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Report 246

*GROUND-WATER DEVELOPMENT
IN THE EL PASO REGION, TEXAS
WITH EMPHASIS ON THE
LOWER EL PASO VALLEY*



TEXAS DEPARTMENT OF WATER RESOURCES

June 1980



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REPORT 246

**GROUND-WATER DEVELOPMENT IN THE EL PASO REGION, TEXAS, WITH
EMPHASIS ON THE RESOURCES OF THE LOWER EL PASO VALLEY**

By

Henry J. Alvarez and A. Wayne Buckner

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Texas Department of Water Resources
under cooperative agreement with the
U.S. Bureau of Reclamation.

June 1980

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GROUND-WATER DEVELOPMENT IN THE EL PASO REGION, TEXAS, WITH EMPHASIS ON THE RESOURCES OF THE LOWER EL PASO VALLEY

INTRODUCTION

Purpose, Scope, and Methods of Investigation

The investigation in the lower El Paso Valley was initiated at the request of the United States Bureau of Reclamation for the purpose of determining the occurrence, availability, dependability, quantity, and quality of ground water in the lower El Paso Valley, and to assist the El Paso County Water Improvement District No. 1 and Hudspeth County Conservation and Reclamation District No. 1 in determining the areas most favorable for future development of ground water for irrigation in the lower El Paso Valley as a means of supplementing annual surface-water diversions from the Rio Grande.

The scope of the investigation was (1) to review, update, and include previous work in the study area, (2) to attempt to delineate areas of potential fresh ground water development, primarily for irrigation, and (3) to publish the results and conclusions of these studies to serve as a guide for (a) making recommendations concerning what future studies and management procedures might be advisable, and (b) developing and obtaining maximum benefits from the available ground-water resources in the lower El Paso Valley.

This investigation was initiated in September 1973 by the technical staff of the El Paso District Office of the then Texas Water Development Board, one of the predecessor agencies of the Texas Department of Water Resources. First, all published and unpublished ground-water information pertaining to all or part of the lower El Paso Valley in El Paso and Hudspeth Counties (see selected references) was reviewed, assimilated, and tabulated with appropriate referencing according to source. This information was then supplemented and updated by new field work which included an inventory of all large-capacity wells used for public supply,

industrial, and irrigation purposes in and adjacent to the lower El Paso Valley. Information from water test holes and oil tests was included. The results of this study were presented in an open-file report which was distributed to participants in the U.S. Bureau of Reclamation's Rio Grande Regional Environmental Project.

An additional inventory of high-capacity wells was initiated by Board personnel in 1975 to provide well data for the upper El Paso Valley (also known as the Mesilla Valley), the Mesilla bolson, and portions of the Hueco bolson that were not included in the lower El Paso Valley report. The present report incorporates the results of both studies and includes much water-level and chemical-quality information obtained subsequent to the completion of the initial report.

Location and Extent

The area of investigation in connection with the original study consisted of the lower El Paso Valley from the Paso del Norte in El Paso County to Quitman Canyon in Hudspeth County. Ground-water data from selected wells in the area adjacent to the lower valley were also included. The area in which the subsequent inventory of high-capacity wells was conducted and whose data are also included in this report consists of: (1) the upper El Paso Valley in El Paso County from Anthony to the Paso del Norte; (2) the Mesilla bolson in El Paso County; and (3) portions of the Hueco bolson in El Paso County not included in the lower valley investigation. The combined upper and lower El Paso Valley is 108 miles long, varies in width from 12 miles near El Paso to 2 miles near Fort Quitman, and contains 69,000 irrigable acres in El Paso County and 18,300 such acres in Hudspeth County.

Climate and Physiography

The climate of the region is typical of an arid to semiarid desert environment with hot days and cool

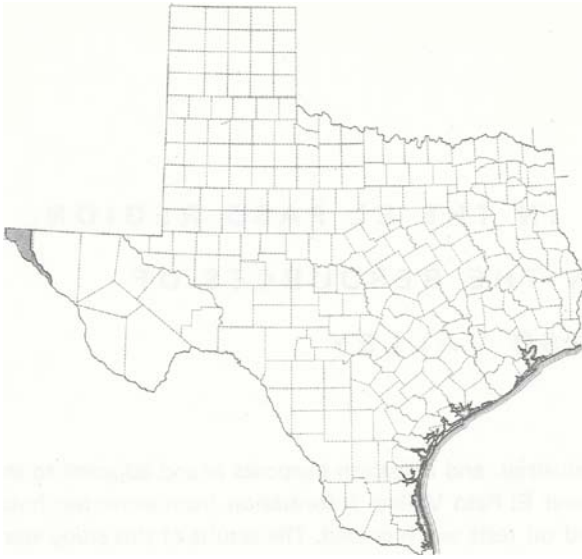


Figure 1.—Location of Study Area

nights in the summer and cool days and cold nights in the winter. In late winter and spring, high winds and blowing sand are common. It is also characterized by small amounts of precipitation and very low humidity; consequently, evaporation is high. Rainfall occurs primarily in July, August, and September and is insufficient for any growth except desert vegetation; therefore, farming in the area is completely dependent upon irrigation water from either surface-water or ground-water supplies. Figure 2 illustrates the average monthly precipitation, evaporation, and temperature at El Paso for the period of record.

Physiographically, the area includes three distinct divisions. They are (1) the rugged and prominent Franklin Mountains which reach 7,172 feet above mean sea level, (2) the bench lands adjacent to the river valley which are locally referred to as "the mesa" and are about 4,000 feet above mean sea level, and (3) the river valley which consists of the recent flood plain of the Rio Grande and is relatively level with a slight gradient of 2.8 feet per mile to the southeast. The river valley varies in elevation from 3,790 feet above mean sea level at the upper end near Anthony to 3,450 feet above mean sea level at the lower end near Fort Quitman in Hudspeth County.

Population and Economy

The study area, with a total population of approximately 400,000 people, includes the city of El Paso and the towns of Canutillo, Clint, Fabens, Socorro,

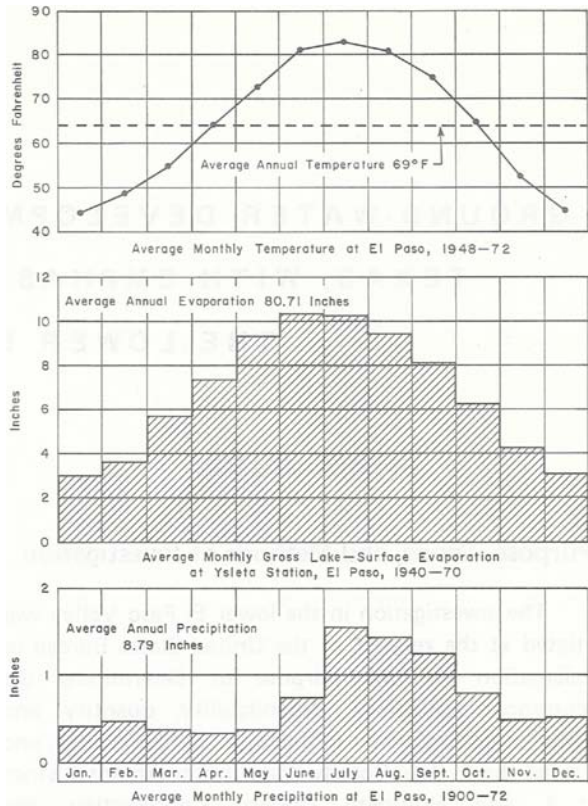


Figure 2.—Average Monthly Temperature, Evaporation, and Precipitation at El Paso (Temperature and precipitation data from National Weather Service; lake-surface evaporation obtained as described in Kane, 1967)

San Elizario, Tornillo, and a portion of Anthony in El Paso County and Acala, Fort Hancock, and McNary in Hudspeth County.

Excluding the industrial area of El Paso, the economy of the El Paso Valley is primarily dependent upon agriculture. The irrigated El Paso Valley is one of the leading agricultural areas in Texas in terms of crops, livestock, poultry, and dairy production.

Acknowledgements

The authors acknowledge the cooperation extended by the property owners of the El Paso Valley. In most cases this cooperation consisted of supplying information concerning their wells. In many instances, it also included access to their property and the use of their wells to monitor water-level changes. Acknowledgement is also extended to the El Paso Water Utilities, El Paso County Water Improvement District No. 1, Hudspeth County Conservation and Reclamation District No. 1, U.S. Bureau of Reclamation, and the U.S. Geological Survey for their assistance and cooperation throughout this investigation.

Personnel

The data herein contained were assembled by the authors with the assistance of Rhys Rees, geologist, and Mike Munoz, engineering technician. Gil Trevizo, an engineering technician, assisted during the data inventory phase of the investigation. These personnel were all assigned to the El Paso District Office of the then Texas Water Development Board. Soil delineation (shown on Figure 16) were done by R.M. Marshall of the Board's staff. This report was prepared under the general direction of C. R. Baskin, director, Data and Engineering Services Division of the Texas Department of Water Resources, and Tommy R.

Knowles, chief of the Data Collection and Evaluation section.

Well-Numbering System

All water wells, oil tests, and test holes included in this report have been assigned a permanent state well number. The well numbers assigned are part of a statewide well-numbering system used 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 3.

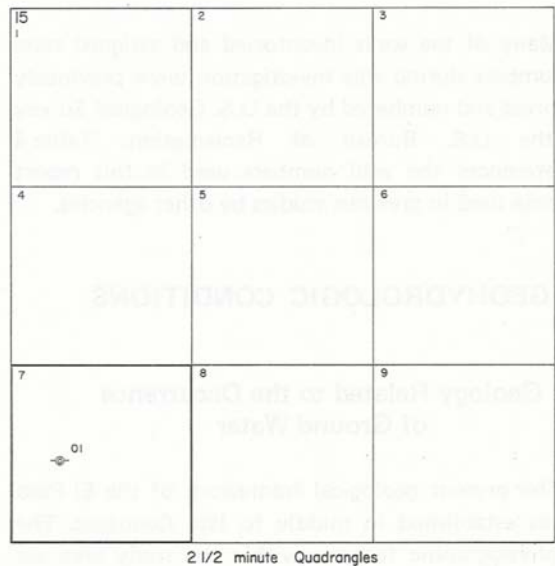
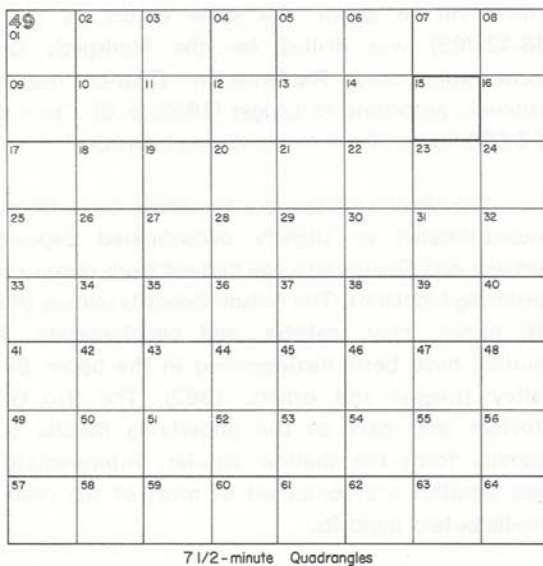
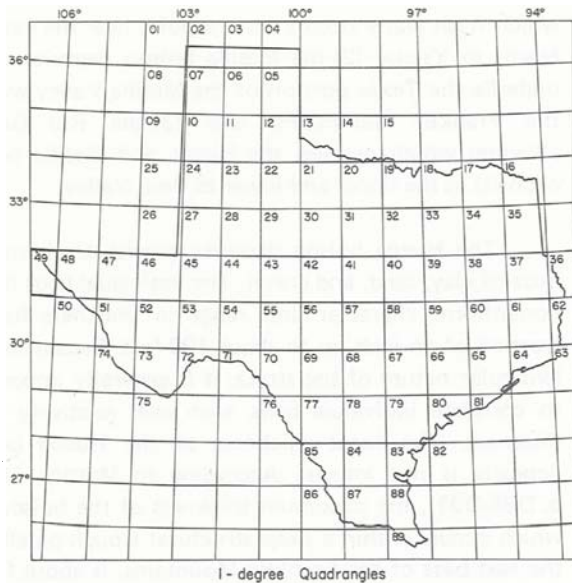


Figure 3.—Well-Numbering System

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. The El Paso Valley is located in El Paso and Hudspeth Counties and includes parts of three 1-degree quadrangles: 48, 49 and 50.

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 quadrangle and 7½-minute quadrangle numbers are shown on Figure 17, the well-location map, in the upper left corner of each 7½-minute quadrangle.

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 also are numbered from left to right starting in the upper left corner. These numbers are not shown separately on the well-location map, but comprise the first of the three digits that appear at the location of each well. The last two digits are the individual well's number within the 2½-minute quadrangle.

Figure 3 illustrates the state well-numbering system and its application using well 49-15-701, located in El Paso County. The two-letter prefix in front of each state well number in various tables of this report designates the county in which the well is located. El Paso County is indicated by the prefix "JL" and Hudspeth County by the prefix "PD".

Many of the wells inventoried and assigned state well numbers during this investigation were previously inventoried and numbered by the U.S. Geological Survey and the U.S. Bureau of Reclamation. Table 4 cross-references the well numbers used in this report with those used in previous studies by other agencies.

GEOHYDROLOGIC CONDITIONS

Geology Related to the Occurrence of Ground Water

The present geological framework of the El Paso area was established in middle to late Cenozoic. The main physiographic features within the study area are the mountains, Mesilla bolson, Hueco bolson, and the El Paso Valley. The mountains or upland areas flanking the

bolsons on the west and east in Texas are outcrops of rocks ranging in age from Precambrian to Tertiary. The mountains flanking the bolsons on the west and southwest in Chihuahua, Mexico are outcrops of Cretaceous rocks. These rocks and those further north and northwest in New Mexico were the source materials for the Tertiary and Quaternary sediments deposited in the bolsons and in the El Paso Valley. During more recent geologic time, the Rio Grande alluvium was deposited in the flood plain of the river. Also during more recent geologic time, in the mesa area of the Hueco bolson, sand dunes have developed on the surface and a zone of caliche has been formed several feet below the surface.

There are three major sources of fresh to slightly saline ground water: (1) the Hueco bolson deposits in which fresh water occurs from a point near the Paso del Norte to Ysleta, (2) the Mesilla bolson deposits which underlie the Texas portion of the Mesilla Valley west of the Franklin Mountains, and (3) the Rio Grande alluvium which overlies the Hueco and Mesilla bolson deposits in the upper and lower El Paso Valley.

The Hueco bolson deposits consist of alternating beds of clay, sand, and gravel. The individual beds have a nonuniform character and range in thickness from a fraction of an inch up to about 100 feet. Because of the lenticular nature of the strata, it is generally impossible to correlate individual beds, even over relatively short distances. The exact thickness of the Hueco bolson deposits is not known. According to Mattick (1967, p. D85-D91), the maximum thickness of the bolson fill, which occurs within a deep structural trough paralleling the east base of the Franklin Mountains, is about 9,000 feet. An oil test 2 miles east of Tornillo encountered bolson fill to about this same depth. A test well (48-42-703) was drilled for the Hudspeth County Conservation and Reclamation District near Fort Hancock, according to Leggat (1962, p. 6), "to a depth of 3,500 feet without encountering bedrock."

The Mesilla bolson is a structural basin filled with unconsolidated or slightly consolidated deposits of Tertiary and Quaternary age derived from erosion of the bordering highlands. The bolson deposits consist of sand, silt, gravel, clay, caliche, and conglomerate. Three aquifers have been distinguished in the upper El Paso Valley (Leggat and others, 1962). The Rio Grande alluvium and part of the underlying Mesilla bolson deposits form the shallow aquifer. Intermediate and deep aquifers are composed of most of the remaining Mesilla bolson deposits.

The Rio Grande alluvium, which overlies the older Hueco and Mesilla bolson deposits within the upper and

lower El Paso Valley, consists of sand, gravel, clay, and silt. The areal extent of the Rio Grande alluvium is illustrated in Figure 17. Like the underlying Hueco and Mesilla bolson deposits, the individual layers and lenses of the various sediments are nonuniform in character and thickness and cannot be correlated from one location to another. According to Davis (1967), "electrical and drillers' logs of municipal and industrial supply wells indicate that the thickness of the alluvium probably is on the order of 200 feet." This depth has been confirmed in two test holes (JL-49-30-207 and JL-49-30-623), drilled in 1974 by the Texas Water Development Board near the Rio Grande in the vicinity of San Elizario, on the basis of cuttings collected during drilling and geophysical logs run on the wells.

The Rio Grande alluvium was derived in part from the erosion and redeposition of the bolson deposits. Because it is difficult to distinguish between these in wells, in the area of alluvium outcrop those sediments more than 200 feet below ground level are classed in this report as bolson deposits and those less than 200 feet deep are considered to be alluvium.

Consolidated rocks in the El Paso Valley include both igneous and sedimentary rocks ranging in age from Precambrian to Tertiary. Small quantities of water have been obtained from bedrock in a few wells. In general, the consolidated rocks are not a source for moderate or large supplies of ground water.

Ground Water—Surface Water Relationship

The principal sources for ground water within the study area are the Hueco and Mesilla bolson deposits and the Rio Grande alluvium deposits. Figure 17 illustrates the areal extent of these deposits within the study area. Because no impermeable geologic stratum of regional extent is known to separate the bolson deposits and river alluvium, they are considered hydrologically connected. Under these conditions, ground water may move from one to the other in response to hydraulic pressure.

According to Leggat (1962, p. 7), ground water occurs under water-table conditions in the mesa portion of the Hueco bolson but as the ground water moves into the city artesian area it passes beneath relatively impermeable sediments and becomes confined under pressure exerted by the higher elevation of the water surface underlying the mesa. The area of artesian conditions in the Hueco bolson, referred to as the city artesian area, is indicated in Figure 6.

Ground water in the Rio Grande alluvium is hydrologically connected to the unlined river and drains

and occurs under water-table conditions with the water table generally about 10 to 12 feet below the surface. During periods of low surface-water inflow, such as in the years 1951-57, the average depth to the water table has increased to about 19 feet. During periods of relatively high surface-water inflow, the depth to the water table is controlled by a network of open surface drains.

Prior to 1951, surface-water supplies were generally adequate to meet the irrigation requirements of the El Paso Valley. However, since 1951 ground water has been used to supplement surface water from the Rio Grande, and during several years since 1951, ground water has supplied virtually all of the irrigation water requirements of the valley and has been the survival factor for its agriculture. It was during this time that most of the irrigation wells were drilled in the El Paso Valley.

Ground-water movement in the Hueco bolson deposits in and adjacent to the city artesian area is predominantly toward centers of water-well development and pumpage. Meyer and Gordon (1972) indicated the same conditions for a larger extent of the bolson deposits in Texas. Sayre and Livingston (1945, Plate 2) verified to a lesser degree the same condition of ground-water movement, and showed that the direction of regional ground-water movement in 1936 in Texas and New Mexico varied from south to southeast, generally toward the Rio Grande and other areas of natural discharge.

The ground-water movement in the Rio Grande alluvium in the lower El Paso Valley generally is toward the southeast and the average gradient is about 3.5 feet per mile (Figures 5, 6, and 7). The rate and direction of ground-water movement are changed during periods of heavy pumpage from the alluvium, and when leakage occurs in the city artesian area. When the alluvial aquifer is full, ground water naturally discharges into the river and numerous drainage canals. In the city artesian area, ground water is moving (leaking) from the alluvium into the Hueco bolson deposits. In some areas in the remaining part of the lower El Paso Valley, ground water in the Hueco bolson deposits is moving into the alluvium. Part of this water then moves through the alluvium and discharges into the river and drains when the alluvial aquifer is full.

Hydraulic Characteristics

The ability of an aquifer to yield and transmit water is indicated by the aquifer's coefficients of storage and transmissibility.

The coefficient of storage is a dimensionless term and is defined as the volume of water released from or taken into storage per unit of surface area of the aquifer per unit change in head. In aquifers under artesian conditions, the coefficient of storage is the result of two elastic effects. These are compression of the aquifer and expansion of the contained water as the head or pressure is reduced during pumping. In aquifers under water-table conditions, the coefficient of storage is the same as the specific yield of the material dewatered during pumping.

The coefficient of transmissibility is defined as the rate at which water will flow in gallons per day through a vertical strip of the aquifer one foot wide and extending through the full saturated thickness under a hydraulic gradient of one foot per foot.

If the coefficients of transmissibility and storage are known, it is possible to predict the amount of drawdown caused by a pumping well at various rates of pumping, various distances from the pumped well, and various time intervals.

A large number of aquifer tests have been conducted in the El Paso area by the U.S. Geological Survey to determine the hydraulic characteristics of the Hueco bolson deposits. These characteristics have been used in the verification phase of the Survey's mathematical ground-water model study of the bolson. Based on the results of aquifer tests and the verification of the model, the Hueco bolson deposits are estimated to have the following hydraulic characteristics (W. R. Meyer, oral commun., 1974):

- (1) Coefficients of storage
 - a. Water-table (mesa) area—0.16 to 0.30 (specific yield)
 - b. City artesian area—0.0004
- (2) Coefficients of transmissibility
 - a. Water-table (mesa) area—10,000 to 280,000 gpd/ft
 - b. City artesian area—50,000 to 120,000 gpd/ft

These results represent the hydraulic characteristics of the bolson deposits only in the area covered by the model study. They do not represent the hydraulic characteristics of the bolson deposits in the southeastern part of the bolson in southeastern El Paso County and southwestern Hudspeth County. No aquifer tests are known to have been conducted in these areas. However,

Leggat (1962, p. 27) in referring to the city's Lower Valley Test Hole 2, well JL-49-39-202, states, "data reported for well AA-34 suggest that the coefficients of transmissibility and storage are low, probably on the order of 25,000 gpd per foot and 0.0003, respectively."

No aquifer tests are known to have been conducted on the Rio Grande alluvium in the El Paso Valley. However, the alluvium's transmissibilities generally should be less than those of the bolson since it is a much thinner aquifer. W. R. Meyer (oral commun., 1974) indicates that an assumed specific yield of 0.20 and an average transmissibility of 30,000 gpd/ft (maximum well yields of approximately 2,000 gallons per minute) were used for the Rio Grande alluvium in the verification phase of the Hueco bolson model study. Previous water-availability evaluations of the alluvium assumed a specific yield of 0.15.

Estimated Ground-Water Recharge and Discharge

Ground water in the Hueco bolson, Mesilla bolson, and Rio Grande alluvium moves from areas of recharge to areas of discharge. This ground-water movement is part of the overall cyclical transfer of the earth's water and water vapor which is known as the hydrologic cycle (Figure 4).

Recharge to the Hueco bolson is principally from precipitation that falls on the Franklin and Organ Mountains and runs down the washes and into gravels near the base of the mountains. The amount of this recharge has been estimated by the U.S. Geological Survey's model study to be as low as 5,600 acre-feet per year (5 million gallons per day). According to Guyton (1971c, p. 6), "recharge to the bolson deposits east of the area influenced by runoff from the mountains would not be more than 3/20ths of an inch per year and probably is somewhat less. This would indicate an annual rate of recharge in this area of somewhat less than eight acre-feet per section."

Discharge of ground water from the Hueco bolson occurs naturally by upward seepage into the overlying Rio Grande alluvium and artificially by pumping wells, most of which are located in the vicinity of El Paso. In 1973, approximately 14,700 acre-feet of ground water was pumped in the lower El Paso Valley from the Hueco bolson for public supply and industrial use. About 13,500 acre-feet of that amount was pumped by the city of El Paso and various industrial wells located in the city artesian area of the bolson. The remaining pumpage of about 1,200 acre-feet occurred in the lower part of the Valley from Horizon Corporation (mesa area) and city

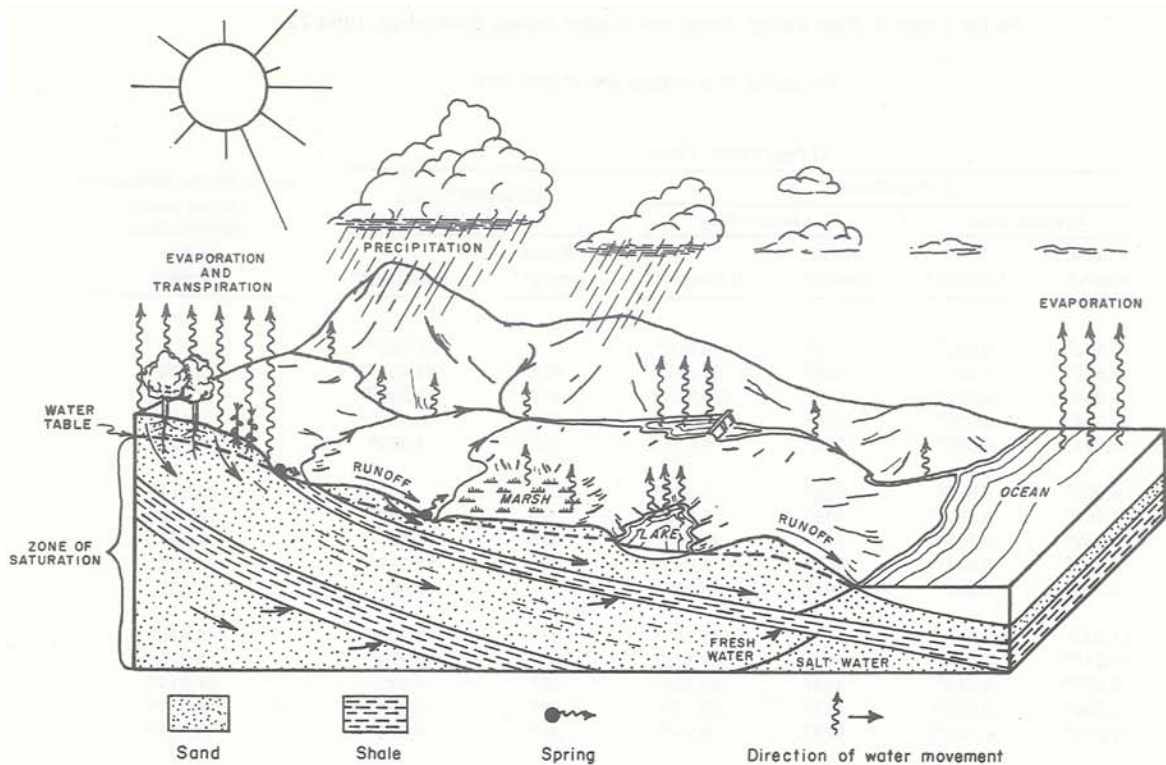


Figure 4.—The Hydrologic Cycle

of Fabens wells. The development of ground water from the Hueco bolson by large-capacity wells in and adjacent to the lower El Paso Valley for the period 1954-73 is summarized in Table 1.

In the upper El Paso Valley, ground water is recharged by area precipitation and precipitation falling on the Franklin Mountains; by seepage from canals, laterals, the Rio Grande, and applied irrigation water; and by ground-water underflow from uplands in New Mexico. The amount of natural recharge to the Mesilla bolson aquifer south of the New Mexico line at Anthony was estimated by Leggat and others (1962) to be about 18,000 acre-feet per year, including areas in the western part of the Valley in New Mexico; of this recharge amount, about 6,000 acre-feet annually was estimated to enter the region by southward underflow in the vicinity of the state line at Anthony.

Discharge of ground water in the upper El Paso Valley occurs by evapotranspiration, drain flow at the lower end of the upper Valley, and pumping wells. The 1969 estimated pumpage within Texas from the Mesilla bolson aquifer and the shallow aquifer was 11,600 and

10,800 acre-feet, respectively (Meyer and Gordon, 1972).

Recharge to the Rio Grande alluvium occurs from (1) infiltration of precipitation which falls directly on the surface and runoff from the adjoining bolson surfaces, (2) upward leakage from the underlying Hueco and Mesilla bolson deposits, (3) leakage from the Rio Grande and numerous canals which traverse the heavily cultivated and irrigated floodplain, and (4) excess irrigation water applied to the cultivated land. Prior to the development of the surface-water irrigation system by the U.S. Bureau of Reclamation in 1916, recharge to the Rio Grande alluvium was relatively small. Water-level data collected prior to this indicate that the water levels were below the bottom of the river. With the advent of surface-water irrigation, the water levels in the Rio Grande alluvium gradually rose due to infiltration of surface-water inflow. By 1918 the necessity for additional drainage in the project area became apparent to keep the land from becoming waterlogged. A system of open drains was constructed, and ultimate development of the Bureau of Reclamation's Rio Grande Project as it now exists was completed about 1925.

Table 1.—Ground-Water Pumpage From the Hueco Bolson and Rio Grande Alluvium In and Adjacent to the Lower El Paso Valley, Texas and Ciudad Juarez, Chihuahua, 1954-73

(Amounts of pumpage are in acre-feet)

Year	El Paso Valley, Texas						Juarez Valley, Chihuahua Ciudad Juarez Artesian Area Public supply*
	El Paso County				Hudspeth County Lower Valley		
	Artesian Area		Lower Valley		Public supply**	Irrigation**	
	Public supply*	Industry*	Public supply*	Irrigation**			
1954	8,433 ^f	4,932 ^a	336 ^f	120,000 ^a	—	26,662 ^m	—
1955	9,528 ^b	5,381 ^b	336 ^b	124,425 ^b	41 ^g	17,454 ^m	13,676 ^b
1956	9,864 ^b	6,389 ^b	336 ^b	125,546 ^b	41 ^g	12,835 ^m	14,348 ^b
1957	9,304 ^b	5,829 ^b	336 ^b	90,797 ^b	41 ^g	10,360 ^l	14,124 ^b
1958	8,631 ^b	6,053 ^b	336 ^b	8,968 ^b	33 ^g	14,352 ^g	15,805 ^b
1959	8,295 ^b	5,829 ^b	336 ^b	5,605 ^b	33 ^g	— ^k	16,814 ^b
1960	7,959 ^c	6,502 ^c	448 ^c	5,605 ^c	38 ^g	15,464 ^j	16,590 ^c
1961	9,752 ^c	6,165 ^c	448 ^c	26,454 ^c	38 ^g	11,467 ^j	17,487 ^c
1962	8,183 ^c	6,614 ^c	448 ^c	5,605 ^c	19 ^g	17,257 ^j	17,038 ^c
1963	9,304 ^d	6,950 ^d	448 ^d	48,425 ^d	—	15,087 ^j	15,357 ^d
1964	11,322 ^d	6,614 ^d	483 ^g	130,142 ^d	37 ^g	13,828 ^g	16,926 ^d
1965	11,210 ^d	6,614 ^d	494 ^g	53,469 ^d	20 ^g	17,894 ^l	16,814 ^d
1966	8,407 ^d	6,614 ^d	409 ^g	23,204 ^d	29 ^g	4,073 ^j	16,814 ^d
1967	5,044 ^d	5,829 ^d	387 ^g	52,124 ^d	29 ^g	8,827 ^j	18,047 ^d
1968	11,210 ^d	6,053 ^d	833 ^g	9,976 ^d	29 ^g	8,530 ^j	19,729 ^d
1969	6,950 ^d	6,389 ^d	1,094 ^g	5,044 ^d	31 ^g	2,317 ^g	22,195 ^d
1970	5,588 ⁱ	6,138 ^g	1,231 ^g	3,000 ^e	32 ^g	5,121 ^j	22,160 ^f
1971	6,167 ⁱ	6,546 ^g	1,409 ^g	24,000 ^e	31 ^g	3,420 ^j	28,691 ^f
1972	9,712 ⁱ	6,078 ^g	1,410 ^g	65,200 ^h	33 ^g	9,305 ^j	29,502 ^f
1973	5,546 ⁱ	7,963 ^g	1,156 ^g	12,954 ^h	33 ^g	10,813 ^j	—

Remarks

- * Hueco bolson aquifer
- ** Rio Grande alluvium aquifer

Pumpage amounts obtained from the following sources:

- ^a Texas Board of Water Engineers Bulletin 5603.
- ^b Texas Water Commission Bulletin 6204.
- ^c Texas Water Commission Bulletin 6514.
- ^d Texas Water Development Board Report 153.
- ^e U.S. Geological Survey water budget study (June 1973).
- ^f U.S. Geological Survey files.
- ^g Texas Department of Water Resources files.
- ^h U.S. Bureau of Reclamation files.
- ⁱ El Paso Water Utilities files.

Irrigation pumpage in Hudspeth County represents the minimum annual total crop consumptive water requirements without including water required for pre-plant or leaching irrigation.

- ^j The total annual ground-water pumpage was obtained by using the total annual crop consumptive water requirements less the estimated total annual surface water applied. The estimated total annual surface water applied was obtained by using the Hudspeth County Conservation and Reclamation District (HCCRD) figures for the total acres irrigated multiplied by 8 inches (.67 foot), their estimate of the amount of surface water applied at each irrigation.
- ^k If the total annual surface water calculated using the above criteria exceeded the total annual crop consumptive water requirements, it was assumed no ground-water pumpage occurred.
- ^l The total annual ground-water pumpage was obtained by using the total annual crop consumptive water requirements less the total annual surface water available for irrigation leaving El Paso County via the Tornillo Canal, Tornillo Drain, and Hudspeth Feeder, after allowing for a 52 percent loss. HCCRD had no record for the total acres irrigated for these years.
- ^m The total annual ground-water pumpage was obtained by calculating the total annual crop consumptive water requirements using the HCCRD's total acres in cultivation multiplied by an overall crop consumptive water requirement of 2.54 acre-feet per acre less the total annual surface water available for irrigation leaving El Paso County via the Tornillo Canal, Tornillo Drain, and Hudspeth Feeder, after allowing for a 52 percent loss.

Approximately 45,000 acres of land is irrigated in the lower El Paso Valley between El Paso and the El Paso-Hudspeth County line, and in a year when a full allotment of surface water is available (3 acre-feet per acre), the amount of water applied that year amounts to about 135,000 acre-feet. The allotment varies from year to year. According to the U.S. Bureau of Reclamation (1973, p. 50), the per-acre allotment has ranged from a low of 4.7 acre-inches in 1956 to a high of 4 acre-feet in 1958. It has been estimated that approximately one-third of the water applied percolates to the water table and is discharged through drains. Meyer and Gordon (1972, p. 27) stated that at times large volumes of water, in addition to the quantity of recoverable water actually in storage in the alluvium, are potentially available from the alluvium even when the aquifer is full. This water, referred to as "potential ground-water recharge," is derived from the infiltration of irrigation water and from seepage losses in the canals and laterals. Meyer and Gordon (1973, p. 34-42) in their water-budget study calculated the surface-water inflow into the valley and estimated the potential ground-water recharge to the alluvium in the lower El Paso Valley for the years 1968 through 1971. They obtained the following results:

Year	Surface-water inflow (acre-feet)	Potential ground-water recharge (acre-feet)
1968	240,800	74,100
1969	308,900	78,600
1970	304,500	89,330
1971	211,800	80,800

Meyer and Gordon concluded (1972, p. 27) that because of the fullness of the aquifer, a large part of the water is rejected and becomes drainflow, but if the water table was lower than the river and drains, this water could be held in storage in the alluvium and could be pumped when needed. However, they cautioned, "total recovery of the drainflow by pumping from the ground-water reservoir, although possible, is not advisable because of the unfavorable salt balance that would result."

In addition, Meyer and Gordon (1973, p. 39) concluded that in 1971 an imbalance in the water budget indicated that at least 20,000 acre-feet was lost by leakage from the Rio Grande alluvium to the artesian portion of the Hueco bolson in the lower El Paso Valley. The leakage was caused by a difference in water levels between the two aquifers as a result of pumpage from the Hueco bolson and was computed by determining a

coefficient of leakage of 0.23 gallons per day per square foot over the area where a 40-foot differential in water levels occurred between the bolson and alluvium. The area of leakage is predominantly in the city artesian area.

Discharge from the Rio Grande alluvium occurs largely by seepage into drainage canals in the valley, by evapotranspiration, and by pumpage. In 1973, approximately 23,800 acre-feet of ground water was pumped from the Rio Grande alluvium for irrigation purposes in the lower El Paso Valley (El Paso and Hudspeth Counties). Public-supply pumpage for 1973 amounted to 33 acre-feet from two wells in Fort Hancock. Ground-water development from the Rio Grande alluvium by large-capacity wells in the lower El Paso Valley in El Paso and Hudspeth Counties for the period 1954-73 is summarized in Table 1.

Fluctuation of Water Levels

Changes in water levels represent changes in the quantity of ground water in storage. When discharge from an aquifer exceeds recharge over a period of time, water levels decline. Conversely, when recharge exceeds discharge, water levels rise. Under natural conditions, discharge from an aquifer is balanced by recharge over a long period of time with small water-level fluctuations representing variations in available recharge.

Water-level observation wells have been maintained in the Hueco bolson for over 35 years. Most of these observation wells are located in the western part of the bolson where development has been greatest. Heavy withdrawal of water from the Hueco bolson in this area has caused water levels in wells to decline. The maximum decline in water levels within the Hueco bolson from 1903 to 1969 is about 60 feet in the Fort Bliss area and about 10 feet near Ysleta (Meyer and Gordon, 1972). Water levels within the Hueco bolson in Hudspeth County and in eastern El Paso County have not declined significantly.

Figure 6 illustrates the piezometric surface of the artesian portion of the Hueco bolson (city artesian area) and the water-table surface for the Rio Grande alluvium from near Ysleta to Fort Quitman for January 1963. Figures 5 and 7 illustrate the water-table surface for the alluvium in November 1956 and January 1973. Figures 9 and 10 show hydrographs of selected wells in the Hueco bolson and the Rio Grande alluvium.

Guyton (1971a, p. 15) states, "Prior to 1916, water levels in the alluvium were below the Rio Grande. They gradually rose as surface water was applied for irrigation, and it became necessary to construct drains.

Water levels now fluctuate with the availability of surface water for irrigation and the seasonal application of the water." When large-scale pumping of ground water occurs, water levels in the alluvium decline. However, when sufficient surface water again becomes available and ground-water pumpage is significantly reduced, water levels recover. Water levels began to decline in 1954, reaching maximum lows in 1956, 1957, and 1958. These water-level declines occurred during the years when surface water was in short supply and the alluvium was heavily pumped to supply irrigation needs. After 1958, water levels began to recover with the decline in ground-water pumpage and concurrent increase in surface-water supply.

The approximate altitude of water levels in the alluvium in the upper Rio Grande Valley in January 1976 is shown in Figure 8. Water-level measurements from all observation wells in the study area are given in Table 6.

Well Construction and Performance

The chief methods for drilling wells in the El Paso area are the cable tool percussion method, the hydraulic rotary method, and the jetting method. All wells must be cased during or immediately after drilling, otherwise the walls of the borehole will cave. Well screens or slotted pipe must be placed opposite the water-bearing sands to permit water to enter the well and to prevent caving. Cemented blank surface casing is used to prevent caving, and in areas where mineralized water exists above the fresh water, the cemented blank surface casing also serves to prevent the mineralized water from entering the screened interval. Types of well screen used in the El Paso region are: (1) torch-slotted casing, which is ordinary well casing in which slots are burned, 1/8 to 1/4 inch wide and at least 6 inches long, (2) mill-slotted casing, in which the slots are cut with a metal saw, (3) wire wrapped screen, (4) slotted brass screen, and (5) shutter screen. Artificial gravel packing is generally employed after the casing and screen are in place. Gravel is placed into the annular space between the well screen and the wall of the borehole. When the gravel is in place the well is developed; that is, it is pumped to maximum capacity and surged to (1) draw in as much of the fine material as possible from the sands, and to (2) remove the drilling mud and mud cake from the borehole.

Municipal and industrial wells completed in the Mesilla and Hueco bolson deposits are generally preceded by the drilling of a test hole to determine the quantity and quality of ground water available. After the test hole is drilled, a borehole geophysical log is run to determine the depth intervals which should be sampled

for determination of water quality. If analyses of the water samples are favorable, a production well is constructed to specifications based on results obtained from the test hole. Municipal and industrial concerns generally employ proper well construction; this includes use of adequate diameter casing, mill slotting or shutter screens, and gravel packing using a properly sorted and sized gravel.

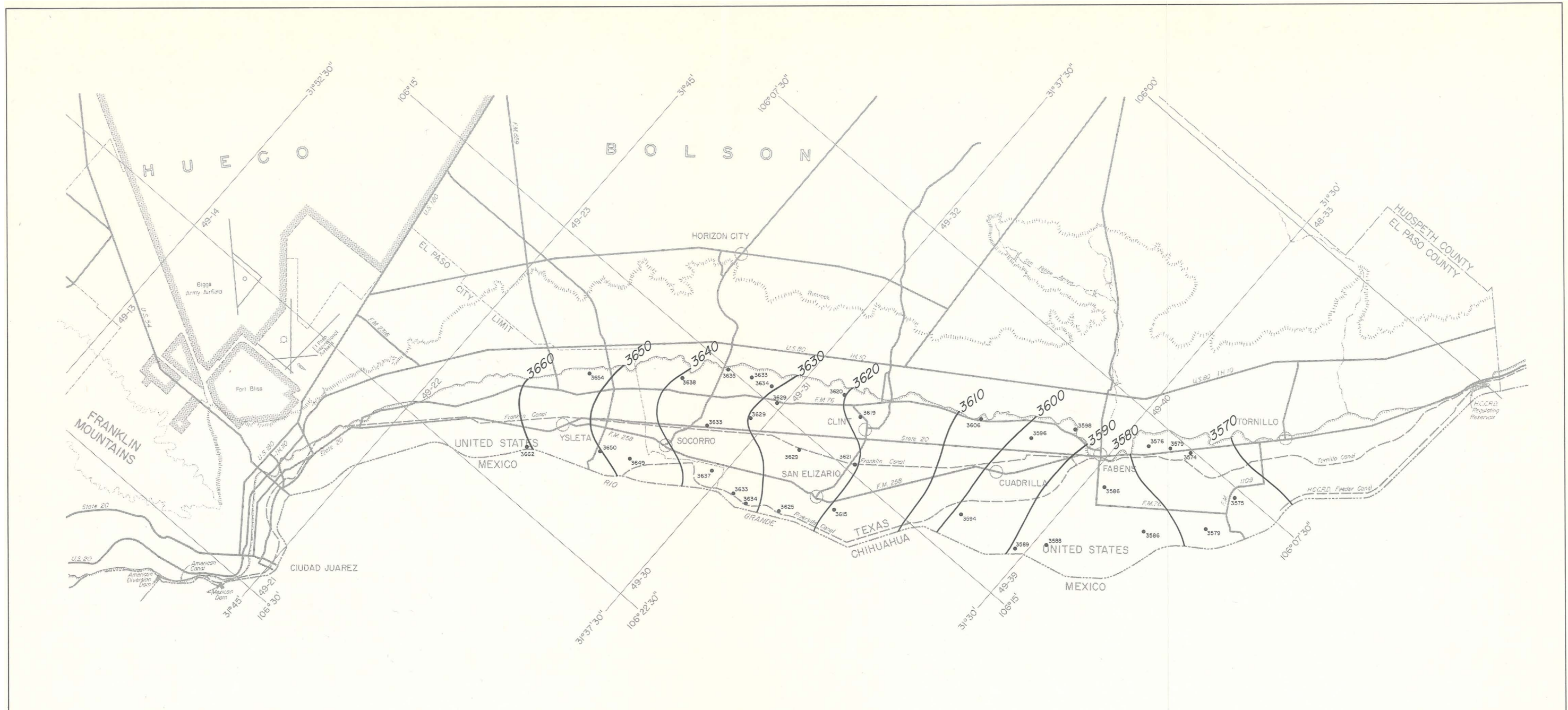
Most irrigation wells completed in the Rio Grande alluvium deposits were drilled in the 1950s. Their construction consisted of setting a torch-slotted, 12 to 18 inch diameter casing in an oversized hole followed by gravel packing with no regard for size or sorting of the gravel. Reported yields of these wells range from 350 to 2,000 gallons per minute. A few recently drilled irrigation wells employ some of the construction techniques used in the municipal and industrial wells.

CHEMICAL QUALITY OF THE GROUND WATER

Source and Significance of Dissolved Mineral Constituents and Properties of Water

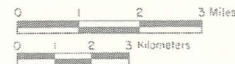
All ground water contains minerals carried in solution, the kind and concentration of which determines its suitability for various uses. Excessively high concentrations of some constituents adversely affect the use of water for drinking, industry, or irrigation.

Several factors determine the concentration and character of mineral constituents in ground water. The most important factors are the source of the water, the mineral composition of the rocks through which the water moves, and the rate of ground-water movement. Precipitation dissolves some gases from the air. That part of the precipitation that percolates to the water table, having dissolved carbon dioxide from the air as well as from the organic matter in the soil, reacts with rock particles, dissolving them and forming new compounds. The dissolved-solids content of water usually increases with depth as illustrated by the various drill-stem tests plotted on the cross section shown in Figure 14. The principal constituents in ground water are calcium, magnesium, sodium, potassium, bicarbonate, sulfate, and chloride. Other constituents include silica, iron, manganese, nitrate, fluoride, and boron. The amount of each constituent listed in a chemical water analysis is generally given in milligrams per liter (mg/l), a unit that expresses the concentration of each constituent by weight. Chemical analyses for ground waters from selected wells in and adjacent to the El Paso Valley are



EXPLANATION

- 3650
Well used for control
- Number indicates altitude of water level in the Rio Grande alluvium
- 3660 —
Water-level contour shows approximate altitude of water level in the Rio Grande alluvium
Interval 10 feet
- Datum is mean sea level
- Approximate edge of the Rio Grande alluvium
(from Van Horn-El Paso geologic atlas sheet)



Base adapted from county highway maps by the Texas Department of Highways and Public Transportation; topographic maps by the U.S. Geological Survey, and maps of the El Paso County and Hudspeth County Water Improvement Districts

Figure 5

Approximate Altitude of Water Levels in the Rio Grande Alluvium,
Lower El Paso Valley, November 1956

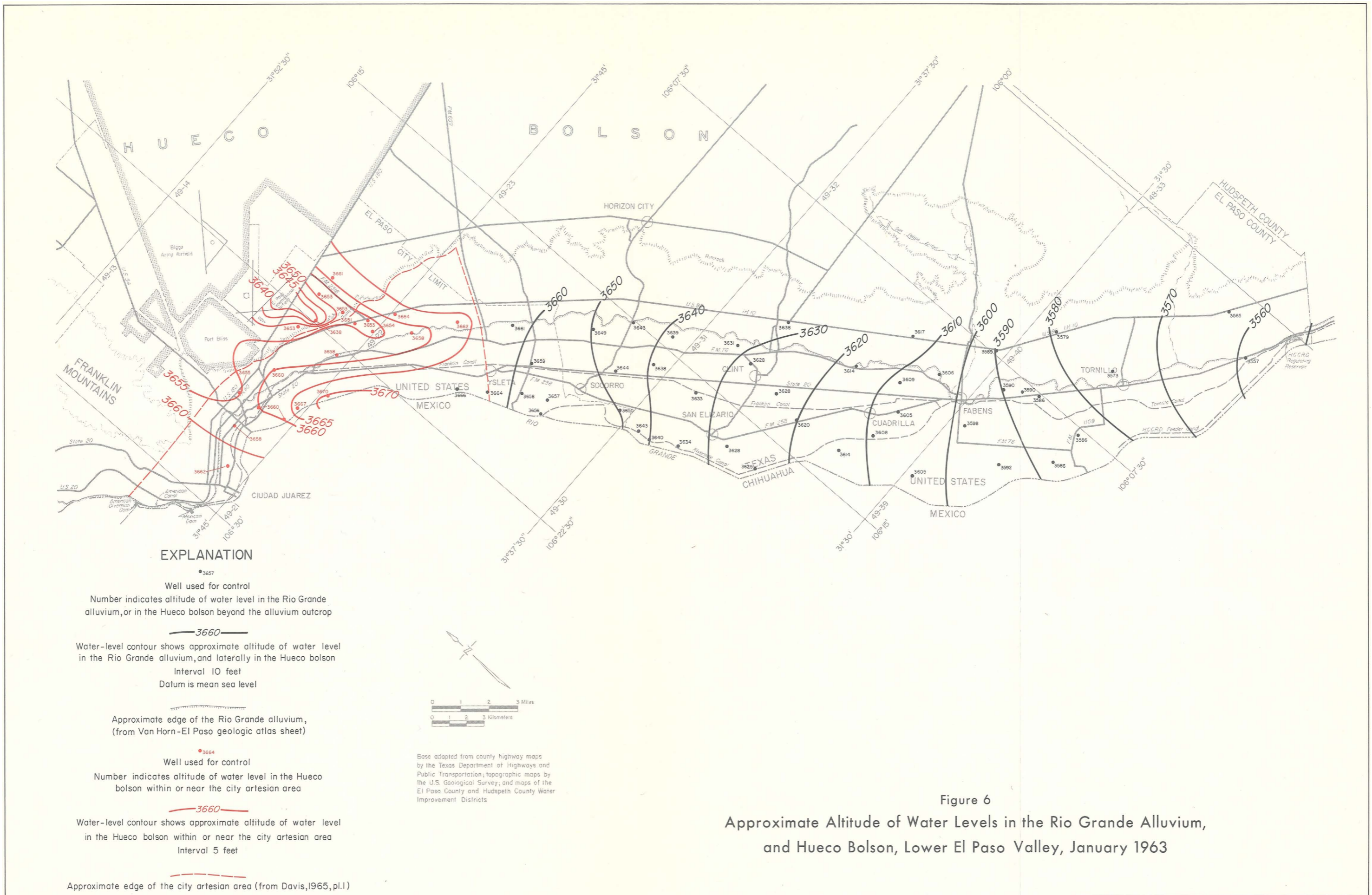


Figure 6
 Approximate Altitude of Water Levels in the Rio Grande Alluvium,
 and Hueco Bolson, Lower El Paso Valley, January 1963

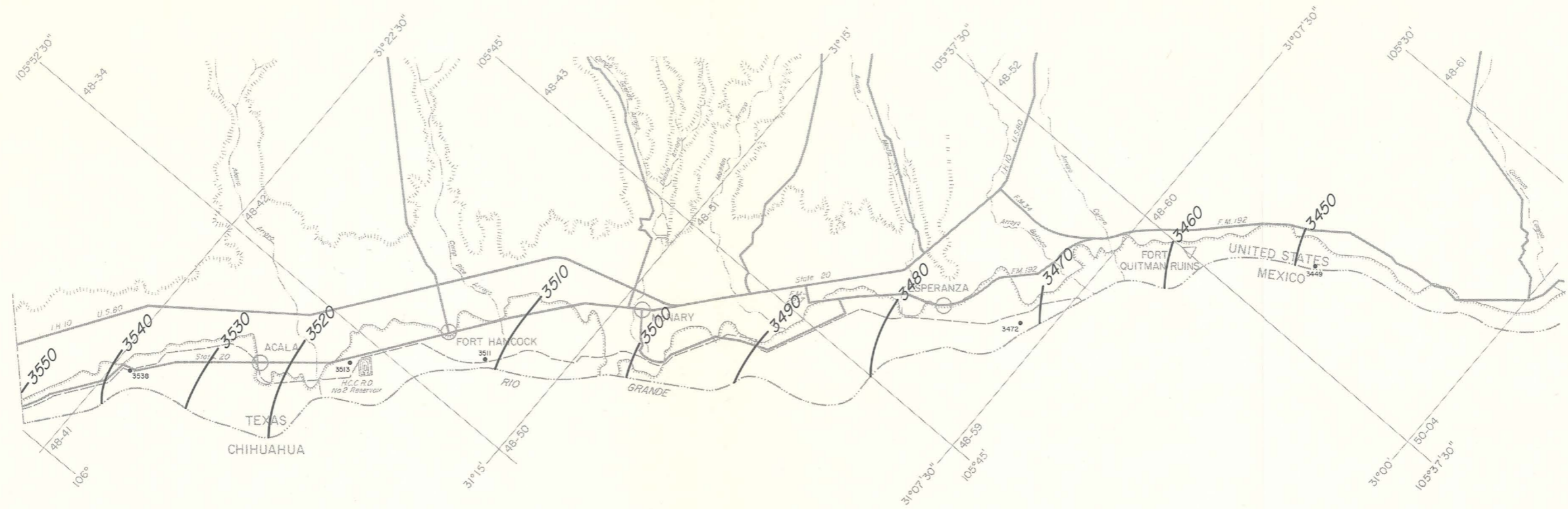
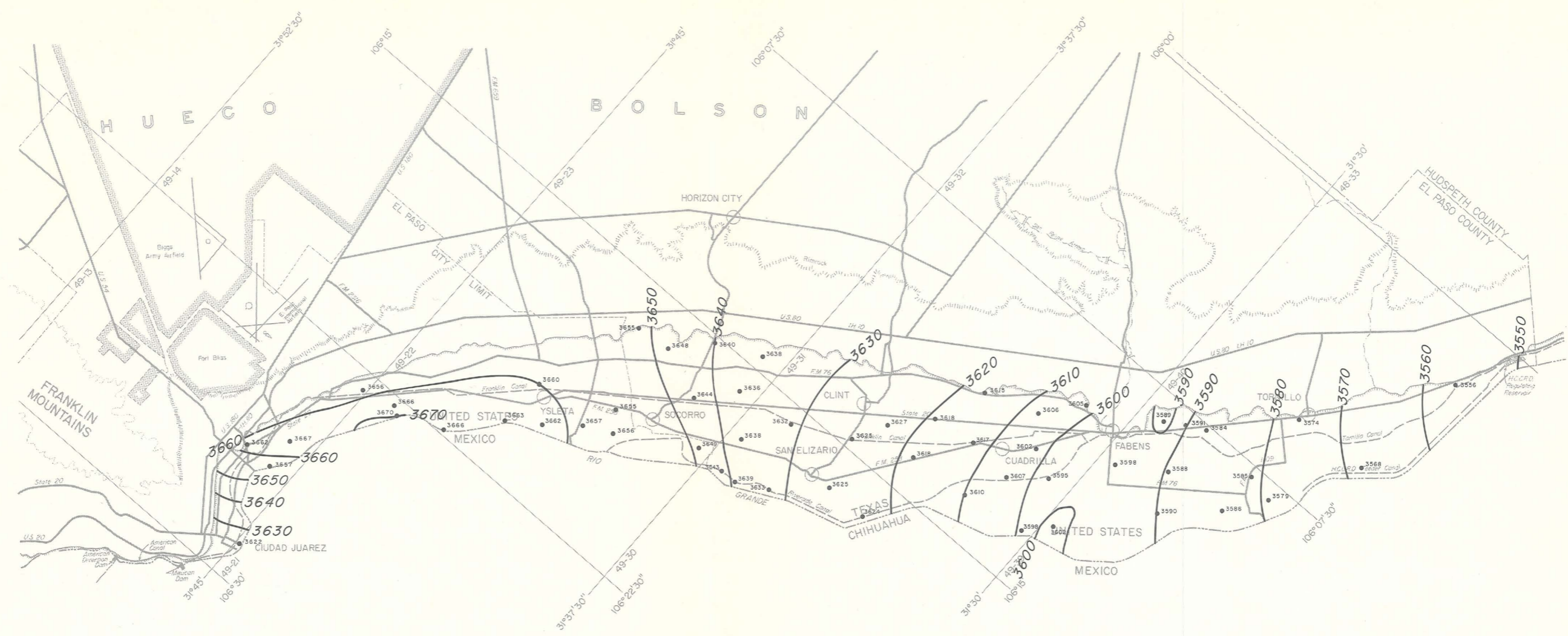
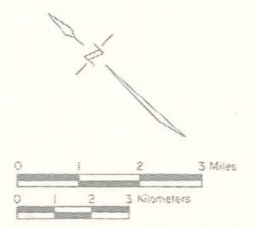


Figure 6 Continued



EXPLANATION

- 3655
Well used for control
- Number indicates altitude of water level in the Rio Grande alluvium
- 3660 —
Water-level contour shows approximate altitude of water level in the Rio Grande alluvium
Interval 10 feet
Datum is mean sea level
- Approximate edge of the Rio Grande alluvium
(from Van Horn-El Paso geologic atlas sheet)



Base adapted from county highway maps by the Texas Department of Highways and Public Transportation, topographic maps by the U.S. Geological Survey, and maps of the El Paso County and Hudspeth County Water Improvement Districts

Figure 7
Approximate Altitude of Water Levels in the Rio Grande Alluvium,
Lower El Paso Valley, January 1973

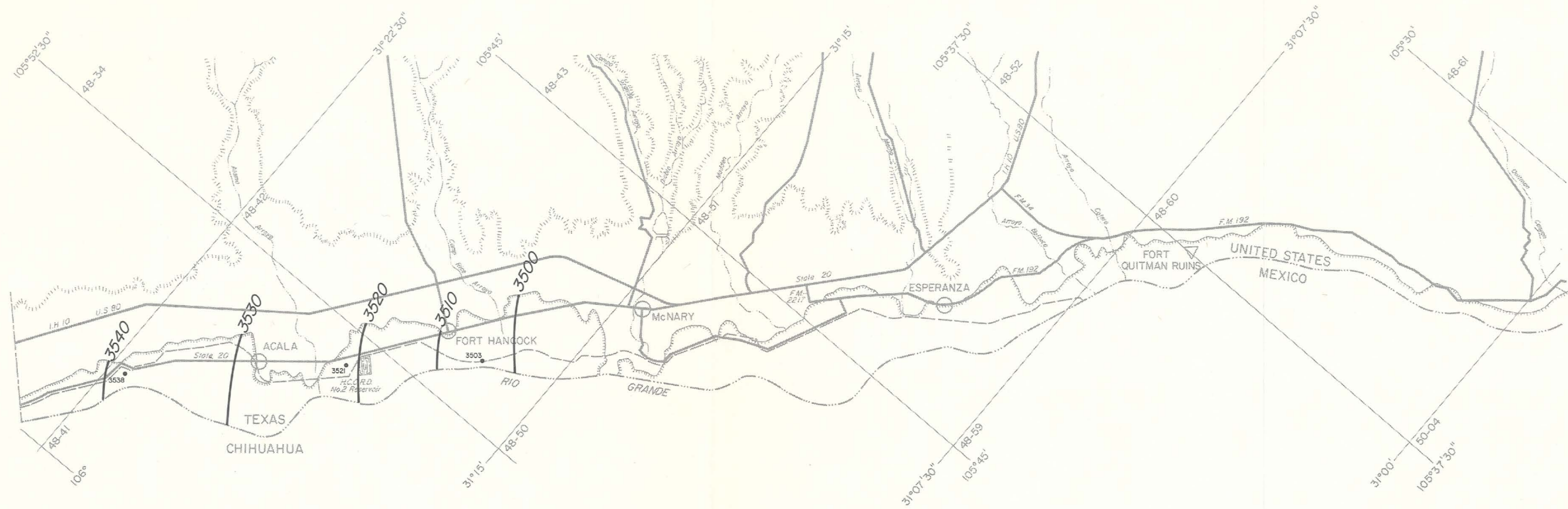


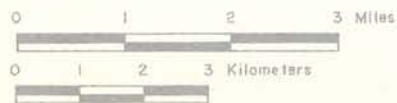
Figure 7 Continued

EXPLANATION

● 3749
Well used for control
Number indicates altitude of water level
in the Rio Grande alluvium

— 3750 —
Water-level contour
Shows approximate altitude of water level
in the Rio Grande alluvium
Interval 5 feet
Datum is mean sea level

~ ~ ~ ~ ~
Approximate edge of the Rio Grande alluvium
(from Van Horn—El Paso geologic atlas sheet)



Base adapted from county highway maps by the Texas Department of Highways and Public Transportation and topographic maps by the U.S. Geological Survey

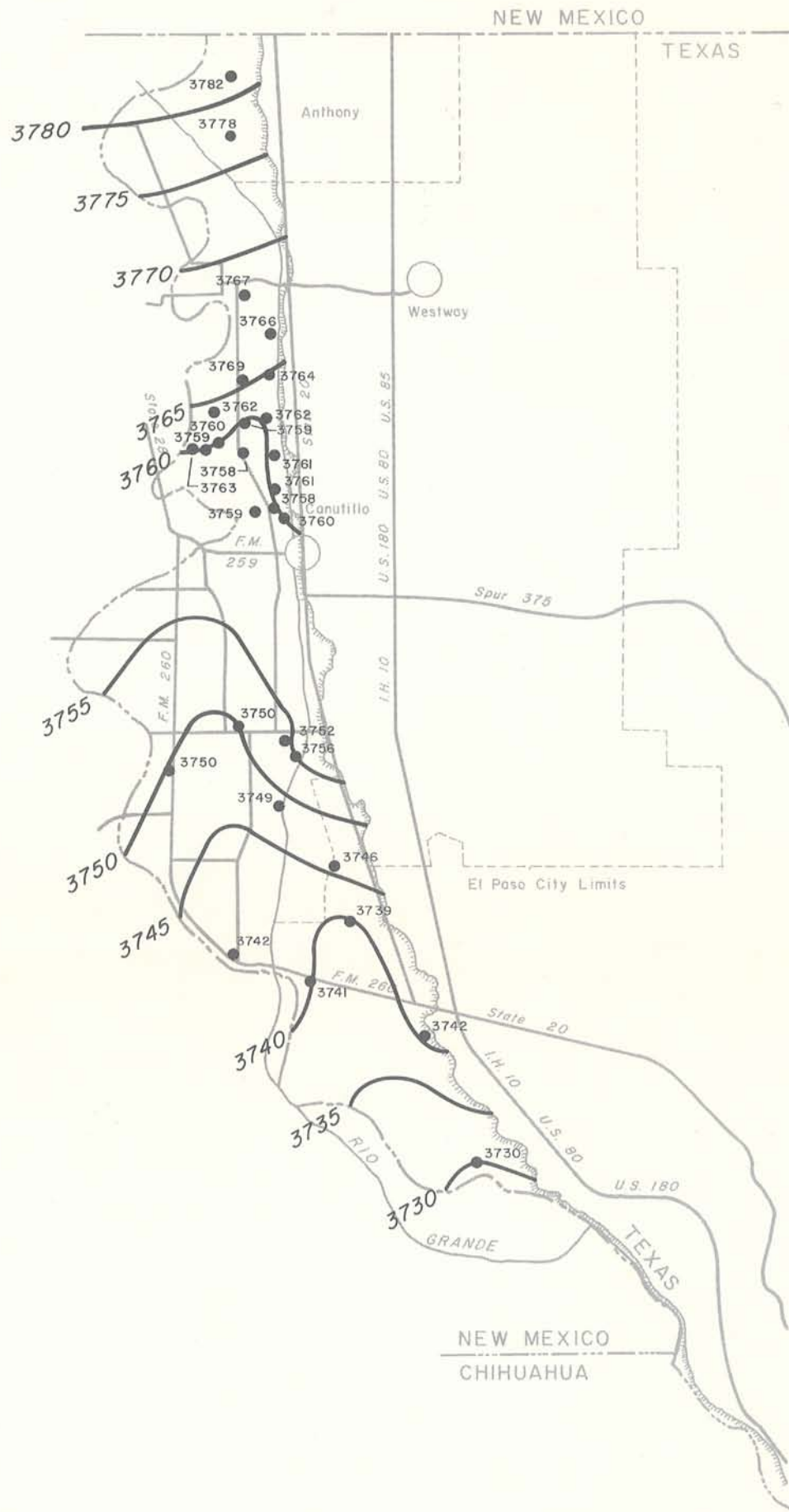


Figure 8
Approximate Altitude of Water Levels in the Rio Grande Alluvium,
Upper El Paso Valley, January 1976

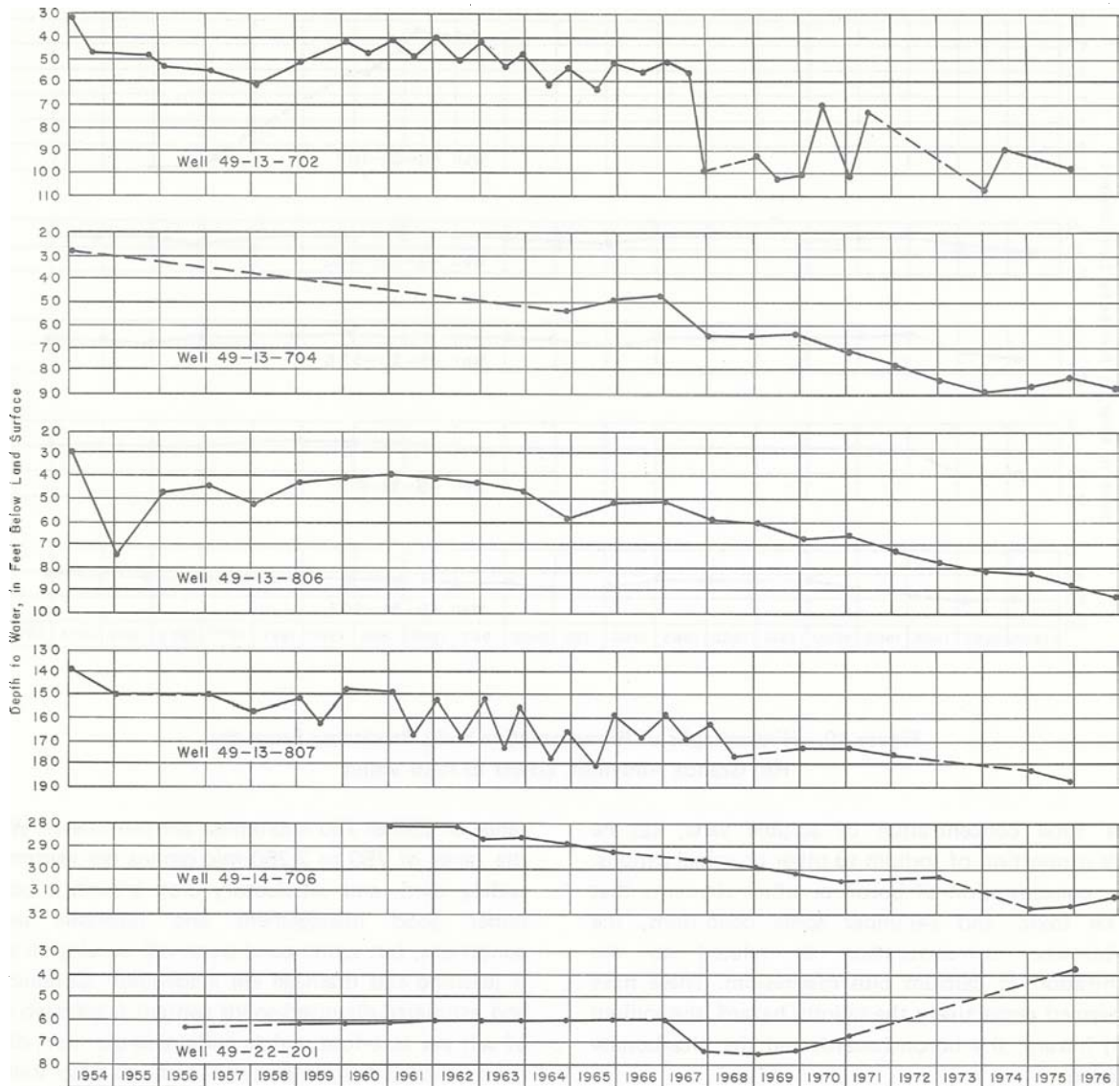


Figure 9.—Hydrographs of Representative Wells Producing From the Hueco Bolson, Lower El Paso Valley

given in Table 7. Table 2 indicates the source, significance, and concentration range of the dissolved mineral constituents, and properties of water from wells producing from the Hueco bolson, Mesilla bolson, and Rio Grande alluvium in and adjacent to the El Paso Valley. Much of the information in Table 2 is taken from U.S. Geological Survey Water-Supply Paper 2157 (1975) and other Water-Supply Papers in the series "Quality of Surface Waters of the United States."

Ground-Water Quality Classification and Standards

The total dissolved-solids content is a major limiting factor in the use of water. The following general

classification of water is based on dissolved solids (Winslow and Kister, 1956, p. 5).

Description	Dissolved-solids content (mg/l)
Fresh	Less than 1,000
Slightly saline	1,000— 3,000
Moderately saline	3,000—10,000
Very saline	10,000—35,000
Brine	More than 35,000

The characteristics of an irrigation water that seem to be most important in determining its quality are

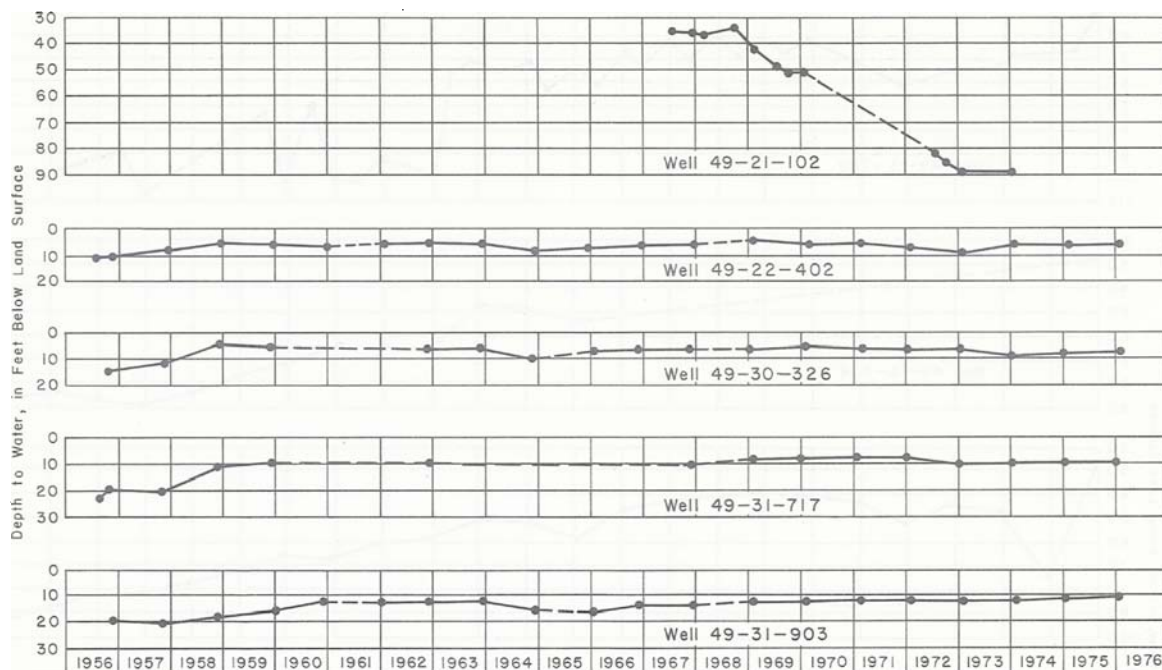


Figure 10.—Hydrographs of Representative Wells Producing From the Rio Grande Alluvium, Lower El Paso Valley

(1) the total concentration of soluble salts, (2) the relative proportion of sodium to other principal cations, (3) the concentration of boron or other elements that may be toxic, and (4) under some conditions, the bicarbonate concentration as related to the concentration of calcium plus magnesium. These have been termed respectively the salinity hazard, the sodium (alkali) hazard, the boron hazard, and the bicarbonate ion hazard.

For purposes of diagnosis and classification, the total concentration of soluble salts (salinity hazard) in irrigation water can be adequately expressed in terms of specific conductance. Specific conductance (conductivity) is the measure of the ability of the ionized inorganic salts in solution to conduct an electrical current, and is usually expressed in terms of micromhos per centimeter at 25°C. Where a specific conductance determination is not part of a water analysis, a rough approximation of its value can be obtained by multiplying the sum of the milliequivalents per liter (me/l) of calcium, magnesium, sodium, and potassium by 100, or by dividing the dissolved-solids concentration in milligrams per liter by a factor ranging from 0.6 to 0.7. In general, water having a specific conductance below 750 micromhos per centimeter is satisfactory for irrigation insofar as salt content is concerned, although salt-sensitive crops may be adversely affected by irrigation water having a specific conductance in the

range of 250 to 750 micromhos per centimeter. Water in the range of 750 to 2,250 micromhos per centimeter is widely used, and satisfactory crop growth is obtained under good management and favorable drainage conditions, but saline conditions will develop in the soil if leaching and drainage are inadequate. Conductivities and estimated dissolved-solids content (expressed as tons of salt per acre-foot and as milligrams per liter) of water from selected irrigation wells in the El Paso Valley are given in Table 8.

In the past, the relative proportion of sodium to other cations (sodium hazard) in irrigation water usually has been expressed simply as the percentage of sodium among the principal cations (expressed in equivalents), or simply the percent sodium. Irrigation waters are divided into three classes, based on the percent sodium. Water with a percent sodium less than 60 is considered excellent to good; water with a percent sodium between 60 and 75 is considered good to injurious; while water with a percent sodium greater than 75 is considered injurious to unsatisfactory.

According to the U.S. Salinity Laboratory Staff (1954), the sodium-adsorption ratio (SAR), used to express the relative activity of sodium ions in exchange reactions with soil, is a better measure of the suitability of water for irrigation with respect to the sodium hazard. The SAR can be computed from the equation shown in Table 2.

Table 2.—Source, Significance, and Concentration Range of Dissolved Mineral Constituents, and Properties of Water From Wells Producing From the Rio Grande Alluvium, Hueco Bolson, and Mesilla Bolson

(Source and significance modified from U.S. Geological Survey series of publications, "Quality of Surface Waters of the United States." Concentration ranges shown in milligrams per liter except specific conductance, pH, percent sodium, sodium-adsorption ratio, and residual sodium carbonate.)

Constituent or property	Source or cause	Significance	Concentration range		
			Rio Grande alluvium	Hueco bolson	Mesilla bolson
Silica (SiO ₂)	Dissolved from practically all rocks and soils, commonly less than 30 mg/l. High concentrations, as much as 100 mg/l, generally occur in highly alkaline waters.	Forms hard scale in pipes and boilers. Inhibits deterioration of zeolite-type water softeners. Not physiologically significant to humans, livestock, or fish, nor is it important in irrigation water.	0.25-70	0-57	6.3-50
Iron (Fe)	Dissolved from practically all rocks and soils. May also be derived from iron pipes, pumps, and other equipment.	On exposure to air, iron in ground water oxidizes to reddish-brown precipitate. More than about 0.3 mg/l stains laundry and utensils reddish-brown. Objectionable for food processing, textile processing, beverages, ice manufacture, brewing, and other processes. U.S. Public Health Service (1962) drinking water standards state that the iron content should not exceed 0.3 mg/l. Larger quantities cause unpleasant taste and favor growth of iron bacteria.	0-7.2	0-188	0-3.1
Calcium (Ca) and magnesium (Mg)	Dissolved from practically all soils and rocks, but especially from limestone, dolomite, and gypsum. Calcium and magnesium are found in large quantities in some brines. Magnesium is present in large quantities in sea water.	Cause most of the hardness and scale-forming properties of water; soap consuming (see hardness). Waters low in calcium and magnesium desired in electroplating, tanning, dyeing, and in textile manufacturing.	4-1,492 and 0-404	4-7,612 and 0-2,180	2.4-152 and 0-80
Sodium (Na) and potassium (K)	Dissolved from practically all rocks and soils. Found also in oilfield brines, sea water, industrial brines, and sewage.	Large amounts, in combination with chloride, give a salty taste. Moderate quantities have little effect on the usefulness of water for most purposes. Sodium salts may cause foaming in steam boilers, and a high sodium content may limit the use of water for irrigation.	100-3,183 and 4-679	63-85,148 and 1.6-1,982	2.5-1,790 and 0.5-28
Bicarbonate (HCO ₃) and carbonate (CO ₃)	Action of carbon dioxide in water on carbonate rocks such as limestone and dolomite.	Bicarbonate and carbonate produce alkalinity. Bicarbonates of calcium and magnesium decompose in steam boilers and hot-water facilities to form scale and release corrosive carbon-dioxide gas. In combination with calcium and magnesium, cause carbonate hardness.	0-618	17-660	52-597

Table 2.—Source, Significance, and Concentration Range of Dissolved Mineral Constituents, and Properties of Water From Wells Producing From the Rio Grande Alluvium, Hueco Bolson, and Mesilla Bolson—Continued

Constituent or property	Source or cause	Significance	Concentration range		
			Rio Grande alluvium	Hueco bolson	Mesilla bolson
Sulfate (SO ₄)	Dissolved from rocks and soils containing gypsum, iron sulfides, and other sulfur compounds. Commonly present in some industrial wastes.	Sulfate in water containing calcium forms hard scale in steam boilers. In large amounts, sulfate in combination with other ions gives bitter taste to water. U.S. Public Health Service (1962) drinking water standards recommend that the sulfate content should not exceed 250 mg/l.	9-4,240	1-5,800	67-2,470
Chloride (Cl)	Dissolved from rocks and soils. Present in sewage and found in large amounts in oil-field brines, sea water, and industrial brines.	In large amounts in combination with sodium, gives salty taste to drinking water. In large quantities, increases the corrosiveness of water. U.S. Public Health Service (1962) drinking water standards recommend that the chloride content should not exceed 250 mg/l.	32-11,400	30-150,560	29-2,120
Fluoride (F)	Dissolved in small to minute quantities from most rocks and soils. Added to many waters by fluoridation of municipal supplies.	Fluoride in drinking water reduces the incidence of tooth decay when the water is consumed during the period of enamel calcification. However, it may cause mottling of the teeth, depending on the concentration of fluoride, the age of the child, amount of drinking water consumed, and susceptibility of the individual (Maier, 1950).	0.03-3.0	0-5.0	0.3-5.6
Nitrate (NO ₃)	Decaying organic matter, sewage, fertilizers, and nitrates in soil.	Concentration much greater than the local average may suggest pollution. U.S. Public Health Service (1962) drinking water standards suggest a limit of 45 mg/l. Waters of high nitrate content have been reported to be the cause of methemoglobinemia (an often fatal disease in infants) and therefore should not be used in infant feeding (Maxcy, 1950, p. 271). Nitrate has been shown to be helpful in reducing inter-crystalline cracking of boiler steel. It encourages growth of algae and other organisms which produce undesirable tastes and odors.	<0.05-73	0-35	0-13
Boron (B)	A minor constituent of rocks and natural waters.	An excessive boron content will make water unsuitable for irrigation. Scofield (1936) indicated that a boron concentration of as much as 1.0 mg/l is permissible for irrigating sensitive crops; as much as 2.0 mg/l for semitolerant crops; and as much as 3.0 mg/l for tolerant crops. Boron tolerances of selected plants are tabulated in the general text.	0.11-0.29	0.05-0.42	.08-.55
Dissolved solids	Chiefly mineral constituents dissolved from rocks and soils.	U.S. Public Health Service (1962) drinking water standards recommend that waters containing more than 500 mg/l dissolved solids not be used if other, less mineralized supplies are available. For many purposes the dissolved-solids content is a major limitation of the use of the water.	263-23,680*	117-246,510*	252-4,542*

See footnote at end of table.

Table 2.—Source, Significance, and Concentration Range of Dissolved Mineral Constituents, and Properties of Water From Wells Producing From the Rio Grande Alluvium, Hueco Bolson, and Mesilla Bolson—Continued

Constituent or property	Source or cause	Significance	Concentration range		
			Rio Grande alluvium	Hueco bolson	Mesilla bolson
Hardness as CaCO ₃	In most waters nearly all the hardness is due to calcium and magnesium. All of the metallic cations other than the alkali metals also cause hardness.	Consumes soap before a lather will form. Deposits soap curd on bathtubs. Hard water forms scale in boilers, water heaters, and pipes. Hardness equivalent to the bicarbonate and carbonate is called carbonate hardness. Any hardness in excess of this is called non-carbonate hardness.	8-14,417	0-28,000	6-708
Percent sodium	Sodium in water.	The relative proportion of sodium to other cations, expressed as a percentage. Although percent sodium is commonly reported in chemical analyses of irrigation waters as an indication of sodium hazard, a possibly better indication is the sodium-adsorption ration, described below.	39-85	34-97	61-97
Sodium-adsorption ratio (SAR)	Sodium in water.	A ratio for soil extracts and irrigation waters used to express the relative activity of sodium ions in exchange reactions with soil (U.S. Salinity Laboratory Staff, 1954, p. 72, 156). Defined by the following equation:	2.5-28.6	0-13	5.3-18
$SAR = \frac{Na^+}{\sqrt{\frac{Ca^{++} + Mg^{++}}{2}}}$					
<p>where Na⁺, Ca⁺⁺, and Mg⁺⁺ represent the concentrations in milliequivalents per liter (me/l) of the respective ions.</p>					
Residual sodium carbonate (RSC)	Sodium and carbonate or bicarbonate in water.	As calcium and magnesium precipitate as carbonates in the soil, the relative proportion of sodium in the water is increased (Eaton, 1950). Defined by the following equation:	0-2.12	0-2.32	0-1.16
$RSC = (CO_3^{--} + HCO_3^-) - (Ca^{++} + Mg^{++}),$					
<p>where CO₃⁻⁻, HCO₃⁻, Ca⁺⁺, and Mg⁺⁺ represent the concentrations in milliequivalents per liter (me/l) of the respective ions.</p>					
Specific conductance (micromhos at 25°C)	Mineral content of the water.	Indicates degree of mineralization. Specific conductance is a measure of the capacity of the water to conduct an electric current. Varies with concentration and degree of ionization of the constituents.	458-11,000	8-60,800	408-7,390

Table 2.—Source, Significance, and Concentration Range of Dissolved Mineral Constituents, and Properties of Water From Wells Producing From the Rio Grande Alluvium, Hueco Bolson, and Mesilla Bolson—Continued

Constituent or property	Source or cause	Significance	Concentration range		
			Rio Grande alluvium	Hueco bolson	Mesilla bolson
Hydrogen ion concentration (pH)	Acids, acid-generating salts, and free carbon dioxide lower the pH. Carbonates, bicarbonates, hydroxides, phosphates, silicates, and borates raise the pH.	A pH of 7.0 indicates neutrality of a solution. Values higher than 7.0 denote increasing alkalinity; values lower than 7.0 indicate increasing acidity. pH is a measure of the activity of the hydrogen ions. Corrosiveness of water generally increases with decreasing pH. However, excessively alkaline waters may also attack metals.	6.1-9.3	6.4-9.7	7.0-9.3

*The concentration range of dissolved solids, shown above in milligrams per liter, may also be expressed as tons of salt per acre-foot of water. For the Rio Grande alluvium ground waters sampled, the tons of salt per acre-foot range from 0.61 to 33.6; for the Hueco bolson the range is from 0.24 to 335; and for the Mesilla bolson the range is from 0.02 to 7.73.

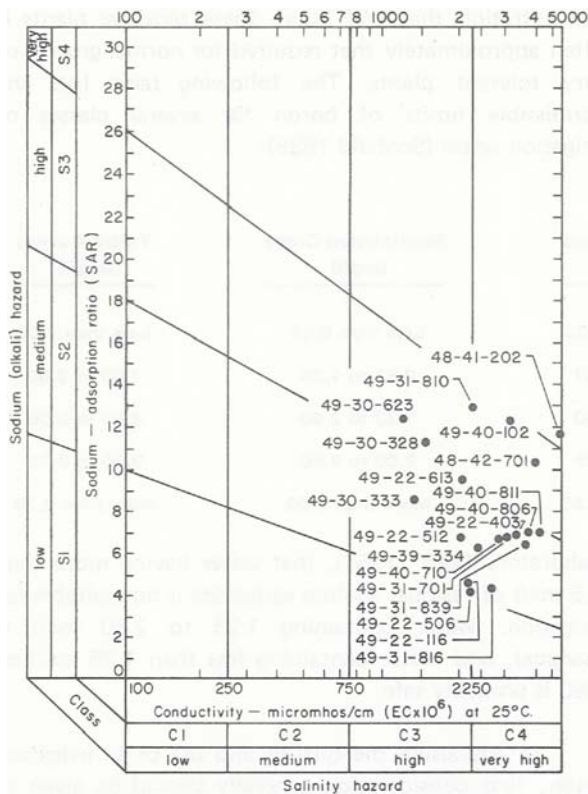


Figure 11.—Classification of Irrigation Water From the Rio Grande Alluvium, Lower El Paso Valley

When the SAR and the specific conductance of a water are known, the classification of the water for irrigation can be determined by graphically plotting these values on the diagram shown in Figure 11. Low-sodium water (S1) can be used for irrigation on almost all soils with little danger of the development of harmful levels of exchangeable sodium. Medium-sodium water (S2) will present an appreciable sodium hazard in certain fine-textured or organic soils having good permeability. High-sodium water (S3) may produce harmful levels of exchangeable sodium in most soils and will require special soil management, such as good drainage and leaching and additional organic matter. Very high-sodium water (S4) is generally unsatisfactory for irrigation unless special action is taken, such as addition of gypsum to the soil.

Low-salinity water (C1) can be used for irrigation of most crops on most soils with little likelihood that soil salinity will develop. Medium-salinity water (C2) can be used if a moderate amount of leaching occurs. High-salinity water (C3) cannot be used on soils of restricted drainage. Very high-salinity water (C4) is not suitable for irrigation under ordinary conditions. It can

be used only on very salt-tolerant crops and then only if special practices are followed, including a high degree of leaching.

The SAR and specific conductance of ground water produced from selected irrigation wells completed in the Rio Grande alluvium in the lower El Paso Valley are plotted on Figure 11. Most of the plots fall within the medium to high sodium hazard and high to very high salinity hazard range, which suggests that the selection of crops that have high salt tolerance, and a high degree of leaching, should be practiced.

Relative salinity tolerances of various crops as determined by the U.S. Salinity Laboratory staff are given in the following table:

HIGH SALT TOLERANCE		LOW SALT TOLERANCE	
Fruit Crops	Vegetable Crops (Cont'd.)	Field Crops (Cont'd.)	
Date palm	Cabbage Bell pepper Cauliflower Lettuce Sweet corn	Sorghum (grain) Corn (field) Flax Sunflower Castorbeans	
Vegetable Crops	Potatoes (White Rose)		
Garden beets Kale Asparagus Spinach	Carrot Onion Peas Squash Cucumber		
Forage Crops	Forage Crops	Fruit Crops	
Alkali sacaton Saltgrass Nuttall alkaligrass Bermuda grass Rhodes grass Canada wildrye Western wheatgrass Barley (hay) Birdsfoot trefoil	White sweet clover Yellow sweet clover Perennial ryegrass Mountain brome Strawberry clover Dallis grass Sudan grass Hubam clover Alfalfa (California common)	Pear Apple Orange Grapefruit Prune Plum Almond Apricot Peach Strawberry Lemon Avocado	
Field Crops	Tall fescue Rye (hay) Wheat (hay) Oats (hay) Orchardgrass Blue grama Meadow fescue Reed canary Big trefoil Smooth brome	Vegetable Crops	
Barley (grain) Sugar beet Rape Cotton		Radish Celery Green beans	
MEDIUM SALT TOLERANCE	Tall meadow oatgrass Cicer milkvetch Sourclover Sickle milkvetch	Forage Crops	
Fruit Crops	Field Crops	White Dutch clover Meadow foxtail Alsike clover Red clover Ladino clover Burnet	
Pomegranate Fig Olive Grape Cantaloupe	Rye (grain) Wheat (grain) Oats (grain) Rice	Field Crops	
Vegetable Crops		Field beans	
Tomato Broccoli			

Boron is essential to the normal growth of all plants, but the concentration required is very small and if exceeded may cause injury. A deficiency of boron produces striking symptoms in many plant species. Boron is very toxic to certain plant species and the

concentration that will injure these sensitive plants is often approximately that required for normal growth of very tolerant plants. The following table lists the permissible limits of boron for several classes of irrigation water (Scofield 1936):

Rating	Classes of irrigation water		Sensitive crops (mg/l)	Semitolerant Crops (mg/l)	Tolerant crops (mg/l)
		Grade			
1	Excellent	.....	Less than 0.33	Less than 0.67	Less than 1.00
2	Good	.....	0.33 to .67	0.67 to 1.33	1.00 to 2.00
3	Permissible	.....	.67 to 1.00	1.33 to 2.00	2.00 to 3.00
4	Doubtful	.....	1.00 to 1.25	2.00 to 2.50	3.00 to 3.75
5	Unsuitable	.....	More than 1.25	More than 2.50	More than 3.75

The following table lists the relative tolerance of selected crop plants to boron (U.S. Salinity Laboratory staff, 1954). In each group the plants first named are considered as being more sensitive and the last named more tolerant.

Sensitive	Semitolerant	Tolerant
Lemon	Lima bean	Carrot
Grapefruit	Sweet potato	Lettuce
Avocado	Bell pepper	Cabbage
Orange	Pumpkin	Turnip
Thornless blackberry	Zinnia	Onion
Apricot	Oat	Broadbean
Peach	Milo	Gladiolus
Cherry	Corn	Alfalfa
Persimmon	Wheat	Garden beet
Kadota fig	Barley	Mangel
Grape (Sultanina and Malaga)	Olive	Sugar beet
Apple	Ragged Robin	Date palm
Pear	rose	(<i>Phoenix dactylifera</i>)
Plum	Field pea	Palm (<i>P. canariensis</i>)
American elm	Radish	Asparagus
Navy bean	Sweetpea	Athel (<i>Tamarix aphylla</i>)
Jerusalem artichoke	Tomato	
Persian (English) walnut	Pima cotton	
Black walnut	Acala cotton	
Pecan	Potato	
	Sunflower	
	(native)	

In water having high concentrations of bicarbonate ion, there is a tendency for calcium and magnesium to precipitate as carbonates as the soil solution becomes more concentrated. This reaction does not go to completion under ordinary circumstances, but insofar as it does proceed, there is a reduction in the concentrations of calcium and magnesium and the relative proportion of sodium is increased. As the calcium and magnesium precipitate as carbonates, any residual carbonate or bicarbonate is left in solution as sodium carbonate. On the basis of limited data and using the "residual sodium carbonate" (RSC) concept of Eaton (1950), it has been concluded by the U.S. Salinity

Laboratory Staff (1954), that water having more than 2.5 me/l of residual sodium carbonate is not suitable for irrigation. Water containing 1.25 to 2.50 me/l is marginal, and water containing less than 1.25 me/l of RSC is probably safe.

In appraising the quality and use of an irrigation water, first consideration generally should be given to salinity and sodium hazards (Figure 11). Then consideration should be given to the boron and bicarbonate ion content, either of which may change the initial quality rating. The use of water of any quality must take into account such factors as land and crop management practices and soil drainage.

The suitability of a water for public supply and domestic use can be judged by standards that have been established by the U.S. Public Health Service (1962) for drinking water used on carriers subject to Public Health Service regulations. These standards include the following upper limits: iron, 0.3 mg/l; manganese, 0.05 mg/l; chloride, 250 mg/l; sulfate, 250 mg/l; and dissolved solids, 500 mg/l. Dissolved-solids content may be up to 1,000 mg/l if less mineralized water is not available.

The 1962 standards are used in many instances in evaluating the suitability of public water supplies. In some areas, people drink water containing substantially higher concentrations than the suggested limits for long periods of time without suffering ill effects. However, water used for drinking generally contains less than 2,000 mg/l of dissolved solids where this quality of water is available.

Water in which the chloride content exceeds 250 mg/l may have a salty taste, and water in which magnesium exceeds 125 mg/l and sulfate exceeds 250 mg/l may cause a laxative effect. The U.S. Public Health Service 1962 drinking-water standards suggest a limit of

45 mg/l of nitrate content. Waters of high nitrate content have been reported to be a possible cause of methemoglobinemia (Maxcy, 1950). The presence of nitrate may indicate pollution.

The maximum fluoride level allowed in drinking water depends on climatic conditions because the amount of water consumed is influenced by air temperature (Galagan and Lamson, 1953). The U.S. Public Health Service 1962 recommendations on drinking-water standards as to fluoride content limits and air temperature are listed below.

Annual average of maximum daily air temperatures ¹	Recommended control limits—Fluoride concentrations in mg/l		
	Lower	Optimum	Upper
50.0–53.7	0.9	1.2	1.7
53.8–58.3	.8	1.1	1.5
58.4–63.8	.8	1.0	1.3
63.9–70.6	.7	.9	1.2
70.7–79.2	.7	.8	1.0
79.3–90.5	.6	.7	.8

¹ Based on temperature data obtained for a minimum of 5 years.

Fluoride at optimum concentration (table above) may prevent dental caries, but fluoride content above the recommended upper limit may produce mottled enamel.

Some livestock have been known to survive on water containing as much as 10,000 mg/l of dissolved solids (Smith and others, 1942, p. 15). However, water of considerably better quality is necessary for maximum livestock growth and development.

The tolerances in chemical quality of water for industrial use differ widely for different industries and different processes (Table 3). In general, water that meets U.S. Public Health Service standards for drinking water is suitable for most industrial uses.

Hardness of water is an important consideration in domestic, municipal, and industrial supplies. It is expressed in milligrams per liter as calcium carbonate. Water having a hardness of up to 60 mg/l is rated soft; 61 to 120 mg/l, moderately hard; 121 to 180 mg/l, hard; and more than 180 mg/l, very hard. Hardness is caused almost entirely by calcium and magnesium. Hardness increases soap consumption and increases encrustation in boilers, pipes, and coolers (evaporation pads). Two methods commonly are used to soften large quantities of water. One, the lime-soda or lime process, not only softens but reduces the mineralization of the water. The

other, the zeolite process, involves the exchange of calcium and magnesium in the water for sodium in the zeolite.

Silica forms hard scale in boilers. The scale-forming process increases as the pressure in the boiler increases.

Oxidation of dissolved iron and manganese in water forms a precipitate that stains laundered clothes and plumbing fixtures. The staining properties of water containing these minerals are especially detrimental in some manufacturing processes. In household use, water containing more than 0.3 mg/l of iron or 0.05 mg/l of manganese may cause staining.

Distribution of Ground-Water Quality in the Rio Grande Alluvium

Figures 12 and 13 portray the chemical quality situation in the Rio Grande alluvium in the lower El Paso Valley with respect to dissolved-solids content. The areas delineated in these maps are based on specific conductance data collected by the U.S. Bureau of Reclamation (Table 8) supplemented by chemical analyses from other sources (Table 7), and represent water-quality data collected over the period 1964-74.

The first map, Figure 12, is based on the quality of water produced by wells that do not exceed 100 feet in depth. The second map, Figure 13, is prepared from chemical water-quality data for wells that were drilled beyond 100 feet but not more than 200 feet in depth. Most of the alluvium wells are screened from the water table to the bottom of the well, and the data used to construct the maps represent a composite of the quality of water in all the sands screened. Since few wells penetrate the complete thickness of the alluvium, the water quality in the basal portion of the alluvium is not necessarily represented.

Both maps show that the better water (less than 2,000 mg/l dissolved solids) tends to occur near the river. This is especially true of the shallow ground water as shown on Figure 12. The deeper water in the alluvium (Figure 13) appears to have been influenced by upward leakage of better quality water from the artesian portion of the Hueco bolson aquifer north of Ysleta. Figures 12 and 13 suggest an influx of fresher water near Fabens which is probably a result of recharge from San Felipe Arroyo.

Both maps show areas of bad water adjacent to areas of better water. This could be the result of (1) a localized buildup in salt content caused by the recycling

Table 3.--Water-Quality Tolerances for Industrial Applications ^{1/}
(Allowable limits in milligrams per liter except as indicated)

Industry	Turbidity	Color	Color +O ₂ Consumed	Dissolved oxygen (ml/l)	Odor	Hardness	Alkalinity (as CaCO ₃)	pH	Total solids	Ca	Fe	Mn	Fe + Mn	Al ₂ O ₃	SiO ₂	Cu	F	CO ₃	HCO ₃	OH	CaSO ₄	Na ₂ SO ₄ to Na ₂ SO ₃ ratio	General ^{2/}
Air conditioning ^{3/}	--	--	--	--	--	--	--	--	--	--	0.5	0.5	0.5	--	--	--	--	--	--	--	--	--	A, B
Baking	10	10	--	--	--	(4)	--	--	--	--	.2	.2	.2	--	--	--	--	--	--	--	--	--	C
Boiler feed:																							
0-150 psi	20	80	100	2	--	75	--	8.0+	3,000-1,000	--	--	--	--	5	40	--	--	200	50	50	--	1 to 1	--
150-250 psi	10	40	50	.2	--	40	--	8.5+	2,500-500	--	--	--	--	.5	20	--	--	100	30	40	--	2 to 1	--
250 psi and up	5	5	10	0	--	8	--	9.0+	1,500-100	--	--	--	--	.05	5	--	--	40	5	30	--	3 to 1	--
Brewing: ^{5/}																							
Light	10	--	--	--	Low	--	75	6.5-7.0	500	100-200	.1	.1	.1	--	--	--	1	--	--	--	100-200	--	C, D
Dark	10	--	--	--	Low	--	150	7.0-	1,000	200-500	.1	.1	.1	--	--	--	1	--	--	--	200-500	--	C, D
Canning:																							
Legumes	10	--	--	--	Low	25-75	--	--	--	--	.2	.2	.2	--	--	--	--	--	--	--	--	--	C
General	10	--	--	--	Low	--	--	--	--	--	.2	.2	.2	--	--	--	1	--	--	--	--	--	C
Carbonated beverages ^{6/}	.2	10	10	--	0	250	50	--	850	--	.2	.2	.3	--	--	--	.2	--	--	--	--	--	C
Confectionary	--	--	--	--	Low	--	--	(7)	100	--	.2	.2	.2	--	--	--	--	--	--	--	--	--	--
Cooling ^{7/}	50	--	--	--	--	50	--	--	--	--	.5	.5	.5	--	--	--	--	--	--	--	--	--	A, B
Food, general	10	--	--	--	Low	--	--	--	--	--	.2	.2	.2	--	--	--	--	--	--	--	--	--	C
Ice (raw water) ^{8/}	1-5	5	--	--	--	--	30-50	--	300	--	.2	.2	.2	--	10	--	--	--	--	--	--	--	C
Laundrying	--	--	--	--	--	50	--	--	--	--	.2	.2	.2	--	--	--	--	--	--	--	--	--	--
Plastics, clear undercolored	2	2	--	--	--	--	--	--	200	--	.02	.02	.02	--	--	--	--	--	--	--	--	--	--
Paper and pulp: ^{10/}																							
Groundwood	50	20	--	--	--	180	--	--	--	--	1.0	.5	1.0	--	--	--	--	--	--	--	--	--	A
Kraft pulp	25	15	--	--	--	100	--	--	300	--	.2	.1	.2	--	--	--	--	--	--	--	--	--	--
Soda and sulfite	15	10	--	--	--	100	--	--	200	--	.1	.05	.1	--	--	--	--	--	--	--	--	--	--
Light paper, HL-grade	5	5	--	--	--	50	--	--	200	--	.1	.05	.1	--	--	--	--	--	--	--	--	--	B
Rayon (viscose) pulp:																							
Production	5	5	--	--	--	8	50	--	100	--	.05	.03	.05	<8.0	< 25	<5	--	--	--	--	--	--	--
Manufacture	.3	--	--	--	--	55	--	7.8-8.3	--	--	.0	.0	.0	--	--	--	--	--	--	--	--	--	--
Tanning ^{11/}	20	10-100	--	--	--	50-135	135	8.0	--	--	.2	.2	.2	--	--	--	--	--	--	--	--	--	--
Textiles:																							
General	5	20	--	--	--	20	--	--	--	--	.25	.25	--	--	--	--	--	--	--	--	--	--	--
Dyeing ^{12/}	5	5-20	--	--	--	20	--	--	--	--	.25	.25	.25	--	--	--	--	--	--	--	--	--	--
Wool scouring ^{13/}	--	70	--	--	--	20	--	--	--	--	1.0	1.0	1.0	--	--	--	--	--	--	--	--	--	--
Cotton bandage ^{13/}	5	5	--	--	Low	20	--	--	--	--	.2	.2	.2	--	--	--	--	--	--	--	--	--	--

^{1/} From American Water Works Association, 1950.

^{2/} A-No corrosiveness; B-No slime formation; C-Conformance to Federal drinking water standards necessary; D-NaCl, 275 mg/l.

^{3/} Waters with algae and hydrogen sulfide odors are most unsuitable for air conditioning.

^{4/} Some hardness desirable.

^{5/} Water for distilling must meet the same general requirements as for brewing (gin and spirits mashing water of light-beer quality; whiskey mashing water of dark-beer quality).

^{6/} Clear, odorless, sterile water for syrup and carbonization. Water consistent in character. Most high quality filtered municipal water not satisfactory for beverages.

^{7/} Hard candy requires pH of 7.0 or greater, as low value favors inversion of sucrose, causing sticky product.

^{8/} Control of corrosiveness is necessary as is also control of organisms, such as sulfur and iron bacteria, which tend to form slimes.

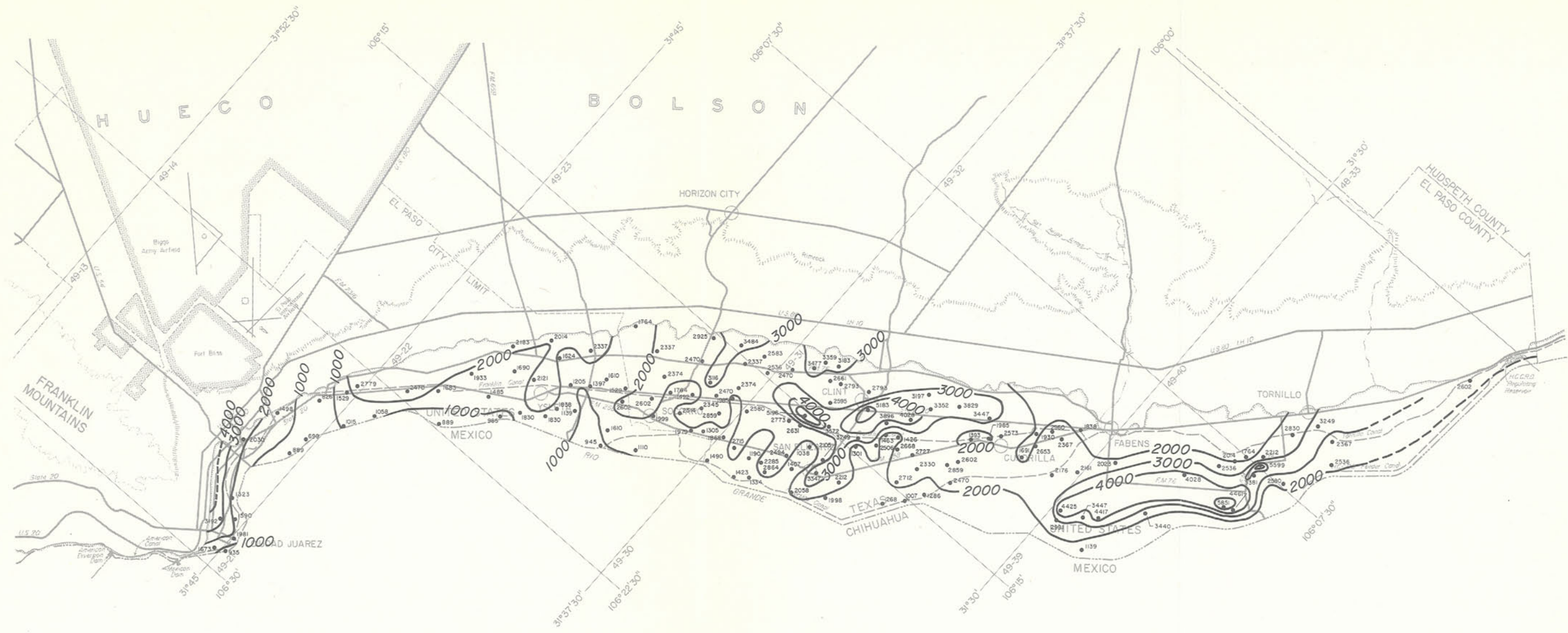
^{9/} Ca(HCO₃)₂ particularly troublesome. Mg(HCO₃)₂ tends to greenish color. CO₂ assists to prevent cracking. Sulfates and chlorides of Ca, Mg, Na should each be less than 300 mg/l (white butts).

^{10/} Uniformity of composition and temperature desirable. Iron objectionable as cellulose adsorbs iron from dilute solutions. Manganese very objectionable, clogs pipelines and is oxidized to permanganates by chlorine, causing reddish color.

^{11/} Excessive iron, manganese, or turbidity creates spots and discoloration in tanning of hides and leather goods.

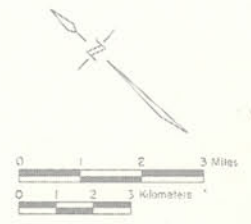
^{12/} Constant composition; residual alumina 0.5 mg/l.

^{13/} Calcium, magnesium, iron, manganese, suspended matter, and soluble organic matter may be objectionable.



EXPLANATION

- 1690
Sampled well
- Number indicates the concentration of dissolved solids in the water, in milligrams per liter
- Sampled wells are not more than 100 feet deep
- Date of sampling is in the period 1964-74
- 2000 —
Line showing approximate concentration of dissolved solids, in milligrams per liter
- Interval 1000 milligrams per liter
- Approximate edge of the Rio Grande alluvium (from Van Horn-El Paso geologic atlas sheet)



Base adapted from county highway maps by the Texas Department of Highways and Public Transportation; topographic maps by the U.S. Geological Survey, and maps of the El Paso County and Hudspeth County Water Improvement Districts

Figure 12

Areal Distribution of Ground-Water Quality in the Rio Grande Alluvium, Lower El Paso Valley, Within the Depth Interval 0-100 Feet

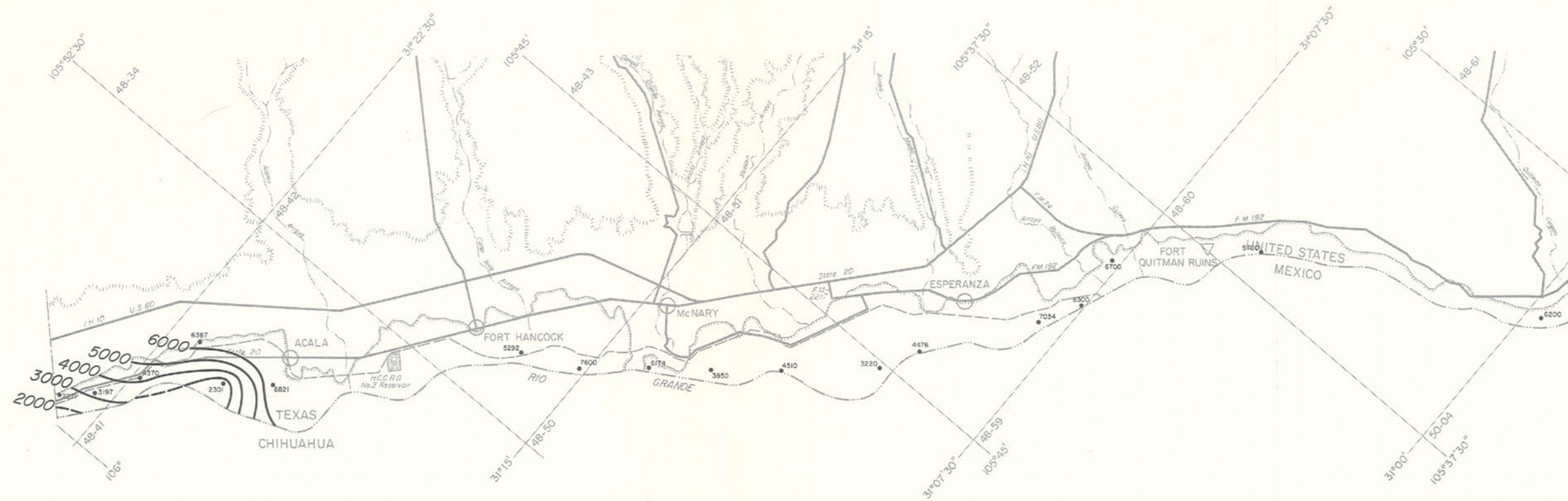
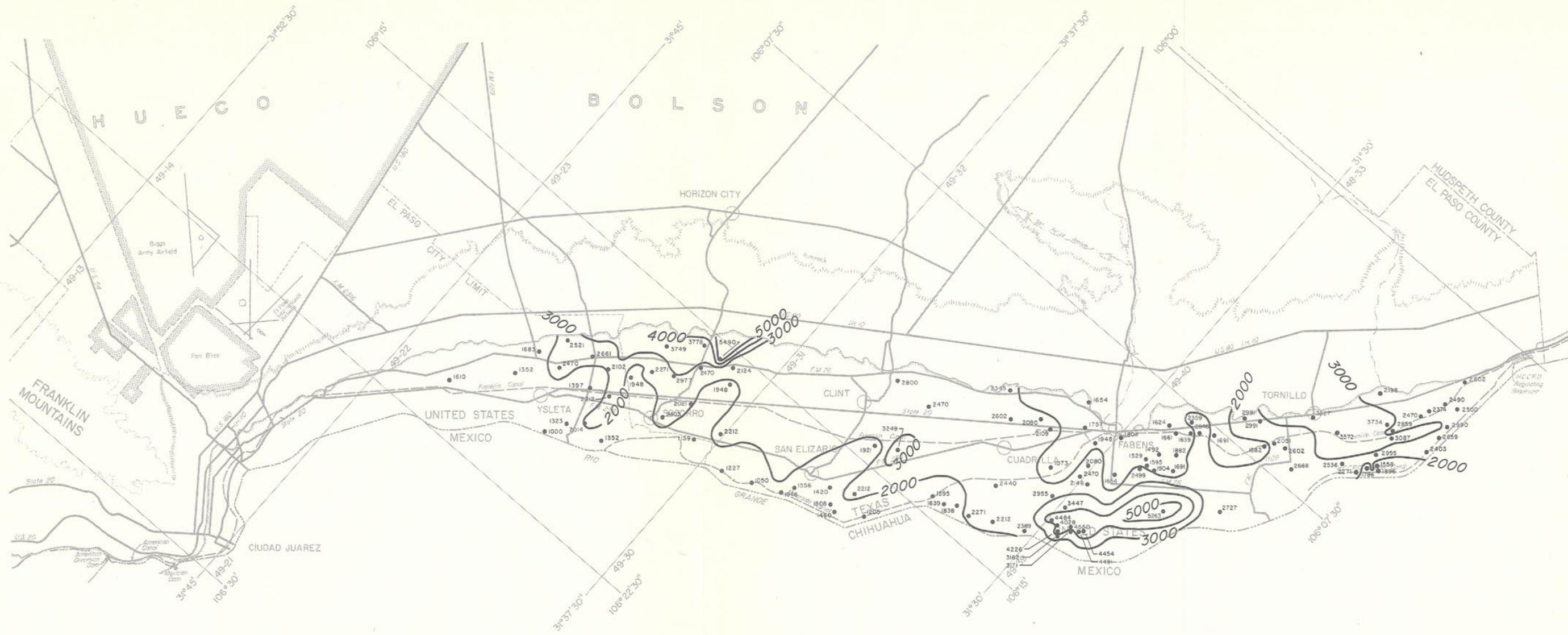
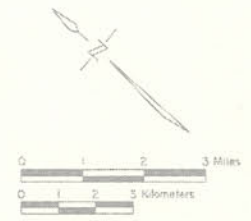


Figure 12 Continued



EXPLANATION

- 1227
Sampled well
- Number indicates the concentration of dissolved solids in the water, in milligrams per liter
- Sampled wells are from 100-200 feet deep
- Date of sampling is in the period 1964-74
- 2000 —
Line showing approximate concentration of dissolved solids, in milligrams per liter
- Interval 1000 milligrams per liter
- — — — —
Approximate edge of the Rio Grande alluvium (from Van Horn-El Paso geologic atlas sheet)



Base adapted from county highway maps by the Texas Department of Highways and Public Transportation; topographic maps by the U.S. Geological Survey, and maps of the El Paso County and Hudspeth County Water Improvement Districts

Figure 13

Areal Distribution of Ground-Water Quality in the Rio Grande Alluvium, Lower El Paso Valley, Within the Depth Interval 0-200 Feet

of ground water during irrigation, (2) the heterogeneous character of the Rio Grande alluvium, which generally contributes to the deterioration of ground-water quality, and (3) evapotranspiration by phreatophytes concentrated along the drains and in scattered, dense clumps or bosques.

Ground-Water Quality Problems

The El Paso Valley is an area of complex subsurface sedimentation, hydrology, and soil characteristics. This complexity is one of the contributing factors which causes the ground-water quality in the Valley to change laterally and with depth. In places the quality changes may be abrupt. As mentioned earlier in the geology section, the sediments are lenticular and grade laterally from montmorillonite clays to very coarse gravels. This variation in the character of sediments has an effect on the chemical quality of the ground water by locally restricting its movement both vertically and horizontally. Where horizontal movement is restricted, a buildup in dissolved salts may occur because there is no lateral influx of fresher water. Similarly, where vertical movement is contained, zones of saline water may occur above or below the zones of better water. These factors are further complicated by the pumping of wells which may increase ground-water movement, both horizontally and vertically, thereby causing a blending effect of the various water-quality zones.

The cross sections in Figure 14 illustrate the variations in water quality at different places and depths in the lower El Paso Valley. As shown in Figure 15, the quality of water produced by a well can change significantly over the years.

Most of the ground-water recharge received by the Rio Grande alluvium is from infiltration of applied irrigation water, which is derived in varying proportions from the Valley's surface-water and ground-water (Rio Grande alluvium) supplies. The use and partial recycling of these waters has generally had the overall effect of increasing the salinity of the ground water, particularly in the upper water-bearing sands of the alluvium.

Ground-Water Quality in Relation to Soil Quality

As mentioned in a previous section, all irrigation water contains soluble salts obtained from several sources. The amount and kind of salts are important in determining the suitability of the water for crop production. In the El Paso Valley, irrigation water of

acceptable quality should contain less than 2,000 mg/l of soluble salts, or up to about 3 tons of salt per acre-foot. However, under certain conditions, water of higher concentrations may be used for irrigation. As water with higher salt content is used for irrigation, more rigid management practices must be followed to avoid long-term damage to the soil. In many cases, successful irrigation farming is more dependent on the management practices followed than on the quality of water available. In an efficient and successful irrigation operation, several factors must be considered. The main factors are (1) the quantity and quality of water available, and (2) the chemical and physical nature of the soil to which it is applied. Other important factors which affect irrigated crop production are climate, adequacy of drainage, and the suitability of crops to the water available.

Considering soil types and water quality to be the most critical factors affecting irrigated crop yields, a map (Figure 16) was constructed outlining the areas most and least favorable for development of irrigation water from the Rio Grande alluvium in the lower El Paso Valley. This map illustrates the distribution of the soils best suited for irrigation on the basis of soil characteristics and qualities that affect the ability of the soil to respond to water, fertilizer, and management practices. The characteristics considered in the delineation of these soils were soil depth, surface soil texture and structure, subsoil texture and structure, and permeability of the least permeable horizon. As water quality is a major factor in determining the areas best suited for irrigation, the map (Figure 16) also delineates the areas where water of less than 2,000 mg/l dissolved solids can be found in the Rio Grande alluvium in the lower El Paso Valley.

AVAILABILITY OF GROUND WATER FOR DEVELOPMENT

The three sources for the development of ground water in the El Paso Valley are the Hueco and Mesilla bolson deposits and the Rio Grande alluvium.

Hueco and Mesilla Bolson Deposits

The only part of the lower El Paso Valley which is underlain by fresh ground water in the Hueco bolson deposits is the city artesian area, which extends from a point near the Paso del Norte to Ysleta and generally coincides with the extreme northwestern part of the lower Valley. Predominantly, the bolson deposits in the remaining part of the lower Valley from Ysleta to Quitman Canyon contain saline ground water, most of

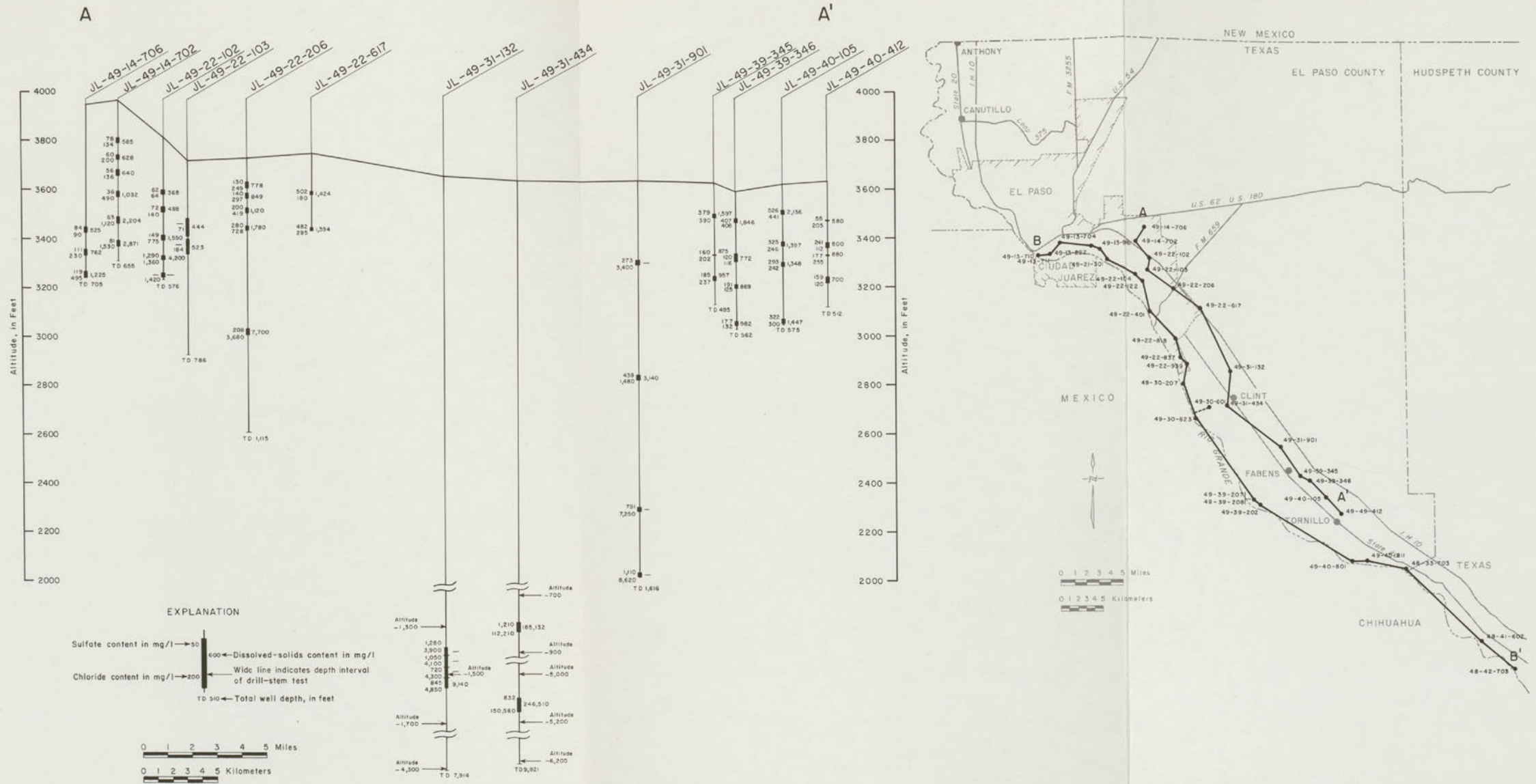


Figure 14

Cross Sections Showing Chemical Quality of Ground Water, Lower El Paso Valley

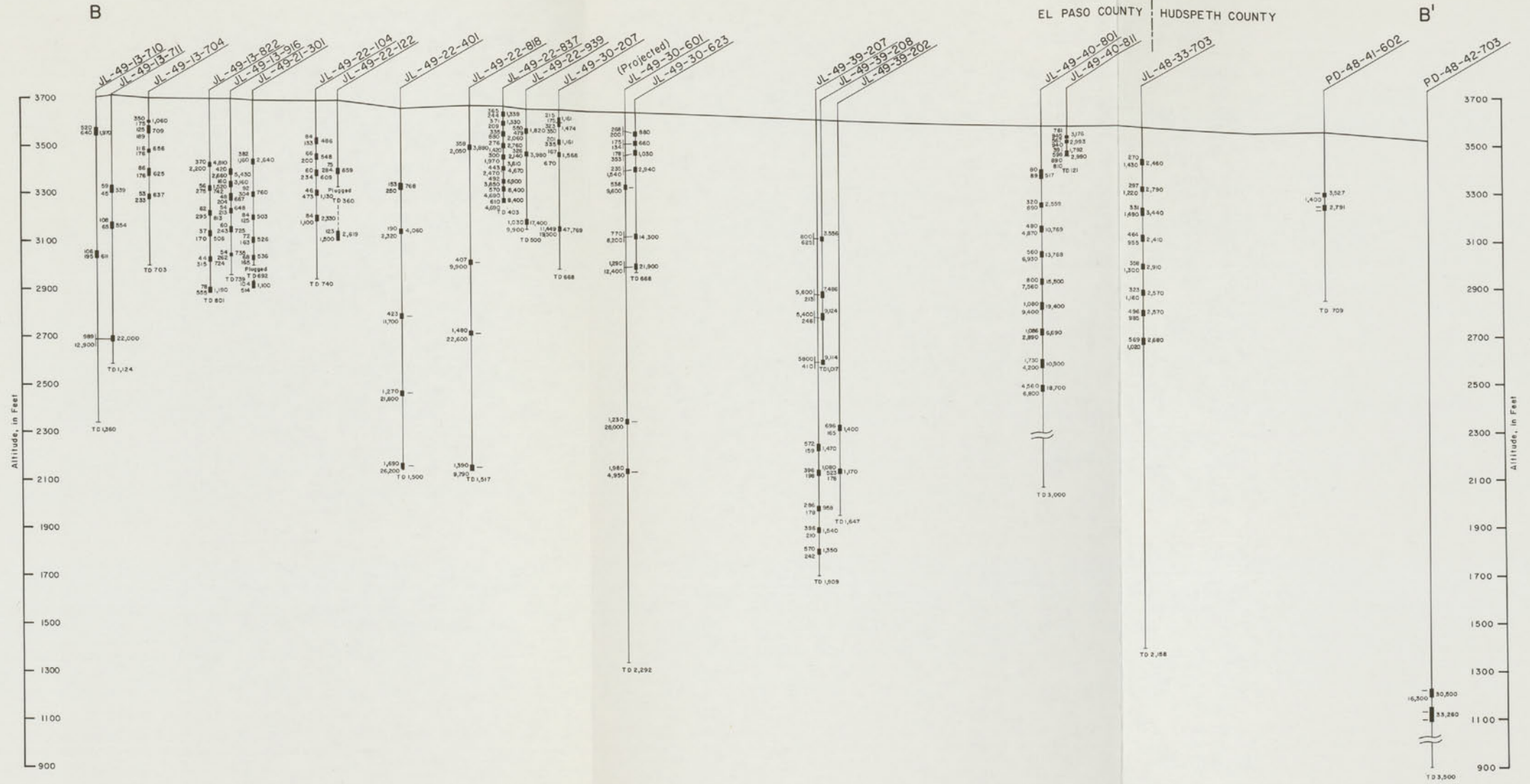


Figure 14 Continued

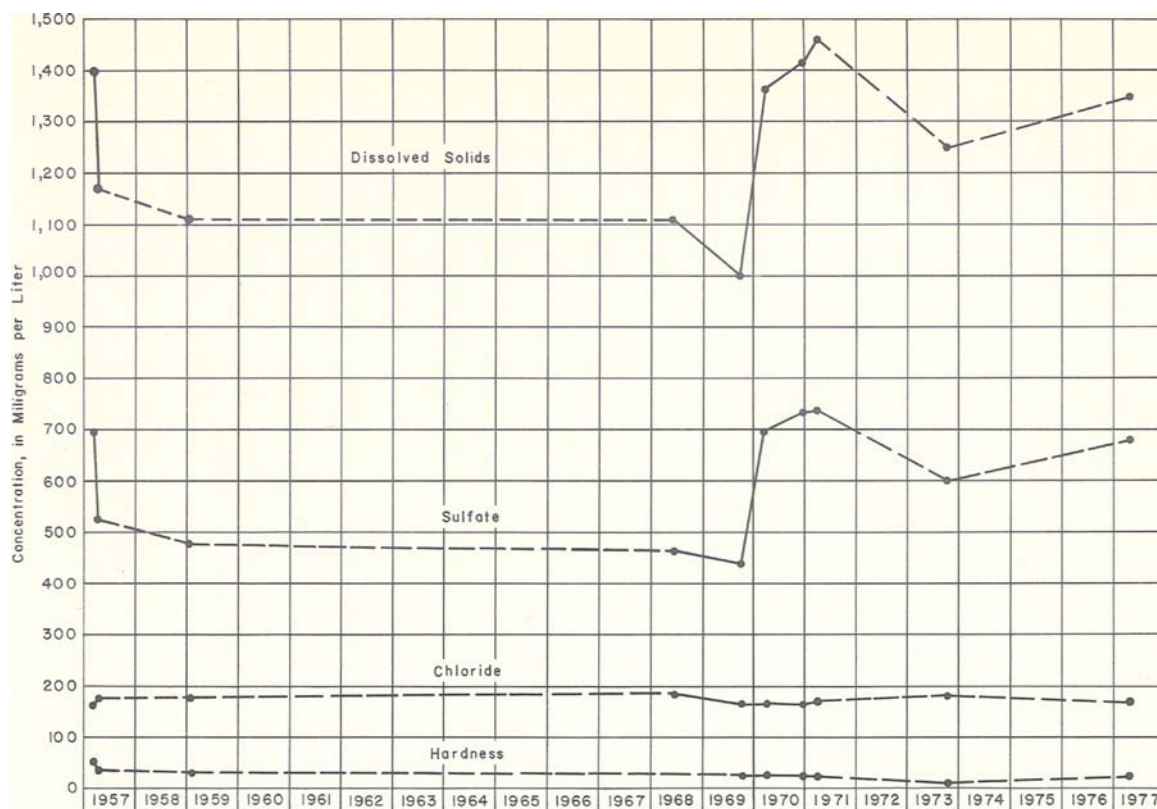


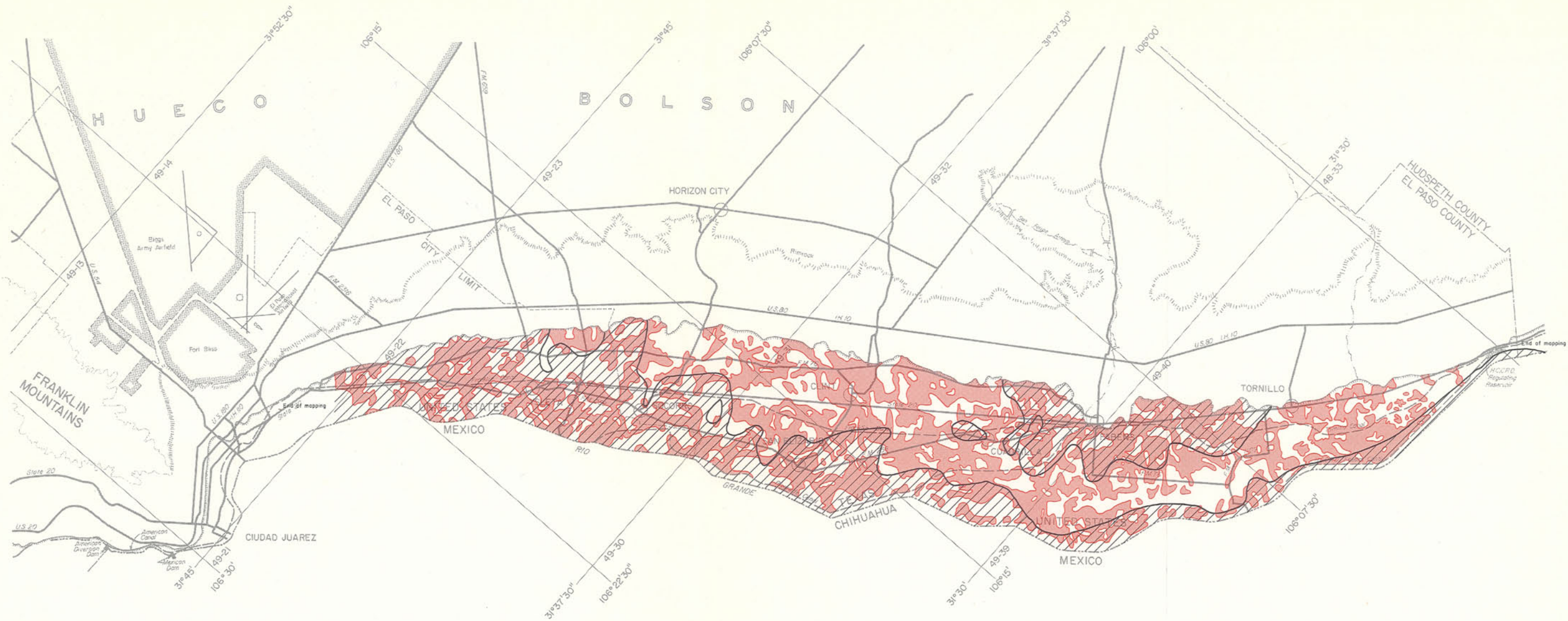
Figure 15.—Changes in Chemical Quality of Water in Well JL-49-39-202
(City of El Paso Lower Valley Test Hole 2, Near Fabens)

which ranges in quality from moderately saline to very saline. A small area between Fabens and the Rio Grande has a deep zone in the Hueco bolson deposits which contains slightly saline water. However, this zone is surrounded by a very large quantity of ground water with much higher salinity and is believed to be a small subsurface extension of a larger section of bolson deposits containing fresh to slightly saline water in Mexico.


Cooperative ground-water investigations in the El Paso region by the Texas Water Development Board, U.S. Geological Survey, and the city of El Paso have evaluated the ground-water availability of the Mesilla and Hueco bolson deposits as follows. Annual recharge is about 18,000 acre-feet for the Mesilla bolson deposits and about 6,000 acre-feet for the Hueco bolson deposits (Leggat and others, 1962; Meyer, 1976). In the upper El Paso Valley, the Mesilla bolson deposits and Rio Grande alluvium together contain about 560,000 acre-feet of fresh water in storage in Texas of which about 410,000 acre-feet is in the bolson deposits; however, in areas where the fresh-water beds are overlain or underlain by saline water, not all of the fresh water can be recovered (Leggat and others, 1962). The Hueco bolson deposits


contain about 10.6 million acre-feet of fresh water in storage in Texas that is judged to be recoverable (Meyer, 1976, p. 8). Meyer and Gordon (1972) also estimated that about 3.4 million acre-feet of slightly saline water in the Hueco bolson deposits is available in the sands which underlie and adjoin the fresh-water zone and, although this water is unsuitable for drinking, it is satisfactory for blending or desalination.

Meyer (1976) indicated that the Hueco bolson receives a large amount of induced recharge by vertical leakage of water from the Rio Grande alluvium. The water moves downward from the alluvium when pumpage of ground water from the bolson lowers its artesian head below the water table in the alluvium. Meyer (1976) stated that during the period 1968-73 the average annual leakage into the bolson from the alluvium was approximately 33,300 acre-feet. Due to lining of the Rio Grande channel in the immediate El Paso area, the alluvium receives very little recharge from surface-water inflow in this area and therefore is significantly drained by the leakage. Also, this leakage apparently is causing gradual deterioration in the quality of the bolson's fresh water in the city artesian area.

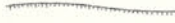


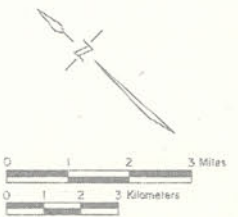
EXPLANATION

 Hachuring indicates areas where ground water in the Rio Grande alluvium is most suitable for irrigation (less than 2,000 mg/l dissolved solids, as shown in Figure 12 or 13)

 Shading indicates areas where soils in the Rio Grande alluvium outcrop are most suitable for irrigation

 Areas that are both hachured and shaded are the most favorable areas for development of irrigation water from the Rio Grande alluvium

 Approximate edge of the Rio Grande alluvium (from Van Horn-El Paso geologic atlas sheet)



Base adapted from county highway maps by the Texas Department of Highways and Public Transportation, topographic maps by the U.S. Geological Survey, and maps of the El Paso County and Hudspeth County Water Improvement Districts

Figure 16
Areas Most Favorable for Development of Irrigation Water From the Rio Grande Alluvium, Lower El Paso Valley

From 1960 through 1969, an average of about 75,000 acre-feet per year of ground water was withdrawn from the Hueco bolson deposits by the cities of El Paso and Juarez, the military, various industries, and one irrigator. About 33,000 acre-feet per year was withdrawn from the city artesian area and the artesian portion of the bolson in Juarez. These withdrawals have removed significant quantities of ground water from storage. If continued, such withdrawals could eventually cause extensive storage depletions and a deterioration in water quality.

Rio Grande Alluvium

Davis (1967) estimated, and Meyer and Gordon (1972, p. 27) confirmed, that about 1.4 million acre-feet of ground water having less than 2,500 mg/l dissolved solids is theoretically recoverable from the Rio Grande alluvium in the lower El Paso Valley in El Paso County. The 1.4 million acre-feet estimate was calculated using (1) an estimated average saturated thickness of 190 feet, two-thirds of which was assumed to contain water having less than 2,500 mg/l dissolved solids (a liberal assumption), and (2) an assumed specific yield of 15 percent (a conservative assumption). Their estimate also is based on the assumptions that (1) the aquifer is full with its water level at the bottom of the river and drains, and (2) the amount (1.4 million acre-feet) is not necessarily economically recoverable because extensive incremental dewatering of the alluvium will cause incremental depletions in well yields and water-quality deterioration.

Based on 1968 through 1971 annual water budget studies in the lower El Paso Valley, Meyer and Gordon (1973, p. 40-42) estimated that the potential ground-water recharge to the alluvium ranged from 74,100 acre-feet (1968) to as high as 89,330 acre-feet (1970). Meyer and Gordon (1972, p. 27) state, "This water is derived from the infiltration of irrigation water and from seepage losses in the canals and laterals; however, due to the fullness of the aquifer, a large part of the water is rejected and becomes drainflow. The volume of potential recharge available will range over wide limits, depending upon the availability of surface water for irrigation."

Figures 12 and 13 provide a means of obtaining coarse approximations of the quantities of water of various salinity ranges stored in the alluvium. As described earlier, these maps represent simplifications of the actual ground-water conditions. Since most wells are screened from the water table to the bottom of the well, the chemical-quality data used to construct the maps actually represent a composite of the water quality from

all the sands screened in the well. In addition, it was necessary to assume that the chemical quality of water obtained from the screened portion in a well is also representative of the deeper, untapped portion of the alluvium, to a depth of 100 feet (Figure 12) or 200 feet (Figure 13). Also, the mapping process involves assumptions and potential for error in the positioning of the water-quality delineations among the well sites used for map control.

Assuming that an average saturated thickness of 90 feet is represented in Figure 12, and 190 feet in Figure 13 (an average thickness of about 10 feet is above the water table), and using a specific yield of 15 percent and the area of each incremental range in water quality delineated on the maps, the following quantities of water are calculated to be recoverable from the Rio Grande alluvium in the lower El Paso Valley in El Paso County:

Salinity range (dissolved-solids content in mg/l)	Quantity of water, in acre-feet	
	Above a depth of 100 feet (based on Figure 12)	Total above a depth of 200 feet (based on Figure 13)
Less than 1,000	39,000	—
1,000—2,000	406,000	821,000
2,000—3,000	397,000	1,021,000
3,000—4,000	130,000	201,000
4,000—5,000	60,000	60,000
More than 5,000	9,000	18,000

The quantity-quality relationships may change in response to changes in discharge or in the amounts or quality of recharge.

The approximate areas most and least favorable for the development of ground water for irrigation in the lower El Paso Valley are shown in Figure 16. This interpretation is based on the water-quality delineations made in Figures 12 and 13 and on the distribution of soils that are best suited for agriculture.

PRESENT GROUND-WATER DEVELOPMENT AND MANAGEMENT IN THE EL PASO REGION

Ground-Water Development in Mexico

Ciudad Juarez has over 500,000 inhabitants, and authorities are projecting an anticipated annual growth

in population of 10 percent for the immediate future. All of Ciudad Juarez's municipal and industrial water supply is obtained from the Hueco bolson deposits. In 1972, 29,500 acre-feet of ground water was pumped for municipal purposes. This is more than twice the amount pumped in 1955 for the same purpose. Table 1 shows Ciudad Juarez's annual municipal pumpage from 1955-72.

A treaty between the United States and Mexico was signed in 1906 and proclaimed by the President of the United States in 1907 whereby the United States guaranteed Mexico an annual delivery in perpetuity of 60,000 acre-feet of water from the Rio Grande. A condition to this delivery was that in event of an extraordinary drought or a serious accident to the Rio Grande Project's irrigation system, the amount delivered to Mexico would be diminished in the same proportion as water delivered to the United States. Mexico utilizes surface water from the Rio Grande for irrigation purposes, and as a result of declining surface-water deliveries during several years since 1950, numerous irrigation wells have been drilled to supplement the water requirements of the expanding agricultural activity in the Juarez Valley.

Most of the irrigation wells in Mexico are completed in the Rio Grande alluvium and only a few are completed in the Hueco bolson deposits. A few wells are completed in a deep artesian sand, probably the same sand encountered by the City of El Paso's Lower Valley Test Hole 2, well JL-49-39-202 near Fabens. Several wells have also been drilled in the Juarez Valley to supply the municipal needs of the various communities southeast of Ciudad Juarez. Some of these public-supply wells are thought to be producing from the Rio Grande alluvium since it supposedly contains fresh water in many areas of the Juarez Valley.

Considerable information is needed to accurately evaluate the effects of ground-water development in Mexico on the ground-water resources of the lower El Paso Valley. Information needed includes well locations, elevations, depths, methods of completion, chemical analyses of the water, water levels (historical and current), copies of any well logs (drillers' and electrical), and the quantities of water produced annually. Historically most of these data have not been available. However, negotiations among representatives of the Texas Department of Water Resources, U.S. Geological Survey, and Mexico's Secretaria de Recursos Hidraulicos to exchange ground-water data may improve this situation. An exchange of ground-water data hopefully will permit all concerned to evaluate the overall development potential of both the Hueco bolson and the Rio Grande alluvium in the United States and Mexico.

One of the several purposes of two test wells drilled by the Texas Water Development Board in 1974 in cooperation with the U.S. Bureau of Reclamation was an effort to monitor the effects of ground-water development in Mexico. These wells, JL-49-30-207 and JL-49-30-623, are positioned near the Rio Grande in the vicinity of San Elizario and directly across the river from a concentration of new irrigation wells in Mexico. The water level in these test wells will be measured periodically to monitor any changes in the alluvium's water level resulting from pumpage in Mexico. In addition, water levels are measured monthly in a series of Rio Grande alluvium observation wells located near the river and extending down the valley near Socorro to below Tornillo. Hydrographs for some of these alluvium observation wells are shown in Figure 10, and the water-level measurements are given in Table 6.

The effects of Mexico's ground-water development on the ground-water resources of the El Paso region are the subject of much speculation, and will continue to be such until sufficient ground-water data are obtained from Mexico.

Ground-Water Development and Management Practices in Texas

The City of El Paso will continue to rely on ground water to provide about 90 percent of its municipal water supply. In addition, all of the water used by several smaller communities within El Paso County plus the several large water-using industries and Fort Bliss must come from ground water. Ciudad Juarez likewise will continue to rely on ground water to provide its municipal and industrial supplies. The bulk of the municipal and industrial ground-water requirements, on both sides of the Rio Grande, has been, and will continue to be, obtained from the Hueco bolson. Ground water from the Rio Grande alluvium used for irrigation will continue to supplement the often insufficient surface-water diversions from the Rio Grande.

The El Paso Water Utilities has had a progressive management program for developing the city's ground-water supply. For many years the city has engaged the U.S. Geological Survey to study the ground-water resources of the Hueco bolson. These studies were funded by the El Paso Water Utilities, Texas Water Development Board, and the U.S. Geological Survey. In 1976 the Survey published the report, "Digital Model for Simulated Effects of Ground-Water Pumping in the Hueco Bolson, El Paso Area, Texas, New Mexico, and Mexico" (Meyer, 1976). The model was used to predict future water-level declines that would

result from the city's proposed pattern of future ground-water pumpage, which is based on anticipated population growth and water use over the next 50 years. Various combinations of the amounts and distribution of pumpage were used as input to the model and the results of each combination were evaluated. The model will provide the El Paso Water Utilities a means of determining in advance which combination permits the optimum development of the aquifer with the least adverse effects. The model may be modified later to include water-quality evaluations.

Assuming that future ground-water supplies must come from the bolson deposits and Rio Grande alluvium in Texas, undeveloped resources remaining to be utilized are the large quantities of saline water that exist within the Hueco and Mesilla bolson deposits and the Rio Grande alluvium. These waters are available for blending with existing fresh water or for use after desalination.

Optimum development of the bolson deposits by the city and others should include plans to use enough strategically located wells to produce the projected quantity of water without creating large-scale water-level declines followed by saline-water encroachment. The use of enough strategically located wells should produce a skimming effect and promote optimum development of the fresh to slightly saline water available in the aquifers.

The city's Water Utilities has initiated an in-well blending technique in a few production wells recently completed in the Hueco bolson. Utilizing this technique, the well is completed in both the fresh and slightly saline water zones by placing calculated lengths of well screen opposite each zone. The well is then pumped at selected rates for different blends of quality. This use of slightly saline water marks a change in the city policy of completing wells within only the fresh-water zone, and is expected to extend the city's ground-water supply considerably.

FUTURE STUDY NEEDS

Inventory and Monitoring of Ground-Water Resources

An evaluation of the ground-water resources of any area is only as good as the information obtained during the data-collection and well-inventory phase of the study. In order to keep up with the future ground-water development of the Mesilla bolson, Hueco bolson, and the Rio Grande alluvium, a continuing ground-water data collection program should be maintained. This program should consist of collecting

the basic data on all new large-capacity wells (municipal, industrial, and irrigation wells) drilled within the El Paso region. The basic data needed for each new well includes depth, cased interval, screened interval, copies of all logs, chemical analyses of the water, water levels, and results of aquifer and well-performance tests. Other programs should include (1) a water-level observation well program, (2) a ground-water quality monitoring program, (3) conducting aquifer and well-performance tests, and (4) an accurate annual ground-water pumpage inventory.

A good water-level observation well program is an integral part of a continuing ground-water data collection program. Selection of these special observation wells and repetitively measuring the water levels in them make it possible to record and analyze the patterns of water-level changes brought about by ground-water development over a long period of time. Hydrographs which graphically portray the rise and decline of the water levels (Figures 9 and 10) are useful in predicting the longevity of aquifers such as the Hueco bolson where annual pumpage exceeds annual recharge, and in understanding in detail the responses of all the aquifers to changes in recharge and pumpage.

Water-level measurements from observation wells in the Hueco bolson, Mesilla bolson, and Rio Grande alluvium have been obtained for many years (Table 6) by the U.S. Geological Survey, the El Paso Water Utilities, the International Boundary and Water Commission, and the U.S. Bureau of Reclamation. Continuation of these long-range data-collection efforts is indispensable to future understanding of the effects of ground-water development in the region, and to refined evaluations of the adequacy and dependability of the region's ground-water supplies.

Shortly after initiating this investigation, water-level measurements were begun by the Board's staff in a series of Rio Grande alluvium wells located near the Rio Grande and extending down the valley from near Socorro to below Tornillo. Measurements that are being obtained from these alluvium wells, especially test wells JL-49-30-207 and JL-49-30-623, and measurements being made in the city of El Paso's deep artesian well, Lower Valley Test Hole 2, JL-49-39-202 near Fabens, should be helpful in detecting any effects on the ground-water conditions in the lower El Paso Valley in Texas that might result from ground-water development in Mexico.

No comprehensive data collection program existed prior to this study for monitoring water-quality changes in either the bolson or alluvium aquifers, and as a consequence our knowledge of historical water-quality

changes in these aquifers is very limited. The El Paso Water Utilities plans to initiate a regular water-quality monitoring program for selected wells in areas of concentrated pumpage from the Hueco bolson. Needed in all the aquifers is the establishment and maintenance of such networks of representative water quality monitoring wells, which are sampled for chemical analysis periodically to keep abreast of any water-quality changes that might occur. The water-quality documentation obtained from such networks would also assist in refining the estimates of quantities of water of various qualities delineated in this and previous reports. Most irrigation wells in the Rio Grande alluvium are not used except when surface-water diversions are inadequate; therefore, it might be advisable to use a network of domestic wells which are in daily use to monitor any water-quality changes in the alluvium.

Aquifer and well-performance tests are essential in determining an aquifer's hydraulic characteristics. Additional tests are needed to support or update data in areas where prior tests have been made, as in parts of the Hueco bolson, and aquifer tests are especially needed in the El Paso Valley's Rio Grande alluvium where none are known to have been performed. A better grasp of an aquifer's hydraulic properties is vital to the sophisticated methods being applied to make long-range aquifer evaluations, such as the U.S. Geological Survey's mathematical ground-water model of the Hueco bolson. Any future ground-water studies in the El Paso region should include conducting as many aquifer and well-performance tests as possible. The El Paso Water Utilities, Fort Bliss, major industries, and all local drillers should be contacted and requested to furnish the results of any aquifer and well-performance tests they might anticipate conducting. If need be, when no tests are planned, assistance should be offered as an incentive to encourage that tests be conducted.

A complete inventory of the amounts of water produced by large-yield municipal, industrial, and irrigation wells in the El Paso region, including Mexico's municipal, industrial, and irrigation pumpage, should be made annually. A Rio Grande Regional Environmental Project participant should be charged with the responsibility for collecting, compiling, and distributing copies of these data to entities concerned with ground-water development in the El Paso region.

Additional information on wells and water quality is particularly needed in the Hudspeth County part of the lower El Paso Valley, where no previous major ground-water investigations have been conducted. Because of the lack of historical data, and because there was insufficient time during this investigation to

concentrate more effort on Hudspeth County, the maps in this report reflect the lack of adequate data in that area.

Exploration to Refine Ground-Water Availability Evaluations

Exploration for ground-water supplies of usable quality is needed in some areas as an adjunct to the programs of collecting basic data from existing water wells. This need was pointed out by Davis (1967) who concluded that "additional chemical analyses are needed to determine more accurately the quality of the water at different depth intervals in the alluvium. Such a program will require the drilling of a considerable number of test holes. The wells should be drilled to depths of not less than 200 feet, and water samples should be taken at several depths during the drilling of the test holes." Similarly, test drilling would be useful at many sites in the bolson deposits where information presently is scarce or lacking.

Where possible, geophysical logs should be run on all new high-capacity wells drilled in the El Paso Valley to delineate the depth intervals that may contain fresh water. Water samples should be collected from the delineated intervals using the gravel-pack method of water sampling. In cased wells, where the gravel-pack sampling method cannot be employed, a down-hole sampler can be used to collect water samples from predetermined depths using the geophysical logs as guides. A down-hole sampler is a special cylindrical tool that can be lowered down a borehole and opened to collect a water sample from any desired depth. This sampler can be used in wells that are not equipped with pumps, and in wells that have had pumps removed for such sampling with the owner's permission. This sampler may prove to be especially useful in obtaining needed ground-water quality information.

Mention has been made earlier of the valuable information obtained in two test wells which were drilled during this investigation by the Texas Water Development Board in cooperation with the U.S. Bureau of Reclamation. The test holes, JL-49-30-207 and JL-49-30-623, located near the Rio Grande in the vicinity of San Elizario, were both drilled through the Rio Grande alluvium and into the Hueco bolson, to a total depth of 650 feet in search of fresh water. Geophysical logs were run on each well, and based on evaluations of these logs, water samples were collected from various depth intervals using the gravel-pack technique utilized by El Paso Water Utilities.

In 1975, the Texas Water Development Board in cooperation with the U.S. Bureau of Reclamation and the U.S. Geological Survey contracted to have geophysical surveys conducted in the lower El Paso Valley from Ysleta to Fort Quitman. These consisted of airborne electromagnetic surveys which investigated the subsurface down to about 400 feet, and ground-based earth-resistivity surveys which investigated the subsurface to depths between 1,000 and 2,000 feet in

selected areas based on the aerial survey results. These surveys are evaluated and the results compiled by J. S. Gates and W. D. Stanley in open-file report 76-650, printed in 1976 by the U.S. Geological Survey, titled "Hydrologic Interpretation of Geophysical Data From the Southeastern Hueco Bolson, El Paso and Hudspeth Counties, Texas." Airborne or ground-based geophysical surveys may have additional application in the El Paso region in future exploration for ground-water supplies.

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Table 4.—Cross-Reference to Well Numbers Used in Previous Studies by Other Agencies

Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number	Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number
	El Paso County		JL-49-04-125	Q-19	—
JL-49-03-303	Q-219	—	126	Q-20	—
317	Q-13	—	127	Q-21	—
321	Q-42	Y-1T	128	Q-22	—
322	Q-43	—	129	Q-23	—
908	Q-107	X-1T	130	Q-24	—
911	Q-110	X-6T	131	Q-25	—
912	Q-111	X-5T	132	Q-26	—
913	Q-112	Y-18T	133	Q-29	—
914	Q-113	—	134	Q-30	—
915	Q-119	Y-21T	135	Q-31	—
916	Q-140	36	136	Q-32	—
919	—	X-3T	137	Q-34	—
921	—	Y-35T	138	Q-35	—
04-101	Q-187	—	139	Q-36	—
102	Q-188	—	140	Q-37	Y-4T
103	Q-220	—	141	Q-38	Y-3T
104	Q-174	—	142	Q-65	—
105	Q-175	—	143	Q-190	—
106	Q-173	—	144	Q-193	—
107	Q-180	—	145	Q-194	—
109	Q-178	—	146	Q-195	—
110	Q-213	—	147	Q-204	—
111	Q-221	—	148	Q-215	—
112	Q-196	—	149	Q-246	—
113	Q-197	—	150	Q-225	—
114	Q-28	—	151	Q-247	—
115	Q-182	—	160	—	Y-2T
116	Q-211	—	201	Q-200	—
117	Q-216	—	202	Q-199	—
118	Q-27	—	203	Q-33	—
119	Q-239	—	204	Q-75	—
120	Q-14	—	205	Q-76	—
121	Q-15	29	206	Q-198	—
122	Q-16	—	401	Q-189	—
123	Q-17	—	402	Q-172	—
124	Q-18	—			

Table 4.—Cross-Reference to Well Numbers Used in Previous Studies by Other Agencies—Continued

Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number	Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number
JL-49-04-403	Q-90	—	JL-49-04-441	Q-72	—
404	Q-212	—	442	Q-79	—
405	Q-165	—	443	Q-80	—
406	Q-82	—	444	Q-81	—
407	Q-169	—	445	Q-87	—
408	Q-168	—	446	Q-88	—
409	Q-167	—	447	Q-89	—
410	Q-201	—	448	Q-92	—
411	Q-166	—	450	Q-171	—
412	Q-83	—	451	Q-177	—
413	Q-85	—	452	Q-186	—
414	Q-170	—	458	—	Y-31T
415	Q-84	—	501	Q-73	—
416	Q-181	Y-10T	502	Q-74	—
417	Q-86	—	503	Q-77	—
418	Q-203	—	504	Q-78	—
419	Q-176	—	505	Q-191	—
420	Q-91	—	506	Q-192	—
421	Q-202	—	701	Q-121	37
422	Q-205	—	702	Q-135	—
423	Q-206	—	704	Q-232	—
424	Q-207	—	705	Q-114	—
425	Q-214	—	706	Q-115	—
426	Q-208	—	707	Q-116	—
427	Q-210	—	708	Q-117	Y-20T
428	Q-209	—	709	Q-118	Y-19T
429	Q-237	—	710	Q-120	—
430	Q-235	—	711	Q-122	Z-7T
431	Q-236	—	712	Q-123	Z-5T
432	Q-217	—	713	Q-124	—
434	Q-64	Y-33T	714	Q-125	—
435	Q-66a	—	715	Q-126	—
436	Q-71	—	716	Q-127	—
437	Q-67	—	717	Q-128	Z-8T
438	Q-68	—	718	Q-129	Z-9T
439	Q-69	—	719	Q-130	—
440	Q-70	—	720	Q-131	—

Table 4.—Cross-Reference to Well Numbers Used in Previous Studies by Other Agencies—Continued

Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number	Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number
JL-49-04-721	Q-132	—	JL-49-05-501	R-63	—
722	Q-133	—	502	R-11	—
723	Q-138	—	503	R-85	—
724	Q-139	Y-23T	504	R-88	—
725	Q-179	—	505	R-91	—
726	Q-226	—	506	R-92	—
727	Q-241	Y-39T	507	R-28	—
728	Q-244	—	508	R-10	—
733	—	Y-32T	601	R-73	—
734	—	Z-6T	602	R-71	—
737	—	Y-34T	603	R-68	—
801	Q-228	—	604	R-70	—
901	Q-229	—	605	R-86	—
05-101	R-58	—	606	R-64	—
201	R-78	—	607	R-82	—
202	R-59	—	608	R-104	—
203	R-81	—	610	R-62	—
204	R-84	—	611	R-13	—
205	R-2	—	801	R-69	—
206	R-1	—	802	R-23	—
207	R-77	—	803	R-29	—
208	R-89	—	804	R-31	—
209	R-93	—	805	R-33	—
210	R-12	—	806	R-30	—
211	R-87	—	807	R-96	—
301	R-72	—	808	R-24	—
302	R-8	—	809	R-25	—
303	R-66	—	810	R-26	—
304	R-67	—	901	R-61	—
305	R-101	—	902	R-60	—
306	R-100	—	903	R-90	—
307	R-75	—	904	R-76	—
308	R-99	—	905	R-22	—
309	R-102	—	906	R-103	—
310	R-3	—	907	R-19	—
311	R-6	—	908	R-20	—
312	R-7	—	909	R-21	—
313	R-9	—	910	R-27	—

Table 4.—Cross-Reference to Well Numbers Used in Previous Studies by Other Agencies—Continued

Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number	Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number
JL-49-05-911	R-32	—	JL-49-12-121	Q-242	—
912	R-79	—	122	Q-243	—
06-101	R-95	—	123	Q-245	Y-27T
102	R-4	—	124	—	Y-73T
103	R-105	—	127	—	Y-62T
104	R-97	—	128	—	Y-61T
105	R-5	—	201	Q-230	—
201	S-1	—	202	Q-158	—
401	R-98	—	203	Q-159	—
402	R-94	—	204	Q-160	—
403	R-14	—	205	Q-161	—
501	S-5	—	206	Q-162	—
502	S-6	—	301	Q-163	—
601	S-8	—	401	U-1	—
602	S-4	—	402	U-2	—
701	R-83	—	403	U-3	—
702	R-15	—	404	U-4	—
703	R-16	—	405	U-5	—
704	R-17	—	406	U-6	—
705	R-18	—	407	U-7	—
12-101	Q-156	—	432	U-72	—
102	Q-137	Y-26T	501	U-23	34
103	Q-153	—	502	U-11	—
104	Q-231	—	503	U-16	—
105	Q-240	—	510	U-24	Z-22T
106	Q-134	—	525	U-65	—
107	Q-136	—	601	U-71	—
108	Q-145	Y-28T	602	U-12	—
109	Q-146	Y-46T	603	U-13	—
110	Q-147	Y-30T	604	U-14	—
113	Q-150	—	605	U-15	—
114	Q-151	—	606	U-59	—
115	Q-152	—	607	U-60	—
116	Q-154	—	13-201	R-36	—
117	Q-155	—	202	R-34	—
118	Q-157	—	203	R-40	—
119	Q-222	—	204	R-56	—
120	Q-227	—	205	R-53	—

Table 4.—Cross-Reference to Well Numbers Used in Previous Studies by Other Agencies—Continued

Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number	Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number
JL-49-13-206	R-42	—	JL-49-13-518	V-37	—
207	R-65	—	519	V-38	—
208	R-35	—	601	V-5	—
209	R-37	—	602	V-10	—
210	R-38	—	603	V-150	—
211	R-39	—	604	V-9	—
212	R-41	—	605	V-7	—
213	R-54	—	606	V-21	—
214	R-55	—	607	V-19	—
301	R-45	—	608	V-136	—
302	R-46	—	609	V-93	—
303	R-48	—	610	V-41	—
304	R-52	—	611	V-11	—
305	R-51	—	612	V-22	—
306	R-50	—	613	V-42	—
307	R-52a	—	614	V-40	—
308	R-43	—	615	V-162	—
309	R-44	—	616	V-8	—
310	R-47	—	617	V-165	—
311	R-46a	—	618	V-39	—
401	V-30	—	619	V-20	—
501	V-2	—	620	V-12	—
502	V-4	—	621	V-6	—
503	V-25	—	622	V-198	—
504	V-24	—	623	V-199	—
505	V-23	—	624	V-200	—
506	V-33	—	701	V-152	—
507	V-26	—	702	V-59	—
508	V-27	—	703	V-58	—
509	V-28	—	704	V-54	—
510	V-29	—	705	V-56	—
511	V-140	—	706	V-57	—
512	V-3	—	709	V-62	—
513	V-1	—	710	V-167	—
514	V-32	—	711	V-62a	—
515	V-34	—	712	V-174	—
516	V-35	—	713	V-176	—
517	V-36	—	714	V-177	—

Table 4.—Cross-Reference to Well Numbers Used in Previous Studies by Other Agencies—Continued

Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number	Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number
JL-49-13-715	V-178	—	JL-49-13-905	V-71	—
716	V-55	—	906	V-72	—
717	V-96	—	907	V-73	—
718	V-156	—	908	V-81	—
719	V-60	—	909	V-80	—
720	V-64	—	910	V-94	—
721	V-65	—	911	V-79	—
722	V-66	—	912	V-82	—
723	V-67	—	913	V-106	—
801	V-53	—	914	V-145	—
802	V-138	—	915	V-99	—
803	V-52	—	916	V-103	—
804	V-49	—	917	V-154	—
805	V-45	—	918	V-153	A-3
806	V-50	—	919	V-163	—
807	V-46	—	920	V-137	—
808	V-69	—	921	V-166	—
809	V-48	—	922	V-186	—
810	V-45a	—	923	V-74	—
811	V-180	—	924	V-75	—
812	V-173	—	925	V-76	—
813	V-179	—	926	V-77	—
814	V-189	—	927	V-102	—
815	V-51	—	928	V-104	—
816	V-31	—	929	V-105	—
817	V-47	—	930	V-107	—
818	V-157	—	931	V-108	A-20
819	V-188	—	932	V-148	—
820	V-158	—	933	V-170	—
821	V-169	—	934	V-172	—
822	V-97	—	936	V-190	—
823	V-91	—	937	V-88	A-2
824	V-161	—	14-101	R-80	—
825	V-201	—	102	R-49	—
901	V-44	—	103	R-57	—
902	V-70	—	104	R-106	—
903	V-98	—	105	R-107	—
904	V-78	—	201	S-13	—

Table 4.—Cross-Reference to Well Numbers Used in Previous Studies by Other Agencies—Continued

Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number	Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number
JL-49-14-301	S-14	—	JL-49-14-712	V-149	—
302	S-12	—	713	V-151	—
401	V-141	—	714	V-164	—
402	V-142	—	715	V-187	—
403	V-143	—	716	V-192	—
404	V-15	—	717	V-193	—
405	V-14	—	718	V-191	—
406	V-159	—	801	W-6	—
407	V-16	—	802	W-89	—
408	V-13	—	803	W-90	—
409	V-17	—	15-401	W-3	—
410	V-18	—	402	W-74	—
411	V-43	—	403	W-91	—
412	V-155	—	701	W-4	—
413	V-194	—	702	W-5	—
414	V-195	—	801	W-7	—
415	V-197	—	802	W-92	—
416	V-202	—	901	X-6	—
501	W-1	—	902	X-12	—
502	W-2	—	21-101	V-168	—
503	W-84	—	102	V-175	—
504	W-83	—	103	V-61	—
505	W-77	—	301	V-109	—
507	W-75	—	302	V-110	—
601	W-81	—	303	V-181	—
603	W-80	—	304	V-182	—
608	W-82	—	305	V-111	—
701	V-139	—	306	V-171	—
702	V-92	—	307	V-118	A-7
703	V-101	—	308	V-112	D-30
704	V-83	—	22-101	V-129	A-9
705	V-100	—	109	V-87	A-4
706	V-144	—	110	V-114	—
707	V-146	—	111	V-115	D-1
708	V-147	—	112	V-117	D-26
709	V-160	—	113	V-119	A-14
710	V-84	—	114	V-120	A-13
711	V-85	—	115	V-122	A-18

Table 4.—Cross-Reference to Well Numbers Used in Previous Studies by Other Agencies—Continued

Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number	Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number
JL-49-22-116	V-123	D-24	JL-49-22-516	W-34	D-21
117	V-124	D-25	517	W-35	—
118	V-125	D-34	518	W-36	D-36
119	V-126	D-23	519	W-37	D-27
120	V-127	D-28	520	W-38	D-35
121	V-128	—	521	W-39	B-70
122	V-196	—	522	W-40	D-3
123	—	A-10	523	W-41	D-10
201	W-9	—	524	W-42	D-13
203	W-88	—	525	W-43	D-42
204	W-13	—	526	W-44	D-17
205	W-14	D-11	527	W-45	D-18
206	W-15	—	528	W-49	D-20
207	W-16	D-44	529	W-50	B-30
210	W-21	—	530	W-51	B-6
211	W-22	D-2	531	W-52	B-5
212	—	D-33	532	W-53	B-22
401	V-133	A-22	533	W-54	B-77
402	V-130	A-19	534	W-55	A-11
403	V-131	A-15	535	W-56	A-6
404	V-132	A-16	536	W-57	B-69
405	V-134	A-12	537	W-58	B-57
406	V-135	A-1	538	W-59	B-62
501	W-85	—	539	W-60	B-24
502	W-86	—	540	W-61	B-34
503	W-11	B-21	541	W-62	B-26
504	W-17	D-7	542	W-63	B-88
505	W-20	D-14	543	W-64	B-29
506	W-23	D-22	544	W-67	—
507	W-24	D-8	545	W-12	B-58
508	W-25	D-19	546	W-19	D-43
509	W-26	D-37	547	W-18	D-39
510	W-27	D-40	548	—	A-21
511	W-28	D-38	552	Y-9	B-61
512	W-29	D-32	601	W-87	—
513	W-30	D-12	602	W-33	D-16
514	W-31	D-15	603	W-46	D-4
515	W-32	D-29	604	W-47	D-6

Table 4.—Cross-Reference to Well Numbers Used in Previous Studies by Other Agencies—Continued

Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number	Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number
JL-49-22-605	W-48	D-31	JL-49-22-832	Y-69	F-12
606	W-65	B-8	833	Y-70	—
607	W-66	—	834	Y-71	F-33
608	W-68	B-19	835	Y-72	—
609	W-69	D-9	836	Y-90	F-47
610	W-70	B-39	837	Y-285	—
611	W-71	B-31	838	—	B-90
612	W-72	B-20	901	Y-11	B-49
613	W-76	—	902	Y-27	—
614	Y-3	B-51	903	Y-24	B-44
615	—	D-5	904	Y-25	B-28
803	Y-280	—	905	Y-26	B-36
805	Y-47	—	906	Y-28	B-71
806	Y-19	B-10	907	Y-29	B-60
807	Y-17	A-17	908	Y-30	B-56
808	Y-18	F-50	909	Y-31	B-68
809	Y-16	B-16	910	Y-32	B-76
810	Y-15	B-11	911	Y-33	B-55
811	Y-14	B-3	912	Y-34	B-18
812	Y-13	B-15	913	Y-35	B-75
813	Y-12	—	914	Y-36	B-78
814	Y-10	B-54	915	Y-37	B-94
816	Y-8	B-53	916	Y-38	B-35
817	Y-20	B-67	917	Y-59	B-64
818	Y-21	—	918	Y-60	B-37
819	Y-22	B-65	919	Y-78	B-1
820	Y-23	B-4	920	Y-48	B-63
821	Y-39	B-84	921	Y-49	B-50
822	Y-40	B-25	922	Y-50	B-7
823	Y-41	F-56	923	Y-51	B-43
824	Y-42	B-93	924	Y-52	B-17
825	Y-43	F-57	925	Y-53	B-85
826	Y-44	F-65	926	Y-54	—
827	Y-45	F-59	927	Y-55	B-38
828	Y-46	F-6	928	Y-56	B-48
829	Y-66	F-43	929	Y-61	B-13
830	Y-67	F-16	930	Y-62	—
831	Y-68	F-32	931	Y-63	B-9

Table 4.—Cross-Reference to Well Numbers Used in Previous Studies by Other Agencies—Continued

Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number	Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number
JL-49-22-932	Y-64	B-59	JL-49-30-306	Y-85	E-33
933	Y-73	F-8	307	Y-86	F-52
934	Y-74	B-74	308	Y-88	F-14
935	Y-75	B-2	309	Y-89	F-51
936	Y-76	B-27	310	Y-93	F-15
937	Y-77	B-46	311	Y-94	F-69
938	Y-87	F-2	312	Y-103	C-44
940	Y-65	B-14	313	Y-104	F-7
943	—	B-95	314	Y-105	F-36
945	—	B-91	315	Y-106	F-31
23-201	W-8	—	316	Y-110	F-44
301	X-7	—	317	Y-111	F-29
302	X-14	—	318	Y-112	F-17
501	W-10	—	319	Y-113	F-5
601	X-10	—	320	Y-115	F-4
701	Y-283	—	321	Y-116	C-17
702	Y-277	—	322	Y-117	C-48
703	Y-57	B-40	323	Y-118	C-43
704	Y-58	B-45	324	Y-119	C-15
705	Y-79	B-12	325	Y-130	F-53
801	Y-1	—	326	Y-131	F-58
24-201	X-8	—	327	Y-132	F-20
202	X-9	—	328	Y-133	F-21
401	X-11	—	329	Y-134	F-30
402	X-13	—	330	Y-135	F-48
403	X-15	—	331	Y-136	F-27
601	Z-1	—	332	Y-137	F-38
801	Z-2	—	333	Y-138	F-11
30-201	Y-91	F-64	334	Y-139	C-58
202	Y-92	F-24	335	Y-150	F-13
203	Y-107	F-46	336	Y-151	F-35
204	Y-108	F-25	337	Y-152	F-19
205	Y-109	—	338	Y-153	F-1
206	—	F-10	339	—	C-64a
302	Y-114	—	340	—	C-57
303	Y-281	—	601	Y-169	—
304	Y-83	E-6	602	Y-197	—
305	Y-84	E-48	603	Y-154	F-49

Table 4.—Cross-Reference to Well Numbers Used in Previous Studies by Other Agencies—Continued

Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number	Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number
JL-49-30-604	Y-170	F-45	JL-49-31-123	Y-140	C-13
605	Y-171	F-26	124	Y-141	E-42
606	Y-172	F-22	125	Y-142	E-41
607	Y-173	F-9	126	Y-143	E-13
608	Y-174	F-18	127	Y-144	E-55
609	Y-175	F-40	128	Y-146	E-8
610	Y-176	F-54	129	Y-147	E-9
611	Y-177	C-56	130	Y-148	E-14
612	Y-4	F-23	131	Y-149	C-36
613	Y-220	F-63	132	Y-284	—
614	Y-198	F-41	134	—	C-14
615	Y-199	—	136	—	E-67
616	Y-200	F-39	138	—	E-65
617	Y-201	F-55	201	Y-278	—
618	Y-202	F-42	202	Y-145	—
621	—	F-67	203	Y-2	—
31-101	Y-282	—	301	Z-4	—
102	Y-80	B-72	401	Y-221	F-34
103	Y-81	B-23	402	Y-155	C-34
104	Y-82	B-66	403	Y-156	C-35
105	Y-95	—	404	Y-157	E-44
106	Y-96	B-41	405	Y-158	E-46
107	Y-97	—	406	Y-159	E-57
108	Y-98	B-80	407	Y-162	E-43
109	Y-99	B-47	408	Y-163	E-7
110	Y-100	—	409	Y-164	E-12
111	Y-101	E-52	410	Y-165	C-18
112	Y-102	E-4	411	Y-166	C-46
113	Y-120	E-5	412	Y-167	C-47
114	Y-121	E-3	413	Y-168	C-45
115	Y-122	E-18	414	Y-178	C-51
116	Y-123	E-17	415	Y-179	C-1
117	Y-124	B-82	416	Y-180	C-32
118	Y-125	B-32	417	Y-181	C-8
119	Y-126	B-89	418	Y-182	C-7
120	Y-127	B-33	419	Y-183	C-25
121	Y-128	E-39	420	Y-184	E-47
122	Y-129	E-21	422	Y-186	E-51

Table 4.—Cross-Reference to Well Numbers Used in Previous Studies by Other Agencies—Continued

Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number	Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number
JL-49-31-423	Y-194	E-63	JL-49-31-521	Y-216	C-53
424	Y-195	E-38	522	Y-6	E-1
425	Y-196	C-39	523	Y-185	E-49
426	Y-203	F-37	524	—	E-69
427	Y-204	F-3	526	—	E-60
428	Y-205	C-33	527	Y-230	E-31
429	Y-218	C-40	528	—	E-61
430	Y-219	C-38	529	—	E-62
431	Y-222	F-28	601	Z-13	—
432	Y-225	C-37	701	Y-265	G-53
433	Y-5	C-2	702	Y-223	C-28
434	Y-279	—	703	Y-224	C-29
435	—	C-55	704	Y-226	C-30
438	—	E-64	705	Y-7	—
439	—	E-37	706	Y-240	G-43
441	—	C-64b	707	Y-241	G-80
443	—	C-61	708	Y-242	G-42
444	—	E-58	709	Y-243	G-41
501	Y-217	C-31	710	Y-239	G-45
502	Y-160	E-45	711	Y-244	G-46
503	Y-161	E-35	712	Y-245	G-47
504	Y-187	E-11	713	Y-246	G-48
505	Y-188	E-34	714	Y-247	G-49
506	Y-189	—	715	Y-248	G-50
507	Y-190	E-53	716	Y-266	—
508	Y-191	E-10	717	Y-267	G-52
509	Y-193	E-50	718	—	G-44
510	Y-192	E-54	719	—	G-98
511	Y-206	E-40	720	—	G-104
512	Y-207	E-15	721	—	G-103
513	Y-208	E-28	722	—	G-99
514	Y-209	E-2	723	—	G-1
515	Y-210	E-29	801	Y-231	E-23
516	Y-211	E-20	802	Y-227	C-24
517	Y-212	E-19	803	Y-228	—
518	Y-213	E-30	804	Y-229	C-21
519	Y-214	C-22	806	Y-232	E-24
520	Y-215	E-56	807	Y-233	E-25

Table 4.—Cross-Reference to Well Numbers Used in Previous Studies by Other Agencies—Continued

Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number	Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number
JL-49-31-808	Y-234	E-16	JL-49-31-901	Z-9	—
809	Y-235	C-16	902	Z-12	—
810	Y-236	C-50	903	Z-10	E-26
811	Y-237	C-41	904	Z-11	E-22
812	Y-238	C-49	905	Z-15	—
813	Y-249	C-4	906	—	E-59
814	Y-250	C-5	907	—	E-36
815	Y-251	C-11	32-101	Z-3	—
816	Y-252	C-19	102	Z-17	—
817	Y-253	C-10	301	Z-5	—
818	Y-257	C-42	501	Z-6	—
819	Y-258	C-9	505	Z-16	—
820	Y-259	C-6	701	Z-14	—
821	Y-260	C-23	702	Z-7	—
822	Y-261	C-52	901	Z-8	—
823	Y-262	C-3	39-101	AA-3	G-62
824	Y-263	G-84	102	AA-4	G-13
825	Y-264	G-82	103	AA-17	G-61
826	Y-254	C-26	104	AA-18	G-11
827	Y-255	G-27	105	AA-16	G-14
828	Y-256	H-32	106	AA-19	G-12
829	Y-268	G-63	107	AA-30	G-15
830	Y-269	—	108	—	G-102
831	Y-271	G-21	202	AA-34	G-101
832	Y-272	G-93	203	AA-6	—
833	Y-270	G-22	204	AA-1	G-77
834	Y-273	G-37	205	AA-24	G-4
835	Y-274	G-36	206	AA-32	G-91
836	Y-275	G-35	207	AA-37	—
837	Y-276	G-56	208	AA-33	—
838	—	G-20	211	AA-8	G-57
839	—	G-97	212	AA-7	G-90
840	—	G-2	213	AA-23	G-58
841	—	E-68	214	AA-26	G-64
843	—	C-59	215	AA-9	G-89
844	—	C-60	216	AA-10	G-39
845	—	C-66	217	AA-11	G-38
846	—	C-66	218	AA-12	G-23

Table 4.—Cross-Reference to Well Numbers Used in Previous Studies by Other Agencies—Continued

Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number	Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number
JL-49-39-219	AA-13	G-25	JL-49-39-327	BB-31	G-75
220	AA-14	G-92	328	BB-32	G-68
221	AA-15	G-86	329	BB-33	G-67
222	AA-20	G-9	330	BB-34	G-95
223	AA-21	G-8	331	BB-35	G-19
224	AA-22	G-33	332	BB-36	G-73
225	AA-27	G-7	333	BB-37	G-72
226	AA-28	G-60	334	BB-1	—
227	AA-29	G-59	335	BB-38	H-25
228	AA-31	—	336	—	G-85
229	AA-2	G-54	337	—	G-69
230	AA-35	G-70	338	—	G-76
231	AA-36	G-3	342	—	G-5
233	—	G-109	343	AA-25	G-40
235	—	G-96	501	—	G-88
302	BB-5	G-74	601	BB-2	G-66
303	BB-6	—	602	BB-54	G-27
304	BB-7	—	603	BB-60	—
307	BB-10	G-83	604	—	G-71
308	BB-11	G-51	605	—	G-94
309	BB-12	G-6	606	—	G-79
310	BB-13	H-9	607	—	G-78
311	BB-14	H-67	608	—	G-55
312	BB-15	—	609	—	G-81
313	BB-16	—	610	—	G-105
314	BB-17	—	611	—	G-107
315	BB-18	H-46	613	—	G-106
316	BB-19	G-31	614	—	G-29
317	BB-20	G-30	615	—	G-26
318	BB-21	G-108	616	—	G-28
319	BB-22	G-17	617	—	G-65
320	BB-23	G-16	618	—	G-18
321	BB-24	H-55	40-101	BB-26	H-41
322	BB-25	H-36	102	BB-39	H-35
323	BB-27	H-24	103	BB-40	—
324	BB-28	H-7	104	BB-41	—
325	BB-29	H-11	105	BB-47	—
326	BB-30	G-24	106	—	H-10

Table 4.—Cross-Reference to Well Numbers Used in Previous Studies by Other Agencies—Continued

Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number	Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number
JL-49-40-402	BB-50	—	JL-49-40-708	—	H-63
403	—	H-45	709	—	H-64
404	BB-52	—	710	—	H-71
405	BB-46	—	801	BB-43	—
406	BB-55	—	802	BB-53	—
408	BB-3	H-19	803	BB-51	—
411	—	H-59	804	—	H-37
413	—	H-69	805	—	H-39
414	—	H-56	806	—	H-38
415	—	H-23	808	—	H-27
416	—	H-62	809	—	H-29
417	—	H-43	810	—	H-72
418	—	H-49	811	—	H-73
419	—	H-50	812	—	H-74
420	—	H-34	813	—	H-57
421	—	H-60	814	—	H-3
422	—	H-47	815	—	H-2
423	—	H-48	816	—	H-42
428	—	H-51	817	—	H-40
429	—	H-18	901	BB-57	H-8
430	—	H-54	902	—	H-58
431	—	H-53	903	—	H-78
432	—	H-52			
433	—	H-30			
435	—	H-32	PD-48-34-801	V-1	—
436	—	H-31	41-201	U-9	—
502	BB-59	—	202	U-1	—
503	BB-49	—	601	AA-1	—
507	—	H-13	602	AA-4	—
508	—	H-76	42-401	AA-2	—
509	—	H-77	701	AA-3	—
510	—	H-5	702	AA-38	—
601	BB-42	—	703	AA-5	—
701	BB-56	H-33	705	AA-47	—
704	—	H-66	801	AA-40	—
705	—	H-1	802	AA-41	—
706	—	H-4	50-201	AA-7 or 8	—
707	—	H-6	302	AA-42	—

Hudspeth County

Table 4.—Cross-Reference to Well Numbers Used in Previous Studies by Other Agencies—Continued

Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number	Well number in this report	U.S. Geological Survey number	U.S. Bureau of Reclamation number
PD-48-50-303	AA-44	—	PD-48-51-802	FF-1	—
601	AA-12	—	60-401	FF-2	—
51-401	AA-43	—			

Table 5.--Records of Selected Wells

All wells are drilled unless otherwise noted in remarks column.

Water level : Reported water levels given in feet; measured water levels given to the nearest tenth or hundredth of a foot.
 Method of lift and type of power: A, airlift; C, cylinder; CF, centrifugal; E, electric; G, gasoline, butane, or diesel engine; J, jet; N, none;
 Ng, natural gas; Sub, submersible; T, turbine; W, windmill.
 Use of water : D, domestic; Ind., industrial; Irr., irrigation; N, none; P, public supply; S, stock.
 Water-bearing unit : Qal Rg, Rio Grande alluvium; Qtal 6, Hueco bolson; Qtal 8, Mesilla bolson.

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County													
JL-48-33-701.	John O. Bailey	-- Daugherty	1948	130	16	68	Qal Rg	3,558	8	Aug. 3, 1948	T, G	Irr	Abandoned. Reported yield 1,200 gpm. Observation well. <u>3</u>
* 703	City of El Paso	Public Service Board	1959	--	6-3/4	--	--	3,560	--	--	N	N	Abandoned test hole. <u>2</u>
704	John O. Bailey	Miller Drilling Company	1952	179	18	179	Qal Rg	3,561	5.05	Mar. 9, 1953	T, G	Irr	Slotted from 40-174 ft. Gravel packed. Pump set at 100 ft. Estimated yield 1,200 gpm. <u>1</u>
705	do	Fred Scroggins	1959	150	16	150	Qal Rg	3,559	6.8	Feb. 23, 1962	T, G	Irr	Slotted from 40-150 ft. Gravel packed. Pump set at 100 ft. Reported yield 1,100 gpm.
706	do	--	1965	130	12	--	Qtal 6	3,580	25.02	Nov. 6, 1973	N	Irr	Not used. Gravel packed.
708	George Kurita Well 2	--	1968	140	16-5/8	140	Qal Rg	3,559	6.50	Nov. 5, 1973	T, C	Irr	Slotted from 40-140 ft. Gravel packed. Pump set at 70 ft.
709	Jesus Cano	-- Schieffer	--	150	17	--	Qal Rg	3,561	4.92	Nov. 6, 1973	T, G	Irr	Gravel packed.
710	do	--	--	--	16	--	Qal Rg	3,560	5.95	do	N	N	Not used. Gravel packed.
49-03-303	D. Greenwood	Wheeler Cass	1965	80	16	80	Qal Rg	3,787	11.20	Dec. 29, 1967	T, G	Irr	Perforated from 35-80 ft. Yield 1,400 gpm. <u>3</u>
317	M. Baca	--	--	103	16	--	Qal Rg	3,782	5.63	Jan. 11, 1952	T, G	Irr	<u>3</u>
* 321	D. Greenwood	Boyd & Ewing	1951	122	22	122	Qal Rg	3,789	11.56	Jan. 13, 1959	T, G	Irr	Slotted from 42-122 ft. Gravel-walled. Pump set at 70 ft. Reported yield 2,060 gpm. Temp. 70°F. <u>4</u>
* 322	U.S. Geological Survey	B & W Drilling Company	1953	1,206	6	--	Qtal 8	3,787	12.8	Feb. 13, 1953	N	N	Test well. Electric log and drill-stem tests indicate fresh water extends to depth of well. <u>1</u> <u>2</u>
* 908	H. C. Mandell	George McKenzie	1951	125	16	125	Qal Rg	3,763	--	--	T, Ng	Irr	Perforated from 74-125 ft. Temp. 71°F. <u>4</u>
911	A. Appenzoller	--	1950	--	--	--	--	3,760	--	--	T, Ng	Irr	<u>4</u>
912	C. M. Tailmon	George McKenzie	1951	100	16	100	Qal Rg	3,760	13.65	Mar. 26, 1952	T, G	Irr	Perforated from 52-100 ft. Pump set at 80 ft. <u>3</u> <u>4</u>
913	Will Holt	do	1952	104	20	104	Qal Rg	3,765	7.7	Jan. 13, 1959	T, G	Irr	Perforated from 44-104 ft. Pump set at 80 ft. Gravel-walled. <u>4</u>
914	H. L. Cordell	Wheeler Cass	--	130	16	--	Qal Rg	3,768	10.2	Mar. 15, 1975	T, Ng	Irr	Pump set at 80 ft. Gravel-walled. <u>3</u>
* 915	O. C. Cole	George McKenzie	1951	72	--	--	Qal Rg	3,761	9.62	Feb. 19, 1953	T, Ng	Irr	Gravel-walled. Yield 1,000 gpm. Temp. 67°F. <u>4</u>
916	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1945	20	2-1/2	20	Qal Rg	3,756	6.7	Mar. 18, 1975	N	N	Auger hole, galvanized iron casing. Observation well.
919	Will Holt	--	--	--	--	--	--	3,766	5.8	Dec. 1976	T, Ng	Irr	<u>4</u>
920	do	--	--	--	9	--	--	3,767	--	--	T, Ng	Irr	--
921	do	--	--	--	--	--	--	3,761	--	--	T, Ng	Irr	<u>4</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-03-922	Fred Weldon	--	--	100	--	--	Qal Rg	3,766	--	--	--	D	Temp. 68°F.
04-101	City of Anthony Well 1	Layne-Texas Company	1954	277	10-3/4	277	Qtal 8	3,860	69.5	--	T, E	P	Screened from 145-160, 205-230, and 240-265 ft. Drawdown reported 38 ft after pumping 350 gpm. Supply used for standby.
102	City of Anthony Well 2	do	1954	260	10-3/4	260	Qtal 8	3,850	79.0	--	T, E	P	Screened from 147-170, 221-226, and 239-254 ft. Drawdown reported 36 ft after 3 hours pumping 300 gpm. Drilled to 287 ft and plugged back to 260 ft. Supply used for standby. <u>1</u>
*	103	Mountain Pass Canning Company	1965	559	20 14	-- --	Qtal 8	3,792	49.0	July 21, 1965	T, E	Ind	Yield 2,400 gpm. <u>2</u>
*	104	City of El Paso Well 203	1956	1,150	24 18 12	646 500 1,150	Qtal 8	3,778	24.88 141.85	Aug. 5, 1957 Jan. 22, 1974	T, E	P	Screened from 650-1,150 ft. Drawdown 100 ft after 24 hours pumping 2,500 gpm on Aug. 12, 1957. Pump set at 150 ft. Drilled to 1,160 ft, deepened to 1,277 ft, and plugged back to 1,150 ft. Temp. 94°F. <u>1</u> <u>2</u> <u>3</u>
*	105	City of El Paso Well 204	1956	950	--	--	Qtal 8	3,775	39.3 37.86	May 26, 1958 Feb. 16, 1973	T, E	P	Screened from 544-950 ft, underreamed from 535-950 ft. Drawdown 104 ft after 36 hours pumping 2,020 gpm on May 28, 1958. Drilled to 1,230 ft and plugged back to 950 ft. Temp. 91°F. <u>1</u> <u>2</u> <u>3</u>
*	106	City of El Paso Well 202	1956	1,090	24 18 12	576 544 1,090	Qtal 8	3,774	6.77 64.18	Aug. 28, 1951 Jan. 22, 1974	T, E	P	Screened from 544-1,090 ft. Drawdown 97 ft after 96 hours pumping 2,045 gpm on June 15, 1957. Pump set at 150 ft. Drilled to 1,262 ft and plugged back to 1,090 ft. Temp. 95°F. <u>1</u> <u>2</u> <u>3</u>
*	107	City of El Paso Well 301	1957	550	18	550	Qtal 8	3,774	14.55 28.82	Aug. 26, 1957 Jan. 22, 1976	T, E	P	Screened from 285-550 ft. Drawdown 157 ft after 24 hours pumping 2,200 gpm on Sept. 5, 1957. Temp. 81°F. <u>3</u>
*	109	City of El Paso Well 205	1957	1,705	--	--	Qtal 8	3,790	--	--	N	N	Test well. <u>1</u> <u>2</u>
	110	City of El Paso Well 309	1964	527	24 18	200 506	Qtal 8	3,784	29.9 21.12	Sept. 17, 1964 Jan. 22, 1976	T, E	P	Screened from 209-506 ft. Drawdown 104 ft after 24 hours pumping 2,100 gpm on Sept. 17, 1964. <u>3</u>
*	111	City of El Paso	1966	1,061	4-1/2	1,061	Qtal 8	3,776	58.7 41.90	May 26, 1966 July 22, 1977	N	N	Slotted from 740-860 and 980-1,061 ft. Observation well. <u>2</u> <u>3</u>
	112	City of El Paso Well 114	1960	260	24 18	80 260	Qtal 8	3,795	25.39 23.37	Nov. 28, 1966 Mar. 4, 1977	N	N	Screened from 90-260 ft and 36-in. underream from 80-260 ft. Measured yield 800 gpm on Feb. 3, 1960. <u>3</u>
	113	City of El Paso Well 206	1960	1,206	24 18 12-3/4	-- -- --	Qtal 8	3,783	48.08 58.36	May 2, 1960 Jan. 22, 1976	T, E	P	Drawdown 93 ft after 24 hours pumping 2,090 gpm on May 2, 1960. Temp. 95°F. <u>3</u>
*	114	U.S. Bureau of Prisons Well 4	1937	252	24 12	155 252	Qtal 8	3,880	97.47 100.9	Oct. 12, 1937 Jan. 16, 1952	T, E	D, P, Ind	Screened from 158-246 ft and underreamed from 155-252 ft. Gravel-walled. Drawdown 37 ft after 25 hours pumping 660 gpm on Oct. 13, 1937. Temp. 76°F. <u>1</u>
*	115	City of El Paso	1957	202	6	202	Qal Rg	3,776	9.04 17.09	Sept. 21, 1957 July 22, 1977	N	N	Screened from 102-202 ft. Caputillo recorder 4. Observation well. <u>3</u>
	116	do	1964	279	24 18	161 278	Qtal 8	3,781	25.40	July 13, 1964	T, E	P	Screened from 169-278 ft. Drawdown 110 ft after 24 hours pumping 1,225 gpm on July 14, 1964. <u>3</u>
*	117	U.S. Bureau of Prisons	1964	452	18	336	Qtal 8	3,822	90	Dec. 1964	T, E	D, P, Irr	Screened from 146-336 ft. Drawdown 52 ft after 24 hours pumping 1,850 gpm in Dec. 1964. <u>2</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-04-118	U.S. Bureau of Prisons	Wheeler Cass	1952	264	20	264	Qtal 8	3,824	43.88 51.20	June 2, 1952 Jan. 28, 1969	T, E	Irr	Slotted from 40-264 ft. Gravel-walled. Drawdown reported 43 ft after 24 hours pumping 1,783 gpm. Temp. 73°F. <u>3</u>
* 119	City of El Paso	do	1968	50	1-1/2	50	Qtal 8	3,788	14.62 14.77	May 28, 1968 Mar. 4, 1977	N	N	Slotted from 20-50 ft. Observation well. <u>3</u>
120	--	--	--	--	16	--	--	3,786	10.71	Sept. 29, 1975	T	Irr	--
121	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1945	20	2-1/2	20	Qal Rg	3,788	7.2 6.20	Jan. 1946 Dec. 1976	N	N	Auger hole cased with galvanized iron pipe. Observation well.
122	C. C. Woodward	Morrison Brothers	1951	125	18	--	Qal Rg	3,785	9.8 8.79	Jan. 11, 1952 Dec. 28, 1976	N	N	Not used. <u>3</u>
* 123	Emory White	--	1953	100	12	--	Qal Rg	3,787	--	--	N	N	Temp. 70°F.
* 124	Anna L. Andreas	Hayvanor Drilling Company	1951	185	18	185	Qtal 8	3,799	22.90 22.6	Jan. 10, 1952 Jan. 13, 1959	N	N	Abandoned. Casing perforated from 85-185 ft. Temp. 75°F. <u>3</u>
* 125	Charles Davis	--	1936	136	--	--	Qtal 8	3,805	20	--	N	N	Not used. Reported yield 30 gpm.
* 126	do	--	1944	196	4	--	Qtal 8	3,805	35	--	N	N	Abandoned. Reported yield 55 gpm.
127	do	--	--	120	2-1/2	--	Qtal 8	3,795	60	--	N	N	Destroyed.
128	do	--	1934	165	3	--	Qtal 8	3,810	20	--	N	N	Destroyed. Reported yield 30 gpm.
* 129	do	--	1948	104	4	--	Qtal 8	3,820	7	--	N	N	Destroyed. Reported yield 25 gpm.
130	do	--	1938	104	2-1/2	--	Qtal 8	3,820	7	--	N	N	Abandoned. Reported yield 25 gpm.
* 131	U.S. Geological Survey	B & W Drilling Company	1953	620	--	--	Qtal 8	3,862	84.7	Oct. 2, 1953	N	N	Test well. Filled. Electric log and drill-stem tests indicate fresh-water sands extend to 120 ft. Bedrock indicated at 590 ft. <u>2</u>
132	U.S. Bureau of Prisons Well 3	Wheeler Cass	1936	176	12	--	Qtal 8	3,825	44.3 47.10	Oct. 16, 1936 Jan. 10, 1953	N	N	Not used. Drawdown measured 91 ft after 24 hours pumping 495 gpm on Oct. 16, 1936. <u>3</u>
133	U.S. Bureau of Prisons Well 5	Layne-Texas Company	--	250	36	100	Qtal 8	3,883	106.6	Jan. 16, 1952	T, E	D, Ind, Irr	Reported yield 500 gpm.
134	U.S. Bureau of Prisons Well 2	Cass-Layne-Texas	1935	285	12	189	Qtal 8	3,879	98.0 97	Sept. 28, 1935 Aug. 23, 1940	T, E	D, Ind	Drawdown measured 71 ft after 24 hours pumping 219 gpm on Sept. 28, 1937. Well deepened from 219-285 ft in 1940. Reported yield 300 gpm. Temp. 79°F.
* 135	D. & L. Holquin	Morrison Brothers	1950	190	16	--	Qtal 8	3,838	63.35	Apr. 28, 1951	T, E	Irr	Gravel-walled. Estimated yield 1,600 gpm on June 18, 1952. Temp. 80°F.
* 136	Tom Donaldson	do	1950	225	16	225	Qtal 8	3,844	69.14 73.9	do Feb. 12, 1953	T, E	Irr	Drawdown measured 64 ft after pumping 1,170 gpm on July 10, 1953. Pump set at 150 ft. Temp. 79°F.
137	do	Payne & Ballard	1949	100	16	48	Qtal 8	3,822	53.1	Apr. 28, 1951	N	N	Screened from 48-100 ft. Reported yield 600 gpm maximum.
138	Emory White	do	1950	190	14	190	Qtal 8	3,821	49.1 72.58	Jan. 10, 1952 Jan. 10, 1976	N	N	Perforated from 47-190 ft. Pump set at 90 ft. Yield 400 gpm. <u>3</u>
* 139	D. Greenwood	Wheeler Cass	1953	300	20 16	160 300	Qtal 8	3,818	--	--	T, E	Irr	Perforated from 60-200 ft. Gravel-walled. Pumps into surface reservoir. Temp. 82°F.
* 140	M. R. Hemley	Rayford Guffey	1951	135	18	150	Qal Rg	3,781	16.29 9.2	Aug. 28, 1951 Jan. 13, 1959	N	N	Perforated from 20-135 ft. Gravel-walled. Drilled to 150 ft and plugged back to 135 ft. Temp. 68°F. <u>3</u> <u>4</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks	
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement				
El Paso County--Continued														
JL-49-04-141	Gus Eminger	George McKenzie	1951	122	16	121	Qal Rg	3,778	5.16 7.3	Jan. 17, 1952 Jan. 13, 1959	T, G	Irr	Perforated from 21-121 ft. Gravel-walled. Pump set at 50 ft. Reported yield 800 gpm. Temp. 67°F. <u>y y y</u>	
142	M. R. Hemley	Rayford Guffy	1951	150	18	150	Qal Rg	3,775	6.77 7.2	Aug. 28, 1951 Jan. 13, 1959	N	N	Covered with steel plate. Perforated from 20-150 ft. Drawdown measured 37 ft after 24 hours pumping 1,430 gpm on March 13, 1953. Gravel-walled. Temp. 69°F. <u>y</u>	
*	143	McKee Construction Company	Oliver-Houston	1957	226	12	--	Qcal 8	3,908	139.5	Jan. 15, 1959	N	N	--
	144	Texas Dept. of Highways & Public Transportation	Brown & Ledford	1959	203	6 4	176 203	Qcal 8	3,900	140 150	Nov. 12, 1959 Oct. 1964	Sub, E	P	Screened from 180-190 ft and 199-203 ft. Yield 30 gpm. Highway information and rest stop. <u>y</u>
	145	Mountain Pass Canning Company	Butte Pump Company	1958	300	8	300	Qcal 8	3,785	20	May 1958	T, E	Ind	Emergency use only. Slotted from 250-300 ft. Reported yield 500 gpm.
	146	do	do	1958	300	4	300	Qcal 8	3,785	20	May 1958	N	N	Destroyed. Reported yield 120 gpm.
	147	Border Steel Rolling Mill	Brown & Ledford	1961	229	10 8	229 --	Qcal 8	3,874	128.5 126.4	July 8, 1961 Oct. 30, 1974	N	N	Abandoned. Reported yield 125 gpm.
*	148	Texas Dept. of Highways & Public Transportation	Texas Highway Department	1964	272	6	189	Qcal 8	3,900	146	May 1964	Sub, E	P	Highway information and rest area.
*	149	City of Anthony	Wheeler Cass	1973	705	30 24	340 600	Qcal 8	3,790	41	Nov. 1, 1973	T, E	P	Supplies water to town of Anthony. Slotted from 340-600 ft. <u>y y</u>
*	150	Border Steel Rolling Mill	Layne-Texas Company	1970	486	20 12-3/4	200 430	Qcal 8	3,902	--	--	T, E	Ind	Shutter screen from 209-259, 269-299, 308-348, and 370-420 ft. <u>y</u>
*	151	Mountain States Fisheries, Inc.	--	1973	314	18	--	Qcal 8	3,790	225	1973	Sub, E	Ind	<u>y</u>
	152	Lena Verde Farms, Inc.	--	--	--	18	--	--	3,809	11.47	Mar. 13, 1975	N	N	--
	153	do	--	--	--	16	--	--	3,809	--	--	T, G	Irr	--
	154	Jack Williams	--	--	--	16	--	--	3,785	12.58	Mar. 13, 1975	T, G	Irr	--
	155	--	--	--	--	--	--	--	3,785	--	--	T, G	P	--
	156	J. H. Lama	--	--	--	--	--	--	3,783	--	--	T, G	Irr	--
	157	Lena Verde Farms, Inc.	--	--	--	16	--	--	3,785	4.89	Mar. 20, 1975	T, G	N	--
	158	Mountain Pass Canning Company	--	--	--	--	--	--	3,785	--	--	T, G	N	--
	159	Juan Singh	--	--	--	18	--	--	3,785	8.90 9.99	Oct. 18, 1974 Mar. 19, 1975	T, G	Irr	--
	160	J. O. Martinez	--	--	--	--	--	--	3,785	--	--	T, E	Irr	<u>y</u>
	161	-- Maldonado	--	1967	50	--	--	Qcal 8	3,785	--	--	Sub, E	D	--
	162	Lena Verde Farms, Inc.	--	--	--	16	--	--	3,785	14.24	Mar. 20, 1975	T, G	Irr	--
	163	Texas Dept. of Highways and Public Transportation	--	1970	205	6	205	Qcal 8	3,900	150	Apr. 3, 1970	Sub, E	P	Highway information and rest area. <u>y</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-04-164	--	Agua Drilling Company	1975	--	14 8	-- --	--	3,785	--	--	--	Irr	--
* 165	Proler Steel Company	Cecil Ballard	1974	608	6	548	Qtal 8	3,821	83.94	Jan. 10, 1976	Sub, E	Ind	Slotted from 548-608 ft. Pump set at 210 ft. <u>1</u>
166	do	do	1974	608	6	548	Qtal 8	3,821	83.94	do	Sub, E	Ind	Slotted from 548-608 ft. Pump set at 210 ft.
167	--	--	--	--	16	--	--	3,790	--	--	N	N	Not used.
201	Border Steel Rolling Mill	Layne-Texas Company	1960	602	24 16	-- 440	Qtal 8	±3,900	147	Dec. 2, 1960	T, E	Ind	Screened from 200-300, 320-350, and 390-430 ft. Drawdown measured 45 ft after 24 hours pumping 909 gpm. Temp. 78°F. <u>2</u>
* 202	El Paso Water Control and Improvement District Westway	Wheeler Cass	1960	410	24 12	90 490	Qtal 8	3,980	208.75	Oct. 26, 1960	T, E	P	Screened to 410 ft. Drawdown 100 ft after 4 hours pumping 750 gpm. Measured yield 750 gpm. Temp. 75°F. <u>2</u>
203	Brown Realty Company	Southwest Oil Company	1947	408	7	325	Qtal 8	4,000	200	--	N	N	Oil test. Destroyed. Water reported in sand at 200 ft. Limestone at bottom.
204	U.S. Geological Survey	B & W Drilling Company	1953	320	--	--	Qtal 8	4,111	--	--	N	N	Test well. Filled. No water-bearing sand. Bedrock encountered at 310 ft. <u>1</u>
* 205	State of Texas	Wheeler Cass	1945	517	6 4	130 508	Qtal 8	4,268	467.0	May 7, 1953	W	S	--
206	Paul Stevenson	do	1960	600	4	--	Qtal 8	4,055	260.5	Aug. 8, 1960	N	N	Abandoned. Reported yield 25 gpm. Temp. 78°F.
207	El Paso Water Control and Improvement District Westway	--	--	--	--	--	--	4,065	--	--	Sub, E	P	--
* 401	City of El Paso	City of El Paso	1958	900	18 12	400 900	Qtal 8	3,774	42.8 40.82	July 15, 1958 Jan. 27, 1975	T, E	P	Screened from 510-900 ft and underreamed from 500-900 ft. Drawdown 75 ft after 24 hours pumping 2,150 gpm on Aug. 19, 1953. Originally drilled to 958 ft, deepened to 1,115 ft, and plugged back to 900 ft. Temp. 93°F. <u>1 2 3</u>
* 402	do	do	1956	1,060	24 18 12	578 511 1,060	Qtal 8	3,775	41.05 57.74	Jan. 1972 Mar. 5, 1977	T, E	P	Screened from 586-1,060 ft. Drawdown measured 91 ft after 120 hours pumping 2,498 gpm on Jan. 21, 1957. Drilled to 1,201 ft and plugged back to 1,060 ft. Pump set at 150 ft. Temp. 96°F. <u>1 2 3</u>
* 403	do	Layne-Texas Company	1952	160	30 16	5 155	Qal Rg	3,770	5.48 8.30	Apr. 18, 1952 Mar. 5, 1977	T, E	P	Slotted from 76-155 ft. Measured yield 1,250 gpm on Oct. 9, 1952. <u>1 3</u>
404	do	City of El Paso	1964	405	24 18	213 404	Qtal 8	3,772	25.84 13.77	Aug. 24, 1964 Jan. 22, 1976	T, E	P	Slotted from 220-404 ft. Drawdown measured 86 ft after 24 hours pumping 1,600 gpm on Aug. 24, 1964. <u>3</u>
* 405	do	B. Greenwood	1955	170	38 18	35 170	Qal Rg	3,766	7.11 9.11	Jan. 13, 1956 June 25, 1976	T, E	P	Slotted from 53-170 ft. Measured yield 270 gpm on May 29, 1956. Temp. 71°F. <u>3</u>
* 406	do	Layne-Texas Company	1952	152	30 16	5 150	Qal Rg	3,771	5.63 9.14	Apr. 18, 1952 Mar. 5, 1977	T, E	P	Slotted from 63-150 ft. Drawdown measured 60 ft after 28 hours pumping 1,250 gpm on Apr. 18, 1952. Temp. 75°F. <u>1 2 3</u>
* 407	do	B. Greenwood	1955	200	18	200	Qal Rg	3,772	15.07 9.56	Jan. 13, 1956 Mar. 5, 1977	T, E	P	Screened from 62-200 ft. Production test: 1,270 gpm on May 29, 1956. Temp. 69°F. <u>3</u>
* 408	do	do	1955	200	18	200	Qal Rg	3,767	15.5 9.55	Nov. 23, 1955 Mar. 5, 1977	T, E	P	Perforated from 61-200 ft. Yield 1,225 gpm on May 29, 1956. Temp. 69°F. <u>3</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-04-409	City of El Paso	B. Greenwood	1955	156	20 18	38 156	Qal Rg	3,770	10.7 7.30	June 3, 1955 Mar. 5, 1977	T, E	P	Slotted from 37-156 ft. Measured yield 1,380 gpm on June 19, 1956. Temp. 77°F. <u>3</u>
410	do	City of El Paso	1961	461	24 18	244 444	Qtal 8	3,770	12.23 10.35	Mar. 8, 1961 Mar. 5, 1977	T, E	P	Drawdown measured 75 ft after 8 hours pumping 1,200 gpm on Mar. 8, 1961. Temp. 89°F. <u>2 3</u>
* 411	do	B. Greenwood	1955	194	38 18	39 194	Qal Rg	3,767	14.4 12.01	Dec. 6, 1955 June 25, 1976	T, E	P	Screened from 60-194 ft. Drawdown measured 17 ft after 24 hours pumping 580 gpm on Dec. 7, 1955. Temp. 72°F. <u>3</u>
* 412	do	Layne-Texas Company	1952	160	24 16	47 160	Qal Rg	3,770	5.51 9.41	Apr. 18, 1952 Mar. 5, 1977	T, E	P	Slotted from 59-121 and 140-160 ft. Measured yield 1,260 gpm on Oct. 16, 1952. Temp. 84°F. <u>2 3</u>
* 413	do	do	1952	160	30 16	5 160	Qal Rg	3,765	2.9 6.70	Apr. 25, 1952 Mar. 4, 1977	T, E	P	Slotted from 76-155 ft. Measured yield 1,150 gpm on Oct. 3, 1952. Gravel-walled. Temp. 76°F. <u>1 2 3</u>
* 414	do	B. Greenwood	1955	200	38 18	38 200	Qal Rg	3,765	8.4 6.67	Jan. 13, 1956 Mar. 4, 1977	T, E	P	Slotted from 62-200 ft. Yield 1,270 gpm on May 29, 1956. Temp. 72°F. <u>3</u>
* 415	do	George McKenzie	1951	122	24	122	Qal Rg	3,769	5.80 7.38	Jan. 10, 1952 Mar. 4, 1977	T, E	P	Slotted from 52-62 and 72-122 ft. Yield 970 gpm on Oct. 1, 1952. <u>1 2 3</u>
* 416	do	City of El Paso	1957	1,013	6	1,013	Qtal 8	3,768	19.31 35.26	Sept. 12, 1957 July 22, 1977	N	N	Screened from 528-1,013 ft. Canutillo recorder 3. Observation well. <u>1 2 3 4</u>
* 417	U.S. Geological Survey	B & W Drilling Company	1957	200	6	951	Qal Rg	3,768	9.87 33.09	May 29, 1954 July 22, 1977	N	N	Drilled to 951 ft in 1953, filled to 19 ft, and redrilled to 200 ft in 1957. Electric log and drill-stem tests indicate fresh water extends from 207-560 ft. Observation well-recorder. <u>1 2 3</u>
* 418	City of El Paso	City of El Paso	1961	545	6	545	Qtal 8	3,770	12.65 46.93	Feb. 20, 1963 July 22, 1977	N	N	Slotted from 445-545 ft. Drilled to 937 ft and plugged back to 545 ft. Observation well. <u>3</u>
* 419	do	do	1957	1,050	6	1,050	Qtal 8	3,773	16.88 42.07	Jan. 25, 1957 July 22, 1977	N	N	Screened from 585-1,050 ft. Drilled to 1,072 ft and plugged back to 1,050 ft. Canutillo recorder 2. Observation well. <u>1 2 3</u>
* 420	do	Layne-Texas Company	1952	202	30 16	5 155	Qal Rg	3,771	6.50 12.26	Apr. 18, 1952 Mar. 5, 1977	T, E	P	Slotted from 73-150 ft. Measured yield 1,000 gpm on Oct. 9, 1952. Gravel-walled. Temp. 72°F. <u>1 2 3</u>
421	do	City of El Paso	1961	1,102	24	550	Qtal 8	3,771	7.64 9.73	Sept. 26, 1961 Jan. 27, 1975	T, E	P	Screened from 356-550 ft. Drawdown 87 ft after 8 hours pumping 1,600 gpm on Sept. 11, 1961. Temp. 85°F. <u>2 3</u>
422	do	do	1963	390	24 18	150 390	Qtal 8	3,773	22.08 22.65	Mar. 6, 1963 Jan. 22, 1976	T, E	P	Screened from 198-390 ft. Drawdown 152 ft after 24 hours pumping 2,500 gpm on Mar. 7, 1963. <u>3</u>
* 423	do	do	1964	200	24 18	80 200	Qal Rg	3,778	15.07 13.38	Oct. 21, 1964 Mar. 4, 1977	T, E	P	Slotted from 100-200 ft. Yield 600 gpm. <u>3</u>
* 424	do	do	1964	200	24 18	80 200	Qal Rg	3,777	15.15 13.89	Oct. 21, 1964 Mar. 4, 1977	T, E	P	Screened from 100-200 ft. Yield 825 gpm. <u>3</u>
425	do	do	1964	447	24 18	232 440	Qtal 8	3,777	40.20 30.93	Oct. 6, 1964 Jan. 22, 1976	T, E	P	Screened from 242-440 ft. Drawdown 96 ft after 24 hours pumping 1,500 gpm on Oct. 6, 1964. Temp. 81°F. <u>3</u>
* 426	do	do	1964	200	24 18	80 200	Qal Rg	3,777	10.57 8.54	Oct. 21, 1964 Mar. 4, 1977	T, E	P	Slotted from 100-200 ft. Yield 1,200 gpm. <u>3</u>
427	do	do	1964	467	24 18	220 461	Qtal 8	3,774	39.25 21.37	June 17, 1964 Jan. 22, 1976	T, E	P	Slotted from 230-461 ft. Drawdown 118 ft after 12 hours pumping 1,800 gpm on June 17, 1964. <u>3</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-04-428	City of El Paso	City of El Paso	1964	200	24 18	80 200	Qal Rg	3,764	8.17 4.52	Oct. 21, 1964 Mar. 4, 1977	T, E	P	Slotted from 100-200 ft. Yield 1,065 gpm. <u>3</u>
* 429	do	Wheeler Cass	1968	50	1-1/2	50	Qal Rg	3,780	7.79 7.46	May 16, 1968 June 5, 1974	N	N	Destroyed. Observation well. <u>3</u>
* 430	do	do	1968	50	1-1/2	50	Qal Rg	3,770	7.25 5.87	May 16, 1968 Mar. 5, 1977	N	N	Slotted from 20-50 ft. Observation well. <u>3</u>
* 431	do	do	1968	50	1-1/2	50	Qal Rg	3,770	7.18 7.55	May 23, 1968 Mar. 5, 1977	N	N	Do.
432	PRR Stock Farm	do	1965	200	16	200	Qal Rg	3,776	18	Jan. 1965	T, E	Irr	Perforated from 100-200 ft. Yield 1,700 gpm.
* 434	Emilio Chavez	--	1951	160	24	--	Qal Rg	3,775	10.3 8.75	Feb. 16, 1953 Mar. 17, 1975	T, G	Irr	Perforated from 80-160 ft. Temp. 68°F. <u>4</u>
435	E. and V. Holquin	B. Greenwood	1954	150	20	150	Qtal 8	3,790	8.67	May 3, 1955	T, G	Irr	Slotted from 40-120 ft.
* 436	M. Hernandez, V. M. Gomez	--	--	190	12	190	Qtal 8	3,820	54.13 71.72	Jan. 10, 1952 Feb. 17, 1977	T, E	Irr	Perforated from 47-190 ft. Reported yield 800 gpm. Temp. 90°F. <u>3</u>
* 437	Baxter Carruth	-- Beule	1952	131	8	131	Qtal 8	3,824	--	--	T, E	D, Irr	Perforated from 50-131 ft. Temp. 82°F.
* 438	E. and V. Holquin	Morrison Brothers	1952	142	16	142	Qtal 8	3,825	61.40 76.10	Apr. 28, 1951 Mar. 17, 1975	T, E	Irr	Perforated from 40-142 ft. Reported yield 1,440 gpm. Drilled to 160 ft and plugged back to 142 ft. Temp. 82°F. <u>3</u>
439	Donald Keily	--	1952	--	10	--	--	3,845	76.99 101.62	Feb. 12, 1953 Dec. 28, 1976	T, E	Irr	<u>3</u>
440	M. Hernandez, V. M. Gomez	Morrison Brothers	1953	170	16	170	Qtal 8	3,835	61.45 75.75	Mar. 13, 1953 Mar. 17, 1975	T, E	Irr	Perforated from 90-170 ft.
* 441	U.S. Geological Survey	B & W Drilling Company	1953	874	--	--	Qtal 8	3,900	134.5	Aug. 28, 1953	N	N	Test well. Filled. Electric log and drill stem tests indicate fresh water extends to 434 ft. <u>1/2</u>
* 442	Ted White	Mountain Drilling Company	1953	160	16	--	Qtal 8	3,830	60.85 74.44	Mar. 13, 1953 Mar. 17, 1975	T, E	Irr	Gravel-walled. Temp. 85°F.
443	Parker	--	1951	62	2	62	Qtal 8	3,796	31.25	Aug. 29, 1952	N	N	Not used. Drilled to 65 ft and plugged back to 62 ft.
* 444	L. D. Snell	--	--	35	2-1/2	--	Qtal 8	3,780	--	--	N	N	Abandoned.
445	City of El Paso	--	--	112	2-1/2	--	Qal Rg	3,766	3.47 5.0	Feb. 28, 1952 Nov. 18, 1958	N	N	Abandoned. Observation well. <u>3</u>
446	do	--	--	90	2-1/2	--	Qal Rg	3,767	3.16 3.6	Feb. 28, 1952 Feb. 28, 1958	N	N	Do.
447	do	--	--	--	1-1/2	--	Qal Rg	3,766	3.11 2.6	May 29, 1952 June 3, 1955	N	N	Not used. Observation well. <u>3</u>
448	Sam B. Gillette, Jr.	Rayford Guffy	1951	117	16	--	Qal Rg	3,768	7.75 8.1	Jan. 10, 1952 Jan. 14, 1959	N	N	Pump set at 70 ft. Very rough shale from 88-157 ft interbedded with thin lenses of sand. Drilled to 157 ft and plugged back to 117 ft. Gravel-walled. Covered with steel plate. <u>3</u>
450	-- Dunlap	--	1955	125	--	--	Qal Rg	3,766	11.33 6.9	Dec. 19, 1955 Jan. 14, 1959	T, E	Irr	<u>3</u>
451	A. D. Martinez	--	1955	98	20	--	Qal Rg	3,775	8.1 7.65	Aug. 17, 1958 Oct. 17, 1958	T, Ng	Irr	Pump set at 50 ft. Yield 2,000 gpm. Temp. 66°F.

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-04-452	McKee Construction Company	Oliver-Houston	1957	204	12	204	Qtal 8	3,869	112.60 115.50	Jan. 10, 1958 Nov. 1959	N	N	Slotted from 164-204 ft. Yield 350 gpm. Was used for highway construction. <u>3</u>
453	--	--	--	--	--	--	--	--	--	--	C, W	D	--
454	John Livingston	--	--	--	10	--	--	3,775	--	--	Sub, E	Irr	--
455	do	--	--	--	12 8	--	--	3,775	14.25	Apr. 25, 1975	N	N	--
456	R. Sanders	--	--	180	--	--	Qal Rg	3,775	--	--	--	D	Temp. 68°F.
457	John Livingston	Agua Drilling Company	1974	175	--	--	Qal Rg	3,773	--	--	--	D	Temp. 73°F.
458	T. T. and E. M. Freeman	--	--	--	--	--	--	3,770	41 112	Aug. 11, 1972 Oct. 17, 1974	--	Irr	Temp. 68°F. <u>4</u>
459	Ann Powers	--	--	189	--	--	Qtal 8	3,850	--	--	--	D	Temp. 68°F.
* 501	U.S. Geological Survey	B & W Drilling Company	1953	320	--	--	Qtal 8	4,023	217.8	Aug. 31, 1953	N	N	Test well. Filled. Bedrock at 290 ft. Electric log and drill-stem tests indicate fresh-water sands extend to bottom. <u>1</u> <u>2</u>
502	Luis Bobadillo	J. S. Merriwether, et al.	1945	1,578	6 4	--	Qtal 8	4,026	--	--	N	N	Oil test. Filled. <u>1</u>
503	Tristate Oil Company	Tristate Oil Company	1934	3,401	18 10 6 5	--	Qtal 8	4,160	--	--	N	N	Do.
504	Southwest Oil Company	do	1935	3,571	--	--	Qtal 8	4,160	250	--	N	N	Oil test. Filled.
* 505	McKee Construction Company	Oliver-Houston	1957	224	12	--	Qtal 8	3,906	146.48	Feb. 11, 1959	N	N	Used during highway construction.
506	do	do	1957	224	12	--	Qtal 8	3,837	97.9 97.25	Oct. 17, 1958 Jan. 15, 1959	N	N	Do.
701	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1945	20	2-1/2	20	Qal Rg	3,757	6.3 5.5	Jan. 1946 Dec. 1976	N	N	Auger hole cased with galvanized iron pipe. Observation well.
* 702	Barry Hagedon	Wheeler Cass	1951	140	16	140	Qal Rg	3,753	4.31 3.32	Jan. 16, 1953 Mar. 18, 1975	T, Ng	Irr	Slotted from 40-140 ft. Pump set at 90 ft. Temp. 67°F. <u>3</u>
* 704	City of El Paso	do	1968	50	1-1/2	50	Qal Rg	3,759	4.48 3.14	May 16, 1968 June 25, 1976	N	N	Slotted from 20-50 ft. Observation well. <u>3</u>
705	Mountain Pass Canning Company	J. Morales	1957	160	8	--	Qtal 8	3,768	--	--	N	N	Destroyed.
706	Nellie Morse	--	--	--	20	--	--	3,765	8.37	Mar. 18, 1975	T, Ng	Irr	--
* 707	R. A. Gardner	George McKenzie	1952	178	16	178	Qal Rg	3,762	6.95 7.76	Oct. 23, 1974 Mar. 18, 1975	T, Ng	Irr	Screened from 58-118 ft and 142-178 ft. Pump set at 100 ft. Gravel-walled. <u>1</u>
708	W. L. Seymour	do	--	72	16	72	Qal Rg	3,760	--	--	T, Ng	Irr	Perforated from 16-72 ft. Discharge reported 800 gpm. Pump set at 50 ft. <u>1</u> <u>4</u>
709	do	do	1951	70	--	--	Qal Rg	3,761	--	--	N	N	Destroyed. <u>1</u> <u>4</u>
710	R. A. Gardner	Boyd & Ewing	1951	100	16	--	Qal Rg	3,759	9.0	Feb. 19, 1953	T, Ng	Irr	Perforated from 20-100 ft. Pump set at 80 ft.

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of Land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-04-711	Steve Cone	Remedial Oil Service	1951	141	18	141	Qal Rg	3,763	5.66 7.06	Aug. 31, 1951 Mar. 18, 1975	T, G	Irr	Perforated from 41-141 ft. Pump set at 90 ft. Yield 2,816 gpm. <u>3 4</u>
712	El Dorado Farm	George McKenzie	1951	116	18	116	Qal Rg	3,764	8.72 5.88	June 11, 1952 Mar. 18, 1975	T, Ng	Irr	Slotted from 55-115 ft. Drawdown reported 45 ft pumping 2,780 gpm. Pump set at 90 ft. Gravel-walled. <u>1 3 4</u>
713	V. M. Fike	-- Ledford	1950	83	6	--	Qal Rg	3,814	54.96	Jan. 11, 1952	J, E	D, S, Irr	--
* 714	Vinton School District	--	--	167	--	--	Qal Rg	3,810	--	--	J, E	D, P, Irr	Dug to 47 ft. Supplies school at Canutillo.
715	--	--	--	--	--	--	--	3,772	--	--	N	N	Abandoned.
* 716	U.S. Geological Survey	B & W Drilling Company	1953	550	--	--	Qtal 8	3,819	64.0	Aug. 9, 1953	N	N	Test well. Filled. Electric log and drill-stem tests indicate fresh water extends to 150 ft. <u>1 2</u>
717	Nick Abraham	George McKenzie	1951	129	16	129	Qal Rg	3,763	6.52	June 11, 1952	T, Ng	Irr	Reported yield 1,200 gpm. Temp. 68°F. <u>4</u>
* 718	Indar Singh	Wheeler Cass	1951	150	20	150	Qal Rg	3,758	7.48 5.76	Mar. 26, 1952 Jan. 14, 1976	T, Ng	Irr	Slotted from 40-150 ft. Pump set at 90 ft. Reported yield 1,200 gpm. <u>3 4</u>
* 719	do	Remedial Oil Service	--	128	16	--	Qal Rg	3,761	6.49	Apr. 28, 1951	N	N	Reported yield 1,170 gpm. Formerly used for irrigation.
* 720	Victor Hlavacek	-- Beule	1951	62	3	--	Qtal 8	3,780	18	--	Gf, E	D	--
* 721	Vicente Arias	--	--	80	2-1/2	--	Qtal 8	3,788	--	--	J, E	D	--
722	J. Brewington	--	--	--	9	--	--	3,782	31.16 30.1	Apr. 28, 1951 June 12, 1958	N	N	Casing filled. <u>3</u>
* 723	--	--	1922	1,074	12	--	Qtal 8	3,757	--	--	N	N	Capped. Reported to have flowed when drilled. Bedrock encountered at 822 ft. Known as the Lippincott well. <u>1</u>
* 724	Jose Roque	George McKenzie	--	124	16	--	Qal Rg	3,757	7.47 6.45	Feb. 18, 1953 Mar. 18, 1975	T, Ng	Irr	Perforated from 47-124 ft. Gravel-walled. Yield 1,500 gpm. <u>1 3 4</u>
* 725	Manuel Urioste	--	1954	150	10	150	Qtal 8	3,810	65	Feb. 1954	T, E	D	Reported yield 1,600 gpm.
* 726	City of El Paso	--	--	--	18	--	--	3,760	6.05	Dec. 29, 1967	N	N	Abandoned.
727	J. J. Ulmer, Jr.	--	--	--	16	--	--	3,767	8.99	Mar. 17, 1975	T, E	Irr	<u>4</u>
* 728	Gaslight Square Mobile Home Park	Layne-Texas Company	1970	377	16 8-5/8	100 170	Qtal 8	3,810	--	--	T, E	D	Slotted screen from 105-165 ft. <u>1 2</u>
729	J. J. Ulmer	--	--	--	16	--	--	3,766	8.43	Mar. 18, 1975	T, E	Irr	--
730	Will Holt	--	--	--	16	--	--	3,766	9.30	do	T, Ng	Irr	--
731	Eleanor K. Hearnnes	--	--	--	20	--	--	3,766	--	--	T, Ng	Irr	--
732	W. B. Spinks	--	--	--	--	--	--	3,766	--	--	T, Ng	Irr	--
733	Radford Pinckard	--	--	--	16	--	--	3,765	--	--	T, Ng	Irr	<u>4</u>
734	Joel Crump	--	--	--	18	--	--	3,763	2.24	Mar. 18, 1975	T, G	Irr	<u>4</u>
735	A. Duran	--	--	--	20	--	--	3,766	--	--	T, E	N	--

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-04-736	W. E. Jackson	--	--	--	12	--	--	3,766	--	--	T, Ng	N	--
737	Will Holt	--	--	--	16	--	--	3,757	6.66	Mar. 24, 1975	T, G	Irr	4/
738	--	--	--	--	16	--	--	3,765	--	--	T, E	Irr	Temp. 68°F.
739	D. Karam	-- Morales	1973	150	4	--	Qal Rg	3,763	--	--	T, E	D	Temp. 78°F.
740	Steve Cone	--	1968	102	--	--	Qal Rg	3,763	--	--	Cf, E	D	Temp. 73°F.
741	do	--	1974	105	--	--	Qal Rg	3,763	--	--	--	D	Temp. 67°F.
801	Texas Dept. of Highways and Public Transportation	Schieffer Drilling Company	1963	315	12-3/4	315	Qtal 8	3,892	78.0	Mar. 19, 1975	T, G	Ind	Slotted from 126-315 ft. Used for road construction. 2/
901	El Paso County	K. Wheeler	1967	860	8	--	--	4,760	700	Dec. 1967	N	N	Filled and abandoned. Reported yield 15 gpm.
05-101	--	--	--	--	6	--	--	4,622	133.1	Oct. 16, 1957	N	N	Not used.
* 201	City of El Paso	City of El Paso	1958	631	24 18 12	-- -- --	Qtal 6	4,060	348.92	Jan. 6, 1959	T, E	Ind	Measured yield 1,480 gpm. 2/
* 202	do	do	1958	625	24 18 12	-- -- --	Qtal 6	4,051	333.98 363.1	Jan. 19, 1958 Jan. 1974	T, E	Ind	Drilled to 725 ft and plugged back to 625 ft. Yield 1,356 gpm. Temp. 81°F. 2/ 3/
203	El Paso Electric Company	do	--	1,483	--	1,188	Qtal 6	4,049	339.0	Oct. 26, 1959	N	N	Used for disposal of blow-off water. Stainless steel screen from 990-1,188 ft. Base of fresh water at 840 ft. Temp. 94°F.
* 204	City of El Paso	do	1959	515	24 18	345 515	Qtal 6	4,044	331.58 357.20	Jan. 5, 1960 Feb. 2, 1977	T, E	P	Slotted from 359-515 ft. Pump set at 40 ft. Plugged back to 515 ft. Base of fresh water at 620 ft in test hole. 1/ 2/ 3/
* 205	do	C. R. Jensen	1940	1,018	4	520	Qtal 6	4,042	317.71 346.37	May 27, 1940 Jan. 15, 1976	N	N	Slotted from 419-520 ft. 1/ 2/
* 206	U.S. Geological Survey	B & W Drilling Company	1953	1,200	--	--	Qtal 6	4,125	379.0	July 22, 1953	N	N	Test well. Filled and abandoned. Electric log and drill-stem tests indicate fresh-water sands extend to 700 ft. 1/ 2/
207	City of El Paso	City of El Paso	1958	1,210	6-3/4	--	Qtal 6	4,114	402	Oct. 27, 1958	N	N	Plugged and abandoned. Brackish water (Cl = 280 mg/l) at 590 ft. Electric log indicates fresh water to depth of 535 ft. 2/
* 208	do	do	1962	665	24 18	366 665	Qtal 6	4,064	359.22	Aug. 6, 1962	T, E	Ind	Screened from 376-665 ft. Drawdown 37 ft after 6-1/2 hours pumping 1,227 gpm on Aug. 7, 1962. Drilled to 825 ft and plugged back to 665 ft. Base of fresh water at 740 ft. Temp. 81°F.
209	do	do	1963	878	--	--	Qtal 6	4,109	409	Sept. 13, 1963	N	N	Test well. Filled. 2/
210	Wholesome Dairy	--	--	700	10	--	Qtal 6	4,247	508	June 1954	C, W	S	--
211	City of El Paso	City of El Paso	1959	91	41	--	Qtal 6	4,130	--	--	N	N	Filled. Completed in dry sand and gravel. Recharge shaft.
* 212	El Paso Electric Company Well 6	do	1975	839	24 16	361 839	Qtal 6	4,047	346.0	Feb. 1975	T, E	Ind	Slotted from 463-839 ft. Drawdown 28 ft after 24 hours pumping 1,600 gpm.
* 213	El Paso Electric Company Well 7	do	1975	875	24 16	364 875	Qtal 6	4,030	340.1	do	T, E	Ind	Slotted from 445-875 ft. Drawdown 34 ft after 24 hours pumping 1,800 gpm.

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-05-301	City of El Paso	City of El Paso	1958	671	24 18 12	314 505 671	Qtal 6	4,018	316.4 341.21	June 13, 1960 Feb. 2, 1977	T, E	P	Slotted from 320-505 ft and 507-671 ft. Drawdown 37 ft after 8 hours pumping 1,600 gpm on June 16, 1960. <u>1</u> <u>2</u> <u>3</u>
302	El Paso Natural Gas Company	Folk & Bassett	1947	771	10	--	Qtal 6	4,028	--	--	T, E	N	Not used. Pump sands. <u>1</u>
303	Price's Dairy	Layne-Texas Company	1955	870	24 18 12	-- -- --	Qtal 6	4,044	338 364	May 16, 1955 May 16, 1963	T, E	Irr	Drawdown 62 ft after 24 hours pumping 1,300 gpm on May 16, 1955. Drilled to 1,012 ft; cement plug from 870-902 ft. Base of fresh water at 603 ft. <u>2</u>
* 304	do	do	1955	753	24 18 12	-- -- --	Qtal 6	4,055	338	July 15, 1955	T, E	Irr	Drawdown 61 ft after 24 hours pumping 1,300 gpm on July 1, 1955. Drilled to 875 ft and plugged back to 753 ft. Temp. 79°F.
* 305	City of El Paso	City of El Paso	1965	834	24 18	364 499	Qtal 6	4,055	352.4	Sept. 23, 1965	T, E	Ind	Screened from 374-499 ft. Drawdown 54 ft after 7-1/2 hours pumping 1,200 gpm on Sept. 23, 1965. Temp. 79°F. <u>2</u>
* 306	do	do	1965	603	24 18	370 603	Qtal 6	4,054	364.02 364.97	Aug. 5, 1965 Feb. 8, 1977	T, E	P	Screened from 391-603 ft. Drawdown 77 ft after 12 hours pumping 1,200 gpm on Aug. 6, 1965. Drilled to 1,100 ft and plugged back to 603 ft. <u>1</u> <u>2</u> <u>3</u>
307	El Paso Natural Gas Company	Layne-Texas Company	1958	650	20 12	-- --	Qtal 6	--	--	--	T, E	Ind	Screened from 423-650 ft.
308	City of El Paso	City of El Paso	1965	701	--	--	Qtal 6	4,062	367	Apr. 28, 1965	N	N	Test hole. <u>2</u>
* 309	do	do	1965	795	4	660	Qtal 6	4,025	312.0 350.88	Oct. 15, 1965 Jan. 1974	C, W	D, S	Slotted from 510-550 ft and 610-650 ft. <u>2</u> <u>3</u>
310	U.S. Geological Survey	B & W Drilling Company	1953	950	--	--	Qtal 6	4,061	347.2	May 26, 1953	N	N	Test hole. Filled. Electric log and drill-stem tests indicate fresh-water sands extend to 380 ft. <u>1</u> <u>2</u>
311	El Paso Natural Gas Company	George McKenzie	1951	750	--	--	Qtal 6	4,060	337	Oct. 2, 1951	T, E	Ind	Pump set at 540 ft. Reported yield 150 gpm.
312	do	--	--	630	--	--	Qtal 6	4,031	340.2	June 12, 1953	T, E	Ind	Slotted from 405-435 ft, 474-504 ft, and 555-615 ft. Reported yield 150 gpm.
313	Price's Dairy	--	--	360	5	--	Qtal 6	4,008	291.6 298.1	Aug. 9, 1935 Jan. 7, 1954	N	N	Filled.
314	El Paso Sand Products Company	--	--	--	20 16 8-1/4	20 185 465	Qtal 6	4,062	385	June 4, 1973	T, E	Ind	Slotted from 385-465 ft.
* 501	City of El Paso	City of El Paso	1956	840	24 12	290 840	Qtal 6	4,003	320 359.88	Dec. 22, 1956 Jan. 7, 1975	T, E	P	Screened from 429-840 ft. Drawdown 77 ft after 24 hours pumping 1,001 gpm on Dec. 22, 1956. <u>2</u> <u>3</u>
* 502	Price's Dairy	C. R. Jensen	1940	1,202	4	567	Qtal 6	4,047	335.60 381.17	Apr. 23, 1940 Feb. 2, 1977	N	N	Test well. Slotted from 342-381 ft, 440-461 ft, 474-492 ft, and 501-524 ft. <u>1</u> <u>3</u>
* 503	City of El Paso	City of El Paso	1963	570	24 18	329 570	Qtal 6	4,029	349.15 374.13	Dec. 6, 1963 Feb. 2, 1977	T, E	P	Slotted from 360-570 ft. Drawdown 94 ft after 24 hours pumping 700 gpm. Temp. 81°F. <u>1</u> <u>3</u>
504	do	--	--	1,152	24 18 12	472 802 1,152	Qtal 6	4,130	470.17 489.55	Jan. 1970 Feb. 4, 1977	T, E	P	Slotted from 481-1,152 ft. <u>1</u> <u>3</u>
* 505	do	City of El Paso	1963	1,150	6 4	1,125 --	Qtal 6	4,202	512.30	Aug. 27, 1963	N	N	Estimated yield 500-600 gpm. Observation well. <u>1</u> <u>2</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface datum (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-05-506	City of El Paso	City of El Paso	1963	737	--	--	Qtal 6	4,128	434	Aug. 29, 1963	N	N	Test well. Filled. <u>2</u>
* 507	U.S. Geological Survey	B & W Drilling Company	1953	1,635	3	630	Qtal 6	4,120	423.08 448.27	Jan. 7, 1954 Jan. 1966	N	N	Test well. Slotted from 610-630 ft. Electric log and drill-stem tests indicate fresh-water sands extend to 1,260 ft. Observation well. <u>1</u> <u>2</u> <u>3</u>
* 508	City of El Paso	C. R. Jensen	1940	788	4	466	Qtal 6	4,048	338.67	June 21, 1940	N	N	Test well. Filled and abandoned. Screened from 446-466 ft. Drill-stem tests indicate fresh-water sands extend to 510 ft. <u>1</u>
* 601	do	City of El Paso	1958	690	24 18 12	335 500 690	Qtal 6	3,999	298.96 330.44	July 7, 1958 Jan. 19, 1976	T, E	P	Slotted from 350-690 ft. Drawdown 51 ft after 24 hours pumping 1,303 gpm on July 22, 1958. Temp. 78°F. <u>1</u> <u>2</u> <u>3</u>
* 602	do	do	--	699	24 18 12	335 502 699	Qtal 6	4,009	308.51 338.30	May 2, 1958 Feb. 8, 1977	T, E	P	Slotted from 354-699 ft. Drawdown 61 ft after 22 hours pumping 1,500 gpm on May 6, 1958. <u>1</u> <u>2</u> <u>3</u>
* 603	do	do	1957	657	24 18 12	326 506 657	Qtal 6	3,987	289.73 358.79	Nov. 15, 1957 Feb. 1, 1977	T, E	P	Slotted from 335-657 ft. Drawdown 44 ft after 68 hours pumping on Nov. 18, 1957. Temp. 79°F. <u>1</u> <u>2</u> <u>3</u>
* 604	do	do	1958	804	24 18 12	281 500 802	Qtal 6	3,973	276.21 313.82	Feb. 13, 1958 Feb. 8, 1977	T, E	P	Slotted from 330-802 ft. Drawdown 23 ft after 8 hours pumping 1,304 gpm on Feb. 13, 1958. Temp. 78°F. <u>1</u> <u>3</u>
* 605	do	--	1960	770	24 18 12	305 543 769	Qtal 6	3,985	300.65 319.72	July 12, 1960 Feb. 8, 1977	T, E	P	Slotted from 324-769 ft. Drawdown 62 ft after 23 hours pumping 2,000 gpm on Aug. 13, 1960. Base of fresh water at 850 ft. Plugged back to 770 ft. <u>2</u> <u>3</u>
* 606	do	City of El Paso	1956	826	24 18 12	293 449 766	Qtal 6	3,962	274 301.65	May 10, 1956 Feb. 2, 1977	T, E	P	Slotted from 310-766 ft. Drawdown 85 ft after 24 hours pumping on May 10, 1956. <u>1</u> <u>2</u> <u>3</u>
* 607	do	do	1959	826	24 18 12	295 505 826	Qtal 6	3,929	244.2 277.20	Nov. 17, 1959 Feb. 8, 1977	T, E	P	Slotted from 308-826 ft. Drawdown 47 ft after 8 hours pumping 1,500 gpm on Nov. 17, 1959. Temp. 76°F. <u>1</u> <u>2</u> <u>3</u>
* 608	do	do	1966	825	12 4	790 825	Qtal 6	3,997	330.05 331.44	June 2, 1966 June 27, 1975	N	N	Test well. Slotted from 695-710 ft and 800-820 ft. Drilled to 4,363 ft and plugged back to 825 ft. Observation well. <u>2</u> <u>3</u>
610	do	do	1956	752	--	200	Qtal 6	3,966	319.23 327.34	May 31, 1956 June 20, 1977	N	N	Slotted from 200-752 ft. Observation well recorder. <u>2</u> <u>3</u>
* 611	U.S. Geological Survey	B & W Drilling Company	1953	1,200	--	--	Qtal 6	3,974	271.2	May 25, 1953	N	N	Test well. Filled. Electric log and drill-stem tests indicate fresh-water sands extend to 900 ft. <u>1</u> <u>2</u>
612	Consolidated Industrial Development of El Paso	Joe Bradford	1970	475	12-3/4	475	Qtal 6	3,943	350	Oct. 30, 1970	Sub, E	Ind	Slotted from 175-475 ft. <u>1</u>
* 801	City of El Paso	City of El Paso	1958	1,126	24 18 12	356 799 1,126	Qtal 6	4,090	404.2 463.85	Jan. 5, 1960 Jan. 26, 1976	T, E	P	Slotted from 418-1,126 ft. Drawdown 44 ft after 68 hours pumping 1,610 gpm on Nov. 18, 1957. Temp. 79°F. <u>1</u> <u>3</u>
* 802	do	Layne-Texas Company	1953	830	24 18 12-3/4	350 467 830	Qtal 6	3,972	288 375.39	Mar. 25, 1953 Jan. 16, 1974	T, E	P	Slotted from 360-820 ft. Drawdown 56 ft after 24 hours pumping 1,500 gpm on Mar. 24, 1953. Electric log of test well drilled at the location in 1939 to 1,177 ft indicates fresh-water sands extend to 855 ft. <u>1</u> <u>2</u> <u>3</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-05-803	City of El Paso	Layne-Texas Company	1952	832	24 18 12	293 428 830	Qtal 6	3,958	258.54 312.76	Jan. 15, 1953 Feb. 1, 1977	T, E	P	Slotted from 318-830 ft. Drawdown 55 ft after 24 hours pumping 1,337 gpm on Feb. 12, 1954. Pump set at 380 ft. Electric log of test well drilled at this location in 1939 to 1,206 ft indicates fresh-water sands extend to 922 ft. <u>Y Y Y</u>
* 804	do	do	1952	790	24 18 12-3/4	240 411 790	Qtal 6	3,908	223.56	Jan. 15, 1953	T, E	P	Slotted from 301-788 ft. Gravel-walled. Drawdown 47 ft after pumping 1,515 gpm on Nov. 9, 1952. Pump set at 380 ft. Electric log of 1,357-foot test well drilled at this location in 1939 indicates fresh-water sands extend to 1,165 ft. <u>Y Y</u>
805	do	C. R. Jensen	1939	1,217	--	--	Qtal 6	3,890	--	--	N	N	Test well. Filled. Electric log indicates fresh-water sands extend to bottom of well. <u>Y Y</u>
806	H. A. Gschwind	--	--	--	--	--	--	3,954	259.60 264.26	Jan. 15, 1953 Feb. 10, 1954	N	N	Destroyed.
807	U.S. Army	Wheeler Cass	1962	360	6	--	Qtal 6	3,918	264.48	July 1, 1966	N	N	Abandoned.
808	Joe Crump	Jim Folk	1948	480	--	--	Qtal 6	3,968	295	--	N	N	Destroyed.
809	do	Wheeler Cass	1953	515	12	515	Qtal 6	3,967	281.91	Mar. 17, 1954	N	N	Abandoned and destroyed.
810	do	do	1950	500	14	500	Qtal 6	3,966	284.7	Mar. 18, 1954	T, G	Irr	Perforated from 320-500 ft. Reported yield 1,000 gpm.
* 901	City of El Paso	City of El Paso	1955	727	24 18 12	291 447 727	Qtal 6	3,946	256.85 296.04	July 30, 1956 Feb. 1, 1977	T, E	P	Slotted from 348-727 ft. Drawdown 75 ft after 24 hours pumping 1,300 gpm on Dec. 16, 1958. <u>Y Y Y</u>
* 902	do	do	1955	820	24 18 12	298 459 836	Qtal 6	3,936	255.29 290.13	Aug. 6, 1956 Feb. 1, 1977	T, E	P	Slotted from 360-820 ft. Drawdown 72 ft after 24 hours pumping 1,350 gpm on Dec. 11, 1958. Pump set at 380 ft. <u>Y Y</u>
* 903	do	do	1963	1,050	24 18 12	260 500 1,037	Qtal 6	3,918	248.29 264.11	July 1, 1963 Feb. 8, 1977	T, E	P	Slotted from 269-1,037 ft. Drawdown 45 ft after 8 hours pumping 1,400 gpm on June 28, 1963. Pump set at 400 ft. Plugged back to 1,050 ft. Electric log indicates salt water at 1,195 ft. Temp. 77°F. <u>Y Y</u>
904	U.S. Army	Texas Water Well	1958	834	--	--	Qtal 6	3,920	249.0 252.4	Nov. 18, 1958 Nov. 20, 1958	T, E	P	Drawdown 68 ft after 8 hours pumping 1,100 gpm on Nov. 20, 1958. Temp. 77°F.
* 905	City of El Paso	H. M. Stanley	1936	500	2	400	Qtal 6	3,944	244.45 303.14	July 1936 July 20, 1977	N	N	Observation well. <u>Y Y</u>
* 906	do	City of El Paso	1966	1,198	24 18 12	270 698 950	Qtal 6	3,925	252.3 268.46	Mar. 16, 1966 Feb. 8, 1977	N	N	Slotted from 330-950 ft. Drawdown 46 ft after 24 hours pumping 1,800 gpm on Mar. 17, 1966. Temp. 79°F. <u>Y Y Y</u>
907	Likins-Foster and Associates	--	1950	322	14	322	Qtal 6	3,918	216.0	--	N	N	Abandoned. Reported yield 1,300 gpm.
* 908	City of El Paso	C. R. Jensen	1940	1,007	--	--	Qtal 6	3,912	210.80	Dec. 12, 1940	N	N	Test well. Destroyed. Drill-stem tests indicate fresh-water sands extend at least to 820 ft. <u>Y</u>
909	Alfredo Avila	--	1952	409	8	409	Qtal 6	3,932	220	1953	N	N	Abandoned. Slotted from 220-409 ft. Reported drawdown 10 ft after 60 hours pumping 300 gpm. Pump set at 260 ft.
910	Boyd	Wheeler Cass	1951	544	16	544	Qtal 6	3,910	314.78	Mar. 17, 1954	N	N	Abandoned. Reported yield 1,000 gpm.
911	L. G. Rogers	-- Prince	1949	440	10	440	Qtal 6	3,912	228.23	do	N	N	Destroyed. Reported yield 450-500 gpm.

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-05-912	F. Wardy	-- Tillary	1954	450	12	450	Qtal 6	3,920	--	--	T, E	Irr	Screened from 200-450 ft. Reported yield 1,000 gpm.
06-101	City of El Paso	City of El Paso	1965	894	24 18	324 551	Qtal 6	4,023	320.85 343.64	Mar. 16, 1965 Jan. 6, 1975	T, E	P	Drawdown 60 ft after 18 hours pumping 1,000 gpm. Temp. 79°F. <u>2</u>
* 102	Price's Dairy	B & W Drilling Company	1953	825	3	520	Qtal 6	4,048	331.15 344.10	Jan. 7, 1954 Jan. 3, 1977	N	N	Slotted from 500-520 ft. Drilled as test hole. Electric log and drill-stem tests indicate fresh-water sands extend to 430 ft. Observation well. <u>1 2 3</u>
103	Rosebud Imports	K. Ballard	1967	455	8	445	Qtal 6	4,000	314	Jan. 1967	Sub, E	Ind	Slotted from 355-445 ft.
104	City of El Paso	City of El Paso	1965	949	--	--	Qtal 6	4,032	338	Mar. 9, 1965	N	N	Test hole. Electric log and drill-stem tests indicate no fresh water. Temp. 79°F. <u>2</u>
* 105	Price's Dairy	--	--	450	6 4	300 450	Qtal 6	4,059	379.5	Apr. 10, 1975	N	N	Abandoned.
106	E. L. Kirby	--	1971	410	--	--	Qtal 6	4,005	325 387.65	Feb. 1973 1974	Sub, E	D	Not used.
107	E. S. Underwood	Joe Bradford	1971	450	6	--	Qtal 6	4,010	340	--	Sub, E	S	Reported yield 20 gpm.
108	Circle G Stables	do	1971	450	6	--	Qtal 6	4,008	387.55	1974	Sub, E	S	--
109	--	do	1971	400	6	--	Qtal 6	4,003	--	--	Sub, E	N	--
110	-- Gschwind	do	1971	400	6	--	Qtal 6	4,014	387.4	1974	Sub, E	N	--
* 201	U.S. Geological Survey	B & W Drilling Company	1953	800	--	--	Qtal 6	3,995	270.0	Mar. 21, 1953	N	N	Test well. Destroyed. Reported yield 800 gpm. <u>1 2</u>
401	City of El Paso	City of El Paso	1965	451	24 18	328 451	Qtal 6	4,002	311.11 319.20	May 11, 1965 Feb. 8, 1977	N	N	Slotted from 348-451 ft. Drawdown 62 ft after 24 hours pumping 1,000 gpm on May 11, 1965. Drilled to 995 ft and plugged back to 451 ft. Observation well. <u>1 2 3</u>
* 402	do	do	1963	670	24 18 12	300 549 670	Qtal 6	4,023	326.49 343.59	Oct. 30, 1963 Feb. 8, 1977	T, E	P	Slotted from 550-670 ft. Drawdown 69 ft after 24 hours pumping 1,600 gpm on Oct. 31, 1963. Pump set at 450 ft. Drilled to 1,063 ft and plugged back to 670 ft. Electric log indicates salt water at 673 ft. <u>2 3</u>
403	J. K. Shearman	Layne-Texas Company	1942	515	8 6	342 515	Qtal 6	3,991	286.3 288.52	Jan. 23, 1942 Apr. 7, 1953	T, E	S, Irr	Screened from 342-386 and 453-515 ft. Pump set at 320 ft. Reported yield 150 gpm. <u>1</u>
* 404	Farah Manufacturing Company	Singer-Layne Company	1975	683	20 14	320 396	Qtal 6	3,989	335	Sept. 23, 1975	--	Ind	Screened from 396-683 ft. Drawdown 90 ft after 78 hours pumping 1,165 gpm on Sept. 23, 1975. <u>1</u>
* 501	U.S. Army (U.S. Geological Survey)	B & W Drilling Company	1953	1,005	3	450	Qtal 6	3,975	266.81 278.34	Jan. 6, 1954 Jan. 4, 1977	N	N	Test well. Slotted from 430-450 ft. Electric log and drill-stem tests indicate fresh-water sands extend to 530 ft. Observation well. <u>1 2 3</u>
* 502	U.S. Army	--	--	--	6	--	--	3,975	267.24 268.9	Apr. 3, 1936 Jan. 6, 1954	N	N	Abandoned. Originally drilled as unsuccessful oil well and converted into water well, pumping about 5 gpm.
* 601	U.S. Army (U.S. Geological Survey)	B & W Drilling Company	1953	316	3	502	Qtal 6	4,012	308.4 319.47	Apr. 9, 1954 Feb. 17, 1971	N	N	Test well. Plugged at 316 ft. May 1, 1975-well dry at measured depth of 316 ft. Observation well. <u>1 2 3</u>
602	U.S. Army	--	--	--	6	--	--	4,046	337.5	Apr. 14, 1954	N	N	Destroyed.

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-06-701	U.S. Army	Layne-Texas Company	1959	819	24 16	-- --	Qtal 6	3,944	274	Dec. 2, 1959	T, E	P	Drawdown 71 ft after 24 hours pumping 1,571 gpm on Dec. 3, 1959. Pump set at 370 ft.
* 702	do	do	1952	450	6-5/8	450	Qtal 6	3,973	273.38 299.24	Feb. 4, 1952 Feb. 4, 1977	N	N	Slotted from 320-360 ft. Temp. 74°F. Observation well. <u>2</u> <u>3</u>
* 703	do	do	1952	550	6-5/8	550	Qtal 6	3,972	273.4 284.40	Feb. 29, 1952 May 1, 1975	N	N	Slotted from 510-550 ft. Observation well. <u>1</u> <u>2</u> <u>3</u>
* 704	City of El Paso	G. R. Jensen	1940	990	--	--	Qtal 6	3,977	274.5	Sept. 27, 1940	N	N	Test well. Filled. Drill-stem tests indicate fresh-water sands to 445 ft. <u>1</u>
* 705	do	do	1940	957	--	--	Qtal 6	3,962	265.87	Nov. 4, 1940	N	N	Test well. Filled. Drill-stem tests indicate fresh-water sands extend to 700 ft. <u>1</u>
12-101	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1945	20	2-1/2	20	Qal Rg	3,748	6.8 5.20	Jan. 1946 Dec. 1976	N	N	Observation well.
* 102	Erich Brandes	George McKenzie	1951	123	18	123	Qal Rg	3,753	6.90 6.59	June 10, 1952 Mar. 24, 1975	T, G	Irr	Pump set at 80 ft. Reported yield 1,800 gpm. <u>1</u> <u>2</u> <u>3</u> <u>4</u>
* 103	Inder Singh	Wheeler Cass	1951	130	16	130	Qal Rg	3,751	7.29 5.33	Jan. 16, 1953 Dec. 28, 1976	T, G	N	Pump set at 100 ft. Temp. 67°F. <u>3</u>
* 104	City of El Paso	do	--	50	1-1/2	50	Qal Rg	3,750	10.09 7.54	May 16, 1968 June 25, 1976	N	N	Slotted from 20-50 ft. Observation well. <u>1</u> <u>2</u>
* 105	do	do	1968	50	1-1/2	50	Qal Rg	3,752	6.84 5.52	May 20, 1968 June 25, 1976	N	N	Slotted from 20-50 ft. Observation well. Temp. 72°F. <u>1</u> <u>2</u> <u>3</u>
* 106	U.S. Geological Survey	B & W Drilling Company	1953	407	6-3/4	--	Qtal 6	3,800	54.9	Nov. 9, 1953	N	N	Test well. Filled. Electric log and drill-stem tests indicate no fresh water below 100 ft. <u>1</u> <u>2</u>
107	Thomas & Martin	--	--	110	16	--	Qal Rg	3,754	5.48 5.25	Apr. 28, 1951 Dec. 28, 1976	T, G	Irr	Reported yield 986 gpm. <u>3</u>
* 108	Willard Deerman	--	1951	128	16	--	Qal Rg	3,751	7.6 6.82	Apr. 28, 1951 Mar. 24, 1975	N	N	Reported yield 1,000 gpm. Observation well. <u>3</u> <u>4</u>
109	M. M. Friedman	--	1952	--	--	--	--	3,751	7.5 5.3	Jan. 16, 1953 Jan. 13, 1959	N	N	Gravel-walled. Temp. 67°F. <u>3</u> <u>4</u>
110	do	--	--	205	16	--	Qal Rg	3,751	7.8 8.44	Apr. 28, 1951 Mar. 24, 1975	T, G	Irr	Reported yield 2,000 gpm. <u>4</u>
113	L. T. Cox	-- Bently	1951	65	16	--	Qal Rg	3,747	8.34 6.9	Mar. 14, 1952 Jan. 13, 1959	T, G	Irr	Pump set at 50 ft. <u>3</u>
114	Erich Brandes	--	1948	64	--	--	Qal Rg	3,749	--	--	T	Irr	--
* 115	L. T. Stock	George McKenzie	1951	92	22	92	Qal Rg	3,751	--	--	N	N	Destroyed. Temp. 66°F.
* 116	J. H. Padgett	Remedial Oil Service	1951	125	16	--	Qal Rg	3,750	9.45 8.1	Mar. 14, 1952 Jan. 18, 1956	T, Ng	Irr	Pump set at 70 ft. Reported yield 1,400 gpm. <u>3</u>
117	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1945	20	2-1/2	20	Qal Rg	3,748	9.3 8.4	Jan. 1946 Dec. 1976	N	N	Auger hole cased with galvanized-iron pipe. Observation well.
118	El Paso Country Club	--	--	--	--	--	--	3,747	10.41 9.4	Jan. 15, 1953 Jan. 22, 1959	T, E	Irr	<u>3</u>
119	William F. Howard	R. A. Morales	1957	70	8	--	Qal Rg	3,740	--	--	Sub, E	Irr	Perforated from 67-70 ft.

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks	
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement				
El Paso County--Continued														
* JL-49-12-120	City of El Paso	--	--	--	18	--	--	3,759	8.45 5.55	Dec. 29, 1967 Mar. 27, 1975	T, Ng	Irr	--	
121	J. E. Criggs	Ballard Drilling Company	1972	105	--	--	Qtal 6	3,770	14.25	Aug. 8, 1972	N	N	Too salty for use.	
*	122	do	R. A. Morales	1958	65	3	--	Qal Rg	3,751	10.	Aug. 1972	Sub, E	Irr	Temp. 67°F.
*	123	Katherine Gunion	--	--	120	--	--	Qal Rg	3,757	--	--	T	Irr	<u>y</u>
	124	Arthur Ortiz	--	--	15	--	--	3,759	--	--	T, Ng	Irr	--	
	126	Erich Brandes	--	--	20	--	--	3,753	9.80	Mar. 27, 1975	T, G	Irr	--	
	127	Emilio Peinado	--	--	8	--	--	3,757	--	--	T, G	Irr	<u>y</u>	
	128	Pedro Duran	--	--	18	--	--	3,756	5.6	Mar. 27, 1975	T, Ng	Irr	--	
	129	Jose Sapien	--	--	16	--	--	3,759	--	--	T, E	Irr	--	
*	130	-- Broadwell	--	--	75	--	--	Qal Rg	3,750	--	--	T, E	Irr	Temp. 70°F.
*	201	City of El Paso	Wheeler Cass	1968	50	1-1/2	50	Qal Rg	3,751	10.28 8.09	May 6, 1968 June 25, 1976	N	N	Slotted from 20-50 ft. Gravel packed. Observation well. <u>y</u>
*	202	Westerner Motel	--	--	203	--	--	Qtal 8	3,840	104.72 105.5	Jan. 16, 1953 Aug. 31, 1956	N	N	Destroyed. Supplied swimming pool. Reported yield 40 gpm.
	203	Paul Harvey	Layne-Texas Company	1938	1,245	--	--	Qtal 8	3,900	--	--	N	N	Test well. Destroyed. Bedrock at 208 ft. <u>y</u>
*	204	Penn's Dairy	do	1951	540	10 8	382 --	Qtal 8	3,980	246.01 251.5	Jan. 16, 1953 Jan. 23, 1956	N	N	Destroyed. Deepened from 382-540 ft. Temp. 77°F. <u>y</u>
	205	do	do	1946	383	8-5/8 6-5/8	--	Qtal 8	3,981	250	--	N	N	Destroyed. Was screened from 251-259 and 360-381 ft. Drawdown reported 50 ft pumping 40 gpm.
	206	do	--	--	280	--	--	Qtal 8	3,983	250	--	N	N	Destroyed. Reported yield 40 gpm.
*	301	Broadus-McGrath	--	--	425	--	--	Qtal 8	4,107	--	--	N	N	Destroyed. Reported yield 33 gpm. <u>y</u>
*	401	Riverbend Farms, Inc.	Layne-Texas Company	1946	127	12-3/4 6-5/8	116 --	Qal Rg	3,743	8.0	Feb. 14, 1956	T, E	N	Not used. Screened from 103-114 ft. Drawdown reported 21 ft after pumping 66 gpm on Feb. 14, 1946. <u>y</u>
*	402	do	--	--	--	--	--	3,743	--	--	T, E	N	--	
	403	do	Layne-Texas Company	1938	211	10-3/4 5-1/2	170 196	Qal Rg	3,746	4.	Sept. 1948	N	N	Screened from 172-193 ft. Drawdown reported 32 ft after pumping 160 gpm on Sept. 23, 1938. Water reported salty. <u>y</u>
*	404	do	do	1946	92	12-3/4 6-5/8	74 92	Qal Rg	3,741	11.	Mar. 9, 1956	T, E	N	Screened from 80-90 ft. Drawdown reported 10 ft pumping 35 gpm on Feb. 19, 1946.
	405	do	do	1946	108	12-3/4 6-5/8	93 108	Qal Rg	3,742	2.	Feb. 19, 1946	T, E	N	Screened from 96-106 ft and underreamed from 93-108 ft. Drawdown reported 13 ft pumping 60 gpm on Feb. 19, 1946.
*	406	do	do	1946	127	--	--	Qal Rg	3,743	--	--	N	N	Test well. Destroyed. <u>y</u>
*	407	do	do	1946	110	12-3/4 6-5/8	107 --	Qal Rg	3,745	9.	Feb. 25, 1946	T, E	N	Screened from 96-106 ft and underreamed from 97-110 ft. Drawdown reported 13 ft pumping 60 gpm on Feb. 25, 1946.

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-12-432	George Doyle	Agua Drilling Company	1972	72	6	44	Qal Rg	3,747	5.57	Aug. 8, 1972	Sub, E	D, S	Drawdown reported 5 ft after 3 hours pumping 40 gpm.
501	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1945	20	2-1/2	20	Qal Rg	3,735	6.5 6.8	Jan. 1946 Dec. 1976	N	N	Auger hole cased with galvanized-iron pipe. Observation well.
502	Yucca Council - Boy Scouts of America	--	--	48	12	48	Qal Rg	3,740	9.1	Mar. 17, 1953	T, E	Irr	Drawdown measured 22 ft after 15 minutes pumping 250 gpm on Mar. 17, 1953. Temp. 66°F.
503	Farmer Independent Oil Company	Layne-Texas Company	1951	550	--	--	Qtal 8	3,747	--	--	N	N	Test well. Abandoned. No water encountered in useable quantities. <u>1</u>
510	L. D. McComas	--	--	--	18	--	--	3,741	7.75 6.68	June 10, 1952 Jan. 29, 1973	N	N	<u>3</u> <u>4</u>
* 525	Erich Brandes	--	--	600	3-1/2	--	Qtal 8	3,745	Flowed	Sept. 1, 1957	N	N	Abandoned.
* 601	City of El Paso	Wheeler Cass	1968	50	1-1/2	50	Qal Rg	3,729	2.11 1.15	May 6, 1968 Mar. 22, 1973	N	N	Slotted from 20-50 ft. Observation well. <u>3</u>
* 602	George Hervey	Layne-Texas Company	1953	1,690	8 6	1,600 1,690	Qtal 8	3,994	238.20	Feb. 16, 1953	N	N	Screened from 1,590-1,690 ft. Drawdown reported 102 ft pumping 200 gpm. Oil test drilled to 2,500 ft, reamed out to 1,690 ft, and abandoned because of high fluoride content (5.6 mg/l). Temp. 99°F. <u>2</u>
* 603	Broadus-McGrath	El Paso Drilling Company	1953	502	14 10	50 500	Qtal 8	4,075	220.9	Oct. 10, 1953	N	N	Drawdown measured 92 ft after 29-1/2 hours pumping 60 gpm on Oct. 10, 1953. Bedrock at 75 ft. <u>1</u>
604	--	--	--	660	--	--	Qtal 8	4,106	--	--	N	N	Dry hole. Abandoned. <u>1</u>
* 605	Buena Vista Cooperative Water System	--	1947	169	8	--	Qtal 8	3,798	150.	--	N	N	Destroyed. Reported yield 60 gpm.
* 606	Southwestern Portland Cement Company	Southwestern Portland Cement Company	1951	140	6	--	Qtal 8	3,800	49.0	Nov. 21, 1955	Sub, E	D, Ind	Drilled in hard limestone with some sand beds. Used only for drinking at present.
607	do	do	1951	240	8	240	Qtal 8	3,800	46.0	do	Sub, E	D, Ind	Used only for drinking at present.
13-201	G. L. Cook	Wheeler Cass	--	300	6	300	Qtal 6	3,936	244.99	--	N	N	Destroyed.
* 202	City of El Paso	Layne-Texas Company	1952	814	24 18 12-3/4	262 387 814	Qtal 6	3,885	208.4 211.0	Jan. 15, 1953 Feb. 9, 1954	T, E	P	Slotted from 300-812 ft. Gravel-walled. Drawdown 71 ft after 24 hours pumping 1,396 gpm on Feb. 10, 1954. Electric log of test well drilled at this location in 1939 to 1,217 ft indicates fresh-water sands extend to bottom of test well. <u>1</u> <u>2</u>
* 203	do	do	1941	860	24 16 13	236 397 860	Qtal 6	3,880	197.4 236.26	June 25, 1941 Jan. 11, 1967	T, E	P	Gravel-walled. Drawdown 51 ft after 24 hours pumping 1,585 gpm in 1941. Electric log of test well at this location in 1939 indicates fresh-water sands extend to 1,085 ft. <u>1</u> <u>2</u> <u>3</u>
* 204	do	do	1941	917	24 16 13	315 319 917	Qtal 6	3,874	207.1 242.77	June 21, 1941 Jan. 19, 1976	T, E	P	Electric log of test well drilled at this location in 1939 to 1,867 ft indicates fresh-water sands extend to 1,005 ft. <u>1</u> <u>2</u> <u>3</u>
* 205	do	do	1937	800	6	801	Qtal 6	3,874	188.45	Aug. 24, 1938	N	N	Observation well.
206	do	C. R. Jensen	1939	1,257	4	384	Qtal 6	3,882	192.7 235.62	June 20, 1939 Feb. 1, 1977	N	N	Test well. Observation well. Electric log indicates fresh-water sands extend to 1,160 ft. Slotted from 150-384 ft. <u>1</u> <u>2</u> <u>3</u>
* 207	Baptist Spanish Publishing House	Wheeler Cass	1939	280	4	280	Qtal 6	--	252.09	May 25, 1955	Sub, E	Ind	Used in the plant. Connected to city for reserve use.

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface datum (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-13-208	Jerome Martin	--	1950	440	--	--	Qtal 6	--	211.56	Feb. 8, 1954	N	N	Destroyed.
* 209	U.S. Geological Survey	B & W Drilling Company	1953	1,230	--	--	Qtal 6	4,094	416.6	Sept. 4, 1953	N	N	Test hole. Drill stem test 968-1,016 and 1,068-1,114 ft.
* 210	Restlawn Cemetery	--	--	300	--	--	Qtal 6	--	206.70 266.87	Apr. 26, 1938 Nov. 21, 1974	T, E	Irr	--
* 211	City of El Paso	C. R. Jensen	1939	1,137	--	--	Qtal 6	3,875	198.3	Apr. 8, 1939	N	N	Test hole. Drill stem test 569 ft. <u>1</u> <u>2</u>
212	Restlawn Cemetery	Al Parker	1951	500	12 14 12	205 295 500	Qtal 6	--	212.11	Oct. 23, 1951	T, O	Irr	Slotted from 220-500 ft. Drawdown 32 ft. Pump set at 300 ft. Yield 660 gpm on Oct. 23, 1951.
213	City of El Paso	Layne-Texas Company	1937	698	--	--	Qtal 6	3,870	--	--	N	N	Test hole. Abandoned. Estimated only 37 ft of water-bearing sand encountered. <u>1</u>
* 214	do	do	1937	830	--	--	Qtal 6	3,869	204.0	July 1937	N	N	Test hole. Abandoned. Drill stem test 214, 334-352, and 486-505 ft. <u>1</u>
* 215	Restlawn Cemetery	--	1966	330	8	--	Qtal 6	3,912	--	--	Sub, E	Irr	--
301	City of El Paso	--	1952	640	20 16	400 640	Qtal 6	3,882	231.90 253.45	Oct. 20, 1964 July 20, 1977	N	N	Observation well. <u>3</u>
* 302	U.S. Army	Bassett Drilling Company	1953	812	24	249	Qtal 6	--	220.4	Mar. 22, 1954	T, E	P	U.S. Army Base supply. Abandoned. <u>1</u> <u>2</u>
* 303	do	Harold Doty	1956	799	26 16	200 780	Qtal 6	3,910	--	--	T, E	P	U.S. Army Base supply. Drilled to replace well 49-13-302. <u>2</u>
* 304	do	Bassett Drilling Company	1953	812	24 16	219 810	Qtal 6	--	220.0	Mar. 22, 1954	T, E	P	14-inch screen from 306-506, 552-572, 617-637, and 696-756 ft. Gravel-walled. Drawdown reported 47 ft pumping 1,200 gpm in 1953. Pump set at 289 ft. <u>1</u> <u>2</u>
* 305	do	do	1953	816	24 16	230 814	Qtal 6	--	229.8	do	T, E	P	Screened from 270-350, 440-470, 530-550, 580-710, and 750-790 ft. Gravel-walled. Drawdown reported 33 ft pumping 1,200 gpm in 1953. Pump set at 300 ft. <u>1</u> <u>2</u>
* 306	City of El Paso	C. R. Jensen	1941	950	4	604	Qtal 6	3,933	242.3 243.7	Dec. 13, 1940 Oct. 26, 1942	N	N	Test well. Slotted from 379-401, 422-442, 479-501, 522-543, and 582-603 ft. Drill stem tests indicate fresh-water sands extend to at least 770 ft. <u>1</u>
* 307	U.S. Army	J. Alvis	1967	812	24 16	320 800	Qtal 6	3,897	--	--	T, E	P	Yield 1,500 gpm. <u>1</u> <u>2</u>
308	El Paso Natural Gas Company	Mountain Drilling Company	1953	722	--	--	Qtal 6	--	--	--	--	Ind	Yield 220 gpm. <u>2</u>
309	do	do	1948	398	10-3/8	--	Qtal 6	--	205 254	Jan. 10, 1948 1972	T, E	Ind	Yield 100 gpm. Pump set at 280 ft.
310	U.S. Army	--	old	400	10	--	Qtal 6	3,902	210.4 226.1	Aug. 7, 1935 Jan. 7, 1954	C, W	N	--
311	do	Layne-Texas Company	1973	815	24	320	Qtal 6	--	--	--	T, E	P	Top screen at 326 ft. Drawdown 40 ft. Yield 1,007 gpm pumping 24 hours on Oct. 3, 1973. <u>2</u>
401	City of El Paso	--	old	500	5	--	Qtal 6	3,996	303.7 306.9	Nov. 20, 1935 Jan. 5, 1954	N	N	Destroyed.
501	do	City of El Paso	--	606	--	--	Qtal 6	3,870	199.2 216.1	Aug. 6, 1935 Jan. 7, 1953	N	N	Destroyed. <u>1</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-13-502	City of El Paso	V. Chesney	1930	758	20 15 9	306 587 758	Qtal 6	3,871	195 242.62	Oct. 1, 1931 Jan. 1973	T, E	P	Slotted from 311-758 ft. <u>1/3</u>
* 503	U.S. Army	Layne-Texas Company	1942	916	24 18-5/8 12-3/4	235 321	Qtal 6	--	230.8 241.5	July 22, 1942 1960	T, E	P	Gravel-walled. Drawdown 65 ft pumping 870 gpm on Aug. 27, 1942. Pump set at 295 ft. <u>1/1</u>
* 504	do	do	1931	785	24 12	351 776	Qtal 6	3,877	204 217.1	Mar. 1932 May 22, 1939	T, E	P	Screened from 290-322, 436-468, 502-523, 533-565, 571-598, 621-663, and 705-768 ft. Gravel-walled. <u>1/1</u>
* 505	do	do	1969	806	24 16	298 806	Qtal 6	--	205.4 205.0	Oct. 15, 1937 Feb. 26, 1940	T, E	P	Screened from 313-806 ft. Originally drilled to 800 ft in 1937, redrilled to 806 ft in May 1969. <u>1/2</u>
* 506	U.S. Geological Survey	B & W Drilling Company	1953	905	4	716	Qtal 6	3,886	232.34 178.29	Jan. 5, 1954 Jan. 4, 1977	N	N	Test well. Used for observation. Slotted from 716-736 ft. Electric log and drill-stem tests indicate fresh-water sands extend to bottom of well. <u>1/2/3</u>
* 507	U.S. Army	Layne-Texas Company	1917	600	12	600	Qtal 6	--	226	1917	N	N	Plugged and abandoned. Drawdown 76 ft pumping 250 gpm on Apr. 22, 1944.
* 508	do	T. F. Hawkins	1913	652	10	652	Qtal 6	3,884	198.3 238.6	Jan. 5, 1913 1954	N	N	Plugged and abandoned. Slotted from 200-652 ft. <u>1/1</u>
* 509	do	do	1913	657	12 10	200 657	Qtal 6	--	200.8	July 27, 1913	N	N	Plugged and abandoned. <u>1/1</u>
* 510	do	do	1917	600	12	600	Qtal 6	3,883	227	1917	N	N	Do.
* 511	City of El Paso	--	1959	753	24 18 12	245 512 753	Qtal 6	3,872	233.62 242.38	Oct. 1, 1959 Jan. 19, 1976	T, E	P	Slotted from 255-753 ft. <u>2/3</u>
* 512	do	L. Jensen	1928	715	20 15 12	302 625 715	Qtal 6	3,871	189.2 233.09	Feb. 25, 1931 Jan. 1973	T, E	P	Slotted from 242-715 ft. <u>1/3</u>
513	do	V. Chesney	1935	640	--	--	Qtal 6	--	199	July 1936	N	N	Insufficient water for public supply. Abandoned and destroyed. <u>1/1</u>
514	do	do	1930	660	--	--	Qtal 6	3,783	--	--	N	N	Never used because of poor quality of water. <u>1/1</u>
* 515	Texas & New Orleans Railway Company	P. D. Wynne	1922	869	12	869	Qtal 6	--	217.5 220.8	Nov. 20, 1935 Mar. 21, 1941	N	N	Abandoned, Slotted from 269-869 ft. <u>1/1</u>
* 516	do	Layne-Texas Company	1937	860	12	860	Qtal 6	--	219.3 231.9	Jan. 25, 1939 June 21, 1941	N	N	Pumped 700 gpm.
517	do	do	1937	860	12 10	740 860	Qtal 6	--	226 218.9	Aug. 12, 1938 Jan. 14, 1947	N	N	Pumped 624 gpm.
* 518	do	Semple & Wynne	1921	864	12	864	Qtal 6	3,877	213	Aug. 30, 1921	N	N	Slotted from 274-864 ft. Pumped 660 gpm. <u>1/1</u>
* 519	do	Layne-Texas Company	1941	852	16 13	345 849	Qtal 6	--	218	Apr. 1941	N	N	Screened from 337-849 ft. Drawdown 35 ft pumping 530 gpm on Apr. 22, 1941. <u>1/1</u>
* 601	City of El Paso	V. Chesney	1935	780	20 12	300 744	Qtal 6	3,880	201 256.19	June 5, 1935 Jan. 19, 1976	T, E	P	Slotted from 288-774 ft. Pumped 1,200 gpm. <u>1/3</u>
* 602	U.S. Army	Layne-Texas Company	1951	780	24 16 10-3/4	250 405 769	Qtal 6	--	256.2	Mar. 23, 1954	N	N	Plugged and abandoned. Drawdown reported 33 ft pumping 1,000 gpm in 1951. <u>1/2</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface datum (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-13-603	U.S. Army	Layne-Texas Company	1961	775	24 16 10-3/4	300 315 770	Qtal 6	3,414	270	Aug. 23, 1961	T, E	P	Screened from 315-400, 400-460, 485-510, 560-640, and 665-760 ft. Drawdown 58 ft pumping 1,000 gpm in 1961. <u>1</u> <u>2</u>
* 604	City of El Paso	do	1938	909	24 16 12-1/2	246 351 905	Qtal 6	3,913	232.0	Oct. 14, 1938	T, E	P	Screened from 274-905 ft. Drawdown 30 ft after 13 hours pumping 1,720 gpm. Electric log indicates fresh-water sands extend to 905 ft. <u>1</u> <u>2</u>
* 605	do	do	1938	1,055	24 16 13	280 368 1,055	Qtal 6	3,900	221.8 238.5	May 4, 1938 Mar. 2, 1954	T, E	P	Screened from 287-366 and 375-1,040 ft. Gravel-walled. Drawdown 46 ft pumping 1,150 gpm on Mar. 3, 1954. Electric log and drill stem tests indicate fresh-water sands extend to bottom of well. <u>1</u> <u>2</u>
* 606	U.S. Army	do	1941	778	20 12	345 778	Qtal 6	--	225 254	1941 June 10, 1965	T, E	P	Screened from 304-773 ft. Gravel-walled. Drawdown 49 ft pumping 1,250 gpm on Sept. 15, 1941. Pump set at 295 ft. <u>1</u>
* 607	City of El Paso	C. R. Jensen	1938	950	16 12	-- 867	Qtal 6	3,908	232.4 249.4	Dec. 18, 1940 Jan. 6, 1954	T, E	P	Electric log of test well drilled in 1938 to 1,187 ft indicates fresh-water sands extend to 975 ft. <u>1</u> <u>2</u>
* 608	do	City of El Paso	1959	920	24 18 12	272 503 896	Qtal 6	3,912	254.86 287.21	Apr. 2, 1959 Dec. 8, 1976	T, E	P	Slotted from 282-896 ft. Drawdown 62 ft after 24 hours pumping 1,835 gpm on Apr. 2, 1959. Drilled to 1,022 ft and plugged back to 920 ft. <u>2</u> <u>3</u>
* 609	do	do	1956	983	24 18 12	295 495 983	Qtal 6	3,922	260.28 275.93	Mar. 27, 1958 Jan. 1971	T, E	P	Slotted from 316-983 ft. Drawdown 77 ft after 5 days pumping 1,200 gpm on Apr. 21, 1958. <u>1</u> <u>2</u> <u>3</u>
* 610	do	Layne-Texas Company	1951	766	24 18 12-3/4	300 380 754	Qtal 6	3,928	253.9 298.09	Jan. 22, 1952 Dec. 8, 1976	T, E	P	Slotted from 289-754 ft. Gravel-walled. Drawdown 51 ft after 4 hours pumping 1,534 gpm on Mar. 6, 1954. <u>1</u> <u>2</u> <u>3</u>
* 611	U.S. Army	H. M. Stanley	1936	400	2	400	Qtal 6	3,920	244.12 308.46	July 16, 1936 July 20, 1977	N	N	Test well. Drilled to 600 ft and plugged back to 400 ft. Observation well. <u>1</u> <u>3</u>
612	City of El Paso	C. R. Jensen	1938	713	12 6	88 713	Qtal 6	3,879	208.8 223.7	Aug. 24, 1938 Apr. 19, 1954	N	N	Test well. Drilled to 1,117 ft. <u>1</u> <u>2</u>
* 613	do	H. M. Stanley	1936	623	2	441	Qtal 6	3,945	260.6 318.81	July 17, 1936 Jan. 5, 1977	N	N	Test well. Observation well. <u>1</u> <u>2</u> <u>3</u>
* 614	do	C. R. Jensen	1944	698	10	680	Qtal 6	3,922	250 264.8	Jan. 1944 Mar. 6, 1954	N	N	Destroyed. Yield reported 200 gpm. <u>1</u>
* 615	U.S. Army	Layne-Texas Company	1967	800	24 16	320 800	Qtal 6	--	288	May 17, 1967	T, E	P	Slotted from 380-798 ft. Pump set at 450 ft. <u>1</u> <u>2</u>
* 616	do	do	1951	780	24 16 10-3/4	250 400 775	Qtal 6	3,910	260	July 6, 1951	N	N	Abandoned and casing pulled. Drawdown 49 ft pumping 1,266 gpm on June 30, 1951. <u>1</u> <u>2</u>
617	City of El Paso	City of El Paso	1967	988	24 18	345 930	Qtal 6	3,940	311.83 323.74	Nov. 21, 1967 Dec. 8, 1976	N	N	Slotted from 431-930 ft. Drawdown 52 ft after 5 hours pumping 1,520 gpm. <u>3</u>
* 618	do	do	1938	530	8 6	415 520	Qtal 6	--	233.08 249.0	Apr. 27, 1938 Jan. 28, 1954	N	N	Abandoned. Slotted from 243-273, 283-308, 314-359, 378-388, and 405-520 ft. <u>1</u>
619	do	C. R. Jensen	1938	1,292	--	--	Qtal 6	3,888	--	--	N	N	Test well. <u>1</u>
620	do	do	1939	1,117	--	--	Qtal 6	3,928	--	--	N	N	Test well. Electric log indicates fresh-water sands extend to 815 ft. <u>1</u> <u>2</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water Level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-13-621	City of El Paso	C. R. Jensen	1937	902	--	--	Qtal 6	3,900	--	--	N	N	Test well. <u>1</u>
* 622	do	City of El Paso	1972	1,060	24 16	330 1,059	Qtal 6	3,935	296.96 328.49	Jan. 16, 1973 Dec. 16, 1976	T, E	P	Slotted from 468-621 and 701-1,059 ft. <u>2</u> <u>3</u>
* 623	do	do	1972	1,199	24 16	285 1,199	Qtal 6	3,935	292.06 307.90	Jan. 15, 1973 Jan. 15, 1976	T, E	P	Slotted from 589-1,199 ft. <u>2</u> <u>3</u>
* 624	do	do	1973	1,024	24 18 16	302 350 1,024	Qtal 6	3,910	301.24	Aug. 1973	T, E	P	Slotted from 350-1,024 ft. Drawdown 62 ft after 24 hours pumping 2,005 gpm. <u>1</u> <u>2</u>
* 625	do	do	1977	1,026	24 16	320 1,026	Qtal 6	3,914	--	--	T, E	P	Screened from 370-810, 862-912, and 978-1,026 ft.
* 701	El Paso Electric Company Well 4	Payne & Ballard	1956	320	24 18 16	93 215 320	Qtal 6	3,711	42.82 37.73	Dec. 30, 1964 Apr. 30, 1968	T, E	Ind	Slotted from 93-320 ft. Gravel packed. Pump set at 266 ft. Reported yield 2,500 gpm. Development test: Drawdown of 67 ft pumping 2,500 gpm. Historical observation well. <u>1</u> <u>2</u>
* 702	City of El Paso Well 17	Layne-Texas Company	1938	720	24 13	295 720	Qtal 6	3,705	36.70 97.25	Feb. 2, 1939 Dec. 15, 1975	T, E	P	Slotted from 294-717 ft. Cement plug from 851-720 ft. Gravel packed. Development test: Drawdown 37 ft on Oct. 14, 1965. Observation well. <u>1</u> <u>2</u> <u>3</u>
* 703	Southern Pacific Railroad Company	do	1944	624	12-3/4	450	Qtal 6	3,707	52.62	Oct. 18, 1965	N	N	Plugged and abandoned. Screens from 459-480, 502-524, 545-566, and 586-623 ft. Estimated yield 600 gpm on Oct. 18, 1965. Development test: Drawdown 20 ft. <u>1</u>
* 704	City of El Paso Well 14	do	1937	703	24 13	237 703	Qtal 6	3,702	30.10 89.07	July 7, 1937 Dec. 14, 1976	T, E	P	Screen from 254-694 ft. Cement plug from 905-703 ft. Gravel packed. Yield 1,500+ gpm. Development test: Drawdown of 32 ft. Observation well. <u>1</u> <u>2</u> <u>3</u>
* 705	Southern Pacific Railroad Company SP-1	do	1941	798	16 10-3/4	406 798	Qtal 6	3,700	44.00 101.60	June 23, 1941 June 23, 1976	T, E	Ind	Screen from 403-425, 470-502, 512-607, 622-644, 692-724, and 752-794 ft. Performance test: Drawdown of 33 ft pumping 880 gpm on Oct. 27, 1965. Observation well. <u>1</u> <u>2</u>
* 706	Southern Pacific Railroad Company	do	1942	760	--	--	Qtal 6	3,704	58.80	Oct. 19, 1965	T, E	Ind	Performance test: Drawdown of 28 ft pumping 850 gpm on Oct. 21, 1965.
* 708	City of El Paso	P. D. Wynne	1933	52	20	52	Qal Rg	3,708	8.00 25.93	Apr. 23, 1933 Dec. 28, 1967	Cf, E	N	Abandoned. Well used to lower water table below house basement level in downtown El Paso. Screen from 30-52 ft. Historical observation well. <u>3</u>
* 709	City of El Paso Well 10	V. Chesney	1930	807	20 16 12-1/2	210 579 650	Qtal 6	3,706	24.00 33.82	Jan. 27, 1931 Jan. 27, 1955	N	P	Not used. Slotted from 358-650 ft. <u>1</u>
* 710	City of El Paso Well 67	City of El Paso	1967	730	24 18	500 730	Qtal 6	3,706	44.00 119.36	Apr. 9, 1968 Dec. 13, 1976	T, E	P	Slotted from 510-730 ft. Gravel packed. Pump set at 220 ft. Development test: Drawdown of 79 ft pumping 1,400 gpm on Feb. 8, 1968. Observation well. <u>2</u> <u>3</u>
* 711	City of El Paso Well 10a	do	1968	641	24 18	100 641	Qtal 6	3,714	35.37 103.28	Jan. 27, 1955 June 23, 1976	T, E	P	Slotted from 300-641 ft. Gravel packed. Plugged back from 1,121 to 641 ft. Development test: Drawdown of 85 ft pumping 1,400 gpm on Feb. 16, 1968. Observation well. <u>1</u> <u>2</u> <u>3</u>
* 712	International Boundary and Water Commission	Dickinson	1967	52	2	52	Qal Rg	3,701	18.96 17.36	July 20, 1967 July 18, 1968	N	N	Destroyed. Historical observation well. <u>3</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-13-713	International Boundary and Water Commission	Dickinson	1967	52	2	51	Qal Rg	3,709	26.99 42.44	July 20, 1967 Oct. 13, 1971	N	N	Destroyed. Historical observation well. <u>3</u>
* 714	do	do	1967	49	2	49	Qal Rg	3,708	26.21 37.75	July 19, 1967 Apr. 9, 1970	N	N	Do.
* 715	do	do	1967	49	2	49	Qtal 6	3,705	29.08 44.23	July 19, 1967 July 2, 1975	N	N	Observation well. <u>3</u>
* 716	City of El Paso Well 7	A. Strout	1927	425	22 12 13	86 155 425	Qal Rg/ Qtal 6	3,705	7.00 5.80	Jan. 5, 1935 Jan. 10, 1941	N	N	Destroyed.
* 717	El Paso Ice & Refrigeration Company	F. D. Wynne	1920	509	12	509	Qtal 6	3,708	35.00 27.47	Jan. 7, 1935 Jan. 31, 1939	N	N	Destroyed. <u>1</u>
* 718	Bowie High School	-- Burdick	1951	80	10	--	Qal Rg	3,706	25.74	Apr. 9, 1964	T, E	Irr	Yield 350 gpm on Aug. 5, 1966.
* 719	City of El Paso Well 6	A. Strout	1925	646	24 15	89 480	Qal Rg/ Qtal 6	3,708	15.00 16.80	May 17, 1925 Dec. 11, 1940	N	N	Not used. Slotted from 169-480 ft. <u>1</u>
720	El Paso Electric Company Well 2	Layne-Texas Company	1924	252	18 16	--	Qal Rg/ Qtal 6	3,709	7.30 29.20	Aug. 20, 1935 Jan. 27, 1955	T, E	Ind	Screen from 55-252 ft. <u>1</u>
721	El Paso Electric Company Well 1	do	1925	229	--	--	Qal Rg/ Qtal 6	3,709	23.10 29.74	May 1924 Jan. 27, 1955	N	N	Not used. <u>1</u>
* 722	El Paso Electric Company Old Well 4	J. F. Hawkins	1914	394	15 10	254 394	Qtal 6	3,708	12.59 39.89	Jan. 27, 1914 Jan. 27, 1955	--	Ind	Slotted from 254-294, and 334-394 ft. <u>1</u>
* 723	El Paso Electric Company	Layne-Texas Company	1924	304	10	48	Qal Rg/ Qtal 6	3,710	9.60 17.00	Aug. 2, 1935 Jan. 6, 1953	N	N	Not used. Slotted from 11-304 ft. <u>1</u>
* 725	City of El Paso	Texas Water Development Board	1976	220	4	220	Qtal 6	3,742	114.25 119.45	June 7, 1976 Mar. 21, 1977	N	N	Observation well. <u>2</u>
* 801	City of El Paso Well 9	V. Chesney	1928	802	24 15 12-1/2	118 446 802	Qal Rg/ Qtal 6	3,700	25.00 99.78	1932 Dec. 14, 1976	T, E	P	Slotted from 190-802 ft. Plugged back from 830 ft to 802 ft. Observation well. <u>1</u> <u>3</u>
* 802	Falstaff Brewery, Inc. Well 3	Layne-Texas Company	1957	470	20 12	315 420	Qtal 6	3,700	62.00 41.60	May 25, 1957 Apr. 2, 1960	T, E	Ind	Not used. Screen from 317-347 and 353-413 ft. Plugged back from 524 ft to 470 ft. Measured yield 533 gpm. Performance test: Drawdown 44 ft pumping 533 gpm on May 25, 1967. <u>1</u> <u>2</u>
* 803	Harry Mitchell Brewing Company Well 2	do	1944	354	12-3/4 6-5/8	326 354	Qtal 6	3,697	40.0 43.5	Feb. 7, 1944 Apr. 2, 1960	T, E	Ind	Not used. Slotted from 317-352 ft. Measured yield 135 gpm. Performance test: Drawdown of 49 ft pumping 135 gpm on Apr. 2, 1960. <u>1</u>
* 804	City of El Paso Well 4	F. D. Wynne	1924	882	24 13	200 882	Qtal 6	3,744	82.00 135.34	Jan. 18, 1924 Dec. 14, 1976	T, E	P	Slotted from 465-882 ft. Observation well. <u>1</u> <u>2</u> <u>3</u>
* 805	City of El Paso Well 3	do	1922	862	26 12	243 862	Qtal 6	3,780	112.0 124.21	Oct. 19, 1934 Jan. 27, 1955	--	P	Not used. Slotted from 443-862 ft. Replaced by well 49-13-810. <u>1</u> <u>2</u>
* 806	City of El Paso Well 18	Layne-Texas Company	1940	643	24 13	216 643	Qtal 6	3,703	32.20 92.26	Feb. 28, 1940 Dec. 9, 1976	T, E	P	Slotted from 262-643 ft. Plugged back from 906 ft to 643 ft. Development test: Drawdown of 60 ft pumping 2,200 gpm in 1940. Observation well. <u>1</u> <u>2</u> <u>3</u>
807	Loretto College	--	--	542	7	--	Qtal 6	3,820	145.80 192.65	Nov. 11, 1935 Jan. 5, 1977	N	N	Not used. Observation well. <u>3</u>
* 808	City of El Paso Test Hole 33	C. R. Jensen	1940	623	4	623	Qtal 6	3,697	27.16 54.15	Sept. 20, 1940 July 20, 1977	N	N	Plugged back from 1,007 ft to 623 ft. Screen from 350-620 ft. Observation well. <u>1</u> <u>3</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-13-809	City of El Paso Well 2	City of El Paso	1922	856	20 15-1/2 12	200 482 840	Qtal 6	3,771	116.0	Mar. 22, 1933	N	N	Destroyed. Slotted from 500-840 ft. Performance test: 75 ft drawdown flowing 730 gpm. <u>1</u>
* 810	City of El Paso Well 3a	do	1964	751	24 18	558 752	Qtal 6	3,782	135.28 170.83	Mar. 30, 1964 Dec. 14, 1976	T, E	P	Slotted from 562-752 ft. Gravel packed. Plugged back from 1,331 ft to 751 ft. Pump set at 240 ft. Development test: 76 ft drawdown pumping 1,200 gpm. Observation well. <u>2</u> <u>3</u>
811	City of El Paso	Wheeler Cass	1968	50	1.5	50	Qal Rg	3,695	18.97 39.47	Mar. 21, 1968 Dec. 9, 1976	N	N	Slotted from 20-50 ft. Gravel packed. Observation well. <u>1</u> <u>2</u>
* 812	International Boundary and Water Commission	Dickinson	1967	53	2	53	Qal Rg	3,695	17.66 43.07	July 17, 1967 July 20, 1977	N	N	Observation well. <u>3</u>
* 813	do	do	1967	51	2	51	Qal Rg	3,699	24.23 41.99	July 18, 1967 Feb. 28, 1975	N	N	Do.
* 814	National Park Service	K. C. Wheeler	1968	160	19	160	Qal Rg	3,700	23.47	July 20, 1968	T, E	Irr	Gravel packed.
* 815	Harry Mitchell Brewing Company Well 1	Layne-Texas Company	1934	396	12 10	205 325	Qtal 6	3,697	25.0 37.7	1934 Jan. 22, 1945	Cf, E	Ind	Not used. Screen from 325-358 ft. <u>1</u>
816	City of El Paso	P. D. Wynne	1919	954	18 12	214 918	Qtal 6	3,777	96.0 107.3	May 19, 1919 Jan. 11, 1941	N	N	Not used. Slotted from 475-918 ft. <u>1</u>
* 817	City of El Paso Well 1	Layne-Bowler	1918	860	24 13-1/2	224 885	Qtal 6	3,764	109.0 96.29	May 1931 Jan. 28, 1955	N	N	Destroyed. Screen from 485-605, 695-715, and 755-815 ft. Cement plug from 1,023 ft to 860 ft. <u>1</u>
818	Evergreen Cemetery	Layne-Texas Company	1946	150	10	150	Qal Rg	3,700	22.33	Apr. 12, 1964	T, E	Irr	Estimated yield 300 gpm. Temp. 69°F on May 8, 1964.
819	National Park Service	Cole Drilling	--	137	2.5	--	Qal Rg	3,700	22.60	June 20, 1968	--	N	Observation well.
820	Jefferson High School	do	1952	90	10	--	Qal Rg	3,700	20.24	Apr. 9, 1964	T, E	Irr	Reported yield 300 gpm.
* 821	International Boundary and Water Commission	Dickinson	1967	53	2	53	Qal Rg	3,697	24.31 24.62	July 16, 1967 Feb. 5, 1969	N	N	Destroyed. Historical observation well. <u>3</u>
* 822	El Paso Valley Water District	Layne-Texas Company	1956	801	--	--	--	3,695	--	--	N	N	Abandoned. Test hole with insufficient supply. <u>1</u> <u>2</u>
* 823	City of El Paso Well 408	do	1954	770	26 20 12	68 418 770	Qtal 6	3,696	32.75 62.60	Apr. 30, 1956 Jan. 24, 1975	T, E	P	Screens from 430-450, 460-500, 520-540, 565-585, 595-615, 630-640, and 650-760 ft. Gravel packed. Plugged back from 802 ft to 770 ft. Pump set at 150 ft. Reported yield 600 gpm. Performance test: Drawdown 26 ft pumping 600 gpm. Observation well. <u>1</u> <u>2</u> <u>3</u>
* 824	City of El Paso Well 408-a	City of El Paso	1967	250	24 12	34 250	Qal Rg Qtal 6	3,698	17.34 19.00	Mar. 30, 1967 Jan. 14, 1970	T, E	P	Screened from 75-250 ft. Plugged back from 350 ft to 250 ft. Performance test: Drawdown of 59.2 ft pumping 800 gpm on Mar. 30, 1967. Historical observation well. <u>3</u>
825	U.S. Geological Survey Well 6-a	Texas Highway Department	1972	60	2	57	Qal Rg	3,695	35.79 50.28	June 28, 1972 June 20, 1977	N	N	Screen from 57-60 ft. Observation well. <u>3</u>
827	Evergreen Cemetery	Ballard Drilling Company	1974	225	12	225	Qtal 6	3,700	46.75	Feb. 28, 1975	T, E	Irr	Slotted from 145-225 ft.
* 828	National Park Service	Cole Drilling	1974	535	12-3/4	535	Qtal 6	3,700	89.08	do	T, E	Irr	Slotted from 420-535 ft. Drawdown 28 ft after 36 hours test pumping 900 gpm. <u>2</u>
* 829	U.S. Department of Interior	do	1975	150	4	150	Qal Rg	3,700	50.15	May 7, 1975	N	N	Observation well. Slotted from 120-125, and 145-150 ft. <u>1</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-13-830	City of El Paso	City of El Paso	1975	788	20 12	520 788	Qtal 6	3,700	90.12	Sept. 22, 1975	T, E	P	Screened from 530-788 ft. Drilled to 970 ft and plugged back to 788 ft. Drawdown 81 ft after 24 hours test pumping 1,275 gpm. <u>2</u>
831	do	do	1975	872	20	456	Qtal 6	3,695	--	--	T, E	P	Screened from 503-872 ft. <u>2</u>
* 832	do	Texas Water Development Board	1976	160	4	160	Qal Rg	3,702	48.99 48.10	Mar. 21, 1976 Dec. 20, 1976	N	N	Observation well. Slotted from 100-110 and 150-160 ft. Drilled to 165 ft and plugged back to 160 ft. <u>1 2 3</u>
901	Ashley's	Layne-Texas Company	1952	536	10 8	382 536	Qtal 6	3,922	49.58 --	Mar. 21, 1977 --	T, E	D, Ind	Screens from 313-343, 392-412, 476-496, and 506-526 ft. <u>1</u>
* 902	City of El Paso Well 401	do	1946	704	14 8	541 704	Qtal 6	3,780	104.25 146.20	Oct. 1953 Jan. 22, 1974	T, E	P	Screens from 544-574 and 595-702 ft. Gravel packed. Pump set at 210 ft. Performance test: Drawdown of 44 ft pumping 575 gpm. Observation well. <u>1 2</u>
* 903	Standard Oil Company of Texas Well 7	Wheeler Cass	1956	619	20 12	411 619	Qtal 6	3,861	207.0	Sept. 1956	T, Ng	Ind	Screen from 421-619 ft. Plugged back from 750 ft to 619 ft. Reported yield 500 gpm. <u>1 2</u>
* 904	Standard Oil Company of Texas	--	1928	299	24 13	-- --	Qtal 6	3,750	59.50	Aug. 28, 1935	N	N	Plugged and abandoned. <u>1</u>
905	Texaco Well 2	Layne-Texas Company	1954	673	--	--	Qtal 6	3,735	101.59	Jan. 6, 1961	N	N	Plugged and abandoned.
* 906	Texaco Well 1	P. D. Wynne	1929	694	--	--	Qtal 6	3,735	45.8 64.3	Mar. 20, 1929 June 23, 1954	N	N	Plugged and abandoned. Pump set at 115 ft. Reported yield 1,000 gpm. Performance test: Drawdown of 28 ft on Oct. 22, 1951. <u>1</u>
907	Texaco Well 3	Layne-Texas Company	1954	665	--	--	Qtal 6	3,735	--	--	N	N	Plugged and abandoned. <u>2</u>
908	Phelps-Dodge Refining Corporation Well 2	do	1940	683	20 12	485 683	Qtal 6	3,735	68.19 68.60	June 4, 1940 June 26, 1945	T, E	Ind	Screens from 482-514, 524-546, 574-616, and 649-682 ft. Reported yield 750 gpm. Performance test: Drawdown of 30 ft pumping 750 gpm. <u>1</u>
909	Phelps-Dodge Refining Corporation Well 3	do	1947	671	20 12-3/4	473 647	Qtal 6	3,730	75.0	Oct. 1947	N	N	Plugged and abandoned. Screens from 478-561, 581-591, and 614-646 ft. Gravel packed. Performance test: Drawdown of 70 ft pumping 748 gpm. <u>1 2</u>
* 910	Phelps-Dodge Refining Corporation Well 4	do	1956	642	20 10	362 612	Qtal 6	3,750	110.65	June 29, 1956	N	N	Plugged and abandoned. Screens from 372-427, 452-502, 517-527, 532-542, 547-557, and 567-602 ft. Plugged back from 651 ft to 612 ft. Redrilled in Jan. 1967. Bronze screen from 450-642 ft. Cemented off from 362-450 ft.
* 911	Phelps-Dodge Refining Corporation Well 1	do	1929	706	20 12	-- 640	Qtal 6	3,740	64.0 75.2	Jan. 2, 1931 Jan. 15, 1947	N	N	Plugged and abandoned. Screen from 498-618 ft. Reported yield 745 gpm. <u>1</u>
* 912	City of El Paso Well 402	do	1947	689	14 8-5/8	252 477	Qtal 6	3,692	25.90 58.21	Oct. 1953 Dec. 9, 1976	T, E	P	Screens from 265-308, 351-372, and 394-477 ft. Gravel packed. Pump set at 120 ft. Performance test: Drawdown of 35 ft pumping 610 gpm. Observation well. <u>1 2 3</u>
* 913	El Paso County Water Improvement District No. 1	do	1957	669	--	--	--	3,690	--	--	N	N	Destroyed. <u>1 2</u>
* 914	City of El Paso Well 49	City of El Paso	1961	838	24 18 12	386 536 838	Qtal 6	3,933	289.37 303.78	June 23, 1961 Dec. 14, 1976	T, E	P	Slotted from 398-838 ft. Plugged back from 993 ft to 838 ft. Gravel packed. Measured yield 1,600 gpm. Performance test: Drawdown of 61 ft pumping 1,600 gpm. Observation well. <u>2 3</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-13-915	Standard Oil Company of Texas	Wheeler Cass	1956	830	20 12	316 830	Qtal 6	3,854	190.	Sept. 1956	T, Ng	Ind	Screen from 350-830 ft. Plugged back from 890 ft to 830 ft. Reported yield 1,100 gpm. Performance test: Drawdown of 57 ft pumping 1,416 gpm. <u>1</u> <u>2</u>
* 916	El Paso County Water Improvement District No. 1	Layne-Texas Company	1954	739	--	--	--	3,695	--	--	N	N	Abandoned. Test hole with insufficient supply. <u>1</u> <u>2</u>
* 917	Texaco Well 4	do	1965	678	20 12	525 678	Qtal 6	3,700	--	--	T	Ind	Shutter from 530-565, and 583-668 ft. <u>2</u>
* 918	County of El Paso	K. C. Wheeler	1965	202	16	200	Qal Rg	3,690	23. 25.18	Mar. 1965 Mar. 1, 1974	T, E	Irr	Standby well. Screen from 100-200 ft. Performance test: Drawdown of 57 ft pumping 1,800 gpm. <u>1</u>
919	Phelps-Dodge Refining Corporation Well 6	Layne-Texas Company	1967	764	26 20 12-3/4	36 370 615	Qtal 6	3,770	152.	July 12, 1967	T, E	Ind	Screen from 375-615 ft. Performance test: Drawdown of 50 ft pumping 750-1,200 gpm. <u>1</u> <u>2</u>
* 920	Phelps-Dodge Refining Corporation Well 5	do	1956	580	26 20 12	53 260 580	Qtal 6	3,738	91.	July 28, 1956	T, E	Ind	Screen from 265-580 ft. Plugged back from 655 ft to 580 ft. Performance test: Drawdown of 60 ft pumping 1,067 gpm. <u>1</u> <u>2</u>
* 921	Texaco Well 5	do	1967	765	--	--	Qtal 6	3,752	110.	Jan. 3, 1968	T, E	Ind	Screen from 572-687 ft. Reported yield 250 gpm. Performance test: Drawdown of 140 ft pumping 708 gpm. <u>2</u>
* 922	City of El Paso	Wheeler Cass	--	50	1-1/2	50	Qal Rg	3,685	23.80 31.86	May 2, 1968 Dec. 9, 1976	N	N	Slotted from 20-50 ft. Observation well. <u>1</u> <u>2</u>
923	Standard Oil Company of Texas	Layne-Texas Company	1928	590	10 8	455 590	Qtal 6	3,755	81.50	Aug. 28, 1935	N	N	Plugged and cemented. Screens from 477-514, and 546-588 ft. Performance test: Drawdown of 30 ft pumping 420 gpm. <u>1</u>
* 924	do	do	1930	607	12 10	438 600	Qtal 6	3,770	66.6 60.8	June 6, 1930 Feb. 24, 1944	N	N	Plugged and cemented. Screens from 437-483, 503-547, and 557-598 ft. Reported yield 450 gpm. <u>1</u>
* 925	Standard Oil Company of Texas Well 5	do	1950	644	20 12-3/4	-- --	Qtal 6	3,764	109.	May 7, 1952	N	N	Plugged and cemented. Reported yield 900 gpm. Performance test: Drawdown of 31 ft pumping 945 gpm.
* 926	Standard Oil Company of Texas Well 6	do	1952	652	20	--	Qtal 6	3,764	113.	--	T, E	Ind	Reported yield 800 gpm. Performance test: Drawdown of 52 ft pumping 1,230 gpm. <u>2</u>
927	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1952	23	2	--	Qal Rg	3,695	7.8 34.76	Aug. 14, 1951 Dec. 1976	N	N	Observation well.
928	El Paso County Detention Home	--	1950	290	10	290	Qtal 6	3,695	19.73	June 20, 1956	N	N	Destroyed.
929	El Paso County, Ascarate Park	--	1969	100	16	100	Qal Rg	3,695	--	--	T, E	Irr	Perforated from 50-100 ft. Pump set at 30 ft. Measured yield 1,348 gpm.
930	Paul Ingle	R. D. Will	1950	28	2	--	Qal Rg	3,690	13.73	July 19, 1956	N	N	Destroyed.
931	John Torres	--	--	114	18	--	Qal Rg	3,690	--	--	N	N	Not used. Reported yield 1,575 gpm. <u>4</u>
932	Standard Oil Company of Texas	Wheeler Cass	1961	951	--	--	Qtal 6	3,870	--	--	N	N	Plugged and abandoned. Test well (insufficient water). <u>2</u>
* 933	International Boundary and Water Commission	-- Dickinson	1967	52	2	--	Qal Rg	3,690	19.19 20.03	July 16, 1967 Jan. 26, 1970	N	N	Destroyed. Historical observation well. <u>3</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-13-934	International Boundary and Water Commission	-- Dickinson	1967	53	2	53	Qal Rg	3,692	14.35 20.82	July 17, 1967 Dec. 9, 1974	N	N	Observation well. <u>3</u>
935	County of El Paso	Cole Drilling	1973	192	16	192	Qal Rg	3,690	--	--	T, E	Irr	Slotted from 112-192 ft. Gravel packed. <u>1</u>
* 936	Phelps-Dodge Refining Corporation Well 7	Layne-Texas Company	1970	650	26 20 12-3/4	32 360 560	Qtal 6	3,750	121	Sept. 21, 1970	--	Ind	Shutter from 364-552 ft. Gravel-wall. Performance test: Drawdown of 106 ft pumping 1,016 gpm. <u>1 2</u>
* 937	County of El Paso, Ascarate Park	Morrison Drilling Company	1951	165	30 18	36 165	Qal Rg	3,695	11.63	Feb. 1953	N	N	Abandoned. Estimated yield 1,350 gpm. <u>4</u>
* 938	City of El Paso	Texas Water Development Board	1976	215	4	215	Qtal 6	3,775	116.47	June 2, 1976	N	N	Observation Well. <u>1 2</u>
* 14-101	U.S. Army	Layne-Texas Company	1959	819	24 16	238 819	Qtal 6	3,960	274	Aug. 21, 1959	T, E	P	Yield measured 1,645 gpm with 74 ft drawdown after 24 hours pumping on Aug. 21, 1959.
* 102	do	do	1952	404	3	400	Qtal 6	3,953	253.6 282.87	Feb. 27, 1952 Jan. 5, 1977	N	N	Test well. Screened from 390-400 ft. <u>1 2 3</u>
103	do	--	--	225	8	--	Qtal 6	3,942	253.4 269.4	Oct. 4, 1950 Jan. 6, 1954	N	N	Abandoned.
104	City of El Paso	City of El Paso	1973	942	24 16	333 942	Qtal 6	3,945	304	Nov. 1973	T, E	P	Slotted from 382-422, 465-505, and 527-942 ft. Electric log to 1,116 ft. <u>2</u>
105	do	do	1973	960	24 16	322 960	Qtal 6	3,933	305 275.64	Jan. 15, 1976	T, E	P	Slotted from 468-782, 816-887, 922-960 ft. Drawdown 70 ft after 21 hours pumping 1,750 gpm. <u>2</u>
* 201	U.S. Army	Layne-Texas Company	1952	500	3	490	Qtal 6	4,005	315.9 327.25	Mar. 24, 1952 Jan. 3, 1968	N	N	Screened from 490-500 ft. Observation well. <u>2</u>
* 301	do	B & W Drilling Company	1953	420	3	420	Qtal 6	4,005	314.2 282.87	Jan. 6, 1954 Jan. 5, 1977	N	N	Test well. Slotted from 410-420 ft. Plugged back from 1,200 ft to 420 ft. Used for observation. <u>1 2 3</u>
302	do	Payne & Ballard	1940	--	7	--	Qtal 6	3,997	301.6 301.2	Apr. 25, 1952 Mar. 5, 1954	C, W	N	Reported yield 18 gpm.
* 401	City of El Paso	City of El Paso	1960	830	24 18 12	311 510 830	Qtal 6	3,955	292.94 332.89	Nov. 28, 1960 Dec. 7, 1976	T, E	P	Slotted from 323-830 ft. Plugged back from 930 ft to 830 ft. <u>1 2 3</u>
* 402	do	do	1960	745	24 18 12	312 556 745	Qtal 6	3,945	281.00 316.10	Nov. 18, 1960 Dec. 7, 1976	T, E	P	Slotted from 319-555, and 555-745 ft. Drawdown 54 ft after 8 hours pumping 1,200 gpm on Nov. 18, 1960. Plugged back from 831 ft to 745 ft. <u>1 2 3</u>
* 403	do	do	1960	490	4	490	Qtal 6	3,972	300.73 319.63	Nov. 15, 1960 Jan. 1972	N	N	Plugged back from 722 ft to 490 ft. Observation well. <u>3</u>
* 404	U.S. Army	Layne-Texas Company	1952	750	6-5/8	750	Qtal 6	3,952	266.73 310.95	Jan. 18, 1952 Jan. 1974	N	N	Slotted from 710-750 ft. Observation well. <u>1 2 3</u>
* 405	International Airport	do	1951	550	6-5/8	494	Qtal 6	3,953	268.1 310.24	Jan. 9, 1952 Jan. 11, 1976	N	N	Slotted from 410-430, and 473-494 ft. Observation well. <u>1 2 3</u>
* 406	City of El Paso	City of El Paso	1966	816	24 18	335 791	Qtal 6	3,953	303.3 325.81	Jan. 23, 1967 Dec. 7, 1976	T, E	P	Slotted from 400-791 ft. Drawdown 82 ft after 21.5 hours pumping 1,400 gpm on Jan. 24, 1967. <u>3</u>
407	do	C. R. Jensen	1939	1,072	--	--	Qtal 6	3,948	--	--	N	N	Test well. Electric log indicates fresh water sands extend to 875 ft. <u>1 2</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface datum (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-14-408	City of El Paso	C. R. Jensen	1938	1,131	--	--	Qtal 6	3,941	--	--	N	N	Test well. Electric log indicates fresh water sands extend to 780 ft. <u>1/2</u>
* 409	do	do	1939	608	--	--	Qtal 6	3,926	--	--	N	N	Test well. Plugged back from 1,097 ft to 608 ft. Electric log indicates fresh-water sands extend to 875 ft. <u>1/2</u>
* 410	do	do	1939	957	--	--	Qtal 6	3,964	--	--	N	N	Test well. Electric log and drill-stem tests indicate fresh-water sands extend to 565 ft. <u>1/2</u>
411	do	Holland Page, Jr.	1951	340	8 4	304 340	Qtal 6	3,950	308	July 1951	C, E	P, Ind	Reported yield 25 gpm.
* 412	do	Wheeler Cass	1965	695	22 12	300 696	Qtal 6	3,955	319	Dec. 1965	T, E	P, Irr	Drawdown 27 ft after 3 hours pumping 1,000 gpm in Dec. 1965. <u>2</u>
* 413	do	City of El Paso	1970	600	24 16	336 600	Qtal 6	3,972	322.40 332.49	Jan. 1973 Dec. 7, 1976	T, E	P	Slotted from 390-600 ft. Yield 700 gpm. Test well drilled to 722 ft in Nov. 1960. <u>1/2</u>
* 414	do	--	1970	700	24 16 12	329 574 700	Qtal 6	3,955	303 315.78	Oct. 23, 1970 Dec. 7, 1976	T, E	P	Slotted from 342-700 ft. <u>1/2</u> <u>2/3</u>
* 415	do	City of El Paso	1972	960	24 16	322 960	Qtal 6	3,938	303.34 319.13	Jan. 1973 Jan. 15, 1976	T, E	P	Slotted from 468-782, 816-886, and 920-960 ft. Yield 2,005 gpm. <u>1/2</u> <u>2/3</u>
416	do	do	1973	950	24 16	310 950	Qtal 6	3,944	314.32	Oct. 11, 1973	T, E	P	Slotted from 536-950 ft. Drawdown 89 ft pumping 2,000 gpm. Electric log to 1,116 ft.
* 501	U.S. Geological Survey	B & W Drilling Company	1953	950	--	--	Qtal 6	3,977	319.3	Apr. 17, 1953	N	N	Test well. Plugged. Electric logs and drill-stem tests indicate fresh-water sands to 555 ft. <u>1/2</u>
* 502	U.S. Army	Wheeler Cass	1933	378	6	378	Qtal 6	4,010	322.0 322.4	June 13, 1936 June 20, 1942	N	N	Plugged and covered.
* 503	Northeast Furniture	Joe Bradford	1971	440	8	440	Qtal 6	3,976	--	--	Sub, E	P	Provides water for trailer court. Temp. 80°F on July 7, 1976.
* 504	U.S. Army	Layne-Texas Company	1967	500	18 8-5/8	75 495	Qtal 6	4,000	328.9	Sept. 5, 1967	T, E	P	Drawdown 19 ft after 24 hours pumping 22 gpm in Dec. 1967. <u>1/2</u>
505	Northeast Furniture	Brown & Ledford	1960	430	6	430	Qtal 6	3,976	--	--	Sub, E	P	Provides water for trailer court.
* 507	Floyd Cass	--	1957	344	6-5/8	344	Qtal 6	3,992	--	--	N	N	Estimated yield 30 gpm. Abandoned and capped when began to pump sand.
508	do	Wheeler Cass	1958	360	10-5/8	360	Qtal 6	3,992	328.82	Oct. 9, 1973	Sub, E	D, S, P	Slotted from 320-360 ft. Supplies trailers and stables.
509	George Dashley	do	1967	360	6-5/8	360	Qtal 6	3,985	--	--	Sub, E	D, S	--
* 601	Evergreen Cemetery East	K. Wheeler	1965	487	12	487	Qtal 6	3,998	--	--	T, E	Irr	Perforated from 330-487 ft.
* 602	Desert Acceptance Corp.	--	1971	--	10-5/8	--	Qtal 6	4,000	319.9	Oct. 9, 1973	Sub, E	P	Provides water for about 40 trailers.
603	Evergreen Cemetery East	K. Wheeler	1964	480	8	480	Qtal 6	3,998	330	Sept. 1964	N	N	Perforated from 330-480 ft. Plugged and sanded up. <u>1/2</u>
* 605	do	Joe Bradford	1976	463	12-3/4	463	Qtal 6	3,998	326 324.7	May 17, 1976 July 6, 1976	T, E	Irr	Slotted from 340-463 ft. <u>1/2</u>
* 606	Ernest Begley	do	1974	440	8-5/8	440	Qtal 6	4,002	300	Nov. 20, 1974	Sub, E	D	Slotted from 350-440 ft. Pumped 37 gpm. <u>1/2</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-14-607	Desert Acceptance Corp.	Joe Bradford	1972	--	16 10-5/8	--	Qtal 6	4,005	--	--	Sub, E	P	Supplies trailer park.
608	do	K. Wheeler	1966	--	10-5/8	--	Qtal 6	4,000	319.6	Oct. 9, 1973	N	N	Abandoned. Pumped sand.
* 701	City of El Paso Well 38	City of El Paso	1959	722	24 18 12	334 342 722	Qtal 6	3,955	295.80 332.51	May 14, 1959 Dec. 15, 1976	T, E	P	Slotted from 342-722 ft. Gravel packed. Development test: Drawdown of 66 ft pumping 1,480 gpm on May 15, 1959. Observation well. <u>1 2 3</u>
* 702	City of El Paso Well 409	Layne-Texas Company	1955	655	20 12	354 655	Qtal 6	3,965	310.25 340.48	May 30, 1956 Dec. 8, 1976	T, E	P	Screens from 385-570 and 600-650 ft. Plugged back from 845 ft to 655 ft. Reported yield 700 gpm. Performance test: Drawdown of 22 ft pumping 700 gpm on May 30, 1956. Observation well. <u>1 2 3</u>
* 703	City of El Paso Well 410	do	1956	762	26 20 12	42 318 762	Qtal 6	3,872	213.00 234.88	May 15, 1956 Dec. 14, 1976	T, E	P	Screens from 360-380, 430-450, 480-500, 520-562, 612-640, 660-680, 690-710, and 750-760 ft. Plugged back from 815 ft to 762 ft. Gravel packed. Pump set at 400 ft. Performance test: Drawdown of 44 ft pumping 1,034 gpm. Observation well. <u>1 2 3</u>
* 704	City of El Paso Well 407	El Paso Drilling Company	1954	610	20 12	247 610	Qtal 6	3,822	173.00 195.85	Feb. 15, 1958 Jan. 16, 1974	T, E	P	Screens from 256-276, 300-340, 354-394, 406-446, 476-526, and 554-604 ft. Gravel packed. Plugged back from 727 ft to 610 ft. Pump set at 260 ft. Observation well. <u>1 2 3</u>
* 705	City of El Paso Well 411	Layne-Texas Company	1956	690	20 12	350 690	Qtal 6	3,960	318.75 337.77	Nov. 23, 1956 Jan. 1973	T, E	P	Screens from 360-380, 390-400, 430-470, 490-540, 560-580, 590-630, and 640-690 ft. Gravel packed. Plugged back from 763 ft to 690 ft. Pump set at 250 ft. Yield 1,000 gpm. Observation well. <u>1 2 3</u>
* 706	City of El Paso Well 48	City of El Paso	1961	618	24 18 12	280 500 635	Qtal 6	3,947	281.36 311.19	Jan. 23, 1961 Dec. 7, 1976	T, E	P	Slotted 18 in. from 299-500 ft and slotted 12 in. from 500-618 ft. Plugged back from 705 ft to 618 ft. Gravel packed. Development test: Drawdown of 73 ft pumping 1,000 gpm on Jan. 23, 1961. Temp. 79°F. Observation well. <u>2 3</u>
* 707	City of El Paso Well 50	do	1961	747	24 18 12	375 520 747	Qtal 6	3,920	291.10 306.73	June 19, 1961 Dec. 14, 1976	T, E	P	Slotted 18 in. from 383-520 ft and slotted 12 in. from 520-747 ft. Plugged back from 901 ft to 747 ft. Pump set at 400 ft. Yield 1,400 gpm. Development test: Drawdown of 62 ft pumping 1,400 gpm on June 19, 1961. Temp. 79°F. Observation well. <u>2 3</u>
* 708	Standard Oil Company of Texas	Wheeler Cass	1961	750	20 14 12	220 330 750	Qtal 6	3,802	163.0	Feb. 25, 1962	T, E	Ind	Plugged back from 803 ft to 750 ft. Yield 780 gpm. Performance test: Drawdown of 33 ft pumping 720 gpm. <u>2</u>
* 709	City of El Paso Well 64	City of El Paso	1967	814	24 18	327 460	Qtal 6	3,950	320.40 334.73	Oct. 17, 1967 Dec. 15, 1976	T, E	P	Slotted 18 in. from 350-460 ft. Gravel packed. Pump set at 439 ft. Yield 1,160 gpm. Observation well. <u>3</u>
* 710	City of El Paso Well 406	Layne-Texas Company	1953	555	20 12	240 555	Qtal 6	3,830	167.00 185.93	Jan. 1956 Jan. 1972	T, E	P	Screens from 244-274, 282-312, 324-394, 404-424, 438-468, and 550-555 ft. Plugged back from 691 ft to 555 ft. Gravel packed. Pump set at 310 ft. Reported yield 802 gpm. Performance test: Drawdown of 36 ft pumping 800 gpm on Mar. 7, 1956. Observation well. <u>2 3</u>
* 711	City of El Paso Well 405	do	1952	490	18 10 8	255 309 490	Qtal 6	3,755	86.50 142.62	Oct. 1953 Jan. 16, 1974	T, E	P	Screens from 260-280, 320-400, 430-440, and 450-480 ft. Gravel packed. Pump set at 150 ft. Reported yield 600 gpm. Performance test: Drawdown of 30 ft pumping 600 gpm. Temp. 80°F. Observation well. <u>1 2 3</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-14-712	East Side Development and Country Club	Layne-Texas Company	--	595	--	--	--	3,975	310	--	N	N	Test hole (Golf Course). Electric log indicates no fresh water. <u>2</u>
* 713	Price's Dairy	do	1956	562	26 20 12 10	-- -- -- 560	Qtal 6	3,730	76	May 5, 1956	T, E	D, S, Ind	Screen from 272-550 ft. Performance test: Drawdown of 33 ft pumping 662 gpm. <u>1</u>
* 714	City of El Paso Well 65	City of El Paso	1967	650	18 12	300 350	Qtal 6	3,941	278.30 286.31	Sept. 11, 1967 Jan. 7, 1974	T, E	P	Slotted 12 in. from 350-480 ft. Gravel packed. Pump set at 400 ft. Estimated yield 500 gpm. Performance test: Drawdown of 40 ft pumping 500 gpm. Observation well. <u>2</u> <u>3</u>
* 715	City of El Paso Well 68	do	1969	680	24 16	300 370	Qtal 6	3,940	293.09 297.18	Mar. 7, 1969 Jan. 7, 1974	T, E	P	Slotted 16 in. from 370-545 ft. Gravel packed. Pump set at 420 ft. Yield 743 gpm. Observation well. <u>2</u> <u>3</u>
* 716	City of El Paso Well 70	do	1969	560	24 16	300 360	Qtal 6	3,950	315.45 321.86	Nov. 5, 1969 Jan. 15, 1975	T, E	P	Slotted 16 in. from 360-560 ft. Gravel packed. Pump set at 440 ft. Estimated yield 700 gpm. Observation well. <u>2</u> <u>3</u>
* 717	City of El Paso Well 71	do	1969	555	24 16	330 410	Qtal 6	3,958	309.37 318.75	Jan. 1971 Dec. 7, 1976	T, E	P	Slotted 16 in. from 410-555 ft. Gravel packed. Pump set at 430 ft. Estimated yield 700 gpm. Observation well. <u>2</u> <u>3</u>
* 718	City of El Paso Well 69	do	1969	540	24 16	310 377	Qtal 6	3,880	233.96 240.40	Jan. 1971 Jan. 7, 1974	T, E	P	Slotted 16 in. from 377-540 ft. Gravel packed. Pump set at 400 ft. Estimated yield 700 gpm. Observation well. <u>3</u>
720	City of El Paso	Texas Water Development Board	1976	190	4	190	Qtal 6	3,755	--	--	N	N	Observation well. <u>1</u> <u>2</u>
* 801	Lane's Dairy	--	--	350	6-5/8	--	Qtal 6	3,995	--	--	N	N	Abandoned.
802	Foster Schwartz Golf Resort Development Company Well 1	Layne-Texas Company	1972	535	20 12-3/4	290 535	Qtal 6	3,930	276	Mar. 2, 1972	T, E	Irr	Screens from 330-440, 450-480, and 485-525 ft. Plugged back from 660 ft to 535 ft. Gravel packed. Performance test: Drawdown of 46 ft pumping 709 gpm on Mar. 2, 1972. <u>1</u>
803	Foster Schwartz Golf Resort Development Company Well 2	do	1972	530	20 12-3/4	290 530	Qtal 6	3,935	275	Apr. 20, 1972	T, E	Irr	Screens from 332-410 and 420-520 ft. Plugged back from 620 ft to 530 ft. Gravel packed. Performance test: Drawdown of 63 ft pumping 626 gpm on Apr. 20, 1972. <u>1</u> <u>2</u>
* 15-301	G. McCardle	Cole Drilling Company	1976	558	10-3/4	558	Qtal 6	4,126	--	--	Sub, E	P	Supplies trailer and small housing development. Pumped 86 gpm.
* 401	Hueco Club (EPNG)	El Paso Drilling Company	1953	600	10-1/4	600	Qtal 6	4,018	332	Apr. 6, 1954	T, G	D	Pump set at 470 ft.
* 402	do	Wheeler Cass	1958	795	--	--	Qtal 6	4,008	329	Sept. 1958	N	N	Abandoned. Insufficient supply. <u>1</u>
403	Desert Oasis Trailer Park	Joe Bradford	1971	445	10	445	Qtal 6	4,008	320	Jan. 15, 1971	Sub, E	P	Slotted from 345-445 ft. Drawdown 5 ft after 6 hours pumping 180 gpm. <u>1</u>
* 404	Hueco Club (EPNG)	Layne-Texas Company	1973	640	26 12-3/4	32 640	Qtal 6	4,009	340	July 5, 1976	T, E	E, Irr	Slotted from 350-410 and 590-630 ft. Production 375 gpm; pumping level 357 ft. Temp. 92°F on July 5, 1976. <u>1</u>
405	Dan Olivas	Cecil Ballard	1973	535	6-1/2	535	Qtal 6	4,024	353.68	do	N	N	--
* 406	Desert Oasis Trailer Park	Joe Bradford	1975	440	10-3/4	440	Qtal 6	4,008	325	Mar. 1, 1975	Sub, E	P	Slotted from 360-440 ft. Supplies trailer park. Temp. 78°F on July 5, 1976. <u>1</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-15-407	Carl Ferrara	Joe Bradford	1972	400	8	400	Qtal 6	4,014	300	July 6, 1976	Sub, E	D	Pumped 34 gpm. Temp. 78°F on July 7, 1976. <u>1</u>
* 501	Fred Kyle	Fred Kyle	1962	450	8	400	Qtal 6	4,030	332	1964	Sub, E	D	Temp. 80°F on July 5, 1976.
502	Bill Vickers	Joe Bradford	1971	430	8-5/8	430	Qtal 6	4,026	320	Mar. 11, 1971	Sub, E	D	Gravel packed.
* 503	Desert Sands Gun Club	--	--	--	--	--	Qtal 6	4,037	--	--	Sub, E	D	Temp. 88°F on July 7, 1976.
* 504	George Nabhan	Joe Bradford	1974	417	6	412	Qtal 6	4,045	360	Sept. 16, 1974	Sub, E	D	Slotted from 312-412 ft. Temp. 86°F on July 5, 1976. <u>1</u>
* 701	El Paso Natural Gas Well 2	El Paso Drilling Company	1953	596	24 10-3/4	32 596	Qtal 6	4,023	336.60 349.70	June 4, 1953 May 6, 1972	N	N	Capped. To be used for cathodic protection. Slotted from 345-376, 380-435, 439-454, 470-495, 510-514, and 543-591 ft. Gravel packed. Reported yield 300 gpm. Temp. 84.5°F. <u>1</u> <u>2</u>
* 702	El Paso Natural Gas Well 1	do	1953	638	24 10 8	27 499 620	Qtal 6	4,024	340.80 346.00	June 4, 1953 Mar. 7, 1972	N	N	Capped. To be used for cathodic protection. Perforated from 298-466, 467-485, and 550-610 ft. Gravel packed. Reported yield 300 gpm. <u>1</u> <u>2</u>
801	R. C. Sparks Estate	J. T. Hatch	1945	415	6	--	Qtal 6	4,033	371.37 359.60	Apr. 29, 1952 Sept. 6, 1956	N	N	Destroyed.
* 802	El Paso Natural Gas Well 4	Layne-Texas Company	1972	640	26 12-3/4	33 640	Qtal 6	4,053	392 420	Aug. 14, 1972 Mar. 8, 1973	T, E	F, Ind	Slotted from 404-413, 429-469, 551-581, and 610-630 ft. Gravel packed. Plugged back from 660 ft to 640 ft. Pump set at 514 ft. Reported yield 162 gpm. Performance test: Drawdown of 79 ft pumping 285 gpm on Aug. 14, 1972. Temp. 100°F. <u>1</u> <u>2</u>
* 803	El Paso Natural Gas Well 3	do	1968	552	26 12-3/4	24 552	Qtal 6	4,054	377 392.2	Sept. 30, 1968 Oct. 1, 1973	Sub, E	F, Ind	Slotted from 400-410, 428-448, 458-468, 492-502, and 516-536 ft. Gravel packed. Plugged back from 620 ft to 552 ft. Pump set at 502 ft. Reported yield 95 gpm. Performance test: Drawdown of 143 ft pumping 200 gpm on Sept. 30, 1968. Temp. 94°F. <u>1</u> <u>2</u>
804	El Paso Natural Gas	do	1972	629	--	--	--	4,048	--	--	N	N	Test hole. <u>1</u> <u>2</u>
* 901	R. C. Sparks Estate	--	1902	440	6	440	Qtal 6	4,057	383.40 379.35	Apr. 10, 1936 Feb. 6, 1954	C, W	S	--
902	J. Navar	--	--	1,100	--	--	Qtal 6	4,075	700	--	--	S	Not potable.
903	El Paso Natural Gas	--	1968	565	--	--	--	4,065	--	--	--	--	Test hole. <u>1</u> <u>2</u>
904	do	--	1968	551	--	--	--	4,075	--	--	--	--	Do.
* 21-101	City of El Paso Well DR-E	City of El Paso	1954	52	20	25	Qal Rg	3,710	29.59 51.21	Mar. 26, 1968 Dec. 20, 1971	N	N	Not used. Slotted from 25-50 ft. Temp. 66°F. Observation well. <u>3</u>
* 102	International Boundary and Water Commission	-- Dickinson	1967	100	2	52	Qal Rg	3,711	34.89 89.33	July 20, 1967 Jan. 1974	N	N	Destroyed. Observation well. <u>3</u> Originally drilled to 52 feet. Deepened to 100 ft in 1972.
* 103	El Paso Milling Company	--	1912	398	10	398	Qtal 6	3,707	12.6 36.23	Aug. 23, 1935 Jan. 27, 1955	N	N	Destroyed. Reported yield 500 gpm.
* 301	City of El Paso Well 413	Layne-Texas Company	1957	692	20 12	440 692	Qtal 6	3,692	30.26 55.15	Sept. 20, 1957 Dec. 15, 1975	T, E	F	Screens from 452-492, 512-612, and 622-682 ft. Gravel packed. Plugged back from 787 ft to 692 ft. Pump set at 140 ft. Yield 815 gpm. Observation well. <u>1</u> <u>2</u> <u>3</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-21-302	W. L. Sherrall	--	1954	30	2	30	Qal Rg	3,685	10.10 12.10	July 18, 1956 Feb. 15, 1957	C, E	Irr	--
303	City of El Paso	Wheeler Cass	1968	50	1-1/2	50	Qal Rg	3,685	9.25 8.84	Mar. 21, 1968 Sept. 29, 1975	N	N	Slotted from 20-50 ft. Gravel packed. Observation well. <u>1</u> <u>3</u>
304	do	do	1968	50	1-1/2	50	Qal Rg	3,682	12.03 14.13	Mar. 21, 1968 June 18, 1976	N	N	Do.
* 305	El Paso County Water Control & Improvement District No. 1	Layne-Texas Company	1956	676	--	--	--	3,685	--	--	N	N	Abandoned. Test hole with insufficient supply. <u>1</u> <u>2</u>
* 306	International Boundary and Water Commission	-- Dickinson	1967	52	2	52	Qal Rg	3,688	8.62 13.45	July 17, 1967 July 20, 1977	N	N	Observation well. <u>3</u>
307	Sam Leiper	--	--	100	14	--	Qal Rg	3,685	--	--	T, E	Irr	Yield 650 gpm. <u>4</u>
308	Texas and New Orleans Railroad	--	--	165	16	--	Qal Rg	3,685	--	--	T, Ng	Irr	Yield 2.5 cfm. Temp. 65°F. <u>4</u>
22-101	Jose G. Valles	--	1953	65	--	--	Qal Rg	3,673	--	--	N	N	Destroyed. Yield 552 gpm. <u>4</u>
* 102	City of El Paso Well 412	Layne-Texas Company	1956	323	26 10	37 323	Qtal 6	3,810	142.00 163.17	Jan. 1957 Dec. 13, 1976	T, E	P	Screens from 190-220 and 236-316 ft. Plugged back from 576 ft to 323 ft. Gravel packed. Pump set at 210 ft. Performance test: Drawdown of 66 ft pumping 556 gpm. Observation well. <u>1</u> <u>2</u> <u>3</u>
* 103	City of El Paso Well 403	do	1947	386	14 8-5/8	230 386	Qtal 6	3,715	50.00 66.76	Oct. 1953 Nov. 30, 1976	T, E	P	Screens from 242-310 and 339-383 ft. Plugged back from 786 ft to 386 ft. Gravel packed. Pump set at 130 ft. Performance test: Drawdown of 51 ft pumping 580 gpm. Observation well. <u>1</u> <u>2</u> <u>3</u>
* 104	El Paso County Water Control & Improvement District No. 1	do	1955	60	26	60	Qal Rg	3,683	21.72 22.87	Aug. 15, 1956 Sept. 6, 1973	N	N	Abandoned. Test hole. Plugged back from 740 ft to 60 ft. <u>1</u>
105	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1952	32	2	--	Qal Rg	3,688	21.51 30.10	June 27, 1956 Dec. 1976	N	N	Observation well.
106	City of El Paso	Wheeler Cass	1968	50	1-1/2	50	Qal Rg	3,700	27.19 27.62	Mar. 21, 1968 July 18, 1968	N	N	Destroyed. Historical observation well. <u>1</u>
107	do	do	1968	50	1-1/2	50	Qal Rg	3,700	22.10 21.77	Apr. 10, 1968 June 19, 1969	N	N	Destroyed. Historical observation well. <u>1</u> <u>3</u>
* 108	do	do	1968	50	1-1/2	50	Qal Rg	3,678	7.45 7.37	May 2, 1968 Dec. 9, 1976	N	N	Slotted from 20-50 ft. Observation well. <u>3</u>
109	F.F.A. Farm	--	--	80	12	--	Qal Rg	3,689	7.92 18.50	Mar. 9, 1953 Dec. 4, 1957	T, Ng	Irr	Yield 875 gpm. <u>4</u>
110	Mike Navarro	--	--	191	--	--	Qtal 6	3,750	106.3 107.7	July 26, 1956 Nov. 19, 1957	N	N	Abandoned.
111	Mayfield, Devoto and Herron	--	--	60	18	--	Qal Rg	3,684	--	--	N	N	Destroyed. <u>4</u>
* 112	V. C. and M. C. Randel	--	--	115	18	--	Qal Rg	3,688	--	--	T, Ng	Irr	<u>4</u>
113	Don C. Thomas	--	--	300	12	--	Qal Rg/ Qtal 6	3,683	18.39 17.30	Nov. 19, 1956 Dec. 4, 1957	N	N	Destroyed. Yield 1,400 gpm. Temp. 65°F. <u>4</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-22-114	Don C. Thomas	--	--	300	16	--	Qal Rg/ Qtal 6	3,682	20.74	July 26, 1956	N	N	Destroyed. Yield 1,643 gpm. Temp. 65°F. <u>4</u>
115	N. G. Nabhan	--	1951	80	8	80	Qal Rg	3,683	--	--	--	Irr	Estimated yield 200 gpm. Temp. 65°F. <u>4</u>
* 116	Janet Protzman	--	--	151	20	--	Qal Rg	3,684	--	--	T, Ng	Irr	Reported yield 1,693 gpm. Temp. 67°F. <u>4</u>
117	Sidney M. Metzger	Payne & Ballard	1951	158	18	158	Qal Rg	3,680	18.76 19.05	June 21, 1956 Jan. 16, 1976	T, Ng	Irr	Abandoned. Plugged back from 181 ft to 158 ft. Pump set at 103 ft. Reported yield 1,800 gpm. Historical observation well. <u>1 3 4</u>
* 118	Pleasant Valley	--	--	100	18	--	Qal Rg	3,680	21.49	June 21, 1956	T, G	Irr	Destroyed. Reported yield 1,122 gpm. <u>4</u>
119	George Pendell	--	--	60	6	--	Qal Rg	3,675	--	--	N	N	Destroyed. Reported yield 900 gpm. <u>4</u>
120	J. T. Guynes	--	--	128	16	--	Qal Rg	3,675	18.16	June 22, 1956	T, G	Irr	Pump set at 75 ft. Yield 1,395 gpm. <u>4</u>
121	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1952	26	2	--	Qal Rg	3,676	10.2 15.00	Nov. 17, 1952 Dec. 1976	N	N	Observation well.
* 122	City of El Paso Well 73	City of El Paso	1971	360	24 16	180 360	Qtal 6	3,682	25.00 25.21	Nov. 15, 1971 Nov. 30, 1976	T, E	P	Slotted from 200-360 ft. Gravel packed. Pump set at 160 ft. Estimated yield 700 gpm. Observation well. <u>2 3</u>
123	T. D. Porcher	--	--	--	--	--	Qal Rg	3,683	21.45	Sept. 6, 1973	T, Ng	Irr	<u>4</u>
124	City of El Paso	City of El Paso	1975	460	20	302	Qtal 6	3,675	--	--	T, E	P	Screened from 339-460 ft. Drawdown 61 ft after 24 hours pumping 700 gpm on Feb. 29, 1975. <u>2</u>
* 201	do	Layne-Texas Company	1947	219	14 8-5/8	81 219	Qtal 6	3,720	52.00 35.31	June 5, 1947 Jan. 14, 1976	T, E	P	Screen from 86-210 ft. Plugged back from 600 ft to 219 ft. Gravel packed. Pump set at 150 ft. Performance test: Drawdown of 26 ft pumping 243 gpm. Observation well. <u>1 2 3</u>
203	do	Wheeler Cass	1968	50	1-1/2	50	Qal Rg	3,670	10.86 12.33	Apr. 10, 1968 June 27, 1972	N	N	Slotted from 30-50 ft. Gravel packed. Observation well. <u>1 3</u>
204	-- Franco	--	--	60	--	--	Qal Rg	3,670	--	--	N	N	Destroyed.
* 205	J. M. Escobar	Meyers Pump Company	1954	87	16	--	Qal Rg	3,670	14.2 10.7	July 16, 1956 Oct. 11, 1973	T, G	Irr	Reported yield 112 gpm. <u>4</u>
* 206	El Paso County Water Control & Improvement District No. 1	Layne-Texas Company	1955	1,511	26	220	--	3,725	--	--	N	N	Abandoned. Test hole. <u>1 2</u>
* 207	James Hay	--	1957	--	--	--	Qal Rg	3,669	10.09	Oct. 11, 1973	T, Ng	Irr	<u>4</u>
210	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1952	25	2	--	Qal Rg	3,674	10.7 13.30	Nov. 17, 1952 Dec. 1976	N	N	Observation well.
211	T. W. Shaugnessy	--	--	100	18	--	Qal Rg	3,677	13.43	Oct. 11, 1973	T, Ng	Irr	Pump set at 80 ft. <u>4</u>
212	Mrs. Frankie Smith	--	--	150	6	150	Qal Rg	3,670	--	--	N	N	Not used. <u>4</u>
213	Foster Schwartz Golf Resort Development Company Well 3	Layne-Texas Company	1973	450	20 12-3/4	300 450	Qtal 6	3,930	--	--	T, E	Irr	Slotted from 330-440 ft. Gravel packed. Pump set at 300 ft. Reported yield 285 gpm. <u>2</u>
214	N. C. Floyd	--	--	--	12	--	Qal Rg	3,677	12.71	Oct. 11, 1973	T, G	Irr	Gravel packed.
301	Horizon Land Corporation	--	--	578	--	--	--	3,910	--	--	N	N	Test hole. <u>2</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-22-302	Casa Manana Estates	K. C. Wheeler	1963	280	12	100	Qtal 6	3,780	--	--	S, E	P	Screened from 100-280 ft. Pump set at 160 ft. Reported yield 140 gpm. <u>1</u>
* 401	City of El Paso	Layne-Texas Company	1957	103	18	103	Qal Rg	3,671	9.72 7.93	Dec. 3, 1957 Jan. 16, 1977	N	N	Not used. Test hole drilled to 1,499 feet. Abandoned for public use: insufficient supply. Slotted from 30-103 ft. Plugged back from 1,499 ft to 103 ft. Reported yield 700 gpm. Observation well. <u>1</u> <u>2</u> <u>3</u> <u>4</u>
* 402	Ysleta Independent School District	--	--	98	16	--	Qal Rg	3,672	10.65 5.97	July 13, 1956 May 10, 1977	T, Ng	Irr	Yield 1,558 gpm on Apr. 15, 1955. Temp. 66°F. Observation well. <u>3</u> <u>4</u>
* 403	Playa Company, Inc.	--	1948	100	16	--	Qal Rg	3,672	--	--	N	N	Destroyed. Reported yield 1,344 gpm on May 4, 1951. <u>4</u>
* 404	do	--	--	90	16	--	Qal Rg	3,673	--	--	N	N	Not used. Capped with metal plate. Reported yield 1,814 gpm on Apr. 3, 1951. <u>4</u>
* 405	Winford Rushing	--	--	90	16	--	Qal Rg	3,673	16.58	Mar. 8, 1974	T, Ng	Irr	Reported yield 1,800 gpm on Mar. 14, 1956. <u>4</u>
406	F. G. Alderete	--	--	150	16	--	Qal Rg	3,669	12.29 8.00	Nov. 16, 1956 Sept. 5, 1973	T, G	Irr	Reported yield 1,575 gpm on Mar. 20, 1956. Temp. 66°F. <u>4</u>
* 407	Texas Department of Water Resources--U.S. Bureau of Reclamation	Texas Water Development Board	1977	510	--	--	Qal Rg/ Qtal 6	3,674	--	--	N	N	Test hole. <u>1</u> <u>2</u>
* 501	City of El Paso	Wheeler Case	1968	50	1-1/2	50	Qal Rg	3,670	8.94 8.83	Apr. 10, 1968 Dec. 15, 1976	N	N	Slotted from 20-50 ft. Gravel packed. Observation well. <u>3</u>
* 502	do	do	1968	50	1-1/2	50	Qal Rg	3,665	10.12 10.14	May 2, 1968 Mar. 23, 1973	N	N	Destroyed. Slotted from 20-50 ft. Gravel packed. Observation well. <u>1</u> <u>3</u>
503	J. T. Guynes	--	--	155	18	--	Qal Rg	3,666	12.72 12.15	Mar. 9, 1953 Jan. 12, 1954	T, G	Irr	Reported yield 1,769 gpm on Apr. 9, 1955. <u>4</u>
504	H. V. Chaney	Brown & Ledford	1954	60	6	60	Qal Rg	3,670	--	--	Cf, G	--	Perforated from 30-60 ft. Yield 252 gpm on Apr. 29, 1955. <u>4</u>
505	Associated Investment	--	--	112	16	--	Qal Rg	3,675	17.80 11.70	July 16, 1956 Nov. 9, 1973	T, E	N	Not used. <u>4</u>
* 506	Construction Control	--	--	128	18	--	Qal Rg	3,677	22.5 12.30	July 16, 1956 Oct. 5, 1973	T, Ng	Irr	Pump set at 75 ft. Yield 500 gpm. Temp. 68°F on July 12, 1972. <u>4</u>
507	F. W. Cooper	--	--	110	16	--	Qal Rg	3,675	21.38 11.54	July 16, 1956 Oct. 5, 1973	T, Ng	Irr	Pump set at 76 ft. <u>4</u>
508	Charlie Jensen	--	--	60	6	--	Qal Rg	3,675	--	--	N	N	Not used. <u>4</u>
* 509	K. J. Rabe	--	1955	67	16	--	Qal Rg	3,670	18.15 11.25	June 13, 1956 Oct. 5, 1973	T, G	Irr	Not used. Pump set at 62 ft. Yield 459 gpm on Apr. 29, 1955. <u>4</u>
510	M. J. Oechsner	--	--	--	10	--	Qal Rg	3,670	10.43	do	T	Irr	Yield 384 gpm on Apr. 11, 1955. <u>4</u>
511	Mrs. D. P. Luther	--	--	115	18	115	Qal Rg	3,764	11.35	do	T, Ng	Irr	Gravel packed. <u>4</u>
* 512	Texalon Corporation	--	1950	160	16	160	Qal Rg	3,671	16.10 10.29	Nov. 16, 1956 Mar. 13, 1974	N	N	Not used. Perforated from 20-160 ft. Pump set at 65 ft. <u>4</u>
513	Home Mortgage Company	--	--	124	16	--	Qal Rg	3,671	18.03 8.70	Nov. 16, 1956 Oct. 10, 1973	T, G	Irr	Pump set at 80 ft. Yield 900 gpm on Mar. 15, 1955. <u>4</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-22-514	J. D. Abrams, Inc.	Payne & Ballard	1951	138	16	138	Qal Rg	3,670	16.81 8.32	Nov. 16, 1956 Oct. 10, 1973	T, G	Irr	Perforated from 40-138 ft. Pump set at 70 ft. Yield 1,343 gpm. <u>4</u>
515	George B. Spence	--	--	147	18	--	Qal Rg	3,670	16.29 7.39	Nov. 16, 1956 Jan. 6, 1977	T, G	Irr	Pump set at 135 ft. Yield 1,589 gpm on June 4, 1951. Observation well. <u>3</u> <u>4</u>
516	Valley Development Corporation	--	--	139	18	--	Qal Rg	3,670	6.00	Oct. 9, 1973	T, G	Irr	Pump set at 70 ft. <u>4</u>
517	Louis Burrus	--	--	96	16	96	Qal Rg	3,665	3.70	Oct. 10, 1973	T, G	Irr	Slotted from 45-96 ft. Pump set at 70 ft.
518	Valley Development Corporation	--	--	105	20	--	Qal Rg	3,673	19.61 8.47	June 19, 1956 Oct. 9, 1973	T, G	Irr	Pump set at 80 ft. <u>4</u>
519	Emma Schreck	--	--	125	20	--	Qal Rg	3,670	--	--	N	N	Destroyed. Pump set at 92 ft. Yield was 1,775 gpm. <u>4</u>
520	H. & H. Company, Ltd.	--	--	118	18	--	Qal Rg	3,670	10.42	Oct. 5, 1973	T, Ng	Irr	Gravel packed. Pump set at 80 ft. Yield 1,010 gpm. <u>4</u>
521	George and Edna Kurita	--	--	68	--	--	Qal Rg	3,673	--	--	N	N	Destroyed. <u>4</u>
* 522	A. and C. Hulbert	--	--	90	16	98	Qal Rg	3,673	11.01	Oct. 5, 1973	T, Ng	Irr	Slotted from 70-90 ft. Pump set at 80 ft. Yield 1,100 gpm on Apr. 20, 1955. Temp. 68°F. <u>4</u>
523	Featherlite Corporation	--	--	121	18	--	Qal Rg	3,670	--	--	N	N	Not used. <u>4</u>
524	Glen English	--	1951	95	12	--	Qal Rg	3,669	15.38	July 13, 1956	N	N	Destroyed. Pump set at 70 ft. Yield 646 gpm on June 26, 1951. <u>4</u>
525	V. L. Wilson	--	1953	--	12	--	Qal Rg	3,669	--	--	T, G	Irr	<u>4</u>
526	K. B. Ivey Well 2	--	--	87	20	--	Qal Rg	3,668	23.27 7.44	July 13, 1956 Oct. 9, 1973	T, Ng	Irr	Gravel packed. Pump set at 65 ft. Reported yield 674 gpm on Mar. 14, 1955. <u>4</u>
527	K. B. Ivey Well 3	--	--	156	18	--	Qal Rg	3,668	18.90 17.10	Nov. 16, 1956 Nov. 29, 1957	T, Ng	Irr	Gravel packed. Pump set at 120 ft. Reported yield 1,625 gpm on Apr. 29, 1956. <u>4</u>
* 528	Louise C. Bagge	--	--	120	16	--	Qal Rg	3,665	7.13	Oct. 9, 1973	T, G	Irr	Gravel packed. Pump set at 100 ft. <u>4</u>
529	E. E. Jennings and A. Bogardos	Jimmie Carr	1954	86	16	--	Qal Rg	3,666	9.71	do	T, Ng	Irr	Gravel packed. Pump set at 60 ft. <u>4</u>
* 530	R. R. Apodaca	--	1954	93	16	93	Qal Rg	3,670	22.25 11.40	July 13, 1956 Oct. 5, 1973	N	N	Not used. Capped. Gravel packed. Pump set at 85 ft. Yield 1,032 gpm on Apr. 29, 1955. <u>4</u>
531	A. J. Apodaca	--	--	117	16	117	Qal Rg	3,670	22.24 7.94	July 13, 1956 Jan. 6, 1977	T, Ng	Irr	Gravel packed. Pump set at 70 ft. Observation well. <u>3</u> <u>4</u>
532	May Yanagidate	--	--	62	3	62	Qal Rg	3,670	--	--	CF, E	N	Not used. Gravel packed. <u>4</u>
533	Marie Ivey Investment Company	Mesa Equipment Company	1954	60	16	60	Qal Rg	3,668	8.52	Oct. 9, 1973	N	N	Not used. Gravel packed. Capped with metal plate. Pump set at 40 ft. <u>4</u>
534	Mt. Carmel Cemetery	--	--	95	16	95	Qal Rg	3,670	23.60 14.40	July 13, 1956 Nov. 9, 1973	T, Ng	Irr	Gravel packed. Pump set at 85 ft. Reported yield 1,125 gpm on Mar. 20, 1956. <u>4</u>
535	do	--	--	126	16	126	Qal Rg	3,669	18.85 12.30	Nov. 16, 1956 Oct. 9, 1973	T, G	Irr	Gravel packed. Yield 1,350 gpm on Mar. 22, 1955. <u>4</u>
536	Hosmer W. Hill Estate	--	--	96	16	96	Qal Rg	3,668	25.45 10.21	July 11, 1956 Jan. 6, 1977	T, G	Irr	Gravel packed. Pump set at 70 ft. Yield 1,215 gpm on Apr. 25, 1955. Observation well. <u>3</u> <u>4</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-22-537	Industry West-Joint Venture	--	1952	96	18	96	Qal Rg	3,666	13.75 7.28	Feb. 13, 1952 Oct. 9, 1973	T, Ng	Irr	Gravel packed. Pump set at 78 ft. Yield 1,541 gpm on Feb. 13, 1952. Performance test: Drawdown of 53 ft pumping 1,600 gpm. <i>y</i>
538	Ambrosio Trujillo Estate	--	--	84	14	84	Qal Rg	3,669	--	--	T, Ng	Irr	Perforated from 64-84 ft. Gravel packed. Pump set at 70 ft. <i>y</i>
539	E. Grijalva, Sr. Estate	Meyers Pump Company	1953	92	16	92	Qal Rg	3,667	24.80 9.20	July 11, 1956 Oct. 9, 1973	T, G	Irr	Gravel packed. Pump set at 70 ft. Yield 1,292 gpm on Apr. 29, 1955. <i>y</i>
540	C. B. Lawrence	--	--	75	16	75	Qal Rg	3,665	11.66	Oct. 5, 1973	T, Ng	Irr	Gravel packed. Pump set at 70 ft. <i>y</i>
* 541	El Paso Skeet Club, Inc.	--	--	100	16	100	Qal Rg	3,665	11.77	do	T, G	Irr	Gravel packed. Pump set at 80 ft. Yield 990 gpm on Aug. 24, 1972. Temp. 67°F. <i>y</i>
542	Richard Hakim	--	--	--	16	--	Qal Rg	3,665	11.82	Nov. 9, 1973	N	N	Not used. <i>y</i>
543	Phil Stadtler, Jr.	Wheeler Cass	1954	130	16	130	Qal Rg	3,664	--	--	T, Ng	Irr	Perforated from 40-130 ft. Gravel packed. Pump set at 90 ft. Yield 1,544 gpm on Apr. 20, 1955. <i>y</i>
544	-- Woods	--	--	33	12	--	Qal Rg	3,674	14.27	July 16, 1956	N	N	Destroyed.
* 545	Industry West-Joint Venture	-- Greenwood	1953	137	20	137	Qal Rg	3,667	13.93 24.40	Mar. 10, 1953 Dec. 3, 1957	T, G	Irr	Gravel packed. Pump set at 70 ft. Yield 1,643 gpm on Apr. 21, 1955. <i>y</i>
546	Emilio Elenes	--	--	--	4	--	Qal Rg	3,675	--	--	Cf, G	N	Not used. <i>y</i>
547	A. Dominguez, Jr.	--	--	--	10	--	Qal Rg	3,675	--	--	N	N	Do.
548	Catholic Diocese of El Paso	--	--	100	--	--	Qal Rg	3,670	13.14	Nov. 9, 1973	T, Ng	Irr	<i>y</i>
549	Ken Rushing	Cecil Ballard	1972	131	16	131	Qal Rg	3,669	10.60	Oct. 5, 1973	T, G	Irr	Slotted from 50-130 ft. Gravel packed. Pump set at 90 ft. <i>y</i>
550	J. C. Goodman	-- Schieffer	1962	87	18	87	Qal Rg	3,673	--	--	T, E	Irr	Slotted from 67-87 ft. Gravel packed.
551	H. B. McEndarfer	Aqua Drilling Company	1972	75	12-1/2	75	Qal Rg	3,670	9.00	Aug. 20, 1972	T, E	Irr	Slotted from 37-74 ft. Pump set at 50 ft. Performance test: Drawdown of 0 ft pumping 60 gpm. <i>y</i>
552	Gabina Treviso	--	--	90	16	90	Qal Rg	3,665	--	--	T, G	Irr	Pump set at 70 ft. <i>y</i>
* 553	Texas Department of Highways and Public Transportation	Texas Highway Department	1970	50	6	50	Qal Rg	3,673	--	--	Sub, E	Irr	Slotted from 30-50 ft. Pump set at 40 ft.
* 601	City of El Paso	Wheeler Cass	1968	50	1-1/2	50	Qal Rg	3,665	9.25 9.47	May 2, 1968 Dec. 15, 1976	N	N	Slotted from 20-50 ft. Observation well. <i>y</i> <i>z</i>
602	Marie Ivey Investment Company	--	--	126	20	126	Qcal 6	3,667	17.95 17.40	Nov. 16, 1956 Nov. 29, 1957	T, G	Irr	Gravel packed. Pump set at 100 ft. Yield 1,795 gpm on June 4, 1951. <i>y</i>
603	Louis Burrus	--	--	120	18	120	Qal Rg	3,662	4.17	Oct. 10, 1973	T, Ng	Irr	Slotted from 45-120 ft. Gravel packed. Pump set at 100 ft. Yield 1,347 gpm on Mar. 14, 1955. <i>y</i>
604	E. P. Trujillo	--	--	113	16	113	Qal Rg	3,660	8.08	do	T, Ng	Irr	Gravel packed. Pump set at 107 ft. Yield 953 gpm. <i>y</i>
605	Manuela Vasquez, et al.	--	1953	110	16	110	Qal Rg	3,660	22.08 7.63	July 13, 1956 Oct. 10, 1973	T, Ng	Irr	Gravel packed. Pump set at 105 ft. <i>y</i>
* 606	F. M. Bagge	--	--	70	6	70	Qal Rg	3,660	--	--	N	N	Abandoned. <i>y</i>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-22-607	J. S. Samples	Cecil Ballard	1955	100	10	100	Qal Rg	3,660	--	--	T, G	Irr	Perforated from 60-100 ft. Gravel packed. Yield 1,188 gpm on Oct. 13, 1955.
608	Hilario Diaz	--	1953	90	16	90	Qal Rg	3,660	18.33 17.20	Nov. 16, 1956 Nov. 29, 1957	N	N	Not used. Pump set at 75 ft. <i>4</i>
609	Eleanor Coldwell Estate	--	--	60	16	60	Qal Rg	3,660	16.69 14.20	Nov. 16, 1956 Nov. 29, 1957	T, G	Irr	Gravel packed. Pump set at 55 ft. <i>4</i>
610	Eligio Grijalva, Jr.	--	--	90	16	90	Qal Rg	3,660	20.34	July 2, 1956	T, Ng	Irr	Gravel packed. Pump set at 76 ft. <i>4</i>
611	Jesus B. Lira	--	--	100	16	100	Qal Rg	3,660	19.30 8.78	do Oct. 10, 1973	T, Ng	Irr	Gravel packed. Pump set at 70 ft. <i>4</i>
612	Eleanor Coldwell Estate	--	--	150	18	150	Qal Rg	3,656	17.51 6.36	Nov. 16, 1956 Jan. 16, 1977	N	N	Gravel packed. Pump set at 115 ft. Yield 1,904 gpm on Aug. 14, 1951. Observation well. <i>3 4</i>
* 613	Ben Ivey	Morrison Drilling Company	1958	312	16	312	Qtal 6	3,750	109 108.55	Feb. 5, 1960 Oct. 11, 1973	T	Irr, Ind	Not used. Perforated from 150-312 ft. Gravel packed.
614	Rudy Grijalva	--	--	146	18	--	Qal Rg	3,659	11.75 10.05	Mar. 10, 1953 Oct. 10, 1973	T	Irr	Pump set at 90 ft. Temp. 66°F. <i>4</i>
615	Louis Burrus Well 2	--	--	96	16	96	Qal Rg	3,660	7.73	Oct. 10, 1973	T, G	Irr	Screen from 45-96 ft. <i>4</i>
* 616	Horizon Land Corporation	K. C. Wheeler	--	220	--	--	Qtal 6	3,750	100	--	N	N	Not used. Capped. Reported yield 1,500 gpm. Performance test: Drawdown of 60 ft pumping 1,000 gpm.
* 617	do	do	1969	--	--	--	--	3,740	--	--	N	N	Test hole.
618	do	do	--	--	--	--	Qtal 6	3,730	--	--	T, E	P	Gravel packed. Reported yield 600 gpm.
* 803	City of El Paso	Wheeler Cass	1968	50	1-1/2	50	Qal Rg	3,664	7.08 6.78	May 2, 1968 May 10, 1977	N	N	Slotted from 20-50 ft. Gravel packed. Observation well. <i>1 3</i>
805	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1952	26	2	--	Qal Rg	3,659	9.0 8.5	Nov. 17, 1952 Dec. 1976	N	N	Observation well.
806	City of El Paso	--	--	90	14	--	Qal Rg	3,663	15.6 10.2	July 11, 1956 Dec. 4, 1957	N	N	Abandoned. Pump set at 85 ft. Yield 1,059 gpm on June 22, 1951. <i>4</i>
807	J. H. Winn	--	--	135	18	--	Qal Rg	3,664	16.06 8.32	Nov. 19, 1956 July 25, 1973	N	N	Not used. Capped with steel plate. Pump set at 100 ft. Yield 1,687 gpm on June 21, 1951. <i>4</i>
808	City of El Paso	--	--	127	18	--	Qal Rg	3,664	13.67 8.30	Nov. 19, 1956 Dec. 4, 1957	N	N	Not used. Pump set at 100 ft. Yield 2,439 gpm on Apr. 28, 1955. <i>4</i>
* 809	do	--	--	85	16	--	Qal Rg	3,664	14.79 7.02	Nov. 16, 1956 Jan. 6, 1977	N	N	Not used. Capped. Yield 1,350 gpm on Mar. 24, 1955. Temp. 66°F. Observation well. <i>3 4</i>
810	do	--	--	80	16	--	Qal Rg	3,664	14.36 11.10	Nov. 16, 1956 Nov. 4, 1957	N	N	Abandoned. <i>4</i>
811	Juan Armendariz	--	--	92	14	--	Qal Rg	3,660	--	--	T, Ng	Irr	Pump set at 70 ft. Yield 1,224 gpm on Apr. 29, 1955. <i>4</i>
812	Gilbert Sanchez	Bill Mize	1954	84	16	83	Qal Rg	3,660	19.23 13.82	July 11, 1956 Mar. 12, 1974	T, Ng	Irr	Pump set at 70 ft. <i>1 4</i>
813	E. K. Newcomer	--	--	75	6	--	Qal Rg	3,661	--	--	N	N	Abandoned. Pump set at 20 ft. Yield 673 gpm on July 6, 1951.

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-22-814	O. M. Slape, C. R. Willey, and D. J. Stadler	--	--	100	16	--	Qal Rg	3,664	20.42 7.70	July 5, 1956 July 26, 1973	N	N	Abandoned. <i>4</i>
816	O. M. Slape	--	--	124	16	--	Qal Rg	3,664	18.34 9.06	Nov. 11, 1956 Nov. 26, 1973	N	N	Not used. Pump set at 80 ft. Yield 1,540 gpm on May 15, 1951. <i>4</i>
817	City of El Paso	--	--	100	16	--	Qal Rg	3,663	--	--	N	N	Abandoned. <i>4</i>
* 818	El Paso County Water Control & Improvement District No. 1	Layne-Texas Company	1957	1,517	8	--	--	3,662	--	--	N	N	Not used. Abandoned test hole. <i>1 2</i>
819	M. C. Lettunich and Tony Apodaca	--	--	84	9	--	Qal Rg	3,660	25.82	July 11, 1956	N	N	Abandoned. Pump set at 70 ft. Yield 522 gpm on Apr. 29, 1955. <i>4</i>
820	S. J. Ashley	--	--	80	16	--	Qal Rg	3,660	--	--	N	N	Not used. Temp. 66°F on June 28, 1955. <i>4</i>
821	Harlan O'Leary and William Muscovie	Payne & Ballard	1954	115	--	--	Qal Rg	3,660	16.25	July 10, 1956	N	N	Not used. Capped with metal plate. <i>4</i>
* 822	Nacenciano Chavez	--	--	102	16	--	Qal Rg	3,660	21.91 9.80	July 20, 1956 July 26, 1973	T, Ng	Irr	Pump set at 75 ft. Temp. 66°F on Sept. 3, 1956. <i>4</i>
823	Vidal Fresquez	Payne & Ballard	--	92	16	--	Qal Rg	3,662	8.22	July 11, 1956	N	N	Abandoned. <i>4</i>
824	do	do	1956	94	18	90	Qal Rg	3,662	15.59 8.53	July 20, 1956 July 26, 1973	T, G	Irr	Slotted from 48-90 ft. <i>1 4</i>
* 825	City of El Paso	--	--	74	14	--	Qal Rg	3,660	14.39 8.45	Nov. 19, 1956 July 26, 1973	N	N	Not used. Capped with metal plate. <i>4</i>
* 826	Douglas Soper	Payne & Ballard	1956	83	16	--	Qal Rg	3,660	13.12 8.62	Nov. 19, 1956 July 26, 1973	N	N	Abandoned. Historical observation well. <i>3 4</i>
827	City of El Paso	--	--	87	14	--	Qal Rg	3,662	--	--	N	N	Not used. Pump set at 40 ft. Yield 860 gpm on Apr. 15, 1955. <i>4</i>
828	do	Jimmy Carr	1953	70	14	--	Qal Rg	3,663	8.65	July 26, 1973	N	N	Not used. Capped. <i>4</i>
* 829	W. D. Surratt	--	--	72	16	--	Qal Rg	3,659	--	--	T, G	N	Not used. Pump set at 60 ft. Temp. 66°F on Apr. 19, 1955. <i>4</i>
* 830	City of El Paso	Bill Mize	1954	100	18	100	Qal Rg	3,661	26.48	July 9, 1956	N	N	Abandoned. Slotted from 20-100 ft. Yield 1,373 gpm on July 13, 1955. <i>4</i>
831	do	--	--	97	14	--	Qal Rg	3,660	--	--	T, G	Irr	Pump set at 96 ft. Yield 1,760 gpm on Apr. 19, 1955. Temp. 67°F. <i>4</i>
832	do	Rayford Guffy	1954	108	18	--	Qal Rg	3,658	7.03	July 25, 1973	N	N	Not used. Capped with metal plate. Temp. 66°F on May 31, 1955. <i>4</i>
833	do	-- Bills	1953	90	16	--	Qal Rg	3,660	--	--	N	N	Not used. Capped with metal plate. Yield 1,111 gpm on Mar. 24, 1955.
834	do	--	--	72	18	--	Qal Rg	3,658	23.62 6.80	July 6, 1956 Jan. 6, 1977	N	N	Not used. Pump set at 62 ft. Yield 721 gpm on Apr. 24, 1955. Observation well. <i>3 4</i>
835	Leandro Jasso	--	--	--	8	--	Qal Rg	3,658	23.90	July 6, 1956	CF, E	Irr	--
836	City of El Paso	-- Greenwood	1950	84	20	--	Qal Rg	3,658	19.20 14.50	do Nov. 19, 1957	N	N	Destroyed. Pump set at 70 ft. Yield 2,330 gpm on Mar. 25, 1955. Temp. 66°F. <i>4</i>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-22-837	El Paso County Water Improvement District No. 1	Wheeler Cass	1972	403	--	--	--	3,660	--	--	N	N	Test hole. <u>1/2</u>
838	Simona Sanchez	Ted Gardea	1956	62	16	60	Qal Rg	3,660	--	--	T, G	Irr	Slotted from 40-62 ft. Pump set at 60 ft. Reported yield 1,200 gpm. <u>4</u>
* 839	Texas Department of Water Resources--U.S. Bureau of Reclamation	Texas Department of Water Resources--U.S. Bureau of Reclamation	1977	261	--	--	Qtal 6	3,668	--	--	N	N	Test hole. <u>1/2</u>
* 840	do	do	1977	420	--	--	Qtal 6	3,666	--	--	N	N	Do.
901	J. S. Samples	George McKenzie	1951	125	18	--	Qtal 6	3,660	19.54	July 5, 1956	T, Ng	Irr	Pump set at 90 ft. Yield 1,147 gpm on May 31, 1951. <u>4</u>
902	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1952	29	2	--	Qal Rg	3,655	8.0 7.2	Nov. 17, 1952 Dec. 1976	N	N	Observation well.
903	F. A. Reedy	--	--	96	18	--	Qal Rg	3,659	--	--	T, Ng	Irr	Pump set at 75 ft. Temp. 66°F on Apr. 5, 1955. <u>4</u>
904	H. D. Hilley	Basube & Rube	1952	130	18	--	Qal Rg	3,657	24.96	July 6, 1956	N	N	Not used. <u>4</u>
905	D. P. Magee	--	--	70	16	--	Qal Rg	3,657	7.8	Aug. 6, 1973	T, Ng	Irr	Pump set at 60 ft. Temp. 66°F on June 30, 1955. <u>4</u>
906	Mrs. D. S. Carlson	--	--	117	16	117	Qal Rg	3,656	20.0 7.40	July 3, 1956 Aug. 6, 1973	T, G	Irr	Slotted from 30-117 ft. Pump set at 80 ft. <u>4</u>
* 907	Texas Experimental Farm	Wheeler Cass	1952	111	16	111	Qal Rg	3,652	22.58 6.03	July 3, 1956 July 27, 1973	T, Ng	Irr	Slotted from 61-111 ft. Pump set at 90 ft. Reported yield 1,615 gpm on Apr. 4, 1955. Temp. 65°F. <u>4</u>
* 908	R. C. Sparks Estate	Morrison Drilling Company	1951	145	18	--	Qal Rg	3,654	7.30	do	N	N	Not used. Pump set at 90 ft. Yield 1,611 gpm on Apr. 21, 1955. Temp. 66°F. <u>4</u>
909	Louis Burrus	--	--	80	10	--	Qal Rg	3,649	14.00 7.02	July 2, 1956 Jan. 6, 1977	N	N	Not used. Observation well. <u>3/4</u>
910	Francis Plise	-- Miner	1955	60	14	60	Qal Rg	3,651	15.01 7.25	July 2, 1956 Mar. 8, 1974	T, Ng	Irr	Pump set at 40 ft. <u>4</u>
* 911	R. C. Sparks Estate	Morrison Drilling Company	1951	138	16	--	Qal Rg	3,650	13.95 16.1	July 2, 1956 Dec. 2, 1957	N	N	Destroyed. Pump set at 80 ft. Yield 1,337 gpm on Apr. 21, 1955. <u>4</u>
912	Columbus P. Brown	--	--	104	16	--	Qal Rg	3,654	--	--	N	N	Not used. Capped with metal plate. Temp. 66°F on June 4, 1955. <u>4</u>
913	R. R. Delgado	--	--	--	18	--	Qal Rg	3,654	22.86 9.10	July 20, 1956 July 27, 1973	N	N	Not used. Capped with metal plate. Temp. 66°F on Apr. 29, 1955. <u>4</u>
* 914	Escontrias Farms, Inc.	Rayford Guffy	1954	113	16	--	Qal Rg	3,655	19.44 9.29	July 5, 1956 July 27, 1973	T, Ng	Irr	Pump set at 90 ft. Reported estimated yield 1,000 gpm. Temp. 67°F on Aug. 6, 1956. <u>4</u>
915	J. W. McAllister Estate	Payne & Ballard	1955	100	18	--	Qal Rg	3,657	24.94	July 10, 1956	T, Ng	Irr	Pump set at 70 ft.
916	do	Wheeler Cass	1953	131	20	--	Qal Rg	3,657	26.85 6.97	do July 27, 1973	T, Ng	Irr	Pump set at 90 ft. Yield 1,278 gpm on Apr. 21, 1955. <u>4</u>
917	E. P. Trujillo	Mesa Quedman	1953	68	16	--	Qal Rg	3,650	25.86 11.00	June 29, 1956 Aug. 6, 1973	T, Ng	Irr	Pump set at 50 ft. Yield 1,210 gpm on Mar. 30, 1955. Temp. 66°F. <u>4</u>
* 918	J. V. McAdoo	--	1953	90	16	--	Qal Rg	3,650	20.27 8.80	June 29, 1956 Aug. 6, 1973	T, Ng	Irr	Pump set at 70 ft. <u>4</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-22-919	Robert Y. Adams	--	--	68	16	--	Qal Rg	3,650	26.66 10.98	July 20, 1956 Aug. 6, 1973	T, G	Irr	Pump set at 50 ft. Yield 1,224 gpm on Apr. 21, 1955. Temp. 66°F. <i>4</i>
920	Concepcion Trujillo	--	--	95	16	--	Qal Rg	3,656	8.20	July 27, 1973	T, G	Irr	Pump set at 70 ft. Yield 1,449 gpm on Apr. 21, 1955. Temp. 65°F. <i>4</i>
921	H. T. Shioja	Morrison Drilling Company	1951	134	18	134	Qal Rg	3,654	22.89	July 10, 1956	T, G	Irr	Slotted from 40-134 ft. Pump set at 115 ft. Yield 1,625 gpm on Apr. 29, 1955. <i>4</i>
922	H. L. and H. J. Pederson, and D. R. Cramer	--	1953	85	16	85	Qal Rg	3,654	20.53 9.91	Nov. 15, 1956 Jan. 6, 1977	T, G	Irr	Pump set at 70 ft. Yield 1,089 gpm on Apr. 21, 1956. Temp. 66°F. Observation well. <i>3 4</i>
923	D. S. Strachan	--	--	73	16	--	Qal Rg	3,653	7.9	Aug. 7, 1973	T, Ng	Irr	Pump set at 60 ft. <i>4</i>
924	Columbus P. Brown	--	--	108	16	--	Qal Rg	3,649	24.30 17.20	July 3, 1956 Nov. 19, 1957	N	N	Destroyed. <i>4</i>
* 925	J. P. Mayfield Well 3	--	--	--	16	--	Qal Rg	3,650	8.70	Aug. 6, 1973	T, Ng	Irr	Temp. 66°F on Sept. 4, 1956. <i>4</i>
926	Pedro G. Grijalva	Payne & Ballard	1955	110	16	110	Qal Rg	3,653	--	--	T, Ng	Irr	Slotted from 40-110 ft. Pump set at 70 ft. Reported yield 900 gpm.
927	Columbus P. Brown	Morrison Drilling Company	1950	129	18	--	Qal Rg	3,653	13.10 22.20	Mar. 10, 1953 Nov. 19, 1957	T, Ng	Irr	Pump set at 90 ft. Yield 1,144 gpm on June 13, 1951. Temp. 66°F on June 17, 1955. <i>4</i>
928	John Sales	--	--	130	16	--	Qal Rg	3,651	25.56 9.08	June 29, 1956 Aug. 7, 1973	T, Ng	Irr	Pump set at 80 ft. Yield 1,067 gpm on Apr. 21, 1955. <i>4</i>
* 929	J. P. Borgas	Mesa Quedman	1954	127	18	--	Qal Rg	3,655	21.05 8.61	July 2, 1956 Aug. 6, 1973	T, Ng	Irr	Pump set at 90 ft. Yield 1,122 gpm on Apr. 16, 1955. Temp. 66°F on July 30, 1956. <i>4</i>
* 930	Lyman Bagge	-- Tillery	1956	126	16	126	Qal Rg	3,652	23.16 9.17	Nov. 14, 1956 Aug. 7, 1973	N	N	Not used. Slotted from 50-126 ft. Reported yield 800 gpm.
931	Louise Bagge	-- Scoggins	1951	126	18	126	Qal Rg	3,650	20.63 5.33	Nov. 15, 1956 Aug. 6, 1973	T, Ng	Irr	Slotted from 18-126 ft. Pump set at 90 ft. Reported yield 1,000 gpm. Temp. 66°F on June 25, 1955. <i>4</i>
932	Harlan O'Leary and William Muscovic	--	1951	75	16	--	Qal Rg	3,650	18.78 9.47	July 5, 1956 July 12, 1973	T, Ng	Irr	Pump set at 60 ft. <i>4</i>
* 933	H. E. Campbell	George McKenzie	1951	72	16	--	Qal Rg	3,657	25.70	July 9, 1956	T, G	Irr	Pump set at 71 ft. Yield 1,093 gpm. <i>4</i>
934	Myrtle C. Hilley	Meyers Pump Company	1954	72	16	72	Qal Rg	3,650	16.35 7.60	July 10, 1956 July 26, 1973	T, Ng	Irr	Slotted from 40-72 ft. Yield 1,606 gpm on Mar. 17, 1955. <i>4</i>
935	H. D. Hilley	Payne & Ballard	1954	86	16	--	Qal Rg	3,650	16.60	July 5, 1956	T, G	Irr	Pump set at 60 ft. <i>4</i>
936	Mrs. Grace H. Hill	--	--	73	8	--	Qal Rg	3,648	19.47 8.60	July 3, 1956 July 24, 1973	T, G	Irr	Pump set at 11 ft. <i>4</i>
937	S. O. Roberts, Jr., et al.	--	--	78	16	--	Qal Rg	3,650	21.19 10.60	Nov. 15, 1956 Jan. 6, 1977	T, Ng	Irr	Pump set at 68 ft. Yield 882 gpm on Apr. 21, 1956. Observation well. <i>3 4</i>
938	Western Valley Land (c/o R. Jones)	--	--	140	18	--	Qal Rg	3,655	16.54 6.09	July 9, 1956 July 26, 1973	T	N	Not used. Pump set at 80 ft. <i>4</i>
* 939	Jack Stallings	Cole Drilling	1974	100	--	--	Qal Rg	3,650	--	--	T, G	--	Test hole. To be plugged back from 500 to 100 ft and completed. <i>4</i>
940	H. D. Hilley	Equipment Supply Company	1952	90	18	--	Qal Rg	3,655	19.78 6.44	July 10, 1956 July 27, 1973	T, G	Irr	Pump set at 75 ft. <i>4</i>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface datum (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-22-941	--	--	--	--	16	--	Qal Rg	3,654	12.80	Mar. 8, 1973	T, G	Irr	--
942	Columbus P. Brown	Cecil Ballard	1972	109	16	109	Qal Rg	3,650	12.00	July 3, 1972	T, G	Irr	Slotted from 64-109 ft. <u>1</u>
943	Ramon Ortega	--	--	90	16	90	Qal Rg	3,655	8.00	Mar. 8, 1974	N	N	Not used. Capped with metal plate. <u>4</u>
944	G. D. Gipson	Ted Gardea	1970	45	8	45	Qal Rg	3,650	4.00	Sept. 10, 1970	W	Irr	Perforated from 38-45 ft. <u>1</u>
945	Ernie Portillo and Manuel Flores	--	--	--	16	--	Qal Rg	3,656	--	--	T, G	Irr	<u>4</u>
* 23-201	R. C. Sparks Estate	J. R. Hatch	1944	440	6	440	Qtal 6	4,026	356.92 357.82	Apr. 29, 1952 Sept. 6, 1956	C, W	S	Destroyed.
* 501	do	J. T. Hatch	1944	500	6	--	Qtal 6	4,021	370.64	Feb. 6, 1954	N	N	Do.
* 502	Horizon Land Corporation	--	1962	560	--	--	--	4,029	--	--	N	N	Destroyed. Test hole. <u>2</u>
503	do	Layne-Texas Company	1960	983	--	--	--	4,030	--	--	N	N	Not used. Test hole. <u>1</u> <u>2</u>
* 504	do	K. C. Wheeler	1958	530	14	530	Qtal 6	4,016	--	--	T, E	P	Slotted from 470-530 ft. Gravel packed. Pump set at 500 ft. Reported yield 180 gpm. <u>2</u>
* 505	do	--	1961	558	--	--	Qtal 6	4,029	--	--	N	N	Destroyed. <u>2</u>
* 506	do	K. C. Wheeler	1961	495	12	495	Qtal 6	4,015	--	--	T, E	P	Slotted from 445-495 ft. Gravel packed. Reported yield 230 gpm. <u>2</u>
* 507	do	do	1965	520	12	520	Qtal 6	4,027	--	--	Sub, E	Ind	Slotted from 470-520 ft. Gravel packed. Pump set at 480 ft. Reported yield 130 gpm. <u>2</u>
508	do	--	1961	628	--	--	--	4,023	--	--	N	N	Not used. Test hole. <u>2</u>
* 509	do	--	1962	615	--	--	--	4,028	--	--	N	N	Do.
* 601	U.S. Geological Survey	B & W Drilling Company of Texas	1953	1,100	--	--	--	4,048	397.2	Aug. 1, 1953	N	N	Plugged. Test hole. Gravel packed. <u>1</u> <u>2</u>
602	Horizon Land Corporation	--	1961	560	--	--	--	4,025	--	--	N	N	Not used. Test hole. <u>2</u>
* 701	City of El Paso	Wheeler Cass	1968	50	1-1/2	50	Qal Rg	3,648	8.44 9.54	June 7, 1968 Oct. 27, 1971	N	N	Destroyed. Historical observation well. <u>1</u> <u>3</u>
* 702	Union "76" Service Station	Ballard & Tillary	1959	235	14	235	Qtal 6	3,770	120.90 124.59	Sept. 2, 1960 Nov. 20, 1973	N	N	Not used. Gravel packed. Insufficient water. Historical observation well. <u>3</u>
703	Edward L. and E. Lester Millican, et al.	--	1950	56	18	--	Qal Rg	3,646	11.8 6.72	June 29, 1956 Aug. 7, 1973	T, Ng	Irr	Pump set at 54 ft. Reported yield 1,100 gpm. <u>4</u>
* 704	Columbus P. Brown	--	1954	50	18	50	Qal Rg	3,648	14.24 8.67	Nov. 14, 1956 Jan. 17, 1976	T, G	Irr	Perforated from 18-50 ft. Pump set at 50 ft. Reported yield 700 gpm. Temp. 65°F on Sept. 5, 1956. Observation well. <u>3</u> <u>4</u>
705	L. S. Christenson	Meyers Pump Company	1954	63	16	--	Qal Rg	3,645	16.29 8.54	July 2, 1956 Aug. 7, 1973	T, G	Irr	Pump set at 53 ft. Reported yield 700 gpm. <u>4</u>
706	Howard C. Jackson	Joe Bradford	1973	212	6	212	Qtal 6	3,800	140.0	June 1, 1973	Sub, E	P	Slotted from 162-212 ft. Gravel packed. Pump set at 180 ft. <u>1</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-23-707	Texas Department of Water Resources--U.S. Bureau of Reclamation	Texas Water Development Board	1976	607	--	--	Qtal 6	3,650	--	--	N	N	Test hole. Caved in at 607 ft and abandoned. <u>1</u> <u>2</u>
* 801	R. C. Sparks Estate	J. R. Hatch	1946	500	6	500	Qtal 6	4,010	370.6 373.81	Apr. 29, 1952 Feb. 3, 1954	N	N	Destroyed.
901	Lane's Dairy	Joe Bradford	1971	540	12-3/4	540	Qtal 6	4,012	430	--	Sub, E	Ind	Slotted from 415-540 ft. Gravel packed. Pump set at 505 ft. Reported yield 20 gpm. <u>1</u>
* 902	do	Wheeler Cass	1970	560	8	560	Qtal 6	4,012	--	--	N	N	Not used (sanded up). Slotted from 400-560 ft. Gravel packed. Originally pumped 150 gpm.
* 24-401	R. C. Sparks Estate	--	1880	460	5	400	Qtal 6	4,015	362	1935	C, W	D	Reported yield 12 gpm.
402	Horizon Land Corporation Well 2-37	Layne-Texas Company	1960	1,189	--	--	--	4,018	340	Apr. 1960	N	N	Not used. Test hole. Reported yield 25 gpm. <u>1</u> <u>2</u>
403	Horizon Land Corporation Well 2-37	--	1961	600+	--	--	--	4,016	--	--	N	N	Not used. Test hole. Reported yield 10 gpm.
404	Horizon Land Corporation Well 3-37	Layne-Texas Company	1973	652	--	--	Qtal 6	4,016	--	--	--	P	<u>2</u>
* 405	Horizon Land Corporation Well 1-36	--	--	515	--	--	Qtal 6	4,018	--	--	E	--	Gravel packed. <u>2</u>
* 406	Horizon Land Corporation Well 2-36	--	--	521	--	--	Qtal 6	4,022	--	--	--	--	<u>2</u>
* 407	Horizon Land Corporation Well 3-36	--	1961	605	--	--	Qtal 6	4,023	--	--	N	N	Destroyed. <u>2</u>
* 408	Horizon Land Corporation Well 4-36	--	1961	535	12	530	Qtal 6	4,020	--	--	T, E	P	Reported yield 143 gpm. <u>2</u>
* 409	Horizon Land Corporation Well 5-36	--	1961	590	--	--	--	4,016	--	--	N	N	Test hole. <u>2</u>
* 410	Horizon Land Corporation Well 6-36	--	1961	550	12	550	Qtal 6	4,018	--	--	T, E	P	Reported yield 160 gpm. <u>2</u>
* 411	Horizon Land Corporation Well 7-36	K. C. Wheeler	1968	500	--	--	Qtal 6	4,017	--	--	Sub, E	P	Plugged back from 520 ft to 500 ft. Reported yield 80 gpm. <u>1</u>
* 412	Horizon Land Corporation Well 8-36	--	1968	574	--	--	--	4,027	--	--	N	N	Test hole. <u>2</u>
413	Horizon Land Corporation Well 9-36	K. C. Wheeler	1968	605	--	--	Qtal 6	4,033	--	--	N	N	Not used. Capped. <u>2</u>
414	Horizon Land Corporation Well 10-36	do	1969	592	--	--	--	4,035	--	--	N	N	Test hole. <u>2</u>
415	Horizon Land Corporation Well 11-36	do	--	595	36 12	30 595	Qtal 6	4,035	392	May 5, 1969	--	P	Slotted from 400-595 ft. Gravel packed. Performance test: Drawdown of 203 ft pumping 157 gpm.
416	Horizon Land Corporation Well 12-36	Layne-Texas Company	1973	652	--	--	Qtal 6	4,037	--	--	--	--	<u>2</u>
417	Horizon Land Corporation Well 1-25	do	1973	652	--	--	--	4,037	--	--	--	--	Test hole. <u>2</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-24-601	R. C. Sparks Estate	J. T. Hatch	1946	500	6	440	Qtal 6	4,082	--	--	N	N	Destroyed.
602	Horizon Land Corporation Well 2-37	K. C. Wheeler	1962	673	--	--	--	4,050	--	--	N	N	Test hole. <u>2</u>
* 603	Horizon Land Corporation Well 3-37	--	--	--	--	--	Qtal 6	4,048	--	--	--	--	--
* 801	Lane's Dairy	--	1946	497	6	--	Qtal 6	4,052	464 431.2	Feb. 8, 1954 Sept. 4, 1956	C, W	N	Not used. Reported yield 6 gpm.
802	do	Joe Bradford	1972	560	12-3/4	560	Qtal 6	4,052	355	July 1, 1972	Sub, E	S	Slotted from 400-560 ft. Gravel packed. Pump set at 500 ft. Reported yield 5 gpm. <u>1</u>
803	do	Wheeler Cass	1969	550	8	550	Qtal 6	4,055	--	--	N	N	Not used. Slotted from 400-550 ft. Gravel packed.
* 30-201	Ruth K. Brennand	--	--	86	16	--	Qal Rg	3,656	12.55 12.20	July 7, 1956 Dec. 3, 1957	T, G	Irr	Pump set at 80 ft. <u>4</u>
* 202	do	--	--	156	18	--	Qal Rg	3,651	17.53 8.09	Nov. 14, 1956 May 10, 1977	T	Irr	Pump set at 130 ft. Reported yield 1,389 gpm on Mar. 24, 1955. Temp. 65°F. Observation well. <u>3</u> <u>4</u>
* 203	Lawrence Dindinger	--	--	80	16	--	Qal Rg	3,648	15.65 8.08	July 6, 1956 July 29, 1975	T	Irr	Pump set at 69 ft. Reported yield 1,372 gpm on Apr. 19, 1955. Observation well. <u>3</u> <u>4</u>
204	Ruth K. Brennand	--	--	80	18	--	Qal Rg	3,649	16.05 6.62	July 6, 1956 July 23, 1973	T, Ng	Irr	Gravel packed. Pump set at 69 ft. Reported yield 1,460 gpm on Apr. 29, 1955. <u>4</u>
* 205	F. R. Culberson Well 1	Cecil Ballard	--	120	18	120	Qal Rg	3,648	--	--	N	N	Abandoned. Perforated from 40-120 ft. Reported yield was 1,500 gpm.
* 206	F. R. Culberson Well 2	do	1958	80	18	80	Qal Rg	3,648	6.7 8.17	July 23, 1973 Oct. 17, 1973	T, G	Irr	Slotted from 40-80 ft. Gravel packed. Pump set at 70 ft. Reported yield 1,500 gpm. <u>4</u>
* 207	Texas Department of Water Resources--U.S. Bureau of Reclamation	Texas Water Development Board	1974	200	3	200	--	3,651	14.64 14.29	July 23, 1974 May 10, 1977	N	N	Slotted from 43-64, 117-137, 150-170, and 180-200 ft. Gravel packed. Drilled to 668 ft and plugged back to 210 ft. Cement plug from 200-210 ft. Observation well. <u>2</u>
302	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1952	27	2	--	Qal Rg	3,645	8.1 6.8	Nov. 17, 1952 Dec. 1976	N	N	Observation well.
* 303	City of El Paso	Wheeler Cass	1968	50	1-1/2	50	Qal Rg	3,637	7.37 6.64	June 7, 1968 May 10, 1977	N	N	Slotted from 20-50 ft. Observation well. <u>1</u> <u>3</u>
* 304	Lundy-Thagard Oil Company	--	--	--	--	--	Qal Rg	3,646	18.11 8.32	July 3, 1956 July 24, 1973	T, G	Irr	<u>4</u>
305	J. R. Weaver, et al.	--	--	--	--	--	Qal Rg	3,646	18.05	July 3, 1956	T, G	Irr	Reported yield 1,275 gpm on Apr. 28, 1955. <u>4</u>
306	Western Land Corporation	Payne & Ballard	1953	75	16	--	Qal Rg	3,647	24.28	do	T, G	Irr	Pump set at 65 ft. Reported yield 1,615 gpm on Apr. 26, 1955. <u>4</u>
* 307	Jerry Rogers, Inc.	--	--	83	18	--	Qal Rg	3,650	16.90	July 6, 1956	T, G	Irr	Yield 1,295 gpm on Apr. 29, 1955. Temp. 67°F on Aug. 7, 1956. <u>4</u>
* 308	A. Davila	--	--	81	18	--	Qal Rg	3,655	25.01	July 20, 1956	T, G	Irr	Pump set at 70 ft. Reported yield 1,322 gpm on Mar. 25, 1955. Temp. 66°F. <u>4</u>
309	Jack Stallings	--	--	99	18	--	Qal Rg	3,655	--	--	N	N	Destroyed. Pump set at 80 ft. Reported yield 1,629 gpm on Mar. 15, 1955. <u>4</u>
* 310	Bertha Dindinger	--	--	74	16	--	Qal Rg	3,652	16.90 5.30	July 6, 1956 July 23, 1973	T, G	Irr	Pump set at 64 ft. Reported yield 1,341 gpm on June 21, 1955. <u>4</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-30-311	American Finance & Investment, Inc.	--	--	--	18	--	Qal Rg	3,652	14.60 8.79	July 6, 1956 Jan. 17, 1976	T, G	Irr	Observation well. <i>3/4</i>
312	J. L. Diotte	--	--	90	20	--	Qal Rg	3,645	13.65 12.40	Nov. 14, 1956 Dec. 2, 1957	T, G	Irr	Gravel packed. Pump set at 60 ft. Reported yield 1,670 gpm on Apr. 6, 1955. Temp. 65°F. <i>4/4</i>
313	A. Borrego	--	--	80	16	--	Qal Rg	3,645	14.15 8.68	July 6, 1956 July 24, 1973	T, Ng	Irr	Gravel packed. Pump set at 68 ft. <i>4/4</i>
* 314	A. J. Guerra	--	1954	74	16	--	Qal Rg	3,647	16.28 5.99	July 6, 1956 July 23, 1973	T, Ng	Irr	Gravel packed. Pump set at 65 ft. <i>4/4</i>
315	A. E. Janke, Sr.	--	--	80	16	--	Qal Rg	3,647	5.46	do	T, Ng	Irr	Gravel packed. Pump set at 75 ft. Reported yield 1,115 gpm. Temp. 66°F on Apr. 28, 1955. <i>4/4</i>
316	Tomas Telles Estate	--	--	75	18	--	Qal Rg	3,645	18.68 7.60	June 25, 1956 Oct. 17, 1973	T	N	Not used. Gravel packed. Pump set at 60 ft. Reported yield 1,098 gpm on Apr. 15, 1955. <i>4/4</i>
* 317	Sabina B. Guerra	--	--	80	18	--	Qal Rg	3,645	14.87 8.20	June 25, 1956 July 24, 1973	T, G	Irr	Gravel packed. Pump set at 74 ft. Reported yield 1,463 gpm on Apr. 4, 1955. <i>4/4</i>
318	Antonio Estrada	--	--	102	16	--	Qal Rg	3,645	15.71 7.08	Nov. 14, 1956 July 23, 1973	T, G	Irr	Gravel packed. Pump set at 80 ft. Temp. 66°F on Apr. 15, 1955. <i>4/4</i>
* 319	Antonio Avila	--	--	78	14	--	Qal Rg	3,647	14.79 8.04	July 6, 1956 July 23, 1973	T, G	Irr	Gravel packed. Pump set at 68 ft. Temp. 66°F on Sept. 7, 1956. <i>4/4</i>
320	Mrs. Virginia Arrigucci	--	--	86	16	--	Qal Rg	3,644	13.16 7.80	June 29, 1956 July 24, 1973	N	N	Destroyed. Gravel packed. Pump set at 67 ft. Reported yield 950 gpm on Apr. 28, 1955. <i>4/4</i>
* 321	D. Hernandez	--	--	79	16	--	Qal Rg	3,641	13.15 6.03	June 22, 1956 Jan. 11, 1977	T, G	Irr	Pump set at 50 ft. Observation well. <i>3/4</i>
* 322	Juan Villalobos	--	--	86	16	--	Qal Rg	3,639	14.33 10.20	June 22, 1956 Dec. 2, 1957	T	Irr	Not used. Gravel packed. Pump set at 60 ft. Temp. 64°F on Sept. 4, 1956. <i>4/4</i>
323	El Paso Electric Company	--	--	75	16	--	Qal Rg	3,641	14.85 12.10	June 22, 1956 Dec. 2, 1957	T, Ng	Irr	Gravel packed. Pump set at 50 ft. <i>4/4</i>
324	G.B.S. Gil & Sons, Inc.	--	--	54	16	--	Qal Rg	3,641	11.90 6.69	June 22, 1956 July 25, 1973	T, Ng	Irr	Do.
* 325	Ralph's Farms, Inc.	--	--	70	14	--	Qal Rg	3,640	19.23 7.95	June 25, 1956 July 23, 1973	T, Ng	Irr	Pump set at 60 ft. Reported yield 1,035 gpm on Apr. 12, 1955. <i>4/4</i>
* 326	do	--	--	--	16	--	Qal Rg	3,640	14.97 6.59	Nov. 14, 1956 May 10, 1977	T, G	Irr	Reported yield 2,389 gpm on Apr. 19, 1955. Observation well. <i>3/4</i>
* 327	do	--	--	147	18	--	Qal Rg	3,638	14.00	Nov. 19, 1956	T, G	Irr	Pump set at 100 ft. Reported yield 1,949 gpm on Mar. 24, 1955. <i>4/4</i>
* 328	do	--	--	168	18	--	Qal Rg	3,637	13.5 14.0	do 4, 1957	T, G	Irr	Pump set at 100 ft. Reported yield 972 gpm on Mar. 24, 1955. <i>4/4</i>
329	Luisa Grijalva de Guerra	--	1953	63	14	--	Qal Rg	3,643	17.61 9.67	June 25, 1956 July 24, 1973	T, Ng	Irr	Not used. Pump set at 55 ft. Reported yield 680 gpm on Apr. 15, 1955. <i>4/4</i>
* 330	Kermit Williams	--	--	91	20	--	Qal Rg	3,644	9.21	July 23, 1973	T, G	Irr	Pump set at 80 ft. Reported yield 1,071 gpm on Mar. 25, 1955. Temp. 67°F. <i>4/4</i>
* 331	J. P. Grijalva	--	--	90	18	90	Qal Rg	3,644	18.71 6.60	June 25, 1956 July 23, 1973	N	N	Not used. Slotted from 40-90 ft. Gravel packed. Pump set at 70 ft. Reported yield 887 gpm on May 31, 1955. <i>4/4</i>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-30-332	Samuel Sanchez	--	--	75	16	--	Qal Rg	3,645	--	--	T, G	Irr	Pump set at 69 ft. Reported yield 923 gpm on Apr. 15, 1955. Temp. 68°F. <u>4</u>
* 333	El Paso Electric Company	--	--	81	16	--	Qal Rg	3,645	21.15	June 25, 1956	T, E	Irr	Pump set at 70 ft. Reported yield 1,233 gpm on Apr. 15, 1955. <u>4</u>
334	Ruth K. Brennand	--	--	70	14	--	Qal Rg	3,640	12.48	June 22, 1956	N	N	Destroyed.
* 335	Mrs. Antha Mae Davidson	--	--	68	18	--	Qal Rg	3,640	7.0	July 24, 1973	T	N	Pump set at 60 ft. Reported yield 403 gpm on Apr. 30, 1955. Temp. 67.5°F. <u>4</u>
336	Fidel Mæese	Payne & Ballard	--	69	18	--	Qal Rg	3,640	8.53	do	N	N	Not used. Pump set at 65 ft. Reported yield 1,125 gpm on Apr. 28, 1955. Temp. 65°F. <u>4</u>
* 337	R. Delgado	--	--	72	18	--	Qal Rg	3,640	--	--	T, Ng	Irr	Pump set at 62 ft. Reported yield 1,161 gpm on Apr. 15, 1955. <u>4</u>
338	Jose Alarcon	--	--	75	10	--	Qal Rg	3,643	16.6 16.4	June 25, 1956 Dec. 4, 1957	Cf, G	Irr	Pump set at 75 ft. Reported yield 672 gpm on Apr. 17, 1955. <u>4</u>
339	Mrs. Antha Mae Davidson	--	--	--	14	--	Qal Rg	3,642	--	--	T, G	Irr	--
340	Earl Eads	--	--	--	16	--	Qal Rg	3,638	8.84	July 24, 1973	T	Irr	<u>4</u>
* 341	Texas Department of Water Resources--U.S. Bureau of Reclamation	Texas Water Development Board	1977	1,140	--	--	Qtal 6	3,648	--	--	N	N	Test hole. <u>1</u> <u>2</u>
* 601	El Paso County Water Control & Improvement District No. 1	Layne-Texas Company	1957	2,292	8	--	--	3,635	--	--	N	N	Do.
602	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1952	24	2	--	Qal Rg	3,631	8.5 6.60	Nov. 17, 1952 Dec. 1976	N	N	Observation well.
* 603	R. D. Wilson	--	--	70	14	--	Qal Rg	3,636	13.14 6.18	June 27, 1956 July 17, 1973	N	N	Abandoned. Pump set at 60 ft. Temp. 66°F on Sept. 6, 1956. <u>4</u>
604	Mike Dipp	--	--	70	14	--	Qal Rg	3,637	20.29 8.56	June 27, 1956 July 16, 1973	T, G	Irr	Pump set at 65 ft. Reported yield 734 gpm on July 2, 1955. <u>4</u>
605	Tomas P. Gonzales	--	1953	80	16	--	Qal Rg	3,637	8.34	July 23, 1973	T, G	Irr	Pump set at 70 ft. Temp. 66°F on Apr. 25, 1955. <u>4</u>
* 606	Ralph's Farms, Inc.	--	--	131	18	--	Qal Rg	3,637	21.50 9.23	Nov. 19, 1956 Jan. 17, 1976	T, G	Irr	Pump set at 90 ft. Reported yield 1,301 gpm on Apr. 19, 1955. Temp. 66°F. Observation well. <u>3</u> <u>4</u>
607	C. Coldwell, Eleanor C. Shapleigh, and K. Coldwell	--	--	90	16	--	Qal Rg	3,637	20.22 15.3	Nov. 19, 1956 Dec. 4, 1957	T, G	Irr	Pump set at 75 ft. Reported yield 1,386 gpm on Apr. 12, 1955. Temp. 66°F. <u>4</u>
* 608	G.B.S. Gil & Sons, Inc.	--	--	120	18	--	Qal Rg	3,636	16.34 8.40	June 26, 1956 July 23, 1973	T, G	Irr	Pump set at 81 ft. Yield 1,450 gpm on Aug. 15, 1951. <u>4</u>
* 609	Mrs. E. A. Strout	Payne & Ballard	1952	124	16	--	Qal Rg	3,636	9.90	July 16, 1973	T, G	Irr	Pump set at 90 ft. Reported yield 1,008 gpm on Apr. 19, 1955. Temp. 65°F. <u>4</u>
610	F. M. Strickland	--	--	--	14	--	Qal Rg	3,633	12.08	June 27, 1956	T, G	Irr	<u>4</u>
* 611	R. E. and W. D. Skov	--	--	--	--	--	Qal Rg	3,633	17.92	do	T, G	Irr	<u>4</u>
* 612	Ralph's Farms, Inc.	--	--	178	18	--	Qal Rg	3,637	10.98 9.90	Mar. 10, 1953 July 23, 1973	T, G	Irr	Pump set at 130 ft. Reported yield 1,071 gpm on Mar. 24, 1955. Temp. 66°F on Sept. 3, 1956. <u>4</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-30-613	Guillermo Parada	--	--	73	14	--	Qal Rg	3,632	22.9 6.95	Nov. 19, 1956 May 10, 1977	T	N	Not used. Reported yield 612 gpm on June 24, 1955. Temp. 68°F on July 13, 1956. Observation well. <u>3</u> <u>4</u>
614	Bob Surratt	--	--	80	18	--	Qal Rg	3,633	--	--	T	N	Pump set at 70 ft. Reported yield 990 gpm on Apr. 19, 1955. Temp. 66°F. <u>4</u>
615	S. Y. Wilson	Brown & Ledford	1956	147	--	--	--	3,633	--	--	N	N	Test hole.
* 616	Quintana and Cordova Sanchez	--	--	125	16	--	Qal Rg	3,631	11.27 7.17	June 26, 1956 May 10, 1977	T	N	Pump set at 110 ft. Reported yield 1,469 gpm on May 2, 1955. Observation well. <u>3</u> <u>4</u>
617	Sisters of Loretto	--	--	--	16	--	Qal Rg	3,632	22.9 15.8	June 26, 1956 Dec. 4, 1957	T, G	Irr	Reported yield 2,647 gpm on Mar. 3, 1955. <u>4</u>
* 618	Don Surratt	--	--	98	18	--	Qal Rg	3,632	15.47 14.6	Nov. 19, 1956 Dec. 4, 1957	T, G	Irr	Pump set at 90 ft. Reported yield 2,142 gpm on Apr. 12, 1955. Temp. 66°F. <u>4</u>
* 619	Francisco Sanchez	--	1930	80	2	70	Qal Rg	3,634	--	--	J, E	D	Open hole from 70-80 ft. Pump set at 70 ft. Estimated yield 10 gpm.
620	Jose Antonio Maese	Cole Drilling	1963	80	18	80	Qal Rg	3,640	9.49	Feb. 28, 1974	T, G	Irr	Slotted from 60-80 ft. Pump set at 70 ft.
621	Mrs. E. A. Strout	--	--	--	16	--	Qal Rg	3,635	9.00	July 24, 1973	T, Ng	Irr	<u>4</u>
622	Kermit Williams	--	--	120	18	120	Qal Rg	3,638	10.26	do	T, Ng	Irr	--
* 623	Texas Department of Water Resources--U.S. Bureau of Reclamation	Texas Water Development Board	1974	200	3	200	Qal Rg	3,639	10.15 10.67	June 21, 1974 May 10, 1977	N	N	Slotted from 80-100, 120-140, 160-180, and 190-200 ft. Gravel packed. Drilled to 668 ft and plugged back to 210 ft. Cement plug from 200-210 ft. Temp. 71°F on May 22, 1974. Observation well. <u>2</u>
* 31-101	City of El Paso	Wheeler Cass	1968	50	1-1/2	50	Qal Rg	3,642	7.37 7.19	June 7, 1968 May 10, 1977	N	N	Slotted from 20-50 ft. Gravel packed. Observation well. <u>1</u> <u>3</u>
102	T. W. Dorough	--	1955	--	--	--	Qal Rg	3,642	--	--	N	N	Not used. Temp. 66°F on June 17, 1955. <u>4</u>
103	do	--	1954	50	16	--	Qal Rg	3,643	16.53 10.30	Nov. 14, 1956 July 12, 1973	T	Irr	Pump set at 45 ft. Temp. 66°F on Apr. 27, 1955. <u>4</u>
104	James Hay	Morrison Drilling Company	1953	80	16	--	Qal Rg	3,645	17.00 7.80	Nov. 14, 1956 July 13, 1973	T, G	Irr	Pump set at 70 ft. Temp. 66°F. <u>4</u>
105	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1952	25	2	--	Qal Rg	3,643	8.7 7.60	Nov. 17, 1952 Dec. 1976	N	N	Observation well.
106	West Texas Athena Company	--	--	108	16	--	Qal Rg	3,639	18.90 5.31	Nov. 16, 1956 July 12, 1973	T, G	Irr	Pump set at 80 ft. Reported yield 774 gpm on Apr. 21, 1955. Temp. 65°F. <u>4</u>
107	Mrs. Ingram	--	--	--	14	--	Qal Rg	3,638	19.33 15.60	Nov. 16, 1956 Nov. 27, 1957	N	N	Destroyed.
108	West Texas Athena Company	--	--	--	14	--	Qal Rg	3,639	19.34 6.90	June 21, 1956 Aug. 8, 1973	N	Irr	Not used. <u>4</u>
109	James H. Strachan	--	1953	95	16	--	Qal Rg	3,639	23.4 19.9	July 20, 1956 Nov. 27, 1957	T, G	Irr	Pump set at 80 ft. Temp. 65°F. <u>4</u>
* 110	Sam D. Young	--	--	--	18	--	Qal Rg	3,643	21.62 7.70	Nov. 14, 1956 July 12, 1973	N	Irr	Not used. Temp. 65°F on Aug. 6, 1956.
111	R. C. Wilson Well 3	--	--	41	14	--	Qal Rg	3,641	19.14 5.54	June 21, 1956 July 16, 1973	N	Irr	Not used. Pump set at 39 ft. <u>4</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-31-112	R. C. Wilson Well 2	--	--	--	16	--	Qal Rg	3,644	15.72	June 21, 1956	T, Ng	Irr	Reported yield 427 gpm. <u>4</u>
* 113	Martin Lettunich	--	1954	100	16	--	Qal Rg	3,639	7.65	July 12, 1973	T, G	Irr	Gravel packed. Pump set at 60 ft. Reported yield 317 gpm on Apr. 26, 1956. Temp. 65°F on Sept. 3, 1956. <u>4</u>
114	R. C. Wilson Well 1	--	--	--	16	--	Qal Rg	3,640	21.48 6.05	June 21, 1956 July 16, 1973	T, Ng	Irr	Gravel packed. Reported yield 786 gpm on Mar. 18, 1955. <u>4</u>
115	Sam D. Young	--	--	50	10	--	Qal Rg	3,639	5.45	July 13, 1973	T, G	Irr	Gravel packed. Pump set at 40 ft. Reported yield 436 gpm on Mar. 18, 1955. Temp. 65°F. <u>4</u>
116	do	--	--	52	10	--	Qal Rg	3,639	6.75	July 16, 1973	T, Ng	Irr	Gravel packed. Pump set at 45 ft. Reported yield 503 gpm on Mar. 18, 1955. Temp. 65°F. <u>4</u>
117	E. Grijalva	--	--	--	14	--	Qal Rg	3,638	21.71 7.03	June 21, 1956 July 13, 1973	N	Irr	Not used. <u>4</u>
* 118	Martin Lettunich	--	--	65	18	--	Qal Rg	3,637	26.02 17.8	June 21, 1956 Nov. 16, 1956	T, G	Irr	Gravel packed. Pump set at 62 ft. Reported yield 1,494 gpm on Apr. 21, 1955. <u>4</u>
119	do	--	--	--	16	--	Qal Rg	3,639	22.80 7.47	July 20, 1956 Jan. 11, 1977	N	Irr	Observation well. <u>3</u> <u>4</u>
120	City of El Paso	--	--	100	16	--	Qal Rg	3,638	19.0 6.63	Nov. 16, 1956 July 13, 1973	T, Ng	Irr	Pump set at 80 ft. Reported yield 1,625 gpm on Apr. 4, 1955. Temp. 66°F. <u>4</u>
121	Elijio Grijalva, Jr.	--	--	50	16	--	Qal Rg	3,638	29.35 6.10	June 26, 1956 July 13, 1973	T, G	Irr	Pump set at 40 ft. Reported yield 1,477 gpm on Mar. 18, 1955. <u>4</u>
122	R. Varela	Meyers Pump Company	1952	95	16	95	Qal Rg	3,637	16.72 7.70	June 22, 1959 July 12, 1973	T, G	Irr	Slotted from 62-95 ft. Reported yield 765 gpm on Apr. 28, 1955. <u>4</u>
123	Ruth K. Brennand	--	--	75	16	--	Qal Rg	3,635	13.72	June 22, 1956	T, G	Irr	Pump set at 60 ft. <u>4</u>
* 124	J. G. and M. D. Britton	--	--	--	--	--	Qal Rg	3,637	19.78 8.74	June 26, 1956 Jan. 11, 1977	T, Ng	Irr	Observation well. <u>3</u> <u>4</u>
125	Harry Silva	--	1953	90	16	--	Qal Rg	3,636	--	--	T, G	Irr	Pump set at 80 ft. Reported yield 801 gpm on Apr. 26, 1955. <u>4</u>
126	A. L. Fenter	--	--	--	--	--	Qal Rg	3,636	18.79 8.25	June 26, 1956 July 12, 1973	T, Ng	Irr	<u>4</u>
127	S. O. and C. Roberts	--	--	--	16	--	Qal Rg	3,636	18.24 8.36	June 26, 1956 July 12, 1973	T, Ng	Irr	<u>4</u>
128	Mowad Investment Company	--	1951	127	16	--	Qal Rg	3,634	17.21 8.65	Nov. 15, 1956 Feb. 22, 1974	T, G	Irr	Pump set at 70 ft. Reported yield 918 gpm on Apr. 26, 1955. Temp. 65°F. <u>1</u> <u>4</u>
129	do	--	--	--	--	--	Qal Rg	3,635	--	--	T, G	Irr	Reported yield 894 gpm on Mar. 18, 1955. Temp. 65°F. <u>4</u>
* 130	G.B.S. Gil & Sons, Inc.	--	--	--	16	--	Qal Rg	3,635	20.86	June 20, 1956	T, Ng	Irr	Reported yield 731 gpm on Apr. 18, 1955. <u>4</u>
131	Earl Eads	--	--	71	16	71	Qal Rg	3,635	13.69 7.68	June 22, 1956 Jan. 11, 1977	N	Irr	Not used. Pump set at 65 ft. Reported yield 1,148 gpm on Apr. 5, 1955. Observation well. <u>3</u> <u>4</u>
* 132	T. W. Dorough Well 1	Mobil Oil Corporation	1970	7,914	--	--	--	3,645	--	--	N	N	Oil test. <u>2</u>
133	S. R. Brown	--	--	--	18	--	Qal Rg	3,642	--	--	T, Ng	Irr	<u>2</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface datum (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-31-134	Ruth K. Bremmand Well 2	--	--	--	14	--	Qal Rg	3,636	9.00	July 24, 1973	T	Irr	Pump set at 65 ft. <u>4</u>
135	--	--	--	--	16	--	Qal Rg	3,637	7.76	July 12, 1973	T, G	Irr	--
136	Catholic Church of San Elizario	--	--	--	16	--	Qal Rg	3,637	8.72	Feb. 22, 1974	T	Irr	<u>4</u>
137	Martin Lettunich	--	--	--	20	--	Qal Rg	3,639	7.35	Feb. 28, 1974	T, Ng	N	Not used.
138	Sam D. Young	--	--	--	16	--	Qal Rg	3,640	--	--	T, G	Irr	--
*	201 H. D. Zachry	Morrison Drilling Company	1958	400	12	--	Qtal 6	3,780	154.08 141.13	Feb. 3, 1960 Jan. 11, 1977	N	Ind	Not used. Reported yield 150 gpm. Observation well. <u>3</u>
	202 U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1952	25	2	--	Qal Rg	3,636	7.3 5.9	Nov. 17, 1952 Dec. 1976	N	N	Observation well.
*	203 Paul Thomas	Wheeler Cass	1943	162	6	162	Qtal 6	3,742	113.60 116.20	Feb. 3, 1954 July 12, 1973	C, W	S	--
	301 Orr	-- Anderson	--	450	10	--	Qtal 6	3,977	372.0 366.7	Feb. 3, 1954 Nov. 20, 1956	W	S	Destroyed.
*	401 E. Loya	--	--	108	16	--	Qal Rg	3,627	18.5 6.96	June 26, 1956 June 27, 1973	T	Irr	Pump set at 75 ft. Reported yield 1,196 gpm on Apr. 4, 1955. Temp. 66°F on July 30, 1956. <u>4</u>
	402 George Eads, et al. Well 1	--	--	78	20	--	Qal Rg	3,535	16.62	June 22, 1956	N	Irr	Not used. Capped. Reported yield 915 gpm on June 12, 1957. <u>4</u>
*	403 George Eads, et al. Well 2	--	--	79	16	--	Qal Rg	3,635	7.70	June 29, 1973	T, G	Irr	Pump set at 60 ft. Temp. 66°F on Aug. 6, 1956. <u>4</u>
	404 W. D. Surratt	--	--	--	--	--	Qal Rg	3,634	--	--	T, Ng	Irr	Temp. 65°F on Apr. 11, 1955. <u>4</u>
	405 R. E. and W. D. Skov	Miller Drilling Company	1951	75	18	75	Qal Rg	3,635	28.51 8.28	June 20, 1956 June 29, 1973	T, Ng	Irr	--
	406 A. L. Carr	Payne & Ballard	1956	70	16	--	Qal Rg	3,635	20.44 11.23	July 20, 1956 Feb. 22, 1974	T, G	Irr	Slotted from 40-70 ft. Reported yield 700-800 gpm. <u>4</u>
*	407 Mrs. Sarah Lacour, et al.	--	--	--	16	--	Qal Rg	3,635	6.92	June 29, 1933	T, G	Irr	Reported yield 1,125 gpm on Apr. 28, 1955. Temp. 66°F on Aug. 6, 1956. <u>4</u>
	408 J. L. Carr	--	--	--	--	--	Qal Rg	3,635	28.03 10.98	June 20, 1956 June 29, 1973	T, Ng	Irr	Reported yield 1,350 gpm on Mar. 18, 1955. <u>4</u>
*	409 T. W. Dorough	--	--	90	16	--	Qal Rg	3,635	17.59 5.90	June 22, 1956 Jan. 11, 1977	T, Ng	Irr	Pump set at 80 ft. Yield 1,527 gpm on Apr. 26, 1955. Observation well. <u>3</u> <u>4</u>
	410 A. P. Herring	--	--	72	16	--	Qal Rg	3,630	--	--	T, Ng	Irr	Pump set at 70 ft. <u>4</u>
	411 Helen Skov	-- Daugherty	1953	70	18	--	Qal Rg	3,633	19.75 4.60	June 20, 1956 June 29, 1973	T, G	Irr	Pump set at 70 ft. Yield 1,506 gpm on May 17, 1951. <u>4</u>
*	412 do	--	1954	142	18	--	Qal Rg	3,634	20.25 6.47	June 20, 1956 June 29, 1973	T, G	Irr	Pump set at 70 ft. Yield 1,090 gpm on Sept. 11, 1951. <u>4</u>
	413 Normandy Corporation	--	--	80	16	--	Qal Rg	3,633	16.33	June 22, 1956	T, G	Irr	Pump set at 62 ft. <u>4</u>
	414 J. H. Eduardo, M. and L. Arevalo	Doherty Drilling Company	1954	80	16	--	Qal Rg	3,628	24.61 4.72	June 28, 1956 June 27, 1973	T, G	Irr	Pump set at 65 ft. <u>4</u>
	415 do	do	1950	140	16	--	Qal Rg	3,628	5.29	do	T, G	Irr	Pump set at 60 ft. Yield 1,467 gpm on June 19, 1951. <u>4</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-31-416	Lee & Beulah Moor Children's Home	--	--	77	18	--	Qal Rg	3,628	7.14	June 27, 1973	T, G	Irr	Pump set at 77 ft. Temp. 65°F on Aug. 7, 1956. <u>4</u>
417	T. W. Dorrough Well 2	--	--	80	18	--	Qal Rg	3,628	20.94 6.17	June 22, 1956 June 27, 1973	T, G	Irr	Pump set at 70 ft. Reported yield 1,485 gpm on Apr. 11, 1955. <u>4</u>
418	T. W. Dorrough	--	--	70	16	--	Qal Rg	3,628	6.55	do	T, G	Irr	Pump set at 60 ft. <u>4</u>
419	W. N. Martin	--	--	75	16	--	Qal Rg	3,630	21.70 7.36	June 28, 1956 Jan. 25, 1974	T, Ng	Irr	--
420	W. Richards	--	--	--	18	--	Qal Rg	3,632	10.27	Feb. 22, 1974	T, G	Irr	--
422	Mike Maros	Bill Mize	1954	120	--	--	Qal Rg	3,631	--	--	T, Ng	Irr	--
423	do	--	--	95	18	--	Qal Rg	3,631	9.92	June 29, 1973	T, Ng	Irr	Pump set at 85 ft. <u>4</u>
424	Jerry Rogers, Inc.	--	--	96	18	--	Qal Rg	3,629	30.58 6.51	Aug. 1, 1956 Jan. 11, 1977	T, Ng	Irr	Pump set at 85 ft. Observation well. <u>3/4</u>
* 425	do	--	--	70	16	--	Qal Rg	3,627	11.89 7.08	Jan. 21, 1959 Jan. 11, 1977	T, G	Irr	Pump set at 70 ft. Observation well. <u>3/4</u>
426	Frank Pryor	--	--	67	16	--	Qal Rg	3,631	8.9	June 27, 1956	N	Irr	Abandoned. Reported yield 923 gpm on Apr. 27, 1955. <u>4</u>
427	Jose H. Arevalo, Jr.	Doherty Drilling Company	1955	60	16	--	Qal Rg	3,631	13.14 7.20	Nov. 19, 1956 June 27, 1973	T	Irr	Pump set at 55 ft. Reported yield 828 gpm on July 2, 1955. <u>4</u>
428	Lee & Beulah Moor Children's Home	--	--	83	18	--	Qal Rg	3,627	12.61 8.70	June 28, 1956 June 27, 1973	N	Irr	Not used. <u>4</u>
429	E. W. Rushing	--	--	76	18	--	Qal Rg	3,627	--	--	T, G	Irr	Destroyed. <u>4</u>
430	Evelyn R. Wood	Miller Brothers	1951	71	18	71	Qal Rg	3,628	9.74	June 27, 1973	T, G	Irr	Screens from 16-30, 31-36, 38-54, and 54-71 ft. <u>4</u>
431	Jose P. Grijalva	--	1948	120	16	--	Qal Rg	3,626	21.11	June 26, 1956	T, G	Irr	Pump set at 90 ft. Reported yield 1,265 gpm on Apr. 19, 1955. <u>4</u>
* 432	Evelyn R. Wood	--	1951	64	18	64	Qal Rg	3,627	--	--	T, G	Irr	Plugged back from 124 ft to 64 ft. Pump set at 50 ft. Temp. 66°F on Aug. 6, 1956. <u>1/4</u>
* 433	H. H. Beene	--	--	78	16	--	Qal Rg	3,631	9.52 7.48	Mar. 9, 1953 July 2, 1973	T, G	Irr	Pump set at 65 ft. <u>4</u>
* 434	W. D. Surratt	Chambers & Kennedy	--	9,821	--	--	--	3,632	--	--	--	--	Oil test. <u>2</u>
435	Lola S. Seal	K. C. Wheeler	1964	125	18	125	Qal Rg	3,628	--	--	N	Irr	Not used. Gravel packed. Plugged back from 496 ft to 125 ft. <u>1/4</u>
* 436	W. D. Surratt	--	--	--	16	--	Qal Rg	3,633	7.70	July 2, 1973	T, Ng	Irr	--
437	George Ashley	--	--	--	16	--	Qal Rg	3,633	--	--	T, G	Irr	--
438	Jerry Rogers, Inc.	--	--	--	18	--	Qal Rg	3,630	9.27	June 29, 1973	T, Ng	Irr	<u>4</u>
439	do	--	--	--	18	--	Qal Rg	3,630	8.50	do	T	Irr	<u>4</u>
440	Earl Ends Well 3	--	--	--	12	--	Qal Rg	3,635	7.53	do	T, G	Irr	--
441	Earl Ends Well 4	--	--	--	--	--	Qal Rg	3,635	--	--	T, G	Irr	--

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-31-442	Skov Farms, Inc.	--	--	--	--	--	Qal Rg	3,632	--	--	T, G	S, Ind	--
443	W. N. Martin Well 2	--	--	--	16	--	Qal Rg	3,630	--	--	T, Ng	Irr	<u>4</u>
444	G.B.S. Gil & Sons, Inc.	--	--	--	16	--	Qal Rg	3,635	8.24	Feb. 26, 1974	T, Ng	Irr	<u>4</u>
* 501	Lee & Beulah Moor Children's Home	--	1954	76	18	--	Qal Rg	3,626	23.40 7.38	Aug. 2, 1956 Jan. 11, 1977	N	Irr	Not used. Temp. 66°F on Sept. 3, 1956. Observation well. <u>3</u> <u>4</u>
502	Paul & Rosalie's Farms, Inc.	--	--	--	16	--	Qal Rg	3,631	15.42 14.40	Nov. 15, 1956 Nov. 27, 1957	T, G	Irr	<u>4</u>
503	Kenneth Suggs	--	--	--	14	--	Qal Rg	3,631	13.87 17.1	Aug. 1, 1956 Nov. 27, 1957	N	Irr	Destroyed. <u>4</u>
504	Conway & Sons, Inc.	Miller Drilling Company	1951	86	18	--	Qal Rg	3,630	--	--	N	Irr	Not used. Capped with metal plate. <u>4</u>
505	Kenneth Suggs	--	--	--	14	--	Qal Rg	3,630	20.06 22.5	Aug. 1, 1956 Nov. 19, 1957	N	Irr	Not used. Capped. <u>4</u>
506	George Orr	--	--	--	16	--	Qal Rg	3,630	--	--	N	Irr	Destroyed.
507	R. Williams	--	--	--	--	--	Qal Rg	3,631	15.12 11.05	Aug. 1, 1956 Feb. 2, 1971	T, G	Irr	Historical observation well. <u>3</u> <u>4</u>
508	Conway & Sons, Inc.	Miller Drilling Company	1951	90	16	90	Qal Rg	3,630	9.42	July 3, 1973	T, Ng	Irr	Slotted from 50-90 ft. Pump set at 120 ft. <u>4</u>
509	Mike Maros	Bill Mize	1952	110	16	110	Qal Rg	3,630	10.45	do	T, Ng	Irr	Slotted from 35-110 ft. Pump set at 100 ft. Reported yield 1,000 gpm. <u>4</u>
510	Conway & Sons, Inc.	-- Daugherty	1955	82	--	--	Qal Rg	3,630	30.29	Aug. 1, 1956	T, Ng	Irr	<u>4</u>
511	A. H., C. A., and J. L. Ivey	Miller Brothers	1951	92	18	92	Qal Rg	3,630	10.79	Feb. 22, 1974	T, Ng	Irr	Slotted from 50-92 ft. Pump set at 80 ft. Reported yield 1,250 gpm. <u>4</u>
512	G. B. Crossland and R. Surratt	--	--	--	--	--	Qal Rg	3,630	24.97 9.15	Aug. 9, 1956 July 5, 1973	T, G	Irr	<u>4</u>
513	J. A. Miller Estate	Bill Mize	1954	120	18	--	Qal Rg	3,624	17.48 18.6	Aug. 9, 1956 Nov. 15, 1956	N	Irr	Not used. Reported estimated yield 1,000 gpm. <u>4</u>
514	Jobe Investment Company	--	--	--	--	--	Qal Rg	3,627	8.92	July 3, 1973	N	Irr	<u>4</u>
515	J. A. Miller Estate	Bill Mize	1954	160	18	160	Qal Rg	3,624	17.57 6.71	Aug. 9, 1956 July 5, 1973	N	Irr	Not used. Slotted from 35-160 ft. <u>4</u>
* 516	C. S. Wakeem, et al.	Meyers Pump Company	1954	80	16	--	Qal Rg	3,626	20.01 7.38	Nov. 15, 1956 Jan. 11, 1977	T, G	Irr	Pump set at 70 ft. Temp. 66°F on Sept. 3, 1956. Observation well. <u>3</u> <u>4</u>
517	do	--	1952	140	16	--	Qal Rg	3,623	17.36 9.41	Nov. 15, 1956 July 5, 1973	T, G	Irr	<u>4</u>
518	J. A. Miller Estate	Morrison Drilling Company	1951	165	16	165	Qal Rg	3,621	16.59 7.05	Aug. 8, 1956 July 3, 1973	N	Irr	Not used. Slotted from 35-165 ft. Reported estimated yield 1,000 gpm. Pump set at 110 ft. <u>4</u>
519	Sam D. Young	--	--	90	18	--	Qal Rg	3,625	10.40	do	T, Ng	Irr	Pump set at 70 ft. <u>4</u>
* 520	Vince Baier	--	--	--	18	--	Qal Rg	3,625	26.10 21.1	Aug. 2, 1956 Dec. 4, 1957	T, Ng	Irr	<u>4</u>
521	Lee & Beulah Moor Children's Home	--	--	--	16	--	Qal Rg	3,626	7.97	July 3, 1973	T, G	Irr	Not used. <u>4</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-31-522	D. C. Thomas, Jr., et al.	--	--	85	18	--	Qal Rg	3,625	10.57 9.22	Mar. 9, 1953 July 3, 1973	T, Ng	Irr	Pump set at 70 ft. Reported yield 1,200 gpm. <u>4</u>
523	Mike Maros	Bill Mize	1954	120	18	--	Qal Rg	3,630	10.92	June 29, 1973	T, G	Irr	<u>4</u>
524	Richard Makim	--	--	--	14	--	Qal Rg	3,622	8.00	July 5, 1973	T, G	Irr	<u>4</u>
525	D. W. Conway	--	--	--	16	--	Qal Rg	3,630	9.42	July 3, 1973	T, G	Irr	--
526	M. A. Briggs	--	--	--	16	--	Qal Rg	3,627	7.50	do	T, G	Irr	<u>4</u>
* 527	J. A. Miller Estate	Morrison Drilling Company	1951	180	18	180	Qal Rg	3,621	14.06 7.40	Aug. 8, 1956 June 14, 1973	N	Irr	Not used. <u>4</u>
528	Kenneth Suggs Well 1	--	--	--	--	--	Qal Rg	3,630	8.14	July 3, 1973	T, G	Irr	<u>4</u>
529	Kenneth Suggs Well 2	--	--	--	--	--	Qal Rg	3,630	--	--	T, G	Irr	<u>4</u>
* 601	Strain Brothers	Morrison Drilling Company	1958	300	16	300	Qal 6	3,800	184.01 181.21	Sept. 2, 1960 Jan. 11, 1977	T, G	Ind	Not used. Pump set at 220 ft. Reported yield 500 gpm. Observation well. <u>3</u>
* 701	Bernard Spence	--	--	174	20	--	Qal Rg	3,619	25.7 9.23	Nov. 12, 1956 June 13, 1973	T, G	Irr	Pump set at 110 ft. <u>4</u>
702	Lee & Beulah Moor Children's Home Well 10	--	--	83	18	--	Qal Rg	3,624	--	--	T, G	Irr	Pump set at 80 ft. <u>4</u>
703	Lee & Beulah Moor Children's Home Well 11	--	--	77	18	--	Qal Rg	3,624	6.95	June 13, 1973	N	Irr	Not used. Pump set at 77 ft. <u>4</u>
704	Lee & Beulah Moor Children's Home Well 14	--	--	60	16	--	Qal Rg	3,625	7.2	do	N	Irr	Not used. Pump set at 54 ft. <u>4</u>
* 705	Lee & Beulah Moor Children's Home	--	1954	130	16	--	Qal Rg	3,624	11.07 9.95	Mar. 10, 1953 June 13, 1973	T, G	Irr	Pump set at 100 ft.
706	do	Cecil Ballard	1951	198	18	198	Qal Rg	3,625	30.02 10.80	Nov. 12, 1956 June 13, 1973	T, G	Irr	Pump set at 105 ft. <u>4</u>
707	Kermit Williams	--	--	200	18	--	Qal Rg	3,625	27.51 21.3	Aug. 2, 1956 Nov. 26, 1957	T, G	Irr	Pump set at 110 ft. <u>4</u>
708	Lee & Beulah Moor Children's Home	Cecil Ballard	1951	191	18	191	Qal Rg	3,625	31.46 10.08	Nov. 12, 1956 June 13, 1973	T, G	Irr	Pump set at 105 ft. <u>4</u>
709	do	do	1951	200	18	200	Qal Rg	3,623	33.70 10.36	Aug. 2, 1956 June 13, 1973	T, G	Irr	Do.
* 710	do	--	1951	130	18	--	Qal Rg	3,624	29.99 9.42	Nov. 12, 1956 Jan. 11, 1977	T, G	Irr	Pump set at 105 ft. Observation well. <u>3</u> <u>4</u>
711	do	--	1953	180	18	--	Qal Rg	3,622	31.81 24.8	Nov. 12, 1956 Nov. 26, 1957	T, G	Irr	Pump set at 105 ft. <u>4</u>
* 712	do	--	1952	200	18	--	Qal Rg	3,619	30.22 12.90	Nov. 12, 1956 June 13, 1973	T, G	Irr	Do.
713	John McGuire	--	1959	180	20	--	Qal Rg	3,620	10.22 8.79	do Feb. 26, 1974	T, G	Irr	Pump set at 130 ft. <u>4</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft.)	Casing		Water bearing unit	Altitude of land surface (ft.)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft.)			Below land-surface datum (ft.)	Date of measurement			
El Paso County--Continued													
JL-49-31-714	Lee & Beulah Moor Children's Home	--	--	150	16	--	Qal Rg	3,619	9.40	June 13, 1973	T, G	Irr	4/
715	do	--	--	120	16	--	Qal Rg	3,618	24.49 10.60	Aug. 2, 1956 Jan. 31, 1973	T, G	Irr	Pump set at 90 ft. Observation well. 3/ 4/
716	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1952	35	2	--	Qal Rg	3,612	9.5 8.1	Nov. 17, 1952 Dec. 1976	N	N	Observation well.
717	Sam Orr	Miller Drilling Company	1951	147	18	137	Qal Rg	3,608	22.79 10.46	Aug. 10, 1956 May 10, 1977	T	N	Slotted from 50-137 ft. Pump set at 100 ft. Reported yield 1,800 gpm. Observation well. 1/ 3/ 4/
* 718	Lee & Beulah Moor Children's Home	Cecil Ballard	1951	100	16-5/8	100	Qal Rg	3,624	--	--	N	Irr	Not used. 4/
719	do	Wiceler Cass	1963	75	18	75	Qal Rg	3,624	--	--	T, G	Irr	Slotted from 40-75 ft. Pump set at 60 ft. 4/
720	Bernard Spence	--	--	--	20	--	Qal Rg	3,619	--	--	T, G	Irr	4/
721	John McGuire	--	--	180	20	180	Qal Rg	3,620	8.04	Feb. 26, 1974	T, G	Irr	Gravel packed. Pump set at 130 ft. 4/
722	Orr Farms, Inc.	Payne & Ballard	1955	200	20	200	Qal Rg	3,611	--	--	T, G	Irr	Slotted from 120-200 ft. 4/
723	-- Aranda	--	--	--	--	--	Qal Rg	3,624	7.93	Jan. 15, 1974	T, G	Irr	4/
* 801	A. R. Miller, Jr. and Martha Miller	-- Daugherty	1950	100	12	100	Qal Rg	3,625	16	--	T, G	Irr	Slotted from 40-100 ft. Pump set at 75 ft.
802	C. Maldonado	--	--	85	14	--	Qal Rg	3,621	8.12	June 14, 1973	T, G	Irr	Pump set at 80 ft. 4/
803	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1952	27	2	--	Qal Rg	3,621	8.4 7.6	Nov. 17, 1952 Dec. 1976	N	N	Observation well.
804	Mrs. Ella Lee Estate	Brown & Ledford	1951	127	18	--	Qal Rg	3,622	20.56 9.24	Aug. 8, 1956 June 14, 1973	T, Ng	Irr	1/ 4/
806	A. R. Miller, Jr. and Martha Miller	Miller Brothers	1951	70	16	70	Qal Rg	3,630	20	--	T, G	Irr	Slotted from 22-54 ft. Pump set at 65 ft.
807	do	do	1951	100	18	100	Qal Rg	3,618	21.62 8.79	Aug. 9, 1956 June 14, 1973	T, G	Irr	Slotted from 60-100 ft. Pump set at 80 ft. 4/
* 808	do	--	--	144	16	144	Qal Rg	3,618	21.76 9.82	Nov. 15, 1956 Jan. 26, 1975	T	Irr	Slotted from 20-144 ft. Observation well. 3/ 4/
809	F. F. Grijalva	Payne & Ballard	1953	88	16	--	Qal Rg	3,618	18.73 7.80	Aug. 8, 1956 June 14, 1973	T, G	Irr	Pump set at 70 ft. 4/
* 810	Hiram Whitaker	Brown & Ledford	1951	132	18	--	Qal Rg	3,621	9.17	do	T, Ng	Irr	Pump set at 100 ft. Test hole reamed out to 132 ft. 1/ 4/
* 811	Robert Varela	--	--	74	18	--	Qal Rg	3,618	20.46 8.63	Aug. 2, 1956 June 14, 1973	T, Ng	Irr	Pump set at 72 ft. 4/
812	Juan Villalobos	--	--	70	16	--	Qal Rg	3,618	7.20	July 5, 1973	T	Irr	Pump set at 60 ft. 4/
* 813	R. E. Bills and J. M. Ellis	--	--	100	16	--	Qal Rg	3,615	8.95	June 15, 1973	T, G	Irr	Pump set at 80 ft. Temp. 65°F on Aug. 9, 1956. 4/
814	Hiram Whitaker	--	--	85	18	--	Qal Rg	3,612	13.06 6.36	Jan. 21, 1959 Jan. 11, 1977	T, Ng	Irr	Pump set at 85 ft. Observation well. 3/ 4/
* 815	Jewell Ellis Well 2	Bill Mize	1950	85	18	--	Qal Rg	3,612	27.15 9.13	Aug. 8, 1956 June 14, 1973	T, G	Irr	Pump set at 70 ft. Reported estimated yield 2,500 gpm. 4/

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-31-816	C. R. Kapp	--	--	79	20	--	Qal Rg	3,614	7.65	June 14, 1973	T, Ng	Irr	Pump set at 75 ft. <i>4/</i>
* 817	Jewell Ellis Well 1	Morrison Drilling Company	1951	120	18	120	Qal Rg	3,618	25.10	Aug. 8, 1956	T, Ng	Irr	Slotted from 40-120 ft. Pump set at 90 ft. Yield 2,500 gpm. <i>4/</i>
818	E. A. Strout	--	--	--	--	--	Qal Rg	3,616	19.24 19.5	Nov. 15, 1956 Nov. 27, 1957	T, G	Irr	<i>4/</i>
* 819	T. O. Elam	--	--	110	16	--	Qal Rg	3,610	22.45 10.28	Aug. 7, 1956 June 14, 1973	T, Ng	Irr	Temp. 65°F on Sept. 5, 1956. <i>4/</i>
820	Carlos Cobos	Meyers Pump Company	1952	82	16	--	Qal Rg	3,609	22.90 9.22	Aug. 9, 1956 June 14, 1973	T, Ng	Irr	Pump set at 65 ft. <i>4/</i>
821	F. E. Grijalva	Bill Mize	1954	90	18	90	Qal Rg	3,609	8.82	do	T, G	Irr	Slotted from 70-90 ft. Pump set at 70 ft. <i>4/</i>
822	Ruby L. B. Story	--	--	80	16	--	Qal Rg	3,612	16.68 7.97	Aug. 8, 1956 June 14, 1973	T, G	Irr	<i>4/</i>
823	R. E. Bills Well 1	Morrison Drilling Company	1952	205	18	--	Qal Rg	3,607	27.33 10.13	Aug. 7, 1956 June 15, 1973	T, Ng	Irr	Pump set at 120 ft. <i>4/</i>
* 824	Rawls Estate	Bill Mize	1955	--	18	--	Qal Rg	3,607	35.25 6.95	Aug. 7, 1956 Jan. 11, 1977	T, G	Irr	Yield 1,000 gpm. Observation well. <i>3/4/</i>
* 825	Lee & Beulah Moor Children's Home	--	--	--	20	--	Qal Rg	3,613	8.87	June 14, 1973	T, G	Irr	Temp. 66°F on Sept. 5, 1956. <i>4/</i>
826	J. P. Miller Well 1	--	--	110	18	--	Qal Rg	3,619	11.00	do	T, Ng	Irr	Pump set at 100 ft. <i>4/</i>
827	J. P. Miller Well 2	--	--	135	18	--	Qal Rg	3,619	27.10 9.90	Aug. 8, 1956 June 14, 1973	T, G	Irr	Do.
828	Grover Neeley	--	--	--	--	--	Qal Rg	3,617	22.92 7.52	Aug. 8, 1956 June 14, 1973	T, G	Irr	--
829	W. A. Rawls Ranch	--	--	140	18	--	Qal Rg	3,605	28.29 10.28	Aug. 10, 1956 June 14, 1973	T, G	Irr	Pump set at 80 ft. Estimated yield 900 gpm. <i>4/</i>
830	Fabens Production, Inc.	Bill Mize	1955	165	18	165	Qal Rg	3,603	11.85	Nov. 26, 1973	T, G	Irr	Slotted from 35-165 ft. Pump set at 100 ft. Yield 1,600 gpm. <i>4/</i>
831	do	Morrison Drilling Company	1951	195	16	120	Qal Rg	3,605	--	--	T, G	Irr	Slotted from 60-120 ft. Pump set at 70 ft. Yield 1,800 gpm. <i>4/</i>
832	do	-- Daugherty	1947	125	16	125	Qal Rg	3,605	9.40	Nov. 26, 1973	T, G	Irr	Slotted from 35-125 ft. Yield 1,600 gpm.
833	do	do	1947	120	16	120	Qal Rg	3,604	--	--	T, G	Irr	Slotted from 25-120 ft. Pump set at 70 ft. Yield 1,800 gpm. <i>4/</i>
834	do	Morrison Drilling Company	1955	190	16	190	Qal Rg	3,603	--	--	T, G	Irr	Slotted from 60-190 ft. Gravel packed. Pump set at 180 ft. Estimated yield 1,600 gpm. <i>4/</i>
835	do	do	1951	160	16	160	Qal Rg	3,604	7.30	Nov. 26, 1973	T, G	Irr	Slotted from 35-160 ft. Gravel packed. Pump set at 85 ft. <i>4/</i>
* 836	do	do	1951	210	16	210	Qal Rg/ Qtal 6	3,604	28.60	Aug. 14, 1956	T, G	Irr	Slotted from 65-210 ft. Gravel packed. Pump set at 100 ft. Reported yield 1,800 gpm. <i>4/</i>
837	Mike Rancich	--	--	120	16	--	Qal Rg	3,606	17.36 8.00	do June 15, 1973	T, G	Irr	Pump set at 100 ft. <i>4/</i>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-31-838	Fabens Production, Inc.	-- Daugherty	1947	105	16	105	Qal Rg	3,605	9.89	Nov. 26, 1973	N	N	Abandoned. Gravel packed. Slotted from 25-105 ft. <u>4</u>
* 839	do	do	1947	105	18	105	Qal Rg	3,605	--	--	T, G	Irr	Slotted from 25-105 ft. <u>4</u>
840	Leisure Valley Farms	--	--	99	18	99	Qal Rg	3,603	9.82	June 15, 1973	T, C	Irr	<u>4</u>
841	Alfred Singh	--	--	--	18	--	Qal Rg	3,617	10.19	Jan. 18, 1974	T, G	Irr	--
842	A. R. Miller	K. C. Wheeler	1963	75	16	75	Qal Rg	3,619	--	--	T, G	Irr	Slotted from 30-75 ft.
843	Hiram Whitaker	--	--	--	20	--	Qal Rg	3,610	9.30	Feb. 26, 1974	T, G	Irr	<u>4</u>
844	O. T. Parker	--	--	--	16	--	Qal Rg	3,618	9.08	do	T, Ng	Irr	Gravel packed. <u>4</u>
* 845	R. E. Bills and J. M. Ellis	Cecil Ballard	--	--	18	--	Qal Rg	3,615	10.11	do	T, C	Irr	Gravel packed.
846	do	-- Schieffer	--	--	16	100	Qal Rg	3,610	10.27	Feb. 28, 1974	T, Ng	Irr	Slotted from 40-60 ft. Gravel packed. Pump set at 60 ft. <u>4</u>
* 847	do	do	1970	90	16	90	Qal Rg	3,615	--	--	N	Irr	Not used. Slotted from 54-87 ft. Plugged back from 139 ft to 90 ft. <u>1</u>
848	do	Cole Drilling	1974	169	8	169	Qal Rg	3,615	8 24.45	Jan. 11, 1974 Feb. 26, 1974	Sub, E	Ind	Slotted from 124-164 ft. <u>1</u>
* 901	El Paso County Water Control & Improvement District No. 1	Layne-Texas Company	1957	1,616	8	--	--	3,632	--	--	N	N	Test hole. <u>1</u> <u>2</u>
* 902	Fabens Water Company	Bud Bean	1939	315	6	315	Qtal 6	3,630	35	Jan. 1955	T, E	P	Perforated from 160-315 ft. Pump set at 120 ft. Performance test: Drawdown of 31 ft pumping 150 gpm.
* 903	J. P. Miller Farms, Inc.	--	--	135	18	--	Qal Rg	3,618	19.96 11.10	Nov. 15, 1956 Jan. 11, 1977	T, G	Irr	Pump set at 100 ft. Observation well. <u>3</u> <u>4</u>
904	J. H. Marchbank, Jr.	-- Schieffer	1951	200	18	200	Qtal 6	3,630	--	--	T, G	Irr	Slotted from 140-200 ft.
905	Savage Oil Company	Brown & Ledford	1962	240	6	240	Qtal 6	3,754	152.25	Jan. 17, 1974	N	D	Not used. Capped.
906	J. P. Miller Farms, Inc.	--	--	135	18	135	Qtal 6	3,625	14.82	Jan. 18, 1974	T, C	Irr	Perforated from 75-135 ft. <u>4</u>
907	Valley Compress	--	--	--	--	--	Qal Rg	3,615	--	--	T, G	Irr	<u>4</u>
908	Fabens Water Company	Big "3" Machine & Supply, Inc.	1973	353	20 12-3/4	142 353	Qtal 6	3,635	58.00	Aug. 8, 1973	T, E	P	Slotted from 176-343 ft. Gravel packed. Plugged back from 515 ft to 353 ft. Pump set at 160 ft. Reported yield 800 gpm. Performance test: Drawdown of 37 ft pumping 800 gpm on Oct. 23, 1973. <u>1</u>
909	Andres Dominguez	--	--	110	18	--	Qtal 6	3,635	29.07	Feb. 22, 1974	T	Irr	--
* 910	Fabens Water Company	Bud Bean	1942	310	10	310	Qtal 6	3,630	34	Jan. 1955	T, E	P	Pump set at 120 ft. Deepened from 218-310 ft.
* 911	do	do	1939	315	6	315	Qtal 6	3,630	35	do	T, E	P	Perforated from 190-315 ft. Pump set at 120 ft. Performance test: Drawdown of 31 ft pumping 150 gpm.
912	Fabens Independent School District	--	1950	150	6	150	Qtal 6	3,630	--	--	T, E	Irr	--
913	Francisco Vilorio	--	1955	90	12	--	Qtal 6	3,630	--	--	T, E	Irr	--

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-31-914	Fahens Independent School District	Ted Gardea	1970	90	6	90	Qtal 6	3,615	--	--	N	N	Not used.
32-101	S. O. Roberts	--	1937	450	7	--	Qtal 6	4,010	384.53 384.50	Feb. 3, 1954 Sept. 4, 1956	W	S	Abandoned.
102	Borders-Winterborn Well 1	Mobil Oil Company	--	1,637	--	--	--	4,050	--	--	N	N	Oil test. <u>2</u>
* 301	Sam Orr	--	1915	643	8 6	500 638	Qtal 6	4,028	399.97 401.7	Apr. 2, 1936 Feb. 8, 1954	W	S	Reported yield 10 gpm.
* 501	do	--	1946	521	8	--	Qtal 6	4,012	450 397.60	Feb. 8, 1954 Jan. 17, 1973	W	S	--
502	Continental Overseas Well 1	Layne-Texas Company	1971	1,000	8	--	Qtal 6	3,860	--	--	N	N	Abandoned. <u>1</u>
503	Continental Overseas Well 2	--	--	508	4	508	Qtal 6	3,860	--	--	Sub, E	D, S, P	Gravel packed.
* 504	Continental Overseas Well 3	Layne-Texas Company	1971	1,073	8-5/8	869	Qtal 6	3,860	310	Nov. 15, 1971	T, E	--	Open hole from 869-1,073 ft. Performance test: Drawdown of 47 ft pumping 220 gpm. <u>1</u>
* 505	Continental Overseas Well 4	do	1971	1,305	16	900	Qtal 6	3,860	310	do	T, E	--	Used to fill lake and wet down roads. Open hole from 900-1,305 ft. Gravel packed. Performance test: Drawdown of 98 ft pumping 1,084 gpm. <u>1 2</u>
701	Texas Department of Highways and Public Transportation	Texas Highway Department	1963	240	4-1/2	198	Qtal 6	3,748	159	Jan. 15, 1963	N	Ind	Not used. Slotted from 198-240 ft. Gravel packed. Reported yield 10 gpm. <u>1</u>
702	S. O. Roberts	--	--	241	5-1/2	--	Qtal 6	3,790	162.46	July 11, 1936	N	N	Not used.
* 703	Texas Department of Highways and Public Transportation	Brown & Ledford	1966	250	6-5/8	230	Qtal 6	3,770	184	June 7, 1966	N	N	Not used. Screen from 230-242 ft. <u>1</u>
704	do	Texas Highway Department	1967	273	6-5/8 4-1/2	167 273	Qtal 6	3,748	159	May 31, 1967	N	N	Not used. Slotted from 167-273 ft. <u>1</u>
* 705	do	K. C. Wheeler	1967	261	6-5/8	261	Qtal 6	3,770	183	June 22, 1967	Sub, E	P	Slotted from 226-250 ft. Gravel packed. Pump set at 212 ft. Reported yield 40 gpm. <u>1</u>
* 706	do	do	1967	253	6-5/8	253	Qtal 6	3,748	160	July 11, 1967	Sub, E	P	Slotted from 218-243 ft. Gravel packed. Reported yield 40 gpm. <u>1</u>
901	Wyatt Hedrick	--	--	420	7	--	Qtal 6	3,981	329.06 356.21	May 7, 1952 Sept. 4, 1956	W	N	Not used.
39-101	W. A. Rawls Ranch	--	--	160	18	160	Qal Rg	3,617	12.41 24.44	Mar. 9, 1953 Jan. 27, 1969	T, G	Irr	Gravel packed. Pump set at 80 ft. Reported yield 900 gpm. Historical observation well. <u>3 4</u>
* 102	Claude Davis	Payne & Ballard	1953	125	18	125	Qal Rg	3,616	27.93 11.05	Nov. 12, 1956 Jan. 11, 1977	T, G	Irr	Gravel packed. Pump set at 110 ft. Reported yield 1,200 gpm. Observation well. <u>1 3 4</u>
103	W. A. Rawls Ranch	Miller Drilling Company	1952	154	18	140	Qal Rg	3,615	--	--	T, G	Irr	Perforated 50-140 ft. Pump set at 80 ft. Estimated yield 1,700 gpm. <u>1 4</u>
104	Claude Davis	Payne & Ballard	1953	125	18	125	Qal Rg	3,614	22.50 8.52	Nov. 12, 1956 Oct. 24, 1973	T, G	Irr	Pump set at 110 ft. Estimated yield 2,000 gpm. <u>1 4</u>
105	Hector Flores	--	--	64	16	64	Qal Rg	3,616	--	--	Cf	Irr	Pump set at 60 ft. <u>4</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft.)	Casing		Water bearing unit	Altitude of land surface (ft.)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft.)			Below land-surface datum (ft.)	Date of measurement			
El Paso County--Continued													
JL-49-39-106	Claude Davis	Payne & Ballard	1953	132	18	125	Qal Rg	3,614	27.09 7.85	Aug. 10, 1956 Oct. 24, 1973	T, G	Irr	Pump set at 110 ft. Estimated yield 2,000 gpm. <u>1</u> <u>4</u>
107	Salvador Flores	--	--	64	16	64	Qal Rg	3,611	15.88	Nov. 12, 1956	N	N	Destroyed. <u>4</u>
108	Orr Farms, Inc.	--	--	--	20	--	Qal Rg	3,617	8.46	Feb. 26, 1974	T, G	Irr	Gravel packed. <u>4</u>
* 202	City of El Paso	City of El Paso	1957	1,647	14	1,647	--	3,602	+ 39.96 + 23.10	Jan. 14, 1969 May 10, 1977	Flows	N	Gravel packed. Plugged back from 1,783 ft to 1,647 ft. Yield: flows 530 gpm. Observation well. <u>1</u> <u>3</u> <u>4</u>
203	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1952	25	2	23	Qal Rg	3,606	9.2 7.6	Nov. 17, 1952 Dec. 1976	N	N	Observation well.
* 204	Paul and Lillian Thomas	--	--	90	16	90	Qal Rg	3,605	9.24 6.36	Mar. 10, 1953 Jan. 12, 1977	T, G	Irr	Gravel packed. Pump set at 80 ft. Observation well. <u>3</u> <u>4</u>
* 205	Leisure Valley Farms	--	--	156	18	156	Qal Rg	3,609	19.06 5.09	Aug. 15, 1956 Oct. 25, 1973	T	Irr	Gravel packed. Pump set at 120 ft. <u>4</u>
206	J. L. Daffron	--	--	66	18	66	Qal Rg	3,606	14.5 5.75	Nov. 12, 1956 Oct. 25, 1973	N	Irr	Not used. Capped with metal plate. <u>4</u>
* 207	City of El Paso	City of El Paso	1959	1,909	6	--	--	3,608	--	--	N	N	Abandoned. Test hole. <u>2</u>
* 208	do	do	1956	1,017	--	--	--	3,607	--	--	N	N	Test hole. <u>1</u> <u>2</u>
* 211	George Rancich	--	--	140	16	140	Qal Rg	3,600	7.37	Oct. 25, 1973	T, G	Irr	Pump set at 120 ft. <u>4</u>
212	Mike Maros and Steve Marasovich	--	--	--	--	--	Qal Rg	3,602	10.22	June 15, 1973	T, G	Irr	<u>4</u>
213	George Rancich	--	--	140	16	140	Qal Rg	3,610	9.39	Oct. 25, 1973	T, G	Irr	Not used. Pump set at 125 ft. <u>4</u>
* 214	Mrs. Jessie Romney	--	--	84	18	84	Qal Rg	3,607	14.88 7.59	Aug. 15, 1956 Oct. 25, 1973	T, G	Irr	Not used. <u>4</u>
215	Mike Maros	Morrison Drilling Company	1951	180	16	180	Qal Rg	3,611	9.29	Oct. 26, 1973	T, G	Irr	Perforated from 35-180 ft. Pump set at 100 ft. Estimated yield 1,800 gpm. <u>4</u>
* 216	do	do	1952	185	18	185	Qal Rg	3,611	8.85	do	N	N	Abandoned. Perforated from 35-185 ft. Gravel packed. Estimated yield 1,800 gpm. Temp. 67°F on Sept. 3, 1956.
217	do	do	1951	190	18	190	Qal Rg	3,612	23.70 9.79	Aug. 13, 1956 Oct. 26, 1973	N	N	Abandoned. Perforated from 35-190 ft. <u>4</u>
218	Fabens Production, Inc.	Payne & Ballard	1952	135	16	135	Qal Rg	3,615	13.28 17.44	Mar. 9, 1953 Dec. 28, 1966	N	N	Destroyed. Perforated from 35-135 ft. Estimated yield 2,000 gpm. Historical observation well. <u>3</u> <u>4</u>
219	Orr Farms, Inc.	--	--	71	18	71	Qal Rg	3,617	9.62	Oct. 26, 1973	T, G	Irr	Pump set at 60 ft. <u>4</u>
220	do	--	--	95	16	95	Qal Rg	3,616	7.83	do	T, G	Irr	Pump set at 90 ft. <u>4</u>
221	Salvador Flores	--	--	--	16	--	Qal Rg	3,614	31.22 8.44	Aug. 10, 1956 Oct. 26, 1973	T, G	Irr	<u>4</u>
* 222	City of El Paso	Miller Brothers	1951	120	18	120	Qal Rg	3,613	29.13 22.6	Aug. 10, 1956 Nov. 26, 1957	T, G	Irr	Pump set at 90 ft. Estimated yield 2,000 gpm. <u>4</u>
223	do	do	1951	120	18	120	Qal Rg	3,611	25.0 20.9	Nov. 12, 1956 Nov. 26, 1957	N	N	Destroyed. Estimated yield 2,400 gpm. <u>4</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-39-224	F. L. Madrid, Sr.	--	--	86	16	86	Qal Rg	3,611	--	--	T, G	Irr	Pump set at 75 ft. <u>4</u>
* 225	City of El Paso	--	--	140	18	140	Qal Rg	3,609	18.94 6.36	Nov. 26, 1957 Oct. 26, 1973	N	Irr	Not used. Capped with metal plate. Temp. 67°F on Aug. 6, 1956. <u>4</u>
226	W. A. Rawls Ranch	--	--	140	18	140	Qal Rg	3,611	34.60 8.09	Aug. 10, 1956 Oct. 26, 1973	T, G	Irr	Pump set at 80 ft. Estimated yield 2,000 gpm. <u>4</u>
227	do	Miller Drilling Company	1952	156	18	140	Qal Rg	3,611	32.85	Aug. 10, 1956	N	N	Destroyed. Slotted from 50-140 ft. Pump set at 80 ft. Estimated yield 1,700 gpm. <u>1</u> <u>4</u>
228	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1952	22	2	23	Qal Rg	3,609	10.2 6.8	Nov. 17, 1952 Dec. 1976	N	N	Observation well.
229	Rose Porter	--	--	73	16	73	Qal Rg	3,609	12.45 8.90	Mar. 10, 1953 Oct. 26, 1973	T, E	Irr	Pump set at 70 ft. <u>4</u>
230	Leo R. Schuster, Jr.	--	--	81	18	--	Qal Rg	3,600	12.32 5.07	Aug. 16, 1956 Oct. 26, 1973	T	Irr	Pump set at 65 ft. <u>1</u> <u>4</u>
231	Leisure Valley Farms	--	--	130	18	130	Qal Rg	3,597	11.02 5.70	Nov. 12, 1956 Jan. 12, 1977	T, G	Irr	Pump set at 80 ft. Observation well. <u>3</u> <u>4</u>
232	do	--	--	--	20	--	Qal Rg	3,599	5.00	Oct. 26, 1973	T	Irr	Gravel packed.
233	J. H. Marchbanks	--	--	--	18	--	Qal Rg	3,600	6.95	Nov. 27, 1973	T, G	Irr	Gravel packed.
234	George Rancich	--	--	--	18	--	Qal Rg	3,600	--	--	N	Irr	Not used.
235	Fabens Production, Inc.	Bill Mize	1955	115	18	115	Qal Rg	3,611	9.05	Nov. 26, 1973	T, G	Irr	Slotted from 35-115 ft. Gravel packed. <u>4</u>
302	Leisure Valley Farms	Morrison Drilling Company	1949	168	18	168	Qal Rg	3,605	--	--	T, Ng	Irr	Perforated from 40-148 ft. Pump set at 100 ft. Estimated yield 1,400 gpm. <u>1</u> <u>4</u>
* 303	Fabens Water Company	Layne-Texas Company	1941	328	10	328	Qtal 6	3,620	32	Jan. 1955	T, E	P	Perforated from 289-328 ft. Pump set at 174 ft. Performance test: Drawdown of 88 ft pumping 225 gpm on Sept. 1944. <u>1</u>
* 304	do	do	1943	350	12 10	250 350	Qtal 6	3,620	32	Jan. 1955	T, E	P	Perforated from 264-286 and 321-343 ft. Pump set at 174 ft. Performance test: Drawdown of 60 ft pumping 150 gpm in 1943. <u>1</u>
307	Leisure Valley Farms	Payne & Ballard	1954	149	18	149	Qal Rg	3,605	--	--	T, G	Irr	Perforated from 40-149 ft. Pump set at 100 ft. Estimated yield 1,800 gpm. <u>4</u>
* 308	Lutich Farms, Inc.	Miller Drilling Company	1951	169	16	169	Qal Rg	3,603	11.05	Nov. 16, 1973	T, G	Irr	Perforated from 40-169 ft. Plugged back from 200 ft to 169 ft. Pump set at 140 ft. Estimated yield 1,740 gpm. <u>1</u> <u>4</u>
309	Brady, Leitz & Coldwell	--	--	164	18	164	Qal Rg	3,605	23.04 9.95	Nov. 13, 1956 Nov. 16, 1973	T, Ng	Irr	Pump set at 90 ft. <u>4</u>
310	R. F. Cook	Morrison Drilling Company	1951	175	18	175	Qal Rg	3,598	29.05	Aug. 6, 1956	T, G	Irr	Perforated from 20-175 ft. Pump set at 150 ft. <u>1</u> <u>4</u>
* 311	do	Payne & Ballard	1956	171	16	171	Qal Rg	3,598	21.82 7.32	Nov. 13, 1956 Jan. 12, 1977	T, G	Irr	Perforated from 51-171 ft. Pump set at 90 ft. Estimated yield 1,500 gpm. Temp. 67°F on Aug. 10, 1956. Observation well. <u>3</u> <u>4</u>
312	do	--	1938	156	2	156	Qtal 6	3,600	--	--	J, E	D	Pump set at 20 ft.
* 313	do	Fred Clifford	1951	194	6	194	Qal Rg	3,598	23.10 19.8	Aug. 6, 1956 Nov. 27, 1957	J, E	D	Screen from 173-194 ft. Pump set at 60 ft. <u>1</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-39-314	R. F. Cook	--	1934	153	2	153	Qal Rg	3,598	25	July 7, 1956	J, E	D	Pump set at 29 ft.
* 315	Etta Mae Shultz	Miller Brothers	1951	200	18	200	Qal Rg	3,601	8.65	Nov. 29, 1973	T, G	Irr	Slotted from 30-200 ft. Pump set at 130 ft. Temp. 65°F on Aug. 31, 1956. <i>4</i>
316	Lutich Farms, Inc.	--	--	197	18	197	Qal Rg	3,604	37.00 10.14	Aug. 3, 1956 Nov. 16, 1973	T, G	Irr	Pump set at 120 ft. <i>4</i>
* 317	do	--	--	217	18	217	Qtal 6	3,604	9.45	do	T, G	Irr	Gravel packed. Pump set at 100 ft. <i>4</i>
* 318	Gail Surratt	-- Stacey	1954	204	18	204	Qal Rg	3,603	33.55 9.02	Aug. 3, 1956 Nov. 16, 1973	T, G	Irr	Pump set at 110 ft. <i>4</i>
* 319	Earl Eads, et al.	Miller Drilling Company	1951	160	18	160	Qal Rg	3,601	36.00 10.13	Aug. 21, 1956 Nov. 19, 1973	T, G	Irr	Plugged back from 205 ft to 160 ft. Pump set at 100 ft. <i>1/4</i>
320	do	do	1952	170	18	170	Qal Rg	3,601	37.59 10.34	Aug. 21, 1956 Nov. 19, 1973	T, G	Irr	Pump set at 110 ft. <i>4</i>
321	J. R. Wadsworth Estate	--	--	179	18	179	Qal Rg	3,600	23.20 7.11	Aug. 17, 1956 Nov. 29, 1973	T, G	Irr	Pump set at 110 ft. Temp. 68°F on Aug. 10, 1956. Observation well. <i>3/4</i>
* 322	C. J. Milner	Bill Mize	1952	192	18	192	Qal Rg	3,597	7.93	do	T, G	Irr	Perforated from 50-192 ft. Pump set at 130 ft. Estimated yield 2,250 gpm. Temp. 66°F on Sept. 5, 1956. <i>4</i>
323	R. T. Hoover, Jr., et al.	--	--	193	20	193	Qal Rg	3,597	8.85	Nov. 20, 1973	T, G	Irr	Pump set at 110 ft. <i>4</i>
324	J. R. and R. T. Hoover	--	--	180	18	180	Qal Rg	3,597	7.61	do	T, G	Irr	Do.
325	Barbara A. Elam Ward	--	--	195	18	195	Qal Rg	3,601	7.68	Nov. 29, 1973	T, G	Irr	Pump set at 120 ft. <i>4</i>
326	Paso Pecan Farms	--	--	250	18	250	Qal Rg/ Qtal 6	3,598	--	--	T, G	Irr	Pump set at 140 ft. <i>4</i>
327	Gail Surratt	--	1951	168	18	168	Qal Rg	3,602	--	--	T, E	Irr	Pump set at 110 ft. <i>4</i>
* 328	Leo R. Schuster, Jr.	Miller Drilling Company	1952	176	18	176	Qal Rg	3,598	34.70 6.44	Aug. 3, 1956 Jan. 12, 1977	T, G	Irr	Perforated from 40-176 ft. Pump set at 110 ft. Estimated yield 2,300 gpm. Observation well. <i>3/4</i>
* 329	do	Payne & Ballard	1951	153	18	153	Qal Rg	3,598	31.86 7.65	Aug. 3, 1956 Nov. 19, 1973	T, G	Irr	Perforated from 40-153 ft. Pump set at 90 ft. Estimated yield 2,300 gpm. <i>4</i>
330	Jesus and Esther J. Cervantes	--	--	--	16	--	Qal Rg	3,599	7.13	do	T, G	Irr	<i>4</i>
* 331	W. W. Hoover	Payne & Ballard	1950	114	18	114	Qal Rg	3,597	17.06 7.10	Aug. 15, 1956 Nov. 19, 1973	N	Irr	Not used. Temp. 66°F on Sept. 5, 1956. <i>4</i>
* 332	Leisure Valley Farms	Morrison Drilling Company	1950	147	18	147	Qal Rg	3,598	--	--	T, G	Irr	Perforated from 40-147 ft. Pump set at 100 ft. Estimated yield 1,800 gpm. <i>1/4</i>
* 333	do	do	1938	147	18	147	Qal Rg	3,597	--	--	T, G	Irr	Perforated from 40-147 ft. Pump set at 70 ft. Estimated yield 1,600 gpm. Temp. 66°F on Sept. 5, 1956. <i>4</i>
* 334	R. T. Hoover	--	--	187	20	187	Qal Rg	3,594	10.42 8.28	Mar. 9, 1953 Jan. 12, 1977	T	Irr	Pump set at 110 ft. Yield 1,125 gpm on Aug. 24, 1972. Temp. 66°F on Aug. 31, 1956. Observation well. <i>3/4</i>
335	R. T. Hoover, et al.	--	--	182	20	182	Qal Rg	3,599	7.78	Nov. 20, 1973	T, G	Irr	Pump set at 110 ft. <i>4</i>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-39-336	George B. Spence	--	--	--	18	--	Qal Rg	3,594	6.34	do	T	Irr	<u>4</u>
337	Leo Wilson	--	--	--	--	--	Qal Rg	3,598	7.90	Nov. 19, 1973	T, E	Irr	<u>4</u>
338	Gail Surratt	-- Schieffer	1962	--	18	--	Qal Rg	3,602	9.93	do	T, G	Irr	<u>4</u>
339	George Cook	Cecil Ballard	1972	202	16	202	Qal Rg	3,601	12	Nov. 11, 1972	T, G	Irr	Perforated from 60-202 ft. Gravel packed. <u>1</u>
340	D. Bills	--	--	--	16	--	Qal Rg	3,601	10.46	Nov. 29, 1973	T, C	Irr	--
341	J. H. Marchbanks	--	--	--	18	--	Qal Rg	3,601	8.45	do	T, G	Irr	--
342	Bernard Spence	Payne & Ballard	1952	88	18	88	Qal Rg	3,594	22.15	Aug. 15, 1956	T, E	Irr	Perforated from 15-88 ft. Reported yield 1,900 gpm. <u>4</u>
343	Mike and Mary Maros	Morrison Drilling Company	1951	200	18	200	Qal Rg	3,604	9.07	Nov. 16, 1973	T, G	Irr	Perforated from 35-200 ft. Pump set at 100 ft. Estimated yield 1,800 gpm. <u>4</u>
* 344	Horizon Land Corporation	K. C. Wheeler	1961	418	--	--	--	3,630	--	--	N	N	Abandoned test hole. Estimated yield 1,000 gpm. <u>2</u>
* 345	do	do	1961	495	--	--	--	3,625	--	--	N	N	Abandoned test hole. <u>2</u>
* 346	do	do	1970	562	--	--	--	3,590	--	--	N	N	Abandoned test hole. <u>1</u> <u>2</u>
347	Sun Valley Hydroponics	Ted Gardea	1973	65	3 2	56 65	Qal Rg	3,595	--	--	J, E	Ind	Slotted from 56-65 ft. Plugged back from 232 ft to 65 ft. Pump set at 50 ft. Reported yield 28 gpm. <u>1</u>
501	Leisure Valley Farms	--	--	--	18	--	Qal Rg	3,599	6.26	Nov. 27, 1973	T	Irr	Not used. <u>4</u>
601	Mary Segulia Estate	--	1952	115	18	115	Qal Rg	3,592	7.77 5.28	Mar. 10, 1953 Jan. 12, 1977	T, G	Irr	Pump set at 89 ft. Observation well. <u>3</u> <u>4</u>
602	Lettunich Farms, Inc.	--	--	--	16	--	Qal Rg	3,589	9.26 9.69	Mar. 8, 1967 Jan. 12, 1977	T, G	Irr	Observation well. <u>3</u> <u>4</u>
603	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1952	25	2	23	Qal Rg	3,596	9.7 7.5	Aug. 27, 1956 Dec. 1976	N	N	Observation well.
604	Margaret Stinett	--	--	--	18	--	Qal Rg	3,594	7.20	Nov. 27, 1973	T, G	Irr	<u>4</u>
605	J. Vasquez Farms, Inc.	--	--	--	84	84	Qal Rg	3,593	13.92 6.23	Nov. 12, 1956 Jan. 12, 1977	T, G	Irr	Observation well. <u>3</u> <u>4</u>
606	Lettunich Farms, Inc.	--	--	--	110	--	Qal Rg	3,594	7.55	Nov. 27, 1973	T	Irr	<u>4</u>
607	J. Vasquez Farms, Inc.	--	--	--	60	--	Qal Rg	3,593	--	--	N	Irr	Destroyed. <u>4</u>
608	Gene Strachan	--	--	--	80	80	Qal Rg	3,597	9.17	Nov. 26, 1973	N	Irr	Not used. <u>4</u>
609	George Wilson, Jr.	--	--	--	18	--	Qal Rg	3,598	7.30	Nov. 27, 1973	T, G	Irr	<u>4</u>
610	do	--	--	--	18	--	Qal Rg	3,598	7.30	do	T, G	Irr	--
611	J. H. Marchbanks	--	--	--	18	--	Qal Rg	3,597	5.84	Oct. 26, 1973	T, G	Irr	<u>4</u>
612	do	Cecil Ballard	1972	110	16	100	Qal Rg	3,592	10.0 7.41	Oct. 20, 1972 May 10, 1977	T, G	Irr	Observation well. <u>1</u> <u>3</u>
613	Lettunich Farms, Inc.	--	--	--	16	--	Qal Rg	3,594	8.26	Nov. 27, 1973	T, G	Irr	--
614	do	--	--	--	18	--	Qal Rg	3,594	7.61	July 27, 1973	N	Irr	<u>4</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks	
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement				
El Paso County--Continued														
JL-49-39-615	Lettonich Farms, Inc.	--	--	--	18	--	Qal Rg	3,588	8.61	Nov. 27, 1973	N	Irr	4/	
616	do	--	--	--	16	--	Qal Rg	3,592	7.70	Nov. 28, 1973	T, G	Irr	4/	
617	Etta Mae Shultz	--	--	90	16	90	Qal Rg	3,595	10.60	Oct. 25, 1973	T, G	Irr	Gravel packed. 4/	
618	W. D. Pruitt, Jr.	--	--	105	16	105	Qal Rg	3,592	6.63	Nov. 26, 1973	T, G	Irr	4/	
40-101	George Eads	Morrison Drilling Company	1951	204	18	204	Qtal 6	3,611	34.1	Nov. 13, 1956	T, G	Irr	Slotted from 30-204 ft. Pump set at 120 ft. Estimated yield 1,900 gpm. 4/	
*	102	J. H. Marchbanks, Jr.	Bill Mize	1953	198	16	198	Qtal 6	3,600	29.8 27.8	Aug. 17, 1956 Nov. 27, 1957	T, G	Irr	Slotted from 50-198 ft. Pump set at 150 ft. Temp. 69°F on Oct. 25, 1973. 4/
	103	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1952	25	2	25	Qal Rg	3,591	9.8 9.4	Nov. 17, 1952 Dec. 1976	N	N	Observation well.
*	104	H. D. Zachry	Wheeler Cass	1959	400	12	400	Qtal 6	3,790	211.40 289.34	Sept. 2, 1960 Jan. 12, 1977	N	N	Not used. Slotted from 300-400 ft. Estimated yield 700 gpm. Observation well. 3/
*	105	Horizon Land Corporation	K. C. Wheeler	1970	575	--	--	--	3,622	--	--	N	N	Test hole. 2/
*	106	O. A. Crider Well 1	Payne & Ballard	1951	190	18	179	Qal Rg	3,592	--	--	J, E	D, S	Slotted from 140-179 ft. Gravel packed. Yield 2,000 gpm. 1/ 4/
	107	O. A. Crider Well 2	Malone Drilling	1965	200	18	200	Qal Rg	3,592	10.45	Oct. 25, 1973	T, G	Irr	Slotted from 160-200 ft. Gravel packed. Reported yield 2,300 gpm.
	201	Humble Oil & Refining Company	Humble Oil & Refining Company	--	17,710	--	--	--	3,774	--	--	N	N	Oil test. 2/
	402	O. T. Smith	--	1946	240	6-5/8	240	Qtal 6	3,608	42	--	N	N	Destroyed. Perforated from 220-240 ft. Reported yield 25 gpm.
	403	Delphia Rhodes	Morrison Drilling Company	1950	152	16	152	Qal Rg	3,590	22.05 9.08	Nov. 12, 1956 Jan. 12, 1977	T, G	Irr	Slotted from 50-152 ft. Gravel packed. Pump set at 90 ft. Historical observation well. 3/ 4/
	404	Jess Burner Cattle Company	--	1940	350	12	350	Qtal 6	3,618	44.90 42.02	Dec. 28, 1966 Oct. 24, 1973	T, G	Irr	Screen from 250-350 ft. Gravel packed. Pump set at 150 ft.
*	405	do	K. C. Wheeler	1960	428	10	428	Qtal 6	3,624	48.00 59.83	June 1960 Jan. 18, 1976	T, E	S, Ind	Perforated from 261-428 ft. Pump set at 180 ft. Reported yield 1,000 gpm. Performance test: Draw-down of 110 ft. Observation well. 3/
	406	W. T. Henderson Estate	Payne & Ballard	1951	180	18	180	Qal Rg	3,585	9.73 9.32	Mar. 8, 1967 Jan. 12, 1977	T, G	Irr	Slotted from 50-180 ft. Pump set at 120 ft. Observation well. 3/
	408	Mrs. Kate Henderson	--	--	180	18	180	Qal Rg	3,585	10.13 10.17	Mar. 10, 1953 Jan. 12, 1977	T, G	Irr	Slotted from 100-180 ft. Gravel packed. Pump set at 120 ft. Historical observation well. 3/ 4/
	410	W. T. Henderson Estate	Payne & Ballard	1951	158	16	158	Qal Rg	3,585	--	--	T, G	Irr	Slotted from 50-158 ft. Gravel packed. Pump set at 90 ft.
	411	Coila Mebus Estate	do	1951	138	16	138	Qal Rg	3,585	--	--	T, G	Irr	Slotted from 50-138 ft. Gravel packed. Pump set at 90 ft. 4/
*	412	Horizon Land Corporation	K. C. Wheeler	1961	512	20 16 8	250 430 421	Qtal 6	3,634	65.0 63.04	Apr. 30, 1961 Oct. 29, 1973	N	P	Not used. Capped. Slotted 16 in. from 260-430 ft and slotted 8 in. from 271-421 ft. Gravel packed. Estimated yield 1,000 gpm. Performance test: Draw-down of 121 ft pumping 1,000 gpm on Apr. 30, 1961. 1/ 2/

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft.)	Casing		Water bearing unit	Altitude of land surface (ft.)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft.)			Below land-surface datum (ft.)	Date of measurement			
El Paso County--Continued													
JL-49-40-413	Sleepy Valley, Inc.	Rayford Guffy	1955	140	18	140	Qal Rg	3,587	8.61	Oct. 24, 1973	T, G	Irr	Slotted from 40-140 ft. Gravel packed. Pump set at 90 ft. <u>4</u>
414	Hiram Whitaker	Payne & Ballard	1955	80	16	80	Qal Rg	3,589	--	--	T, G	Irr	Slotted from 40-80 ft. Gravel packed. Pump set at 70 ft. <u>4</u>
415	C. Ivey	Rayford Guffy	--	80	16	80	Qal Rg	3,590	8.36	Oct. 24, 1973	T, G	Irr	Do.
* 416	Sleepy Valley, Inc.	Payne & Ballard	1956	128	18	128	Qal Rg	3,587	4.59	Oct. 25, 1973	T	Irr	Slotted from 50-128 ft. Gravel packed. Pump set at 90 ft. <u>4</u>
417	Dolphia Rhodes	Morrison Drilling Company	1950	178	18	178	Qal Rg	3,595	9.43	do	T, G	Irr	Slotted from 78-178 ft. Gravel packed. Pump set at 140 ft. <u>4</u>
418	Mary Segulia Estate	--	1952	90	18	90	Qal Rg	3,595	8.90	do	T, G	Irr	Slotted from 40-90 ft. Gravel packed. Pump set at 80 ft. <u>4</u>
419	do	--	--	90	18	90	Qal Rg	3,590	--	--	T, G	Irr	Do.
420	Louise Lovelady Farm, Inc.	Miller Drilling Company	1952	135	18	135	Qal Rg	3,585	7.94	Oct. 29, 1973	T, G	Irr	Slotted from 50-135 ft. Gravel packed. Pump set at 96 ft. <u>4</u>
421	do	-- Schieffer	1951	105	18	105	Qal Rg	3,585	7.05	do	T, G	Irr	Slotted from 50-105 ft. Gravel packed. Pump set at 90 ft. <u>4</u>
422	John Segulia	Miller Brothers	1952	135	16-5/8	135	Qal Rg	3,586	7.77	Oct. 25, 1973	N	Irr	Abandoned. <u>4</u>
423	do	Bill Mize	1952	125	18	125	Qal Rg	3,585	8.25	do	T, G	Irr	Slotted from 50-125 ft. Gravel packed. Pump set at 70 ft. <u>4</u>
424	do	K. C. Wheeler	1963	100	16	100	Qal Rg	3,586	7.30	do	T, G	Irr	Slotted from 60-100 ft. Gravel packed. Pump set at 70 ft.
425	Hiram Whitaker	--	1950	90	16	90	Qal Rg	3,584	9.85	do	T, G	Irr	Slotted from 40-90 ft. Pump set at 70 ft.
426	do	Bill Mize	1951	90	14	90	Qal Rg	3,584	--	--	T, G	Irr	Slotted from 40-90 ft. Gravel packed. Pump set at 80 ft.
427	do	do	1951	90	14	90	Qal Rg	3,584	9.76	Oct. 29, 1973	T, G	Irr	Do.
428	L. P. Shafer	Fred Scroggins	1952	95	18	95	Qal Rg	3,584	--	--	T	Irr	Slotted from 50-95 ft. Gravel packed. Pump set at 80 ft. <u>4</u>
429	Mrs. Kate Henderson	Cecil Ballard	--	180	18	180	Qal Rg	3,584	--	--	T, G	Irr	Slotted from 80-180 ft. Gravel packed. Pump set at 120 ft. <u>4</u>
430	E. E. Davis	Bill Mize	1951	60	14	60	Qal Rg	3,585	10.63	Mar. 10, 1953	T, G	Irr	Slotted from 30-60 ft. Gravel packed. Pump set at 55 ft. <u>4</u>
431	L. P. Shafer Well 1	Fred Scroggins	1952	105	18	105	Qal Rg	3,588	--	--	T, G	Irr	Slotted from 50-105 ft. Gravel packed. Pump set at 80 ft. <u>4</u>
432	L. P. Shafer Well 2	do	1952	175	18	175	Qal Rg	3,586	--	--	T, G	Irr	Slotted from 75-175 ft. Gravel packed. Pump set at 100 ft. <u>4</u>
433	C. Ivey Well 1	Rayford Guffy	1952	280	18	280	Qal Rg/ Qtal 6	3,581	7.99	Oct. 30, 1973	N	Irr	Abandoned. Slotted from 30-280 ft. Gravel packed. <u>4</u>
434	C. Ivey Well 4	Cecil Ballard	1972	89	16	89	Qal Rg	3,581	12	July 1, 1972	T, G	Irr	Slotted from 59-89 ft. Gravel packed. Pump set at 70 ft. <u>1</u>
435	Lectunich Farms, Inc. Well 3	Payne & Ballard	1951	--	18	200	Qal Rg	3,580	10.99	Oct. 29, 1973	N	Irr	Abandoned. Slotted from 50-200 ft. Gravel packed. Pump set at 175 ft. <u>4</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks		
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement					
El Paso County--Continued															
JL-49-40-436	C. Ivey Well 2	Rayford Guffy	1953	225	18	225	Qal Rg/ Qtal 6	3,581	8.25	Oct. 26, 1973	T, G	Irr	Slotted from 30-225 ft. Gravel packed. Pump set at 120 ft. Estimated yield 1,000 gpm. <u>4</u>		
*	502	Tornillo WSC	--	Schieffer	1965	257	8	257	Qtal 6	3,621	59.0	Aug. 1973	Sub, E	P	Screen from 242-257 ft. Gravel packed. Pump set at 125 ft.
*	503	O. T. Smith	--	Daugherty	1946	420	4	420	Qtal 6	3,608	42	--	N	P	Destroyed. Perforated from 320-420 ft. Reported yield was 50 gpm.
	504	C. P. Shafer		K. C. Wheeler	1963	197	20	197	Qtal 6	3,601	30.02	Oct. 24, 1973	T, G	Irr	Slotted from 60-197 ft. Pump set at 120 ft.
	505	Lettunich Farms, Inc. Well 4		Bill Mize	1953	300	14	300	Qtal 6	3,651	--	--	T, E	S, Irr	Slotted from 100-300 ft. Gravel packed. Pump set at 275 ft.
	506	C. Ivey		Hardrock Drilling Company	1958	100	3	95	Qtal 6	3,605	42	Apr. 1958	N	D	Abandoned. Screen from 95-100 ft. Gravel packed. <u>1</u>
	507	L. R. Allison Company		Miller Brothers	1950	140	14	140	Qal Rg	3,591	24.03	Nov. 1, 1973	T, G	Irr	Slotted from 100-140 ft. Gravel packed. Pump set at 90 ft. <u>4</u>
	508	W. D. Surratt	--	--	--	180	18	180	Qal Rg	3,593	--	--	T, G	Irr	Slotted from 100-180 ft. Gravel packed. Pump set at 120 ft. Temp. 71°F on Nov. 1, 1973. <u>4</u>
	509	do		K. C. Wheeler	1953	150	18	150	Qal Rg	3,593	79.03	Nov. 1, 1973	T, G	Irr	Slotted from 100-150 ft. Gravel packed. Pump set at 100 ft. Temp. 71°F on Nov. 1, 1973. <u>4</u>
	510	L. R. Allison Company Well 6		Morrison Drilling Company	1956	200	18	200	Qal Rg	3,575	5.80	Oct. 30, 1973	N	Irr	Abandoned. Poor quality. Slotted from 100-200 ft. Gravel packed. <u>4</u>
	511	Malone Well	--	Layne-Texas Company	--	2,831+	--	--	--	3,620	--	--	N	N	Oil test. <u>1</u>
*	512	Texas Department of Water Resources--U.S. Bureau of Reclamation	1976	Texas Water Development Board	1,018	--	--	Qtal 6	3,705	134.50	Aug. 12, 1976	N	N	Test hole. <u>1</u> <u>2</u>	
*	513	George Rancich	1976	Jim Coles	250	16	85	Qtal 6	3,600	--	--	T, G	--	--	Slotted from 85-250 ft. Pump set at 140 ft. Estimated yield 1,100 gpm on June 1, 1977.
*	601	H. D. Zachry	1959	Wheeler Cass	350	12	350	Qtal 6	3,790	225.12 224.79	Sept. 2, 1960 Jan. 12, 1977	N	Ind	Not used. Slotted from 250-350 ft. Estimated yield 350 gpm on Apr. 6, 1960. Observation well. <u>3</u>	
*	602	3 Way Cattle Feeders, Inc.	1963	K. C. Wheeler	350	12	350	Qtal 6	3,712	150.79	Oct. 26, 1973	T, E	S, Ind, Irr	Slotted from 250-350 ft. Gravel packed. Pump set at 280 ft.	
	603	do	1963	do	350	12	350	Qtal 6	3,691	--	--	T, E	S, Ind, Irr	Do.	
	701	Lettunich Farms, Inc. Well 2	1951	Payne & Ballard	200	18	200	Qal Rg	3,581	10.84 7.74	Mar. 8, 1967 May 10, 1977	T, G	Irr	Slotted from 50-200 ft. Pump set at 175 ft. Observation well. <u>3</u> <u>4</u>	
	702	Lettunich Farms, Inc. Well 1	1954	Bill Mize	200	18	200	Qal Rg	3,582	8.6 8.62	Mar. 14, 1962 Oct. 29, 1973	T, G	Irr	Slotted from 50-200 ft. Gravel packed. Pump set at 175 ft.	
	704	C. Ivey	1956	Rayford Guffy	200	18	200	Qal Rg	3,581	7.97 9.18	Mar. 17, 1962 May 10, 1977	T, G	Irr	Slotted from 40-200 ft. Gravel packed. Pump set at 120 ft. Observation well. <u>3</u> <u>4</u>	
	705	L. R. Allison Company Well 1	1951	Morrison Drilling Company	195	18	195	Qal Rg	3,582	8.81	Oct. 30, 1973	T, G	Irr	Slotted from 100-195 ft. Gravel packed. Plugged back from 200 ft to 195 ft. Pump set at 140 ft. <u>1</u> <u>4</u>	
	706	L. R. Allison Company Well 2	1952	do	195	18	195	Qal Rg	3,578	11.70	do	T	Irr	Not used. Slotted from 100-195 ft. Gravel packed. Plugged back from 212 ft to 195 ft. <u>1</u> <u>4</u>	

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
* JL-49-40-707	L. R. Allison Company Well 3	Marrison Drilling Company	1954	207	18	207	Qal Rg	3,577	9.64	Oct. 30, 1973	N	Irr	Not used. Capped with metal plate. Slotted from 100-207 ft. Gravel packed. <i>4</i>
708	L. R. Allison Company Well 4	Payne & Ballard	1955	266	18	266	Qal Rg/ Qtal 6	3,580	8.47	do	N	Irr	Abandoned. Slotted from 100-266 ft. Gravel packed. <i>4</i>
709	L. R. Allison Company Well 5	do	1955	247	18	247	Qal Rg/ Qtal 6	3,579	9.94	do	T, G	Irr	Slotted from 100-247 ft. Pump set at 120 ft. <i>4</i>
* 710	L. R. Allison Company Well 9	K. C. Wheeler	1962	234	16	234	Qal Rg/ Qtal 6	3,579	12.88	do	T, G	Irr	Slotted from 100-234 ft. Gravel packed. Pump set at 120 ft. <i>4</i>
711	L. R. Allison Company Well 11	do	1971	227	18	227	Qal Rg/ Qtal 6	3,580	--	--	T, G	Irr	Slotted from 100-227 ft. Gravel packed. Pump set at 120 ft.
* 712	L. R. Allison Company Well 12	do	1971	232	18	232	Qal Rg/ Qtal 6	3,580	12.46	Oct. 30, 1973	T, G	Irr	Slotted from 100-232 ft. Gravel packed. Pump set at 120 ft.
* 801	City of El Paso	City of El Paso	1959	3,000	6	--	--	3,575	--	--	N	N	Abandoned test hole. <i>1 2</i>
802	U.S. Bureau of Reclamation	U.S. Bureau of Reclamation	1952	23	2	22	Qal Rg	3,573	14.50 8.8	Aug. 27, 1956 Dec. 1976	N	N	Observation well.
* 803	L. R. Allison Company Well 10	K. C. Wheeler	1962	213	16	213	Qtal 6	3,577	11.99 13.82	Dec. 28, 1966 May 29, 1974	T, G	Irr	Screen from 203-213 ft. Gravel packed. Pump set at 120 ft. Historical observation well. <i>3</i>
804	J. Stoney Forcher	Wheeler Cass	1952	200	18	200	Qal Rg	3,573	7.97 8.55	Oct. 13, 1962 Nov. 1, 1973	T, G	Irr	Slotted from 100-200 ft. Gravel packed. Pump set at 100 ft. <i>4</i>
805	do	do	1952	200	18	200	Qal Rg	3,572	8.26	do	T, G	Irr	Do.
* 806	do	do	1952	200	18	200	Qal Rg	3,578	7.55	do	T, G	Irr	Slotted from 100-200 ft. Gravel packed. Pump set at 100 ft. Reported yield 1,800 gpm. <i>4</i>
807	Hideaway Lakes-- Bob Clingman	K. C. Wheeler	--	103	8-5/8	103	Qal Rg	3,570	--	--	T, E	Ind	Slotted from 60-103 ft. Gravel packed. Pump set at 93 ft.
* 808	Ben L. Ivey Well 1	-- Schieffer	1951	200	18	200	Qal Rg	3,572	11.04	Nov. 2, 1973	T, G	Irr	Slotted from 60-200 ft. Gravel packed. Pump set at 120 ft. Reported yield 1,600 gpm. <i>4</i>
809	Ben L. Ivey Well 2	Rayford Guffy	1952	214	18	214	Qal Rg/ Qtal 6	3,574	12.42 7.73	do May 10, 1977	T, G	Irr	Slotted from 60-214 ft. Gravel packed. Pump set at 90 ft. Reported yield 1,400 gpm. Observation well. <i>3 4</i>
* 810	Harold Ivey Well 1	K. C. Wheeler	1964	205	18	204	Qal Rg	3,575	--	--	T, G	Irr	Slotted from 83-204 ft. Reslotted from 92-167 ft. Gravel packed. Pump set at 156 ft. Reported yield 1,253 gpm. <i>1 4</i>
* 811	Harold Ivey Well 2	do	1964	121	16	121	Qal Rg	3,573	11.03	Nov. 2, 1973	T, G	Irr	Slotted from 48-121 ft. Gravel packed. Plugged back from 209 ft to 121 ft. Pump set at 100 ft. <i>1</i>
* 812	Harold Ivey Well 3	do	1964	152	16	152	Qal Rg	3,575	11.12	do	T, G	Irr	Slotted from 50-84 and 104-144 ft. Gravel packed. Pump set at 100 ft. Yield 579 gpm. <i>1 4</i>
* 813	Harold Ivey Well 4	Payne & Ballard	1954	159	18	159	Qal Rg	3,565	11.08	do	T, G	Irr	Slotted from 80-159 ft. Gravel packed. Pump set at 120 ft. Reported yield 1,800 gpm. <i>1 4</i>
814	L. R. Allison Company Well 7	Marrison Drilling Company	1956	200	18	200	Qal Rg	3,575	--	--	N	Irr	Abandoned. Poor quality. Slotted from 100-200 ft. <i>4</i>
815	L. R. Allison Company Well 8	Brown & Ledford	1951	201	18	201	Qal Rg	3,575	8.89	Oct. 30, 1973	N	Irr	Abandoned. Poor quality. Slotted from 100-201 ft. Gravel packed. <i>1 4</i>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
El Paso County--Continued													
JL-49-40-816	A. R., Jr. and Mildred Sanders	Miller Brothers	1952	163	18	163	Qal Rg	3,565	8.31	Nov. 1, 1973	T, G	Irr	Slotted from 63-163 ft. Gravel packed. Pump set at 120 ft. <u>4</u>
817	Robert I. Miller	do	1952	170	18	170	Qal Rg	3,565	8.43	do	T, G	Irr	Slotted from 70-170 ft. Pump set at 90 ft. <u>4</u>
901	Firmin Burrus Well 1	do	1952	150	18	150	Qal Rg	3,565	8.16 7.23	Mar. 14, 1962 Jan. 12, 1977	T, G	Irr	Slotted from 20-150 ft. Gravel packed. Pump set at 100 ft. Observation well. <u>3</u> <u>4</u>
902	Firmin Burrus Well 2	Payne & Ballard	1955	100	18	100	Qal Rg	3,565	7.82	Nov. 5, 1973	T, G	Irr	Slotted from 20-100 ft. Gravel packed. Pump set at 90 ft. <u>4</u>
903	Louis Burrus Well 1	Fred Scroggins	1952	150	20	150	Qal Rg	3,564	6.48	do	T, G	Irr	Slotted from 20-150 ft. Pump set at 110 ft.
904	Louis Burrus Well 2	Cecil Ballard	1972	100	14	100	Qal Rg	3,565	--	--	T	Irr	Slotted from 50-100 ft. Gravel packed. Pump set at 80 ft.
905	Frank Owen III	Wheeler Cass	1951	300	18	300	Qtal 6	3,655	90 98.16	1960 Nov. 5, 1973	T, E	Irr	Slotted from 200-300 ft. Gravel packed. Pump set at 240 ft. Reported yield 1,350 gpm.
Hudspeth County													
* FD-48-33-707	George Kurita Well 1	--	1963	63	16	63	Qal Rg	3,559	6.64	Nov. 5, 1973	T, G	Irr	Slotted from 20-63 ft. Gravel packed. Reported yield 800 gpm.
*	711 Skov Farms and Feedlot Well 7	Cecil Ballard	1948	125	18	125	Qal Rg	3,555	8.2 7.10	1962 Nov. 6, 1973	T, G	Irr	Screen from 90-125 ft. Pump set at 110 ft. Reported yield 600 gpm.
*	712 Skov Farms and Feedlot Well 6	Payne & Ballard	1950	90	16	90	Qal Rg	3,552	9.2 4.45	1962 Nov. 6, 1973	T, G	Irr	Screen from 50-90 ft. Pump set at 60 ft. Reported yield 1,200 gpm.
*	713 Skov Farms and Feedlot Well 1	Hardrock Drilling Company	1954	225	18	225	Qal Rg/ Qtal 6	3,555	11.5 12.00	Feb. 27, 1962 Nov. 6, 1973	T, G	Irr	Slotted from 80-100, and 190-225 ft. Pump set at 120 ft. Reported yield 1,350 gpm.
*	714 Skov Farms and Feedlot Well 2	Belt & Miller	1926	90	18	--	Qal Rg	3,554	--	--	T, G	Irr	Screen from 70-90 ft. Gravel packed. Pump set at 80 ft. Yield 1,500 gpm. <u>1</u>
	715 Skov Farms and Feedlot Well 3	Brown & Ledford	1957	189	18	189	Qal Rg	3,552	11.13	Nov. 6, 1973	T, G	Irr	Screen from 90-110 ft. Pump set at 90 ft. Reported yield 1,800 gpm. <u>1</u>
	716 Skov Farms and Feedlot Well 8	--	--	--	18	--	Qtal 6	3,560	14.2	Feb. 27, 1962	Sub, E	D, S	--
	717 John O. Bailey	Belt & Miller	1926	83	18	83	Qal Rg	--	--	--	N	N	Slotted from 52-72 ft. Gravel packed. <u>1</u>
*	34-801 U.S. Soil Conservation Service	K. C. Wheeler	1959	906	--	--	Qtal 6	--	--	--	T, G	Ind	Pump set at 470 ft.
	41-101 Skov Farms and Feedlot Well 5	Payne & Ballard	1954	172	20	172	Qal Rg	3,553	11.23	Nov. 6, 1973	T, G	Irr	Perforated from 90-120 ft. Gravel packed. Pump set at 120 ft.
*	102 Harold S. Lujan Well 1	do	1953	130	18	130	Qal Rg	3,550	11.00	Nov. 7, 1972	T, G	Irr	Slotted from 50-130 ft. Gravel packed. Pump set at 110 ft.
*	103 Harold S. Lujan Well 2	do	1954	100	16	100	Qal Rg	3,553	10.5 9.87	Feb. 26, 1962 Nov. 6, 1973	T, G	Irr	Slotted from 40-100 ft. Gravel packed. Pump set at 85 ft.
*	104 Skov Farms and Feedlot Well 4	Brown & Ledford	1954	189	18	189	Qal Rg	3,555	10.71	do	T, G	Irr	Screen from 90-110 ft. Gravel packed. Pump set at 110 ft. <u>1</u>
	105 Skov Farms and Feedlot	Belt & Miller	1926	81	18	81	Qal Rg	3,554	--	--	N	N	Slotted from 20-69 ft. Gravel packed. <u>1</u>
	201 Hudspeth County Conservation and Reclamation District No. 1	Layne-Texas Company	1957	817	--	--	--	3,547	--	--	N	N	Not used. Test hole. <u>1</u> <u>2</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
Hudspeth County--Continued													
* PD-48-41-202	E. H. Oliphant	--	1950	132	18	--	Qal Rg	3,548	9.65 7.52	Mar. 9, 1953 Feb. 9, 1977	T, G	Irr	Reported yield 1,600 gpm. Observation well. <u>y</u>
* 203	Mrs. A. S. Dwigans	Hardrock Drilling Company	1954	153	18	--	Qal Rg	3,549	10.4 10.15	Feb. 28, 1962 Nov. 7, 1973	T, G	Irr	<u>y</u>
* 204	George Eads	Payne & Ballard	1954	159	18	--	Qal Rg	3,550	11.36 10.29	Feb. 28, 1962 Nov. 7, 1973	T, G	Irr	Gravel packed. Pump set at 110 ft. Reported yield 1,500 gpm.
* 205	T. D. Lovelady	Miller Brothers	1952	120	18	--	Qal Rg	3,549	11.19	do	T, G	Irr	--
* 206	do	Hardrock Drilling Company	1961	132	18	132	Qal Rg	3,549	10.58	do	N	Irr	Not used. Plugged back from 142 ft to 132 ft. <u>y</u>
* 207	B. L. Rose	-- Schieffer	1961	142	18	--	Qal Rg	3,548	7.74 6.26	Feb. 28, 1962 Nov. 8, 1973	T, G	Irr	Gravel walled. Pump set at 60 ft.
* 208	Ramon Padilla	Hardrock Drilling Company	--	80	16 12	--	Qal Rg	3,548	8.53 5.14	Mar. 13, 1962 Nov. 8, 1973	T, G	Irr	Pump set at 60 ft.
* 209	John Segulia	do	1962	86	18	86	Qal Rg	3,547	12.63 7.04	Mar. 13, 1962 Nov. 8, 1973	T, G	Irr	Slotted from 46-86 ft. Gravel packed. Pump set at 70 ft. Plugged back from 105 ft to 86 feet. <u>y</u>
* 210	do	Miller Brothers	1952	90	18 16	50 90	Qal Rg	3,547	--	--	T, G	Irr	Slotted from 50-90 ft. Gravel packed. Pump set at 60 ft. Reported yield 1,200-1,300 gpm.
* 211	B. M. Jobe	Hardrock Drilling Company	1948	150	16	--	Qal Rg	3,544	--	--	T, G	Irr	--
* 212	A. R. Miller Well 1	--	1951	92	14	92	Qal Rg	3,547	10.52	Nov. 8, 1973	T	Irr	Slotted from 60-92 ft. Straight wall. Yield 1,100 gpm.
* 213	A. R. Miller Well 2	-- Daugherty	1953	81	18	81	Qal Rg	3,547	10.76	do	T	Irr	Slotted from 50-81 ft. Estimated yield 503 gpm.
* 214	A. R. Miller	-- McKinsey	1953	92	18	--	Qal Rg	3,547	10.44	Mar. 6, 1962	T	Irr	Yield 480 gpm.
* 215	Grady Miller, Jr.	Wheeler Cass	1958	90	18	--	Qal Rg	3,544	9.40 8.97	do Nov. 8, 1973	T, G	Irr	Gravel packed.
* 216	do	Miller Brothers	1951	70	18	--	Qal Rg	3,545	9.28 8.16	Mar. 6, 1962 Nov. 8, 1973	T, G	Irr	Gravel packed. Reported yield 700 gpm.
* 217	do	--	1951	160	18	--	Qal Rg	3,544	10.48	do	T, G	Irr	Gravel packed. Reported yield 1,200 gpm.
* 218	S. W. Cowan	L. Walker	1958	182	16	--	Qal Rg	3,544	8.23 5.76	Feb. 27, 1962 Nov. 12, 1973	T, G	Irr	--
* 219	Grady Miller, Jr.	Hardrock Drilling Company	1962	178	18	178	Qal Rg	3,546	7.85	do	T, G	Irr	Perforated from 47-178 ft. Gravel packed. <u>y</u>
* 220	John Segulia	Cecil Ballard	1972	64	18	64	Qal Rg	3,548	10'	July 20, 1972	T, G	Irr	Slotted from 34-64 ft. Gravel packed. Pump set at 50 ft. <u>y</u>
* 221	do	--	1963	70	16	70	Qal Rg	3,547	7.00	Nov. 8, 1973	T, G	Irr	Slotted from 40-70 ft. Gravel packed. Pump set at 60 ft.
* 222	Grady Miller, Jr.	Wheeler Cass	1972	160	18	160	Qal Rg	3,545	8.17	Nov. 14, 1973	T, G	Irr	Slotted from 40-160 ft. Gravel packed. <u>y</u>
* 223	Mrs. A. S. Dwigans	--	1951	160	18	--	Qtal 6	3,553	--	--	N	N	Destroyed. Gravel packed. <u>y</u>
* 224	Blas Loya	--	--	60	18	60	Qal Rg	3,555	11.41	Feb. 14, 1974	T, G	Irr	Slotted from 30-60 ft.
* 225	V. M. Ochoa	--	--	--	18	--	Qal Rg	3,549	11.21	Nov. 7, 1973	T, G	Irr	--

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water Level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
Hudspeth County--Continued													
PD-48-41-226	Mrs. A. S. Dwigans	Belt & Miller	1926	71	18	71	Qal Rg	3,553	--	--	N	N	Not used. Old drain well. Slotted from 20-65 ft. Gravel packed. <u>✓</u>
227	T. D. Lovelady	do	1926	101	18	101	Qal Rg	3,549	--	--	N	N	Do.
228	John Segulia	R. O. Smalley	1927	79	18	79	Qal Rg	3,549	--	--	N	N	Not used. Old drain well. Slotted from 43-67 ft. Gravel packed. <u>✓</u>
229	A. R. Miller	Belt & Miller	1926	83	18	83	Qal Rg	3,544	--	--	N	N	Not used. Old drain well. Slotted from 36-65 ft. Gravel packed. <u>✓</u>
230	Anson Wiseman	T. Boudreaux	1928	92	18	92	Qal Rg	3,542	--	--	N	N	Not used. Old drain well. Slotted from 10-60 ft. Gravel packed. <u>✓</u>
* 501	Carlos Aguilar	Miller Drilling Company	1951	68	18	--	Qal Rg	3,540	11.2 8.7	Mar. 15, 1962 Nov. 12, 1973	T	Irr	Gravel packed. Reported yield 800-1,000 gpm. <u>✓</u>
502	do	do	1951	64	18 16	-- --	Qtal 6	3,540	11.1 12.41	Feb. 27, 1962 Nov. 12, 1973	T, G	Irr	Reported yield 700 gpm. <u>✓</u>
503	Davidson Brothers	Morrison Drilling Company	--	--	18	--	Qal Rg	3,539	9.33	Nov. 16, 1973	T, G	Irr	--
504	do	do	--	--	18	--	Qal Rg	3,539	8.31	Nov. 14, 1973	T	Irr	--
505	R. M. Dye	Miller Drilling Company	1951	92	18	80	Qal Rg	3,539	8.66 9.50	Feb. 27, 1962 Nov. 14, 1973	N	Irr	Abandoned. Slotted from 50-80 ft. Reported yield 1,850 gpm. <u>✓</u>
506	do	Wheeler Cass	1972	100	18	100	Qal Rg	3,539	9.29	do	T, G	Irr	Perforated from 40-100 ft. Gravel packed. <u>✓</u>
507	do	Miller Drilling Company	1951	100	16	--	Qal Rg	3,538	10.75 7.47	Feb. 27, 1962 Nov. 14, 1973	T, G	Irr	Yield 1,500 gpm. <u>✓</u>
508	do	Bill Mize	1954	100	18	--	Qal Rg	3,539	8.00 8.89	Feb. 27, 1962 Nov. 16, 1973	T, G	Irr	Reported yield 2,000 gpm.
509	do	-- Morrison	1959	100	16 12	-- --	Qal Rg	3,536	8.2 10.32	Feb. 27, 1962 Nov. 14, 1973	T, G	Irr	Plugged back from 430 ft to 100 ft. Gravel packed. Reported yield 1,500 gpm.
510	Grady Miller, Jr.	Hardrock Drilling Company	1961	90	18	90	Qal Rg	3,537	9.64	Nov. 16, 1973	T, G	Irr	Slotted from 50-85 ft. Gravel packed. <u>✓</u>
511	Anson Wiseman	--	--	100	18	100	Qal Rg	3,541	8.20	Nov. 12, 1973	T	Irr	Slotted from 40-100 ft. Pump set at 85 ft.
512	do	--	--	165	18	165	Qal Rg	3,541	6.00	do	T, G	Irr	Slotted from 50-165 ft. Pump set at 85 ft:
513	do	--	--	90	18	90	Qal Rg	3,541	9.14	do	T	Irr	Slotted from 35-90 ft. Pump set at 85 ft.
514	do	--	--	140	18	140	Qal Rg	3,541	6.49	do	N	Irr	Abandoned.
515	Grady Miller	--	--	--	20	--	Qal Rg	3,537	8.00	Nov. 14, 1973	T	Irr	--
516	do	--	--	--	16	--	Qal Rg	3,538	11.05	do	T	Irr	--
517	Anson Wiseman	Belt & Miller	1926	84	18	83	Qal Rg	3,540	--	--	N	N	Not used. Old drain well. Slotted from 11-76 ft. Gravel packed. <u>✓</u>
518	Carlos Aguilar	do	1926	86	18	86	Qal Rg	3,540	--	--	N	N	Not used. Old drain well. Slotted from 15-60 ft. Gravel packed. <u>✓</u>
519	R. M. Dye	do	1925	200	20	135	Qal Rg	3,539	--	--	N	N	Not used. Old drain well. Slotted from 55-78 ft. Gravel packed. <u>✓</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
Hudseph County--Continued													
FD-48-41-520	Grady Miller, Jr.	Belt & Miller	1926	95	18	94	Qal Rg	3,538	--	--	N	N	Not used. Old drain well. Slotted from 42-73 ft. Gravel packed. <u>1</u>
601	Julian Franklin	--	--	50	16	--	Qal Rg	3,539	25.84 13.48	Mar. 9, 1953 Jan. 13, 1975	T, G	Irr	Observation well. <u>3</u>
* 602	Hudspeth County Conservation and Reclamation District No. 1	Layne-Texas Company	1957	709	--	--	--	3,558	--	--	N	N	Not used. Test hole. <u>1</u> <u>2</u>
603	Grady Miller, Jr.	Wheeler Cass	1972	296	18	296	Qal Rg/ Qtal 6	3,523	14.0 18.13	June 10, 1972 Dec. 5, 1973	T, G	Irr	Slotted from 40-296 ft. <u>1</u>
* 604	do	Fred Scroggins	1954	100	16	100	Qtal 6	3,541	14.16 18.55	Feb. 23, 1962 Nov. 14, 1973	N	Irr	Slotted from 80-100 ft. Gravel packed. Reported yield 1,700 gpm.
* 605	Bowen Company	--	--	102	16	--	Qtal 6	3,553	25.8 25.01	Feb. 23, 1962 Dec. 3, 1973	T	Irr	Pump set at 80 ft.
* 606	do	--	--	90	18	--	Qal Rg	3,542	--	--	T, G	Irr	Gravel packed.
607	do	--	--	90	16	--	Qtal 6	3,550	22.73	Dec. 3, 1973	N	Irr	--
608	Mrs. S. H. Cook	--	--	--	16	--	Qal Rg	3,541	14.21	do	T	Irr	--
609	do	--	--	--	18	--	Qal Rg	3,541	12.17	do	T	Irr	--
610	do	--	--	--	16	--	Qal Rg	3,531	8.21	Nov. 20, 1973	T	Irr	--
611	Davidson Brothers	Morrison Drilling Company	1951	--	18	--	Qal Rg	3,533	12.4 9.51	Nov. 20, 1962 Nov. 20, 1973	N	Irr	--
* 612	Julian Franklin	--	--	--	18	--	Qal Rg	3,534	8.55 8.10	Mar. 14, 1962 Dec. 3, 1973	T, G	Irr	--
* 613	do	--	--	--	18	--	Qal Rg	3,531	11.31	do	T, G	Irr	--
* 614	Anson Wiseman	Morrison Drilling Company	1951	104	18	--	Qal Rg	3,528	10.1 12.30	Mar. 6, 1962 Dec. 3, 1973	T	Irr	--
615	Grady Miller, Jr.	Miller Drilling Company	1951	140	18	--	Qal Rg	3,528	12.68	do	T	Irr	--
616	do	Wheeler Cass	1957	280	18	--	Qal Rg/ Qtal 6	3,530	9.4 2.13	Mar. 6, 1962 Dec. 5, 1973	T, G	Irr	Gravel packed.
617	do	do	1972	143	18	143	Qal Rg	3,522	13.17	do	T, G	Irr	Slotted from 40-143 ft. Gravel packed. Yield 1,000 gpm. <u>1</u>
618	do	do	1972	305	18	305	Qal Rg/ Qtal 6	3,523	15 18.20	May 20, 1972 Dec. 5, 1973	T	Irr	Slotted from 45-305 ft. Gravel packed. <u>1</u>
619	do	--	1955	280	18	--	Qal Rg/ Qtal 6	3,523	12.9 17.40	Mar. 6, 1962 Dec. 5, 1973	T, G	Irr	Gravel packed.
620	Anson Wiseman	--	--	--	18	--	Qal Rg	3,530	--	--	T	Irr	--
622	Grady Miller, Jr.	Belt & Miller	1926	72	18	72	Qal Rg	3,530	--	--	N	N	Not used. Old drain well. Slotted from 25-58 ft. Gravel packed. <u>1</u>
623	W. T. Sharp	--	1976	75	--	--	Qal Rg	--	--	--	S, E	D	--
901	do	Cecil Ballard	1967	300	16	300	Qal Rg	3,531	--	--	T, G	Irr	Slotted from 100-150 ft. Pump set at 150 ft.

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
Hudspeth County--Continued													
PD-48-41-902	W. T. Sharp	--	--	200	16	--	Qal Rg	3,531	19.92	Dec. 10, 1973	T	Irr	--
42-401	Grady Miller, Jr.	--	--	50	16	--	Qal Rg	3,525	9.39 9.11	Mar. 9, 1953 Dec. 5, 1973	N	N	Abandoned. Historical observation well. <u>3</u>
403	Davidson Brothers	Morrison Drilling Company	1951	112	16	112	Qal Rg	3,525	10.38 10.80	Feb. 21, 1962 Nov. 20, 1973	T, G	Irr	<u>1</u>
* 404	Texas Dept. of Highways and Public Transportation	K. C. Wheeler	1962	267	12-7/8	267	Qtal 6	3,610	93 89.08	Apr. 10, 1962 Nov. 14, 1973	N	Ind	Not used. Capped with metal plate. Slotted from 146-267 ft. Gravel packed. Yield 200 gpm.
405	Grady Miller, Jr.	Belt & Miller	1926	67	18	67	Qal Rg	3,525	--	--	N	N	Not used. Old drain well. Gravel packed. Slotted from 40-58 ft. <u>1</u>
* 701	B. E. Walker	Miller Drilling Company	1962	283	18	--	Qtal 6	3,520	12.41 10.39	Mar. 9, 1953 Feb. 9, 1977	T, G	Irr	Gravel packed. Pump set at 80 ft. Estimated yield 628 gpm on Apr. 2, 1962. Observation well. <u>3</u>
* 702	Fort Hancock Water Control & Improvement District	K. C. Wheeler	1960	213	8 6	170 213	Qal Rg/ Qtal 6	3,529	28	July 1960	T, E	P	Screen from 170-213 ft. Gravel packed. Pump set at 190 ft. Reported yield 100 gpm.
* 703	Hudspeth County Conservation & Reclamation District No. 1	Layne-Texas Company	1957	3,500	--	--	--	3,521	--	--	N	N	Test hole. <u>1</u> <u>2</u>
705	Grady Miller, Jr.	--	--	--	18	--	Qal Rg	3,529	16.14	Dec. 10, 1973	T, E	Irr	--
706	B. E. Walker	--	--	--	18	--	Qal Rg	3,520	15.77	Dec. 18, 1973	T, G	Irr	--
* 707	Grady Miller, Jr.	-- Schieffer	1951	169	16	--	Qal Rg	3,529	14.68	Dec. 5, 1973	T, G	Irr	<u>1</u>
* 708	Fort Hancock Water Control & Improvement District	K. C. Wheeler	--	189	12 8	--	Qal Rg	3,529	14.17	Dec. 10, 1973	T, E	P	--
709	Grady Miller, Jr.	--	1951	110	18.	--	Qal Rg	3,529	18.30	do	T	Irr	Gravel packed. Yield 1,500 gpm.
710	do	Wheeler Cass	1958	284	18	--	Qal Rg/ Qtal 6	3,528	19.80	do	T	Irr	Yield 1,600 gpm.
* 711	L. Lutich	Miller Brothers	1951	163	16	--	Qal Rg	3,528	12.5 16.58	Feb. 21, 1962 Dec. 10, 1973	T, G	Irr	Slotted from 0-163 ft. Reported yield 700 gpm.
* 712	do	--	--	173	16	--	Qal Rg	3,528	18.18	do	T	Irr	--
713	B. E. Walker	Miller Drilling Company	1952	135	18	--	Qal Rg	3,525	16.08	do	T, G	Irr	Drilled to 180 ft. Cased to 135 ft. Pump set at 80 ft. Gravel packed.
* 714	R. M. Dutton	-- Schieffer	1951	108	18	108	Qal Rg	3,525	--	--	T, G	Irr	<u>1</u>
* 715	do	Wayne Boone	--	210	18	--	Qal Rg/ Qtal 6	3,525	--	--	N	N	Destroyed. <u>1</u>
716	B. E. Walker	Fred Scroggins	1954	240	18	--	Qal Rg/ Qtal 6	3,520	15.75	Dec. 10, 1973	T, G	Irr	Gravel packed. Pump set at 80 ft. Estimated yield 1,330 gpm on Mar. 2, 1962.
717	do	Rayford Guffy	1954	135	18	--	Qal Rg	3,520	18.27 14.10	Mar. 2, 1962 Dec. 10, 1973	N	Irr	Not used. Slotted from 0-135 ft. Gravel packed.
718	do	Miller Brothers	1953	83	16	--	Qal Rg	3,520	14.45	Mar. 2, 1962	T	Irr	Gravel packed. Pump set at 70 ft.
719	do	Hardrock Drilling Company	1952	83	18	--	Qal Rg	3,520	8.46	do	T	Irr	Do.

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
Hudspeth County--Continued													
PD-48-42-720	B. E. Walker	--	--	--	16	--	Qal Rg	3,518	12.28	Dec. 19, 1973	T, G	Irr	--
721	do	Hardrock Drilling Company	1953	135	18	--	Qal Rg	3,524	11.3	Mar. 2, 1962	T, G	Irr	Gravel packed.
722	do	do	1955	135	18	--	Qal Rg	3,520	--	--	T, G	Irr	Gravel packed. Pump set at 80 ft.
723	do	--	--	--	18	--	Qal Rg	3,520	--	--	T	Irr	--
724	do	--	1953	69	20	--	Qal Rg	3,520	13.4 14.10	Mar. 2, 1962 Dec. 19, 1973	T, G	Irr	Gravel packed. Pump set at 60 ft.
725	do	Miller Brothers	1952	83	18	--	Qal Rg	3,517	13.1 11.37	Mar. 2, 1962 Dec. 19, 1973	T	Irr	Gravel packed.
* 726	J. M. Bryan	Fred Scroggins	1951	110	16	--	Qal Rg	3,521	14.29	Dec. 18, 1973	T, G	Irr	Reported yield 500 gpm.
* 727	Juan Mendeola	--	1949	140	18	--	Qal Rg	3,521	--	--	T, G	Irr	Reported yield 800 gpm.
728	L. Lutich	Brown & Ledford	1953	85	16	--	Qal Rg	3,523	12.6 13.14	Mar. 2, 1962 Dec. 18, 1973	T, G	Irr	Gravel packed. Reported yield 600 gpm.
729	do	Miller Brothers	1951	85	18	--	Qal Rg	3,523	9.8 12.57	Mar. 2, 1962 Dec. 18, 1973	T, G	Irr	Gravel packed. Estimated yield 1,000 gpm.
* 730	do	Hardrock Drilling Company	1951	140	16	140	Qal Rg	3,516	15.40	Dec. 19, 1973	N	Irr	Not used. Gravel packed.
731	B. E. Walker	--	--	--	--	--	Qal Rg	3,526	--	--	T, G	Irr	--
732	Grady Miller, Jr.	Belt & Miller	1925	113	18	110	Qal Rg	3,523	--	--	N	N	Not used. Old drain well. Slotted from 52-72 ft. Gravel packed. $\frac{1}{2}$
733	Hudspeth County Conservation & Reclamation District No. 1	T. Boudreaux	1927	117	18	117	Qal Rg	3,523	--	--	N	N	Not used. Old drain well. Slotted from 10-71 ft. Gravel packed. $\frac{1}{2}$
734	R. M. Dutton	Belt & Miller	1926	92	18	92	Qal Rg	3,524	--	--	N	N	Not used. Old drain well. Slotted from 20-70 ft. Gravel packed. $\frac{1}{2}$
735	B. E. Walker	J. R. Ballew	1927	91	18	91	Qal Rg	3,520	--	--	N	N	Not used. Old drain well. Slotted from 12-75 ft. Gravel packed. $\frac{1}{2}$
736	do	Belt & Miller	1925	186	18	186	Qal Rg	3,521	--	--	N	N	Not used. Old drain well. Slotted from 12-80 ft. Gravel packed. $\frac{1}{2}$
737	do	T. Boudreaux	1928	98	18	98	Qal Rg	3,520	--	--	N	N	Not used. Old drain well. Slotted from 10-83 ft. Gravel packed. $\frac{1}{2}$
801	H. D. Zachry	Wheeler Cass	1961	256	--	--	Qtal 6	--	--	--	N	Ind	Abandoned. Estimated yield 40-50 gpm.
802	A. W. Dwigans	do	1961	60	12	60	Qal Rg	--	--	--	T, E	Ind	Perforated from 30-60 ft. Yield 600 gpm.
803	L. Lutich	Miller Brothers	1951	85	18	--	Qal Rg	3,520	14.20	Dec. 19, 1973	N	Irr	Gravel packed.
804	B. E. Walker	--	--	--	18	--	Qal Rg	3,520	11.86	do	T	Irr	--
805	R. O. Collins	--	--	--	16	--	Qal Rg	3,520	11.70	do	N	Irr	--
806	Karl and Mary Friedman	--	--	--	18	--	Qal Rg	3,520	9.11 9.00	Mar. 2, 1962 Dec. 19, 1973	N	Irr	Not used.
807	Grady Miller, Jr.	--	--	--	18	--	Qal Rg	3,517	9.40	Dec. 20, 1973	T	Irr	--

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
Hudspeth County--Continued													
PD-48-42-808	B. E. Walker	R. O. Smalley	1927	107	18	107	Qal Rg	--	--	--	N	N	Not used. Old drain well. Slotted from 17-70 ft. Gravel packed. <u>y</u>
* 50-201	R. M. Dye	--	1952	90	18	90	Qal Rg	3,513	9.2	Mar. 27, 1962	N	Irr	Not used.
202	Tommy Powell	Rayford Guffy	1956	102	6	102	Qtal 6	--	45	Nov. 13, 1964	Sub, E	D	Reported yield 60 gpm.
* 203	Michael Bayer	-- Daugherty	1951	80	14	80	Qal Rg	3,510	11.7 10.45	Mar. 1, 1962 Dec. 20, 1973	T	Irr	Gravel packed.
204	J. Kennedy	Hardrock Drilling Company	1952	84	18	84	Qal Rg	3,508	13.87	do	N	Irr	Not used. Gravel packed.
205	K. & D. Development and Construction	--	--	--	16	--	Qal Rg	3,504	12.3	Mar. 24, 1962	N	Irr	Not used.
* 206	do	J. R. Ballew	1927	95	20	95	Qal Rg	3,504	12.85	Dec. 20, 1973	N	N	Not used. Old drain well. Slotted from 28-86 ft. Gravel packed. <u>y</u>
207	do	--	--	--	16	--	Qal Rg	3,505	--	--	T	Irr	Not used.
208	do	--	--	--	14	--	Qal Rg	3,504	10.8 8.3	Mar. 24, 1962 Jan. 2, 1974	T	Irr	Do.
209	do	--	--	--	18	--	Qal Rg	3,503	11.0	do	T	Irr	--
301	do	W. M. Robinson	1927	85	18	85	Qal Rg	3,502	8.83	do	T	--	Old drain well. Slotted from 65-81 ft. <u>y</u>
302	H. McMillan	K. C. Wheeler	1962	148	--	--	Qtal 6	--	--	--	N	N	Abandoned. Insufficient water.
303	--	do	1962	520	--	--	Qtal 6	--	--	--	N	N	Abandoned.
304	-- Ivy	-- Daugherty	1954	100	6	100	Qtal 6	3,570	45	Dec. 14, 1964	Sub, E	D	Reported yield 60 gpm.
305	Karl and Mary Friedman	J. R. Ballew	1927	87	18	87	Qal Rg	3,505	--	--	N	N	Old drain well. Slotted from 10-78 ft. Gravel packed. <u>y</u>
601	K. & D. Development and Construction	--	--	--	16	--	Qal Rg	3,505	14.28	Mar. 9, 1953	T	Irr	--
602	do	--	--	--	12	--	Qal Rg	3,502	5.73	Jan. 2, 1974	T	Irr	--
603	do	--	--	--	16	--	Qal Rg	3,502	8.41	Jan. 4, 1974	T	Irr	--
* 604	do	--	--	69	16	--	Qal Rg	3,500	10.46	Jan. 2, 1974	N	Irr	--
605	do	--	--	--	16	--	Qal Rg	3,499	9.20 9.53	Mar. 1, 1962 Jan. 2, 1974	T	Irr	--
606	do	Belt & Miller	1925	90	22	90	Qal Rg	3,502	11.24 8.96	Mar. 1, 1962 Jan. 2, 1974	N	N	Not used. Old drain well. Slotted from 63-86 ft. <u>y</u>
607	do	--	--	--	18	--	Qal Rg	3,500	8.25 5.53	Mar. 1, 1962 Jan. 2, 1974	T	Irr	--
608	do	--	--	--	18	--	Qal Rg	3,500	5.71	do	T	Irr	--
609	do	--	--	--	16	--	Qal Rg	3,504	7.10	do	N	Irr	--
610	Mrs. S. H. Cook	--	--	--	14	--	Qal Rg	3,500	4.41	Jan. 4, 1974	T, G	Irr	--
611	K. & D. Development and Construction	--	--	--	--	--	Qal Rg	3,500	--	--	T, G	Irr	--

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water Level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
Hudspeth County--Continued													
PD-48-50-612	K. & D. Development and Construction	--	--	--	16	--	Qal Rg	3,500	6.15	Jan. 2, 1974	T	Irr	--
613	do	--	--	--	18	--	Qal Rg	3,498	6.57 4.50	May 1, 1962 Jan. 2, 1974	T	Irr	--
614	do	--	--	--	16	--	Qal Rg	3,497	6.68 3.57	Mar. 1, 1962 Jan. 2, 1974	N	Irr	--
* 615	J. Hoover	--	--	--	64	14	Qal Rg	3,493	8.0 9.12	Feb. 28, 1962 Jan. 4, 1974	N	Irr	--
616	K. & D. Development and Construction	J. R. Ballew	1927	--	88	10	88 Qal Rg	3,500	--	--	N	N	Old drain well. Slotted from 10-80 ft. Gravel packed. <u>y</u>
617	do	W. M. Robinson	1926	--	97	18	90 Qal Rg	3,501	--	--	N	N	Old drain well. Slotted from 68-88 ft. Gravel packed. <u>y</u>
618	do	Belt & Miller	1925	--	142	20	103 Qal Rg	3,497	--	--	N	N	Old drain well. Slotted from 70-86 ft. Gravel packed. <u>y</u>
619	do	do	1926	--	90	18	90 Qal Rg	3,497	--	--	N	N	Old drain well. Slotted from 72-83 ft. Gravel packed. <u>y</u>
620	do	J. R. Ballew	1927	--	92	18	92 Qal Rg	3,494	--	--	N	N	Old drain well. Slotted from 66-83 ft. Gravel packed. <u>y</u>
621	V. M. Ochoa	do	1927	--	92	18	92 Qal Rg	3,493	--	--	N	N	Old drain well. Slotted from 10-84 ft. Gravel packed. <u>y</u>
* 901	do	--	--	--	18	--	Qal Rg	3,493	6.66	Jan. 4, 1974	N	N	Abandoned.
902	C. McKinney	--	--	--	16	--	Qal Rg	3,493	7.42	Feb. 28, 1962	N	Irr	--
903	J. Hoover	--	--	--	14	--	Qal Rg	3,493	7.76 8.86	do Jan. 4, 1974	T	Irr	--
51-401	H. McMillan	K. C. Wheeler	1962	--	178	--	Qtal 6	--	--	--	N	N	Abandoned.
402	J. Hoover	--	--	--	18	--	Qal Rg	3,493	6.37 5.30	Feb. 28, 1962 Jan. 4, 1974	N	Irr	--
403	do	--	--	--	12	--	Qal Rg	3,493	5.84 4.63	Feb. 28, 1962 Jan. 4, 1974	N	Irr	Observation well.
404	do	--	--	--	12	--	Qal Rg	3,493	6.9 4.40	Feb. 28, 1962 Jan. 4, 1974	N	Irr	Do.
405	do	--	--	--	14	--	Qal Rg	3,492	7.34 4.90	Feb. 28, 1962 Jan. 4, 1974	T, G	Irr	Do.
406	Mrs. S. H. Cook	--	--	--	18	--	Qal Rg	3,493	6.5 3.56	Feb. 28, 1962 Jan. 4, 1974	N	Irr	--
407	L. R. Young	--	1951	--	79	16	Qal Rg	3,490	9.59 5.64	May 1, 1962 Jan. 7, 1974	N	Irr	--
408	Grady Miller, Jr.	Roscoe Moss Company	1925	--	90	18	92 Qal Rg	3,493	--	--	N	N	Old drain well. Slotted from 50-82 ft. Gravel packed. <u>y</u>
409	J. Hoover	Belt & Miller	1925	--	89	18	89 Qal Rg	3,493	--	--	N	N	Old drain well. Slotted from 70-84 ft. Gravel packed. <u>y</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
Hudspeth County--Continued													
PD-48-51-410	J. Hoover	Roscoe Moss Company	1926	90	18	90	Qal Rg	3,492	--	--	N	N	Old drain well. Slotted from 40-82 ft. Gravel packed. <u>y</u>
411	do	do	1926	90	18	90	Qal Rg	3,491	--	--	N	N	Old drain well. Slotted from 10-75 ft. Gravel packed. <u>y</u>
412	J. B. Bean	do	1926	82	18	82	Qal Rg	3,493	--	--	N	N	Old drain well. Slotted from 40-60 ft. Gravel packed. <u>y</u>
413	J. Hoover	J. R. Ballew	1927	106	18	106	Qal Rg	3,494	--	--	N	N	Old drain well. Slotted from 10-54 ft. Gravel packed. <u>y</u>
414	J. B. Bean	T. Boudreaux	1928	74	18	60	Qal Rg	3,493	--	--	N	N	Old drain well. Slotted from 10-56 ft. Gravel packed. <u>y</u>
415	J. Hoover	do	1928	75	18	63	Qal Rg	3,493	--	--	N	N	Old drain well. Slotted from 15-60 ft. Gravel packed. <u>y</u>
601	Tommy Powell	H. Virdell	1960	75	6	75	Qtal 6	--	30	Nov. 13, 1964	Sub, E	D	Reported yield 20 gpm.
602	--	Hardrook Schieffer	--	400	--	--	Qtal 6	--	--	--	--	--	Abandoned test hole.
* 702	Jim Bean	Bill Mize	1950	83	16	--	Qal Rg	3,488	8.28 7.0	May 1, 1962 Jan. 7, 1974	N	Irr	Not used.
703	T. R. Chesser	do	1950	80	16	--	Qal Rg	3,488	9.20	do	T, G	Irr	--
704	Rene Gonzalez	--	--	--	16	--	Qal Rg	3,488	9.33 7.80	Mar. 13, 1962 Jan. 7, 1974	T	Irr	--
705	do	--	--	71	18	71	Qal Rg	3,488	8.33	do	N	Irr	Not used.
706	G. E. Spinnler, Jr.	--	1963	90	16	90	Qal Rg	3,490	8.14	do	T, G	Irr	Slotted from 50-90 ft. Pump set at 90 ft.
707	do	Cecil Ballard	1963	90	16	90	Qal Rg	3,490	8.07	do	N	Irr	Not used. Slotted from 50-90 ft.
708	do	-- McKinsey	1951	84	16	84	Qal Rg	3,490	7.49 8.04	Mar. 13, 1962 Jan. 7, 1974	T, G	Irr	Slotted from 44-84 ft. Gravel packed. Pump set at 70 ft. Reported yield 764 gpm. <u>y</u>
709	do	do	1951	90	16	90	Qal Rg	3,490	9.10 7.66	Mar. 13, 1962 Jan. 7, 1974	T, G	Irr	Slotted from 55-90 ft. Gravel packed. Pump set at 70 ft. Reported yield 754 gpm. <u>y</u>
710	do	El Paso Drilling & Equipment	--	82	16	82	Qal Rg	3,490	10.87 10.17	Mar. 13, 1962 Jan. 7, 1974	T	Irr	Slotted from 50-82 ft. Gravel packed. Pump set at 60 ft. Reported yield 613 gpm. <u>y</u>
711	do	--	--	30	72	--	Qal Rg	3,490	10.8	Apr. 19, 1961	N	S	Destroyed. Yield 10 gpm.
712	S. W. Cowan	Hardrook Drilling Company	1951	80	18	--	Qal Rg	3,485	9.9 8.83	Feb. 23, 1962 Jan. 8, 1974	T	Irr	Not used.
* 713	Rene Gonzalez	Rene Gonzalez	1974	18	--	--	Qal Rg	3,490	--	--	J, E	D, S	--
714	do	Rosco Moss Company	1926	89	18	89	Qal Rg	3,490	--	--	N	N	Old drain well. Slotted from 10-81 ft. Gravel packed. <u>y</u>
715	do	do	1926	83	18	83	Qal Rg	3,490	--	--	N	N	Old drain well. Slotted from 20-74 ft. Gravel packed. <u>y</u>
716	G. E. Spinnler, Jr.	do	1926	88	18	88	Qal Rg	3,489	--	--	N	N	Old drain well. Slotted from 55-80 ft. Gravel packed. <u>y</u>
717	do	do	1926	89	18	89	Qal Rg	3,487	--	--	N	N	Old drain well. Slotted from 20-82 ft. Gravel packed. <u>y</u>

See footnotes at end of table.

Table 5.--Records of Selected Wells--Continued

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Below land-surface datum (ft)	Date of measurement			
Hudspeth County--Continued													
PD-48-51-718	John Segulia	J. R. Ballew	1927	89	18	89	Qal Rg	3,490	--	--	N	N	Old drain well. Slotted from 10-82 ft. Gravel packed. ¹
719	S. W. Cowan	Roscoe Moss Company	1926	92	18	92	Qal Rg	3,485	--	--	N	N	Old drain well. Slotted from 25-85 ft. Gravel packed. ¹
*	802	Grady Miller, Jr.	--	90	16	--	Qal Rg	3,480	10.78 7.31	Mar. 9, 1953 Feb. 9, 1977	T	Irr	Observation well. ³
	803	S. W. Cowan	1951	81	16	81	Qal Rg	3,487	5.9	Mar. 6, 1962	T	Irr	Slotted from 51-81 ft. Gravel packed.
*	804	F. D. Gibson	1951	85	16	--	Qal Rg	3,479	6.3 4.78	Mar. 7, 1962 Jan. 8, 1974	T, G	Irr	Gravel packed.
*	805	do	1951	81	16	--	Qal Rg	3,477	7.5 5.45	Mar. 7, 1962 Jan. 8, 1974	T, G	Irr	Reported yield 800 gpm. ¹
	806	Sportsman Club	1926	89	18	89	Qal Rg	3,485	--	--	N	N	Old drain well. Slotted from 55-80 ft. Gravel packed. ¹
	807	Grady Miller, Jr.	1926	95	18	95	Qal Rg	3,480	--	--	N	N	Old drain well. Slotted from 15-86 ft. Gravel packed. ¹
	808	F. D. Gibson	1926	89	18	89	Qal Rg	3,485	--	--	N	N	Old drain well. Slotted from 15-80 ft. Gravel packed. ¹
*	901	Richard Rosen, Inc.	--	68	16	--	Qal Rg	3,476	3.0	Jan. 8, 1974	N	Irr	Not used.
	59-303	do	1948	80	16	--	Qal Rg	3,470	4.96 6.05	Mar. 27, 1962 Jan. 8, 1974	T, G	Irr	Gravel packed.
	304	do	1948	67	16	--	Qal Rg	3,470	6.14 4.42	Mar. 27, 1962 Jan. 8, 1974	N	Irr	Not used.
*	60-101	S. W. Cowan	1952	84	16	84	Qal Rg	3,455	12.74 6.86	Mar. 1962 Jan. 11, 1974	N	Irr	Reported yield 1,500 gpm.
	401	J. B. Bean	1950	70	16	--	Qal Rg	3,460	7.60 5.36	May 9, 1953 Jan. 11, 1974	T, G	Irr	Historical observation well. ³
	802	T. Neely	--	--	4	--	Qal Rg	--	7.2	Mar. 16, 1962	C, W	S	--
	901	Mary Neely & Son	1952	--	5	--	Qtal 6	3,540	115.00 108.19	Jan. 9, 1970 Feb. 9, 1977	C, G	S	Observation well. ³
*	50-04-201	J. F. Neely	--	85	16	85	Qal Rg	3,450	10.8 9.58	1962 Jan. 11, 1974	T, G	Irr	Slotted from 60-85 ft.

* For chemical analyses of water, see Table 7.

- ¹ Drillers' log in files of the Texas Department of Water Resources, Austin, Texas.
² Geophysical log in files of the Texas Department of Water Resources, Austin, Texas.
³ For water-level measurements from observation wells, see Table 6.
⁴ For specific conductance and dissolved-solids content of water, see Table 8.

Table 6.—Water-Level Measurements From Observation Wells

Measurements in feet below land-surface datum.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
El Paso County		Well JL-49-03-317—Continued		Well JL-49-04-105—Continued	
Well JL-48-33-70T		June 19, 1956	4.8	Sept. 8, 1958	14.6
Owner: John O. Bailey		Jan. 9, 1957	6.9	Sept. 19, 1958	15.3
Aug. 3, 1948	8.00	Jan. 9, 1958	5.9	Oct. 2, 1958	9.4
Mar. 9, 1953	5.05	Oct. 23, 1958	3.0	Oct. 16, 1958	8.9
Jan. 18, 1954	3.80	Jan. 13, 1959	4.6	Oct. 31, 1958	8.3
Jan. 30, 1955	8.91	Well JL-49-03-912		Nov. 10, 1958	32.3
Jan. 31, 1956	10.64	Owner: C. M. Tallmon		Nov. 24, 1958	37.1
Jan. 21, 1957	11.85	Mar. 26, 1952	13.7	Dec. 2, 1958	37.7
Jan. 28, 1958	13.93	Feb. 19, 1953	9.8	Dec. 12, 1958	38.0
Jan. 19, 1959	5.58	Nov. 11, 1954	11.3	Dec. 22, 1958	38.5
Jan. 29, 1960	5.07	Jan. 21, 1955	10.6	Jan. 9, 1959	39.2
Jan. 29, 1962	4.85	Jan. 18, 1956	11.9	Feb. 16, 1973	37.86
Dec. 13, 1962	5.43	Jan. 11, 1957	13.2	Well JL-49-04-106	
Dec. 11, 1963	4.70	Jan. 10, 1958	12.1	Owner: City of El Paso	
Dec. 14, 1964	12.14	Jan. 13, 1959	7.7	Aug. 28, 1951	6.77
Feb. 10, 1966	12.78	Well JL-49-03-914		Feb. 16, 1953	6.67
Dec. 28, 1966	6.05	Owner: H. L. Cordell		Nov. 10, 1954	7.00
Dec. 27, 1967	7.50	Feb. 19, 1953	10.2	Jan. 20, 1955	6.78
Jan. 27, 1969	6.02	Jan. 8, 1954	10.8	Jan. 17, 1956	7.54
Jan. 31, 1970	5.28	Mar. 18, 1975	9.62	Aug. 17, 1956	7.26
Jan. 12, 1972	5.30	Well JL-49-04-104		Jan. 10, 1957	7.99
Well JL-49-03-303		Owner: City of El Paso		June 11, 1957	2.61
Owner: D. Greenwood		Aug. 5, 1957	24.88	Jan. 9, 1958	7.79
Dec. 29, 1967	11.20	Feb. 16, 1973	39.51	Oct. 17, 1958	5.87
Oct. 10, 1974	9.45	Jan. 22, 1974	141.85	Jan. 13, 1959	7.16
Mar. 14, 1975	10.91	Well JL-49-04-105		Feb. 19, 1959	7.55
Well JL-49-03-317		Owner: City of El Paso		Jan. 18, 1960	7.73
Owner: M. Baca		May 26, 1958	39.3	Jan. 30, 1962	8.10
Jan. 11, 1952	5.63	June 9, 1958	38.8	Dec. 27, 1962	7.93
Nov. 8, 1954	4.2	June 17, 1958	37.7	Dec. 16, 1963	8.36
Jan. 19, 1955	5.1	June 30, 1958	38.7	Dec. 8, 1964	10.23
Apr. 25, 1955	4.9	July 25, 1958	40.1	Jan. 14, 1966	9.81
June 6, 1955	5.3	Aug. 12, 1958	43.6	Dec. 14, 1966	9.09
Sept. 27, 1955	4.7	Aug. 28, 1958	18.9	Oct. 23, 1967	9.03
Jan. 16, 1956	6.1			Dec. 29, 1967	9.38
Apr. 26, 1956	3.3			Jan. 22, 1974	64.18

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-107		Well JL-49-04-111—Continued		Well JL-49-04-111—Continued	
Owner: City of El Paso		Oct. 3, 1971	51.12	Sept. 20, 1975	52.37
Aug. 26, 1957	14.55	Nov. 20, 1971	35.33	Oct. 20, 1975	91.92
Jan. 22, 1974	22.67	Dec. 14, 1971	21.40	Nov. 20, 1975	61.77
Jan. 27, 1975	19.88	Feb. 20, 1972	75.62	Dec. 20, 1975	57.55
Jan. 22, 1976	28.82	Mar. 20, 1972	75.02	Jan. 20, 1976	71.95
Well JL-49-04-110		Apr. 19, 1972	67.57	Mar. 12, 1976	91.00
Owner: City of El Paso		May 20, 1972	90.45	Apr. 20, 1976	86.80
Sept. 17, 1964	29.9	June 20, 1972	46.34	May 20, 1976	90.79
Jan. 1972	22.62	July 20, 1972	61.50	June 24, 1976	93.86
Jan. 22, 1974	17.34	Aug. 20, 1972	31.04	July 22, 1976	65.88
Jan. 27, 1975	16.20	Sept. 27, 1972	31.68	Aug. 16, 1976	79.95
Jan. 22, 1976	21.12	Oct. 13, 1972	49.36	Sept. 17, 1976	80.42
Well JL-49-04-111		Nov. 1, 1972	36.09	Oct. 21, 1976	87.27
Owner: City of El Paso		Dec. 17, 1972	38.37	Nov. 21, 1976	76.58
May 26, 1966	58.70	Feb. 20, 1973	40.60	Dec. 21, 1976	63.29
Jan. 20, 1967	86.90	Mar. 20, 1973	59.31	Jan. 19, 1977	74.87
Feb. 8, 1967	84.30	Apr. 20, 1973	51.10	Feb. 17, 1977	77.00
Mar. 20, 1967	55.16	May 20, 1973	43.74	Mar. 5, 1977	91.34
Apr. 20, 1967	38.82	June 20, 1973	55.58	Mar. 23, 1977	89.79
May 20, 1967	36.15	Aug. 20, 1973	71.47	Apr. 20, 1977	90.89
June 20, 1967	30.52	Sept. 20, 1973	64.58	May 24, 1977	80.70
Aug. 20, 1967	46.57	Oct. 20, 1973	74.13	June 21, 1977	69.09
Sept. 20, 1967	39.92	Dec. 21, 1973	83.94	July 22, 1977	41.90
Oct. 14, 1967	41.98	Feb. 20, 1974	63.90	Well JL-49-04-112	
Nov. 15, 1967	54.60	Mar. 10, 1974	92.70	Owner: City of El Paso	
Dec. 20, 1967	87.00	July 15, 1974	58.59	Nov. 28, 1966	25.39
Jan. 20, 1968	72.19	Aug. 26, 1974	65.55	Dec. 23, 1966	26.48
Feb. 20, 1968	85.93	Oct. 20, 1974	59.95	Dec. 28, 1967	25.54
Mar. 19, 1968	67.97	Nov. 20, 1974	66.70	Jan. 21, 1969	23.77
Mar. 23, 1971	88.16	Dec. 20, 1974	67.12	June 18, 1969	25.58
Apr. 28, 1971	66.10	Jan. 20, 1975	64.35	Jan. 21, 1970	23.71
May 20, 1971	45.05	Feb. 20, 1975	64.36	June 23, 1970	23.33
June 20, 1971	43.05	Mar. 21, 1975	87.30	Jan. 26, 1971	25.30
July 12, 1971	38.54	May 20, 1975	76.49	June 5, 1974	25.49
Aug. 26, 1971	58.32	June 20, 1975	90.44	Jan. 22, 1976	23.93
Sept. 20, 1971	52.05	July 20, 1975	91.27	Mar. 4, 1977	23.37
		Aug. 20, 1975	70.80		

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-113		Well JL-49-04-115—Continued		Well JL-49-04-115—Continued	
Owner: City of El Paso		Jan. 20, 1960	8.12	Feb. 20, 1963	11.22
May 2, 1960	48.08	Feb. 20, 1960	8.47	Mar. 20, 1963	9.03
Jan. 1972	45.63	Mar. 20, 1960	8.41	Apr. 20, 1963	8.92
Feb. 16, 1973	34.42	Apr. 20, 1960	7.94	May 20, 1963	8.52
Jan. 27, 1975	52.83	May 20, 1960	8.96	June 20, 1963	11.72
Jan. 22, 1976	58.36	June 20, 1960	8.90	July 20, 1963	13.55
Well JL-49-04-115		July 20, 1960	7.55	Aug. 20, 1963	10.45
Owner: City of El Paso		Aug. 20, 1960	7.13	Sept. 20, 1963	8.29
Sept. 21, 1957	9.04	Sept. 20, 1960	6.93	Oct. 23, 1963	8.97
Oct. 20, 1957	9.00	Oct. 20, 1960	8.06	Nov. 27, 1963	8.67
Nov. 20, 1957	9.08	Nov. 20, 1960	8.54	Dec. 20, 1963	8.98
Dec. 20, 1957	9.28	Dec. 20, 1960	8.67	Jan. 20, 1964	9.37
Jan. 20, 1958	9.40	Jan. 20, 1961	8.98	Feb. 20, 1964	9.95
Feb. 20, 1958	9.82	Feb. 20, 1961	9.16	Mar. 20, 1964	11.90
Mar. 20, 1958	10.17	Mar. 20, 1961	8.40	Apr. 20, 1964	9.77
Apr. 20, 1958	8.68	Apr. 20, 1961	8.88	May 20, 1964	10.70
May 20, 1958	8.19	May 20, 1961	9.00	June 20, 1964	14.09
June 20, 1958	7.55	June 20, 1961	8.53	July 20, 1964	11.92
July 20, 1958	7.45	July 20, 1961	7.73	Aug. 20, 1964	11.93
Aug. 20, 1958	7.39	Aug. 20, 1961	9.31	Sept. 20, 1964	10.10
Sept. 20, 1958	6.04	Sept. 20, 1961	7.21	Oct. 20, 1964	11.10
Oct. 28, 1958	6.06	Oct. 18, 1961	8.27	Nov. 16, 1964	11.44
Nov. 20, 1958	7.05	Nov. 20, 1961	8.54	Dec. 20, 1964	11.19
Dec. 20, 1958	7.48	Dec. 20, 1961	8.73	Jan. 24, 1965	11.68
Jan. 20, 1959	7.57	Jan. 20, 1962	8.93	Feb. 20, 1965	12.33
Feb. 20, 1959	8.00	Feb. 20, 1962	9.23	Mar. 20, 1965	16.93
Mar. 20, 1959	7.57	Mar. 20, 1962	12.34	Apr. 20, 1965	12.05
Apr. 20, 1959	6.87	Apr. 20, 1962	8.34	May 20, 1965	14.38
May 20, 1959	7.00	May 20, 1962	10.90	June 11, 1965	14.33
June 20, 1959	7.79	June 20, 1962	8.28	July 20, 1965	12.60
July 20, 1959	6.98	July 20, 1962	7.57	Aug. 20, 1965	11.70
Aug. 20, 1959	6.50	Aug. 20, 1962	9.39	Sept. 20, 1965	10.29
Sept. 20, 1959	6.11	Sept. 20, 1962	6.83	Oct. 20, 1965	10.89
Oct. 20, 1959	7.36	Oct. 20, 1962	6.90	Nov. 20, 1965	11.23
Nov. 20, 1959	7.73	Nov. 20, 1962	8.25	Jan. 28, 1966	11.19
Dec. 20, 1959	7.93	Dec. 20, 1962	8.67	Feb. 20, 1966	11.96
		Jan. 20, 1963	7.88	Mar. 20, 1966	12.04

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-115—Continued		Well JL-49-04-115—Continued		Well JL-49-04-115—Continued	
Apr. 20, 1966	10.08	Apr. 20, 1969	10.99	Apr. 20, 1972	12.96
May 20, 1966	9.32	May 20, 1969	11.63	May 20, 1972	18.08
June 19, 1966	13.44	June 20, 1969	10.05	June 20, 1972	13.80
July 20, 1966	11.51	July 20, 1969	9.20	July 20, 1972	14.04
Aug. 21, 1966	9.42	Aug. 20, 1969	8.77	Aug. 20, 1972	14.40
Sept. 13, 1966	8.77	Sept. 20, 1969	8.39	Sept. 20, 1972	13.50
Oct. 20, 1966	9.91	Oct. 20, 1969	10.16	Oct. 20, 1972	12.79
Nov. 20, 1966	9.52	Nov. 20, 1969	8.94	Nov. 20, 1972	12.08
Dec. 20, 1966	10.54	Dec. 20, 1969	9.24	Dec. 20, 1972	11.97
Jan. 20, 1967	11.15	Jan. 20, 1970	9.29	Jan. 9, 1973	11.92
Feb. 20, 1967	11.04	Feb. 20, 1970	9.72	Feb. 20, 1973	11.94
Mar. 20, 1967	10.93	Mar. 20, 1970	8.83	Mar. 15, 1973	12.16
Apr. 20, 1967	10.68	Apr. 20, 1970	9.46	Apr. 15, 1973	12.32
May 20, 1967	11.05	May 20, 1970	9.62	May 14, 1973	12.43
June 20, 1967	9.96	June 20, 1970	11.31	June 15, 1973	13.14
July 20, 1967	13.97	July 20, 1970	7.78	July 9, 1973	15.00
Aug. 9, 1967	13.98	Aug. 20, 1970	9.85	Oct. 15, 1973	10.15
Sept. 27, 1967	10.17	Sept. 20, 1970	9.07	Nov. 9, 1973	8.69
Oct. 20, 1967	10.28	Oct. 20, 1970	9.77	Dec. 21, 1973	9.58
Nov. 20, 1967	10.44	Nov. 20, 1970	10.50	Mar. 15, 1974	8.66
Dec. 20, 1967	10.64	Dec. 20, 1970	9.41	Apr. 15, 1974	9.87
Jan. 20, 1968	10.65	Jan. 20, 1971	10.04	June 15, 1974	12.12
Feb. 20, 1968	10.32	Feb. 4, 1971	9.25	July 20, 1974	9.26
Mar. 20, 1968	10.89	Mar. 20, 1971	10.40	Aug. 15, 1974	10.51
Apr. 20, 1968	8.58	Apr. 20, 1971	10.50	Sept. 15, 1974	8.56
May 20, 1968	11.55	May 20, 1971	11.46	Oct. 15, 1974	8.45
June 20, 1968	10.88	June 20, 1971	12.28	Nov. 15, 1974	7.33
July 20, 1968	10.43	July 20, 1971	13.23	Dec. 15, 1974	8.31
Aug. 20, 1968	9.60	Aug. 20, 1971	12.04	Jan. 15, 1975	8.36
Sept. 20, 1968	8.80	Sept. 20, 1971	10.71	Feb. 15, 1975	8.52
Oct. 20, 1968	9.75	Oct. 20, 1971	10.68	Mar. 15, 1975	10.05
Nov. 20, 1968	9.60	Nov. 20, 1971	10.77	Apr. 15, 1975	8.66
Dec. 20, 1968	9.24	Dec. 20, 1971	9.09	May 15, 1975	9.48
Jan. 20, 1969	9.46	Jan. 25, 1972	10.58	June 13, 1975	10.05
Feb. 20, 1969	10.34	Feb. 20, 1972	11.76	July 20, 1975	9.51
Mar. 20, 1969	10.62	Mar. 20, 1972	12.21	Aug. 15, 1975	9.53

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-115—Continued		Well JL-49-04-118—Continued		Well JL-49-04-122	
Nov. 20, 1975	9.16	Jan. 10, 1958	48.8	Owner: C. C. Woodward	
Dec. 20, 1975	8.92	Jan. 28, 1969	51.2	Jan. 11, 1952	9.75
Jan. 15, 1976	9.18	Well JL-49-04-119		Feb. 12, 1953	11.01
Feb. 15, 1976	7.99	Owner: City of El Paso		Nov. 9, 1954	11.06
Mar. 15, 1976	11.20	May 28, 1968	14.62	Jan. 20, 1955	10.63
Apr. 20, 1976	12.18	July 18, 1968	12.10	Jan. 16, 1956	11.24
May 20, 1976	10.29	Oct. 25, 1968	12.85	Jan. 9, 1958	11.22
June 24, 1976	10.55	Jan. 21, 1969	13.24	Jan. 15, 1959	10.11
July 22, 1976	9.15	Mar. 20, 1969	13.58	Jan. 13, 1960	10.47
Aug. 16, 1976	10.43	June 18, 1969	13.06	Dec. 27, 1962	9.92
Sept. 17, 1976	8.68	Sept. 26, 1969	11.53	Dec. 28, 1967	10.10
Oct. 21, 1976	9.54	Jan. 21, 1970	13.89	Jan. 28, 1968	10.03
Nov. 21, 1976	9.36	Mar. 27, 1970	13.96	Jan. 27, 1970	9.35
Dec. 21, 1976	9.91	June 23, 1970	12.63	Feb. 1, 1971	9.65
Jan. 19, 1977	9.21	Sept. 23, 1970	11.39	Jan. 7, 1972	10.10
Feb. 17, 1977	9.84	Jan. 1971	13.47	Jan. 26, 1973	11.65
Mar. 23, 1977	13.30	June 21, 1971	13.93	Jan. 1974	10.54
Apr. 20, 1977	11.48	Oct. 28, 1971	14.10	Jan. 23, 1975	9.58
May 24, 1977	14.10	Jan. 7, 1972	14.82	Jan. 10, 1976	6.70
June 21, 1977	16.81	Mar. 24, 1972	15.27	Dec. 28, 1976	8.79
July 22, 1977	17.09	June 30, 1972	15.86	Well JL-49-04-124	
Well JL-49-04-116		Sept. 26, 1972	14.86	Owner: Anna L. Andreas	
Owner: City of El Paso		Mar. 22, 1973	16.42	Jan. 10, 1952	22.9
July 13, 1964	25.40	Jan. 22, 1974	15.09	Feb. 12, 1953	20.2
Jan. 1972	10.85	Apr. 11, 1974	15.42	Nov. 9, 1954	22.6
Feb. 16, 1973	12.00	June 5, 1974	15.06	Jan. 20, 1955	21.8
Jan. 22, 1974	9.74	Oct. 2, 1974	13.90	Jan. 16, 1956	22.7
Jan. 27, 1975	9.14	Jan. 27, 1975	15.41	Jan. 10, 1957	23.8
Jan. 22, 1976	10.04	Mar. 19, 1975	15.80	Jan. 9, 1958	23.9
Well JL-49-04-118		Sept. 29, 1975	10.71	Jan. 12, 1958	24.4
Owner: U.S. Bureau of Prisons		Jan. 1976	14.08	Jan. 13, 1959	22.6
June 2, 1952	43.9	Mar. 17, 1976	14.07	Well JL-49-04-132	
Feb. 10, 1953	44.2	June 25, 1976	11.82	Owner: U.S. Bureau of Prisons	
Jan. 20, 1955	44.4	Mar. 4, 1977	14.77	Oct. 16, 1936	44.30
Jan. 16, 1956	45.6			May 27, 1937	45.80
				Feb. 10, 1953	47.10

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-138		Well JL-49-04-141—Continued		Well JL-49-04-402	
Owner: Emory White		Nov. 9, 1954	10.0	Owner: City of El Paso	
Jan. 10, 1950	49.14	Jan. 19, 1955	8.5	Feb. 14, 1957	0.89
Jan. 10, 1958	54.94	Jan. 10, 1957	10.3	Jan. 1972	41.05
Jan. 15, 1959	56.24	Jan. 9, 1958	9.8	Feb. 16, 1973	41.46
Jan. 13, 1960	58.89	Jan. 13, 1959	7.3	Jan. 22, 1974	46.15
Jan. 9, 1961	59.85	Well JL-49-04-142		Jan. 27, 1975	35.98
Jan. 30, 1962	61.05	Owner: M. R. Hemley		Jan. 22, 1976	50.10
Dec. 28, 1962	74.18	Aug. 28, 1951	6.8	Mar. 5, 1977	57.74
Dec. 16, 1963	70.30	Feb. 16, 1953	6.7	Well JL-49-04-403	
Jan. 23, 1965	73.85	Nov. 10, 1954	7.0	Owner: City of El Paso	
Jan. 14, 1966	82.12	Jan. 20, 1955	6.8	Apr. 18, 1952	5.48
Dec. 14, 1966	77.24	Jan. 17, 1956	7.5	Apr. 25, 1952	5.55
Jan. 28, 1969	73.79	Aug. 17, 1956	7.3	May 5, 1952	5.60
Jan. 27, 1970	73.86	Jan. 10, 1957	8.0	May 22, 1952	5.60
Feb. 2, 1971	76.52	Jan. 9, 1958	7.8	June 2, 1952	5.68
Jan. 7, 1972	71.92	Oct. 17, 1958	5.9	June 6, 1952	5.61
Jan. 29, 1973	77.76	Jan. 13, 1959	7.2	June 9, 1952	5.69
Jan. 1974	77.76	Well JL-49-04-401		June 13, 1952	5.70
Jan. 23, 1975	73.17	Owner: City of El Paso		June 16, 1952	5.71
Jan. 10, 1976	72.58	July 15, 1958	42.8	June 26, 1952	5.30
Well JL-49-04-140		July 25, 1958	42.8	June 30, 1952	5.26
Owner: M. R. Hemley		Aug. 28, 1958	25.9	July 8, 1952	5.35
Aug. 28, 1951	16.3	Sept. 19, 1958	22.6	July 9, 1952	5.37
Feb. 16, 1953	9.3	Sept. 28, 1958	22.3	July 10, 1952	5.35
Nov. 9, 1954	15.9	Oct. 2, 1958	16.5	July 11, 1952	5.43
Jan. 19, 1955	10.1	Oct. 16, 1958	16.9	Feb. 16, 1953	5.36
Jan. 17, 1956	11.8	Oct. 31, 1958	16.4	Nov. 10, 1954	7.08
Jan. 10, 1957	11.5	Nov. 10, 1958	35.5	Jan. 20, 1955	7.52
Nov. 1, 1957	10.8	Nov. 24, 1958	40.1	June 3, 1955	8.87
Jan. 9, 1958	11.0	Dec. 2, 1958	40.5	Jan. 26, 1957	23.11
Jan. 13, 1959	9.2	Dec. 12, 1958	40.9	Sept. 17, 1957	20.63
Well JL-49-04-141		Dec. 22, 1958	41.2	Oct. 8, 1957	18.95
Owner: Gus Eminger		Jan. 9, 1959	41.8	Jan. 9, 1958	15.35
Jan. 17, 1952	5.2	Jan. 27, 1975	40.82	Jan. 14, 1959	8.31
Jan. 16, 1953	7.6			Jan. 12, 1960	8.80

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-403—Continued		Well JL-49-04-405—Continued		Well JL-49-04-406—Continued	
Jan. 8, 1961	9.45	Jan. 9, 1958	10.54	July 8, 1952	5.44
Jan. 30, 1962	9.40	Jan. 14, 1959	4.85	July 9, 1952	65.35
Dec. 28, 1962	9.32	Jan. 12, 1960	5.24	July 10, 1952	65.45
Dec. 16, 1963	10.70	Jan. 8, 1961	5.75	July 15, 1952	8.51
Dec. 8, 1964	17.15	Jan. 30, 1962	5.85	Feb. 16, 1953	6.89
Jan. 14, 1966	16.11	Dec. 28, 1962	5.89	Nov. 10, 1954	8.08
Dec. 14, 1966	11.90	Dec. 16, 1963	7.19	Jan. 20, 1955	7.33
Dec. 29, 1967	18.18	Dec. 8, 1964	13.13	Apr. 25, 1955	8.29
Jan. 21, 1969	9.94	Jan. 14, 1966	11.78	June 3, 1955	8.43
June 19, 1969	62.63	Dec. 13, 1966	8.87	Jan. 13, 1956	9.81
Jan. 22, 1970	9.31	Dec. 27, 1967	14.90	Apr. 26, 1956	8.91
June 23, 1970	14.63	Jan. 21, 1969	8.12	June 19, 1956	11.06
Jan. 25, 1971	10.10	June 19, 1969	34.40	Jan. 10, 1957	15.28
June 21, 1971	73.02	Jan. 22, 1970	7.03	Oct. 8, 1957	12.43
Jan. 1972	16.23	June 23, 1970	11.84	Jan. 9, 1958	11.15
Jan. 1973	17.36	Jan. 26, 1971	8.39	Jan. 14, 1959	8.01
Jan. 22, 1974	11.70	June 21, 1971	35.57	May 21, 1959	59.77
Jan. 27, 1975	7.72	Jan. 1972	13.33	Jan. 12, 1960	8.46
Jan. 22, 1976	8.92	Jan. 1973	15.00	Jan. 30, 1962	7.95
June 25, 1976	11.53	Jan. 22, 1974	9.67	Dec. 27, 1962	9.20
Mar. 5, 1977	8.30	Jan. 27, 1975	5.76	Dec. 16, 1963	9.60
		Jan. 22, 1976	7.12	Dec. 8, 1964	15.06
		June 25, 1976	9.11	Jan. 14, 1966	12.45
				Dec. 14, 1966	10.64
				Dec. 29, 1967	13.18
				Jan. 21, 1969	11.05
				June 19, 1969	63.63
				Jan. 21, 1970	8.96
				June 23, 1970	12.10
				Jan. 26, 1971	9.74
				June 22, 1971	65.67
				Jan. 1972	11.65
				Jan. 1973	14.39
				Jan. 21, 1974	10.23
				Jan. 27, 1975	8.24
				Jan. 22, 1976	8.84
Well JL-49-04-404		Well JL-49-04-406			
Owner: City of El Paso		Owner: City of El Paso			
Aug. 24, 1964	25.84	Apr. 18, 1952	5.63		
Jan. 1972	21.13	Apr. 25, 1952	6.01		
Feb. 19, 1973	22.91	May 5, 1952	6.08		
Jan. 22, 1974	13.12	May 22, 1952	5.50		
Jan. 27, 1975	10.59	May 29, 1952	5.71		
Jan. 22, 1976	13.77	June 2, 1952	5.98		
Well JL-49-04-405		June 13, 1952	5.90		
Owner: City of El Paso		June 16, 1952	5.49		
Jan. 13, 1956	7.11	June 26, 1952	6.18		
Jan. 26, 1957	19.70	June 30, 1952	5.07		
Sept. 17, 1957	14.88				
Oct. 8, 1957	13.88				

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-406—Continued		Well JL-49-04-407—Continued		Well JL-49-04-408—Continued	
June 25, 1976	9.81	Jan. 22, 1976	8.73	Jan. 1973	16.82
Mar. 5, 1977	9.14	June 25, 1976	8.38	Jan. 22, 1974	10.02
Well JL-49-04-407		Mar. 5, 1977	9.56	Jan. 27, 1975	7.80
Owner: City of El Paso		Well JL-49-04-408		Jan. 22, 1976	8.44
Jan. 13, 1956	15.07	Owner: City of El Paso		June 25, 1976	11.32
Jan. 10, 1957	18.92	Nov. 23, 1955	15.5	Mar. 5, 1977	9.55
Sept. 17, 1957	19.38	Jan. 13, 1956	12.09	Well JL-49-04-409	
Oct. 8, 1957	18.85	Jan. 10, 1957	19.29	Owner: City of El Paso	
Oct. 9, 1958	8.28	Sept. 17, 1957	19.09	June 3, 1955	10.65
Oct. 16, 1958	8.52	Oct. 8, 1957	18.15	Jan. 13, 1956	13.15
Oct. 23, 1958	8.53	Oct. 9, 1958	6.70	Oct. 23, 1967	40.38
Oct. 30, 1958	8.47	Oct. 16, 1958	6.85	Dec. 29, 1967	16.58
Nov. 18, 1958	8.76	Oct. 23, 1958	6.86	Jan. 22, 1970	8.34
Jan. 14, 1959	8.67	Oct. 30, 1958	6.81	June 23, 1970	31.37
Feb. 19, 1959	8.65	Nov. 18, 1958	7.14	Jan. 25, 1971	9.24
Feb. 27, 1959	8.73	Jan. 14, 1959	7.39	June 21, 1971	43.19
Mar. 9, 1959	8.57	Feb. 19, 1959	7.48	Jan. 1973	17.05
Jan. 12, 1960	7.23	Feb. 27, 1959	7.58	Jan. 22, 1974	11.00
Jan. 8, 1961	7.70	Mar. 9, 1959	7.50	Jan. 27, 1975	7.14
Jan. 30, 1962	7.79	Apr. 17, 1959	6.08	Jan. 22, 1976	8.06
Dec. 28, 1962	7.28	Jan. 12, 1960	7.08	June 25, 1976	8.43
Dec. 16, 1963	10.10	Jan. 8, 1961	7.80	Mar. 5, 1977	7.30
Dec. 8, 1964	15.53	Jan. 30, 1962	7.78	Well JL-49-04-410	
Jan. 14, 1966	14.36	Dec. 28, 1962	7.59	Owner: City of El Paso	
Dec. 14, 1966	10.64	Dec. 6, 1963	8.88	Mar. 8, 1961	12.23
Dec. 29, 1967	9.63	Feb. 8, 1964	15.86	Jan. 22, 1974	9.54
Jan. 21, 1969	10.12	Jan. 14, 1966	14.62	Jan. 27, 1975	7.00
June 16, 1969	10.29	Dec. 14, 1966	11.11	Jan. 22, 1976	9.38
Jan. 22, 1970	9.86	Dec. 29, 1967	13.80	Mar. 5, 1977	10.35
June 23, 1970	61.04	Jan. 29, 1969	10.26	Well JL-49-04-411	
Jan. 25, 1971	10.15	June 19, 1969	11.43	Owner: City of El Paso	
June 21, 1971	62.33	Jan. 22, 1970	10.46	Dec. 6, 1955	14.40
Jan. 1972	14.37	June 23, 1970	16.16	Jan. 13, 1956	10.71
Jan. 1973	16.25	Jan. 25, 1971	9.94	Apr. 26, 1956	10.86
Jan. 22, 1974	10.45	June 21, 1971	65.94	Jan. 11, 1957	22.77
Jan. 27, 1975	8.19	Jan. 1972	14.75		

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-411—Continued		Well JL-49-04-412—Continued		Well JL-49-04-413—Continued	
Oct. 8, 1957	17.08	May 5, 1952	3.76	Dec. 29, 1967	13.55
Oct. 9, 1958	6.60	May 22, 1952	3.32	Jan. 21, 1969	10.62
Oct. 16, 1958	6.38	May 29, 1952	3.35	June 19, 1969	11.40
Oct. 23, 1958	6.18	June 2, 1952	3.67	Jan. 21, 1970	10.07
Oct. 31, 1958	6.00	June 6, 1952	3.60	June 23, 1970	56.97
Nov. 18, 1958	6.27	June 13, 1952	3.14	Jan. 20, 1971	9.80
Jan. 14, 1959	6.33	June 16, 1952	2.73	June 21, 1971	56.55
Feb. 19, 1959	6.48	June 30, 1952	2.73	Jan. 1972	15.30
Feb. 27, 1959	6.54	July 8, 1952	2.85	Jan. 1973	15.94
Mar. 9, 1959	6.54	July 9, 1952	3.95	Jan. 21, 1974	9.91
Apr. 17, 1959	5.70	July 10, 1952	3.92	Jan. 27, 1975	8.28
May 21, 1959	55.03	Feb. 16, 1953	4.15	Jan. 22, 1976	8.84
Jan. 12, 1960	6.60	Nov. 10, 1954	5.30	June 25, 1976	10.86
Jan. 8, 1961	7.35	Jan. 20, 1955	4.77	Mar. 5, 1977	9.41
Jan. 30, 1962	7.38	June 3, 1955	8.86		
Dec. 28, 1962	7.34	Jan. 13, 1956	11.04	Well JL-49-04-413	
Dec. 16, 1963	8.53	Jan. 25, 1957	22.26	Owner: City of El Paso	
Dec. 8, 1964	15.40	Oct. 8, 1957	13.40	Apr. 25, 1952	2.85
Jan. 14, 1966	13.33	Oct. 9, 1958	9.28	May 5, 1952	2.38
Dec. 13, 1966	10.30	Oct. 16, 1958	8.89	May 22, 1952	2.37
Dec. 29, 1967	15.52	Oct. 23, 1958	9.26	May 29, 1952	2.11
Jan. 21, 1969	11.07	Oct. 30, 1958	9.27	June 2, 1952	2.26
June 19, 1969	13.39	Nov. 18, 1958	9.80	June 6, 1952	2.14
Jan. 22, 1970	10.05	Jan. 14, 1959	10.04	June 9, 1952	2.17
June 23, 1970	55.69	Feb. 19, 1959	10.12	June 13, 1952	2.26
Jan. 25, 1971	9.94	Feb. 27, 1959	10.20	June 13, 1952	2.13
June 21, 1971	56.61	Mar. 9, 1959	9.38	June 26, 1952	2.03
Jan. 1972	16.25	Apr. 17, 1959	8.88	June 30, 1952	1.77
Jan. 1973	18.08	May 21, 1959	58.23	July 8, 1952	1.66
Jan. 22, 1974	10.52	Jan. 12, 1960	10.08	July 9, 1952	2.49
Jan. 27, 1975	6.88	Jan. 8, 1961	10.40	July 10, 1952	2.53
Jan. 22, 1976	8.56	Jan. 30, 1962	10.67	July 11, 1952	2.76
June 25, 1976	12.01	Dec. 27, 1962	10.47	Feb. 16, 1953	2.73
		Dec. 16, 1963	10.81	Nov. 10, 1954	4.43
		Dec. 8, 1964	16.46	Jan. 20, 1955	3.74
		Nov. 14, 1966	10.55	June 3, 1955	6.97
		Dec. 14, 1966	7.91	Jan. 13, 1956	9.52
				Apr. 26, 1956	10.12
Well JL-49-04-412					
Owner: City of El Paso					
Apr. 18, 1952	3.51				
Apr. 25, 1952	3.68				

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-413—Continued		Well JL-49-04-414—Continued		Well JL-49-04-415—Continued	
Jan. 28, 1957	19.56	Jan. 8, 1961	5.85	Feb. 16, 1953	6.06
Sept. 17, 1957	14.26	Jan. 30, 1962	6.08	Nov. 10, 1954	6.32
Oct. 8, 1957	12.74	Dec. 28, 1962	5.76	June 3, 1955	8.60
Jan. 9, 1958	10.82	Dec. 16, 1963	6.84	Jan. 13, 1956	11.15
Jan. 14, 1959	6.13	Dec. 8, 1964	12.25	Jan. 25, 1957	22.85
Jan. 12, 1960	6.14	Jan. 14, 1966	9.64	Oct. 8, 1957	12.95
Jan. 8, 1961	6.80	Dec. 14, 1966	7.17	Jan. 9, 1958	12.36
Jan. 30, 1962	6.86	Dec. 29, 1967	10.95	Jan. 14, 1959	9.10
Dec. 28, 1962	6.49	Jan. 21, 1969	7.61	May 21, 1959	34.60
Dec. 16, 1963	7.10	Jan. 22, 1970	7.34	Jan. 15, 1960	9.17
Dec. 8, 1964	12.44	Jan. 25, 1971	7.19	Jan. 8, 1961	9.40
Jan. 14, 1966	10.89	Jan. 1972	10.16	Jan. 30, 1962	9.86
Dec. 14, 1966	8.63	Jan. 22, 1974	7.79	Dec. 27, 1962	9.67
Dec. 29, 1967	9.70	Jan. 27, 1975	5.83	Dec. 16, 1963	10.12
Jan. 21, 1969	7.49	Jan. 22, 1976	6.56	Dec. 8, 1964	15.37
June 19, 1969	74.05	June 25, 1976	8.28	Jan. 14, 1966	12.92
Jan. 22, 1970	7.34	Mar. 4, 1977	6.67	Dec. 14, 1966	11.50
June 23, 1970	72.33			Dec. 29, 1967	12.55
Jan. 25, 1971	6.69	Well JL-49-04-415		Jan. 21, 1969	8.86
June 21, 1971	69.77	Owner: City of El Paso		June 19, 1969	14.76
Jan. 1972	10.02	Jan. 10, 1952	5.80	Jan. 21, 1970	8.50
Jan. 1973	17.18	Feb. 28, 1952	5.81	June 23, 1970	32.79
Jan. 22, 1974	6.83	Apr. 18, 1952	4.99	Jan. 25, 1971	6.69
Jan. 27, 1975	5.13	Apr. 25, 1952	5.15	June 21, 1971	32.18
Jan. 22, 1976	5.91	May 5, 1952	5.30	Jan. 1972	10.98
June 25, 1976	7.62	May 22, 1952	4.88	Jan. 1973	15.13
Mar. 4, 1977	6.70	May 29, 1952	4.89	Jan. 21, 1974	8.28
		June 2, 1952	5.20	Jan. 27, 1975	6.66
		June 6, 1952	5.21	Jan. 22, 1976	7.53
		June 9, 1952	5.39	June 25, 1976	4.81
		June 13, 1952	5.16	Mar. 4, 1977	7.38
		June 16, 1952	4.66		
		June 26, 1952	4.42	Well JL-49-04-416	
		June 30, 1952	4.31	Owner: City of El Paso	
		July 8, 1952	4.70	Sept. 12, 1957	19.31
		July 9, 1952	78.10	Oct. 23, 1957	17.93
		July 10, 1952	78.30	Nov. 26, 1957	16.95
Well JL-49-04-414					
Owner: City of El Paso					
Jan. 13, 1956	8.43				
Jan. 27, 1957	21.95				
Oct. 8, 1957	11.77				
Jan. 9, 1958	10.20				
Jan. 14, 1959	5.59				
May 21, 1959	24.00				
Jan. 12, 1960	5.63				

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-416—Continued		Well JL-49-04-416—Continued		Well JL-49-04-416—Continued	
Dec. 16, 1957	17.28	Jan. 20, 1961	28.95	Jan. 16, 1964	32.18
Feb. 20, 1958	12.00	Feb. 20, 1961	34.73	Feb. 23, 1964	40.99
Mar. 20, 1958	20.30	Mar. 20, 1961	29.23	Mar. 20, 1964	32.24
Apr. 20, 1958	23.27	Apr. 20, 1961	21.60	May 20, 1964	42.61
May 20, 1958	25.73	May 20, 1961	37.46	June 20, 1964	43.75
June 20, 1958	25.86	June 20, 1961	25.60	July 20, 1964	44.77
July 20, 1958	28.16	July 1, 1961	26.35	Aug. 20, 1964	40.44
Aug. 20, 1958	30.21	Aug. 23, 1961	30.26	Sept. 20, 1964	41.22
Sept. 20, 1958	16.84	Sept. 20, 1961	12.00	Oct. 20, 1964	37.45
Oct. 20, 1958	12.91	Oct. 20, 1961	30.78	Nov. 20, 1964	33.60
Nov. 18, 1958	23.35	Nov. 20, 1961	32.51	Dec. 20, 1964	30.29
Dec. 23, 1958	26.04	Dec. 20, 1961	32.22	Jan. 20, 1965	32.16
Jan. 20, 1959	25.65	Jan. 20, 1962	36.93	Feb. 20, 1965	35.98
Feb. 20, 1959	27.34	Feb. 20, 1962	38.97	Mar. 20, 1965	38.10
Mar. 20, 1959	25.78	Mar. 20, 1962	39.24	Apr. 20, 1965	26.93
Apr. 20, 1959	24.19	Apr. 20, 1962	17.59	May 20, 1965	44.35
May 20, 1959	27.69	May 20, 1962	14.99	June 20, 1965	28.27
June 20, 1959	29.85	June 20, 1962	21.59	July 19, 1965	26.95
July 20, 1959	31.14	July 20, 1962	17.22	Aug. 20, 1965	23.51
Aug. 20, 1959	23.58	Aug. 20, 1962	19.77	Sept. 20, 1965	28.80
Sept. 20, 1959	9.26	Sept. 20, 1962	15.70	Oct. 20, 1965	38.43
Oct. 20, 1959	26.30	Oct. 20, 1962	36.38	Nov. 20, 1965	48.10
Nov. 20, 1959	30.13	Nov. 20, 1962	34.77	Dec. 11, 1965	47.33
Dec. 20, 1959	27.00	Dec. 20, 1962	35.20	Jan. 20, 1966	43.42
Jan. 20, 1960	28.03	Jan. 20, 1963	18.97	Feb. 22, 1966	44.46
Feb. 20, 1960	31.91	Feb. 20, 1963	40.10	Mar. 12, 1966	47.93
Mar. 20, 1960	31.77	Mar. 20, 1963	38.16	Apr. 22, 1966	21.97
Apr. 20, 1960	30.40	Apr. 25, 1963	20.74	May 27, 1966	24.25
May 20, 1960	23.12	May 20, 1963	18.87	June 20, 1966	33.15
June 20, 1960	29.20	June 20, 1963	22.57	July 20, 1966	33.25
July 20, 1960	25.80	July 14, 1963	31.22	Aug. 19, 1966	32.16
Aug. 20, 1960	23.46	Aug. 22, 1963	18.11	Sept. 20, 1966	18.08
Sept. 20, 1960	25.11	Sept. 20, 1963	30.40	Oct. 29, 1966	34.87
Oct. 20, 1960	30.52	Oct. 20, 1963	34.25	Nov. 20, 1966	40.82
Nov. 20, 1960	32.73	Nov. 20, 1963	37.25	Dec. 20, 1966	40.57
Dec. 20, 1960	30.69	Dec. 20, 1963	29.62	Jan. 20, 1967	42.56

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-416—Continued		Well JL-49-04-416—Continued		Well JL-49-04-416—Continued	
Feb. 20, 1967	45.25	Feb. 25, 1970	25.61	May 20, 1973	26.33
Mar. 20, 1967	31.88	Mar. 20, 1970	22.63	June 20, 1973	35.11
Apr. 20, 1967	24.15	Apr. 14, 1970	25.00	July 20, 1973	27.34
May 16, 1967	21.03	May 20, 1970	30.24	Aug. 20, 1973	31.68
June 20, 1967	21.65	June 20, 1970	34.38	Sept. 20, 1973	35.02
July 20, 1967	32.92	July 20, 1970	35.13	Oct. 20, 1973	34.06
Aug. 5, 1967	25.61	Aug. 20, 1970	30.03	Nov. 20, 1973	36.66
Sept. 27, 1967	23.73	Sept. 20, 1970	34.40	Dec. 21, 1973	30.24
Oct. 20, 1967	24.90	Oct. 19, 1970	31.53	Jan. 20, 1974	24.63
Nov. 30, 1967	29.17	Nov. 20, 1970	26.15	Feb. 24, 1974	31.33
Dec. 20, 1967	35.27	Dec. 20, 1970	30.55	Mar. 20, 1974	34.28
Jan. 20, 1968	33.60	Jan. 20, 1971	34.82	Apr. 20, 1974	36.65
Feb. 20, 1968	34.42	Feb. 20, 1971	40.58	May 20, 1974	39.17
Mar. 20, 1968	37.18	Mar. 20, 1971	44.72	June 20, 1974	40.72
Apr. 20, 1968	39.88	Apr. 20, 1971	39.55	July 20, 1974	33.66
May 21, 1968	33.93	May 20, 1971	34.10	Aug. 23, 1974	30.92
June 29, 1968	28.90	June 20, 1971	36.19	Sept. 16, 1974	24.47
July 24, 1968	30.47	July 18, 1971	39.95	Oct. 20, 1974	27.80
Aug. 20, 1968	18.05	Aug. 20, 1971	40.90	Nov. 19, 1974	24.77
Sept. 20, 1968	17.80	Nov. 20, 1971	28.11	Dec. 20, 1974	20.91
Oct. 20, 1968	19.73	Dec. 20, 1971	22.25	Jan. 20, 1975	19.83
Nov. 20, 1968	18.43	Jan. 20, 1972	22.80	Feb. 17, 1975	23.10
Dec. 20, 1968	25.89	Feb. 20, 1972	30.95	Mar. 20, 1975	28.55
Jan. 20, 1969	26.17	Mar. 20, 1972	35.00	Apr. 20, 1975	31.60
Feb. 20, 1969	27.42	Apr. 20, 1972	38.11	May 19, 1975	32.20
Mar. 20, 1969	23.92	May 20, 1972	36.03	June 18, 1975	39.42
Apr. 20, 1969	17.05	June 20, 1972	33.69	July 20, 1975	37.76
May 20, 1969	16.00	Aug. 20, 1972	30.16	Aug. 20, 1975	38.57
June 20, 1969	21.65	Sept. 27, 1972	29.21	Sept. 20, 1975	27.35
July 20, 1969	25.00	Oct. 20, 1972	26.57	Oct. 20, 1975	36.95
Aug. 20, 1969	24.87	Nov. 20, 1972	27.05	Nov. 20, 1975	33.00
Sept. 20, 1969	18.22	Dec. 20, 1972	27.60	Dec. 20, 1975	30.46
Oct. 20, 1969	23.70	Jan. 20, 1973	27.72	Jan. 20, 1976	31.42
Nov. 22, 1969	23.57	Feb. 20, 1973	25.40	Feb. 20, 1976	28.10
Dec. 20, 1969	24.49	Mar. 20, 1973	32.93	Mar. 20, 1976	39.09
Jan. 20, 1970	24.22	Apr. 20, 1973	29.22	Apr. 20, 1976	34.12

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-416—Continued		Well JL-49-04-417—Continued		Well JL-49-04-417—Continued	
May 20, 1976	37.82	Dec. 19, 1955	12.97	Mar. 20, 1959	7.49
June 24, 1976	41.89	Jan. 23, 1956	11.23	Apr. 20, 1959	6.90
July 22, 1976	35.12	Feb. 26, 1956	10.45	May 20, 1959	14.58
Aug. 16, 1976	38.83	Mar. 20, 1956	12.24	June 20, 1959	15.90
Sept. 17, 1976	29.06	Apr. 20, 1956	11.97	July 20, 1959	16.48
Oct. 21, 1976	32.73	May 20, 1956	13.78	Aug. 20, 1959	8.63
Nov. 21, 1976	34.05	June 20, 1956	16.84	Sept. 20, 1959	8.00
Dec. 21, 1976	33.15	July 20, 1956	17.92	Oct. 20, 1959	7.71
Jan. 19, 1977	32.45	Aug. 20, 1956	18.16	Nov. 20, 1959	8.08
Feb. 17, 1977	34.60	Sept. 20, 1956	17.62	Dec. 20, 1959	7.90
Mar. 5, 1977	36.84	Oct. 10, 1956	19.62	Jan. 20, 1960	7.98
Apr. 20, 1977	41.08	Feb. 20, 1957	18.23	Feb. 20, 1960	8.28
May 24, 1977	43.62	Mar. 20, 1957	22.92	Mar. 20, 1960	8.02
June 21, 1977	42.13	Apr. 20, 1957	21.53	Apr. 20, 1960	7.66
July 22, 1977	35.26	May 20, 1957	22.31	May 20, 1960	13.67
Well JL-49-04-417		June 20, 1957	23.09	June 20, 1960	15.66
Owner: U.S. Geological Survey		July 20, 1957	22.30	July 20, 1960	16.38
May 29, 1954	9.87	Aug. 20, 1957	15.36	Aug. 20, 1960	10.66
June 20, 1954	9.87	Sept. 20, 1957	19.88	Sept. 20, 1960	11.98
July 20, 1954	9.78	Oct. 20, 1957	13.20	Oct. 20, 1960	8.83
Aug. 20, 1954	9.68	Nov. 20, 1957	11.38	Nov. 20, 1960	8.79
Sept. 20, 1954	9.44	Dec. 20, 1957	11.33	Dec. 20, 1960	8.55
Oct. 20, 1954	9.11	Jan. 20, 1958	10.96	Jan. 20, 1961	8.63
Nov. 20, 1954	8.19	Feb. 20, 1958	10.25	Feb. 20, 1961	8.86
Dec. 20, 1954	7.17	Mar. 20, 1958	10.16	Mar. 20, 1961	8.77
Jan. 20, 1955	6.89	Apr. 20, 1958	9.80	Apr. 20, 1961	10.87
Feb. 20, 1955	6.84	May 20, 1958	9.53	May 20, 1961	11.93
Mar. 20, 1955	6.97	June 20, 1958	15.04	June 20, 1961	16.71
Apr. 26, 1955	6.62	July 20, 1958	16.69	July 20, 1961	12.86
May 20, 1955	7.06	Aug. 20, 1958	10.15	Aug. 20, 1961	12.20
June 20, 1955	7.56	Sept. 20, 1958	7.24	Sept. 20, 1961	7.72
July 20, 1955	10.53	Oct. 20, 1958	6.17	Oct. 20, 1961	8.60
Aug. 20, 1955	12.93	Nov. 20, 1958	7.20	Nov. 20, 1961	8.63
Sept. 20, 1955	11.91	Dec. 20, 1958	7.53	Dec. 20, 1961	8.58
Oct. 20, 1955	14.40	Jan. 20, 1959	7.56	Jan. 20, 1962	8.88
Nov. 23, 1955	13.96	Feb. 20, 1959	7.86	Feb. 20, 1962	9.39

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-417—Continued		Well JL-49-04-417—Continued		Well JL-49-04-417—Continued	
Mar. 20, 1962	8.98	June 20, 1965	23.97	July 20, 1968	14.51
Apr. 20, 1962	7.34	July 20, 1965	29.00	Aug. 20, 1968	18.13
May 20, 1962	15.58	Aug. 20, 1965	19.74	Sept. 20, 1968	14.95
June 20, 1962	15.00	Sept. 23, 1965	15.23	Oct. 20, 1968	11.82
July 20, 1962	17.14	Oct. 20, 1965	15.25	Nov. 20, 1968	10.09
Aug. 20, 1962	17.44	Nov. 20, 1965	21.00	Dec. 20, 1968	9.58
Sept. 20, 1962	7.90	Jan. 16, 1966	14.97	Jan. 20, 1969	16.24
Oct. 20, 1962	8.91	Feb. 25, 1966	15.88	Feb. 20, 1969	9.97
Jan. 30, 1963	8.72	Mar. 20, 1966	24.50	Mar. 20, 1969	18.84
Feb. 20, 1963	9.43	Apr. 20, 1966	10.96	Apr. 20, 1969	19.33
Mar. 20, 1963	11.77	May 20, 1966	17.63	May 20, 1969	19.49
Apr. 25, 1963	18.58	June 20, 1966	20.17	June 20, 1969	19.86
May 20, 1963	18.81	July 21, 1966	17.48	July 20, 1969	16.15
June 20, 1963	20.38	Aug. 12, 1966	19.08	Aug. 20, 1969	11.20
July 20, 1963	21.13	Sept. 20, 1966	19.00	Sept. 20, 1969	8.20
Aug. 20, 1963	20.87	Oct. 20, 1966	12.63	Oct. 20, 1969	13.97
Sept. 20, 1963	11.68	Nov. 20, 1966	12.86	Nov. 20, 1969	15.90
Oct. 20, 1963	10.85	Dec. 20, 1966	12.42	Dec. 20, 1969	15.57
Nov. 20, 1963	10.30	Jan. 20, 1967	13.39	Jan. 20, 1970	13.78
Jan. 20, 1964	9.35	Feb. 20, 1967	18.06	Feb. 20, 1970	9.36
Feb. 27, 1964	11.57	Mar. 20, 1967	15.45	Mar. 20, 1970	8.22
Mar. 20, 1964	16.81	Apr. 20, 1967	20.72	Apr. 20, 1970	11.05
Apr. 17, 1964	19.66	May 20, 1967	24.16	May 20, 1970	16.91
May 20, 1964	28.05	June 20, 1967	19.57	June 18, 1970	22.27
June 20, 1964	30.00	July 23, 1967	25.04	July 20, 1970	16.67
July 22, 1964	29.52	Aug. 8, 1967	29.86	Aug. 20, 1970	26.06
Aug. 28, 1964	25.54	Sept. 27, 1967	22.77	Sept. 20, 1970	14.37
Sept. 20, 1964	19.52	Oct. 24, 1967	24.46	Oct. 20, 1970	18.30
Oct. 20, 1964	21.57	Nov. 30, 1967	21.31	Nov. 20, 1970	11.49
Nov. 20, 1964	15.52	Dec. 19, 1967	15.03	Dec. 5, 1970	10.78
Dec. 20, 1964	16.20	Jan. 20, 1968	16.24	Feb. 9, 1971	10.64
Jan. 20, 1965	14.43	Feb. 20, 1968	13.12	Mar. 20, 1971	13.90
Feb. 20, 1965	14.69	Mar. 20, 1968	12.52	Apr. 20, 1971	20.97
Mar. 20, 1965	16.32	Apr. 20, 1968	21.90	May 20, 1971	24.41
Apr. 20, 1965	23.82	May 20, 1968	24.23	June 20, 1971	26.21
May 20, 1965	20.21	June 20, 1968	22.58	July 20, 1971	34.51

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-418—Continued		Well JL-49-04-418—Continued		Well JL-49-04-418—Continued	
Apr. 20, 1966	12.56	Apr. 20, 1969	23.87	Oct. 20, 1972	22.08
May 20, 1966	22.59	May 20, 1969	23.64	Nov. 20, 1972	18.37
June 20, 1966	34.10	June 20, 1969	25.17	Dec. 19, 1972	18.05
July 20, 1966	25.09	Aug. 12, 1969	22.03	Jan. 3, 1973	21.99
Aug. 19, 1966	25.32	Sept. 20, 1969	10.20	Feb. 18, 1973	20.22
Sept. 20, 1966	25.75	Oct. 20, 1969	21.73	Mar. 25, 1973	18.25
Oct. 20, 1966	21.08	Nov. 20, 1969	21.30	Apr. 4, 1973	17.02
Nov. 20, 1966	21.35	Dec. 20, 1969	20.73	May 22, 1973	43.88
Dec. 20, 1966	21.15	Jan. 20, 1970	18.02	July 22, 1973	21.59
Jan. 20, 1967	23.16	Mar. 17, 1970	10.82	Oct. 4, 1973	25.34
Feb. 20, 1967	29.88	Apr. 17, 1970	12.81	June 24, 1974	30.55
Mar. 20, 1967	20.02	May 9, 1970	15.68	July 25, 1974	17.35
Apr. 20, 1967	23.80	June 20, 1970	28.41	Aug. 25, 1974	13.46
May 20, 1967	31.05	Aug. 20, 1970	33.98	Oct. 25, 1974	11.94
June 20, 1967	23.63	Sept. 20, 1970	16.18	Dec. 25, 1974	10.43
July 20, 1967	35.03	Oct. 20, 1970	22.73	Jan. 25, 1975	10.18
Aug. 20, 1967	29.55	Nov. 20, 1970	20.32	June 25, 1975	26.64
Sept. 20, 1967	34.99	Dec. 20, 1970	21.10	Sept. 25, 1975	12.32
Oct. 24, 1967	30.20	Jan. 20, 1971	21.19	Oct. 25, 1975	12.75
Nov. 20, 1967	25.56	Feb. 5, 1971	12.03	Nov. 25, 1975	12.85
Dec. 20, 1967	17.07	Mar. 18, 1971	22.09	Dec. 25, 1975	11.67
Jan. 20, 1968	16.43	Apr. 28, 1971	27.98	Jan. 25, 1976	11.80
Feb. 20, 1968	15.85	May 20, 1971	30.97	Feb. 25, 1976	11.61
Mar. 20, 1968	15.08	June 20, 1971	32.42	Mar. 25, 1976	22.74
Apr. 20, 1968	26.88	July 20, 1971	43.82	Apr. 25, 1976	22.55
May 20, 1968	31.33	Aug. 18, 1971	34.48	May 20, 1976	16.13
June 20, 1968	31.52	Sept. 10, 1971	52.31	June 24, 1976	28.00
July 20, 1968	15.95	Nov. 11, 1971	25.73	July 22, 1976	13.26
Aug. 20, 1968	22.30	Dec. 20, 1971	20.84	Aug. 16, 1976	17.49
Sept. 20, 1968	25.00	Jan. 20, 1972	23.68	Sept. 17, 1976	11.32
Oct. 20, 1968	14.82	Feb. 20, 1972	24.43	Oct. 21, 1976	12.15
Nov. 20, 1968	12.02	Mar. 20, 1972	32.85	Nov. 21, 1976	11.95
Dec. 20, 1968	11.27	Apr. 20, 1972	19.10	Dec. 21, 1976	12.24
Jan. 20, 1969	21.42	May 20, 1972	36.83	Jan. 19, 1977	10.95
Feb. 17, 1969	12.90	June 20, 1972	45.39	Feb. 17, 1977	22.15
Mar. 27, 1969	25.21	Sept. 29, 1972	34.30	Mar. 5, 1977	13.67

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-418—Continued		Well JL-49-04-419—Continued		Well JL-49-04-419—Continued	
Mar. 21, 1977	23.07	June 25, 1959	52.77	July 25, 1962	31.86
Apr. 20, 1977	29.44	July 25, 1959	56.10	Aug. 25, 1962	33.23
May 24, 1977	38.88	Aug. 25, 1959	28.42	Sept. 25, 1962	59.79
June 21, 1977	43.04	Sept. 25, 1959	16.22	Oct. 24, 1962	70.00
July 22, 1977	46.93	Oct. 25, 1959	56.73	Nov. 25, 1962	62.71
		Nov. 25, 1959	57.47	Dec. 25, 1962	71.78
		Dec. 25, 1959	47.05	Jan. 25, 1963	65.26
		Jan. 25, 1960	48.47	Feb. 25, 1963	76.44
		Feb. 25, 1960	60.67	Mar. 25, 1963	54.11
		Mar. 25, 1960	57.05	Apr. 25, 1963	35.88
		Apr. 25, 1960	56.40	May 12, 1963	36.35
		May 25, 1960	45.65	June 25, 1963	42.88
		June 25, 1960	45.65	July 25, 1963	57.31
		July 25, 1960	40.52	Aug. 25, 1963	42.55
		Aug. 25, 1960	43.07	Sept. 26, 1963	71.59
		Sept. 25, 1960	56.78	Oct. 25, 1963	64.80
		Oct. 25, 1960	58.80	Nov. 25, 1963	57.03
		Nov. 25, 1960	60.86	Dec. 25, 1963	55.00
		Dec. 25, 1960	58.93	Jan. 20, 1964	61.20
		Jan. 25, 1961	55.84	Feb. 27, 1964	79.22
		Feb. 25, 1961	67.82	Mar. 25, 1964	48.76
		Mar. 25, 1961	54.17	Apr. 25, 1964	44.17
		Apr. 25, 1961	43.94	May 25, 1964	77.68
		May 25, 1961	73.33	June 25, 1964	72.33
		June 25, 1961	52.87	July 25, 1964	82.90
		July 25, 1961	59.44	Aug. 25, 1964	73.23
		Aug. 25, 1961	55.28	Sept. 25, 1964	79.04
		Sept. 27, 1961	53.10	Oct. 25, 1964	58.00
		Oct. 25, 1961	57.32	Nov. 25, 1964	49.58
		Nov. 25, 1961	56.60	Dec. 20, 1964	46.48
		Dec. 25, 1961	60.75	Jan. 25, 1965	47.43
		Jan. 25, 1962	73.50	Feb. 25, 1965	52.58
		Feb. 25, 1962	72.56	Mar. 25, 1965	69.34
		Mar. 23, 1962	58.51	Apr. 25, 1965	49.04
		May 25, 1962	23.65	May 21, 1965	82.50
		June 25, 1962	52.12	June 25, 1965	28.70
Well JL-49-04-419					
Owner: City of El Paso					
Jan. 25, 1957	16.88				
Feb. 25, 1957	0.57				
Mar. 25, 1957	1.80				
Apr. 25, 1957	2.03				
May 25, 1957	1.31				
June 25, 1957	31.45				
July 25, 1957	35.92				
Aug. 25, 1957	36.16				
Sept. 25, 1957	35.99				
Oct. 25, 1957	34.02				
Nov. 25, 1957	30.02				
Dec. 25, 1957	30.63				
Jan. 25, 1958	30.81				
Feb. 25, 1958	4.19				
Mar. 24, 1958	47.17				
Apr. 25, 1958	48.91				
May 25, 1958	53.04				
June 25, 1958	50.99				
July 25, 1958	52.00				
Aug. 25, 1958	34.55				
Sept. 25, 1958	24.25				
Oct. 25, 1958	20.99				
Nov. 25, 1958	49.50				
Dec. 25, 1958	50.70				
Jan. 25, 1959	51.11				
Feb. 25, 1959	51.65				
Mar. 25, 1959	45.55				
Apr. 25, 1959	44.51				
May 25, 1959	52.40				

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-419—Continued		Well JL-49-04-419—Continued		Well JL-49-04-419—Continued	
July 25, 1965	31.00	July 29, 1968	52.40	Nov. 25, 1971	57.18
Aug. 25, 1965	28.02	Aug. 23, 1968	25.05	Dec. 25, 1971	32.67
Sept. 25, 1965	58.62	Sept. 5, 1968	22.63	Jan. 25, 1972	63.85
Oct. 3, 1965	80.25	Oct. 25, 1968	33.93	Feb. 25, 1972	60.85
Nov. 21, 1965	86.01	Nov. 4, 1968	35.23	Mar. 25, 1972	63.92
Dec. 2, 1965	85.51	Dec. 20, 1968	59.48	Apr. 25, 1972	70.67
Jan. 28, 1966	72.46	Feb. 7, 1969	61.20	May 25, 1972	71.57
Feb. 25, 1966	75.75	Mar. 25, 1969	25.98	June 25, 1972	58.48
Mar. 25, 1966	37.98	Apr. 25, 1969	23.24	July 25, 1972	69.39
Apr. 19, 1966	29.33	May 25, 1969	35.25	Aug. 25, 1972	66.75
May 29, 1966	49.30	June 25, 1969	44.34	Sept. 27, 1972	35.21
June 4, 1966	55.37	July 25, 1969	51.20	Oct. 25, 1972	54.69
July 23, 1966	72.22	Aug. 25, 1969	55.74	Nov. 25, 1972	50.90
Aug. 19, 1966	60.88	Sept. 25, 1969	36.50	Dec. 25, 1972	42.10
Sept. 23, 1966	34.80	Oct. 25, 1969	35.00	Jan. 5, 1973	50.82
Oct. 25, 1966	52.37	Nov. 25, 1969	42.88	Feb. 25, 1973	52.74
Nov. 25, 1966	72.57	Dec. 25, 1969	49.73	Mar. 25, 1973	55.18
Dec. 25, 1966	82.08	Jan. 25, 1970	52.57	Apr. 25, 1973	48.51
Jan. 25, 1967	72.70	Feb. 25, 1970	45.81	May 25, 1973	54.70
Feb. 25, 1967	80.80	Mar. 25, 1970	42.62	June 25, 1973	62.18
Mar. 23, 1967	47.00	Apr. 25, 1970	59.21	July 25, 1973	67.36
Apr. 25, 1967	28.76	May 25, 1970	51.40	Aug. 25, 1973	73.13
May 25, 1967	27.00	June 25, 1970	63.14	Sept. 22, 1973	56.50
June 25, 1967	39.60	July 25, 1970	55.58	Oct. 25, 1973	41.91
July 25, 1967	32.67	Aug. 19, 1970	33.03	Nov. 10, 1973	45.35
Aug. 25, 1967	43.75	Dec. 12, 1970	57.25	Dec. 25, 1973	65.70
Sept. 25, 1967	28.87	Jan. 25, 1971	61.16	Jan. 25, 1974	57.16
Oct. 25, 1967	43.07	Feb. 25, 1971	75.04	Mar. 25, 1974	68.49
Nov. 30, 1967	52.77	Mar. 25, 1971	83.66	Apr. 25, 1974	61.83
Dec. 25, 1967	71.01	Apr. 25, 1971	60.38	May 21, 1974	66.12
Jan. 25, 1968	65.79	May 25, 1971	53.49	June 25, 1974	75.54
Feb. 25, 1968	71.52	June 25, 1971	68.95	July 25, 1974	74.12
Mar. 25, 1968	60.83	July 25, 1971	51.25	Aug. 25, 1974	48.99
Apr. 25, 1968	85.80	Aug. 25, 1971	48.54	Sept. 25, 1974	38.33
May 9, 1968	79.70	Sept. 25, 1971	51.46	Oct. 25, 1974	59.80
June 29, 1968	52.40	Oct. 17, 1971	59.82	Nov. 17, 1974	62.75

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-419—Continued		Well JL-49-04-420—Continued		Well JL-49-04-420—Continued	
Dec. 25, 1974	48.61	May 5, 1952	8.26	Feb. 8, 1964	19.07
Jan. 25, 1975	48.12	May 22, 1952	8.82	Jan. 14, 1966	19.70
Feb. 25, 1975	54.85	May 29, 1952	8.01	Dec. 14, 1966	16.79
Mar. 25, 1975	64.55	June 2, 1952	8.19	Dec. 29, 1967	18.46
Apr. 12, 1975	62.35	June 6, 1952	8.04	Jan. 21, 1969	15.56
May 25, 1975	49.25	June 9, 1952	8.06	June 19, 1969	20.24
June 16, 1975	74.23	June 13, 1952	6.94	Jan. 22, 1970	15.53
July 25, 1975	64.05	June 16, 1952	6.87	June 23, 1970	74.99
Aug. 25, 1975	71.65	June 26, 1952	6.92	Jan. 25, 1971	12.50
Sept. 25, 1975	58.24	June 30, 1952	6.24	June 21, 1971	78.63
Oct. 25, 1975	62.40	July 8, 1952	6.21	Jan. 1972	20.82
Nov. 25, 1975	62.86	July 9, 1952	6.30	Jan. 1973	21.41
Dec. 25, 1975	59.95	July 10, 1952	6.33	Jan. 22, 1974	12.77
Jan. 25, 1976	65.11	July 11, 1952	6.43	Jan. 27, 1975	9.95
Feb. 20, 1976	67.86	Feb. 16, 1953	6.60	Jan. 22, 1976	11.25
Mar. 22, 1976	74.35	Nov. 10, 1954	8.01	June 25, 1976	19.78
Apr. 25, 1976	66.18	Jan. 20, 1955	8.14	Mar. 5, 1977	12.26
May 20, 1976	73.20	June 3, 1955	15.69		
June 24, 1976	77.58	Jan. 13, 1956	13.33	Well JL-49-04-421	
July 22, 1976	59.10	Jan. 10, 1957	24.10	Owner: City of El Paso	
Aug. 16, 1976	73.30	Sept. 17, 1957	22.82	Sept. 26, 1961	7.64
Sept. 17, 1976	60.18	Oct. 8, 1957	20.23	Jan. 1972	20.18
Oct. 21, 1976	62.48	Oct. 9, 1958	10.16	Feb. 19, 1973	19.85
Nov. 21, 1976	67.94	Oct. 16, 1958	10.18	Jan. 22, 1974	11.26
Dec. 21, 1976	63.85	Oct. 23, 1958	10.08	Jan. 27, 1975	9.73
Jan. 19, 1977	66.17	Oct. 31, 1958	9.94		
Feb. 17, 1977	68.13	Nov. 18, 1958	10.18	Well JL-49-04-422	
Mar. 5, 1977	74.04	Jan. 14, 1959	9.70	Owner: City of El Paso	
Mar. 23, 1977	72.96	Feb. 19, 1959	10.85	Mar. 6, 1963	22.08
Apr. 20, 1977	75.72	Feb. 27, 1959	10.99	Jan. 1972	28.49
May 24, 1977	71.50	Mar. 9, 1959	10.68	Feb. 14, 1973	30.92
June 21, 1977	66.15	Apr. 17, 1959	9.91	Jan. 21, 1974	17.72
July 22, 1977	42.07	Jan. 12, 1960	10.90	Jan. 27, 1975	15.33
		Jan. 8, 1961	11.70	Jan. 22, 1976	22.65
		Jan. 30, 1962	12.06		
Well JL-49-04-420		Dec. 28, 1962	11.78	Well JL-49-04-423	
Owner: City of El Paso		Dec. 16, 1963	12.54	Owner: City of El Paso	
Apr. 18, 1952	6.50			Oct. 21, 1964	15.07
Apr. 25, 1952	8.15			Dec. 8, 1964	15.20

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-423—Continued		Well JL-49-04-425—Continued		Well JL-49-04-428—Continued	
Jan. 14, 1966	15.70	Feb. 14, 1973	35.35	Jan. 14, 1966	7.77
Dec. 14, 1966	14.24	Jan. 21, 1974	28.86	Dec. 14, 1966	6.19
Dec. 29, 1967	15.04	Jan. 27, 1975	23.25	Dec. 29, 1967	6.82
Jan. 21, 1969	11.88	Jan. 22, 1976	30.93	Jan. 21, 1969	5.03
June 19, 1969	12.35			June 18, 1969	123.44
Jan. 21, 1970	12.18	Well JL-49-04-426		Jan. 21, 1970	4.77
June 23, 1970	50.84	Owner: City of El Paso		June 23, 1970	123.24
Jan. 26, 1971	12.73	Oct. 21, 1964	10.57	Jan. 26, 1971	4.90
Jan. 1972	12.60	Dec. 8, 1964	9.93	Apr. 6, 1971	121.85
Jan. 1973	15.69	Jan. 14, 1966	12.84	June 21, 1971	125.22
Jan. 21, 1974	12.47	Dec. 14, 1966	9.64	Jan. 1972	6.80
Jan. 27, 1975	11.31	Dec. 29, 1967	12.32	Jan. 1973	12.43
Jan. 22, 1976	12.26	Jan. 21, 1969	8.22	Jan. 21, 1974	4.70
June 25, 1976	13.80	June 19, 1969	9.80	Jan. 27, 1975	3.32
Mar. 4, 1977	13.38	Jan. 21, 1970	8.32	Jan. 22, 1976	4.00
Well JL-49-04-424		June 23, 1970	100.48	June 25, 1976	5.19
Owner: City of El Paso		Jan. 26, 1971	8.66	Mar. 4, 1977	4.52
Oct. 21, 1964	15.15	June 21, 1971	102.00		
Dec. 8, 1964	15.13	Jan. 1972	10.97	Well JL-49-04-429	
Jan. 14, 1966	15.86	Jan. 1973	12.20	Owner: City of El Paso	
Dec. 14, 1966	14.19	Jan. 22, 1974	8.73	May 16, 1958	7.79
Dec. 29, 1967	15.13	Jan. 27, 1975	6.61	Jan. 21, 1970	7.00
Jan. 21, 1969	12.42	Jan. 22, 1976	8.12	Jan. 1971	7.81
June 19, 1969	13.20	June 25, 1976	11.66	Jan. 1972	9.21
Jan. 21, 1970	12.58	Mar. 4, 1977	8.54	Mar. 22, 1973	11.20
Jan. 26, 1971	13.24	Well JL-49-04-427		Sept. 12, 1973	8.38
Jan. 1972	14.14	Owner: City of El Paso		Jan. 22, 1974	8.50
Jan. 1973	16.62	June 17, 1964	39.25	Apr. 11, 1974	7.84
Jan. 21, 1974	12.93	Jan. 1972	29.71	June 5, 1974	7.46
Jan. 27, 1975	11.52	Feb. 16, 1973	31.38	Well JL-49-04-430	
Jan. 22, 1976	12.80	Jan. 22, 1974	17.52	Owner: City of El Paso	
June 25, 1976	15.38	Jan. 27, 1975	14.36	May 16, 1968	7.25
Mar. 4, 1977	13.89	Jan. 22, 1976	21.37	July 18, 1968	5.77
Well JL-49-04-425		Well JL-49-04-428		Oct. 28, 1968	5.74
Owner: City of El Paso		Owner: City of El Paso		Jan. 21, 1969	6.11
Oct. 6, 1964	40.20	Oct. 21, 1964	8.17	Mar. 20, 1969	5.70
Jan. 1972	32.78	Dec. 8, 1964	7.39	June 18, 1969	4.03
				Sept. 26, 1969	4.95

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-430—Continued		Well JL-49-04-431—Continued		Well JL-49-04-436—Continued	
Jan. 21, 1970	5.78	June 21, 1971	6.37	Dec. 14, 1966	72.47
Mar. 27, 1970	4.03	Oct. 28, 1971	7.37	Dec. 28, 1967	70.52
June 23, 1970	5.76	Jan. 1972	7.87	Jan. 28, 1969	67.64
Sept. 23, 1970	5.52	Mar. 24, 1972	6.21	Feb. 2, 1971	70.37
Jan. 23, 1971	6.07	June 30, 1972	7.01	Jan. 7, 1972	70.05
June 21, 1971	6.37	Sept. 26, 1972	10.81	Jan. 29, 1973	70.51
Oct. 28, 1971	6.17	Mar. 22, 1973	11.06	Jan. 1974	70.80
Jan. 1972	6.68	Jan. 22, 1974	7.42	Jan. 23, 1975	67.86
Mar. 24, 1972	6.08	Apr. 11, 1974	6.09	Jan. 10, 1976	69.55
June 29, 1972	7.60	June 5, 1974	6.37	Feb. 17, 1977	71.72
Sept. 26, 1972	11.35	Oct. 2, 1974	6.26		
Mar. 22, 1973	11.35	Jan. 27, 1975	6.94	Well JL-49-04-438	
Jan. 21, 1974	6.05	Sept. 29, 1975	6.45	Owner: E. & V. Holquin	
Apr. 11, 1974	5.82	Jan. 22, 1976	6.28	Apr. 28, 1951	61.4
June 5, 1974	6.27	Mar. 17, 1976	5.95	Jan. 10, 1952	57.7
Oct. 2, 1974	7.61	June 25, 1976	5.69	Feb. 12, 1953	58.1
Jan. 27, 1975	5.39	Mar. 5, 1977	7.55	Jan. 8, 1954	59.0
Sept. 29, 1975	5.60			Nov. 10, 1954	60.6
Jan. 22, 1976	4.66	Well JL-49-04-436		Jan. 20, 1955	60.1
Mar. 17, 1976	4.34	Owner: M. Hernandez, V. M. Gomez		Jan. 16, 1956	61.7
June 25, 1976	4.11	Jan. 10, 1952	54.13	Jan. 10, 1957	63.1
Mar. 5, 1977	5.87	Feb. 12, 1953	54.53	Jan. 10, 1958	65.4
		Jan. 8, 1954	55.94	Jan. 13, 1959	68.5
Well JL-49-04-431		Nov. 10, 1954	62.71	Mar. 17, 1975	76.1
Owner: City of El Paso		Jan. 20, 1955	62.03		
May 23, 1968	7.18	Jan. 16, 1956	63.00	Well JL-49-04-439	
July 18, 1968	7.02	Jan. 15, 1957	60.00	Owner: Donald Keily	
Oct. 28, 1968	7.20	Jan. 10, 1958	61.82	Feb. 12, 1953	76.99
Jan. 21, 1969	7.45	Jan. 13, 1959	63.55	Nov. 10, 1954	79.73
Mar. 20, 1969	5.96	Jan. 18, 1960	64.74	Jan. 20, 1955	79.08
June 18, 1969	5.54	Jan. 9, 1961	66.04	Apr. 25, 1955	80.00
Sept. 26, 1969	6.41	Jan. 30, 1962	68.14	June 6, 1955	79.97
Jan. 21, 1970	7.18	Dec. 28, 1962	68.04	Sept. 27, 1955	82.73
Mar. 27, 1970	5.56	Dec. 16, 1963	67.40	Jan. 16, 1956	80.11
June 23, 1970	5.74	Dec. 8, 1964	70.94	Apr. 26, 1956	81.23
Sept. 23, 1970	6.58	Jan. 14, 1966	72.57	June 19, 1956	83.53
Jan. 23, 1971	7.39			Jan. 10, 1957	81.65

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-439—Continued		Well JL-49-04-445—Continued		Well JL-49-04-446—Continued	
Jan. 10, 1958	85.21	June 30, 1952	3.0	Sept. 30, 1952	11.7
Jan. 13, 1959	88.07	July 8, 1952	3.2	Feb. 16, 1953	3.8
June 13, 1960	91.37	July 9, 1952	3.3	Feb. 28, 1958	3.6
Jan. 9, 1961	92.56	July 10, 1952	3.4		
Jan. 30, 1962	95.41	July 14, 1952	3.4	Well JL-49-04-447	
Dec. 28, 1962	95.95	July 15, 1952	6.4	Owner: City of El Paso	
Dec. 16, 1963	95.41	July 16, 1952	6.5	May 29, 1952	3.1
Dec. 8, 1964	98.08	July 18, 1952	6.7	June 2, 1952	3.2
Jan. 14, 1966	100.84	July 29, 1952	7.4	June 6, 1952	3.2
Dec. 14, 1966	101.52	July 30, 1952	7.3	June 9, 1952	3.3
Dec. 28, 1967	98.67	Sept. 30, 1952	8.6	June 13, 1952	3.3
Jan. 28, 1969	95.13	Feb. 16, 1953	3.7	June 16, 1952	3.2
Jan. 27, 1970	95.92	Apr. 21, 1953	3.8	June 26, 1952	2.8
Feb. 2, 1971	99.19	June 11, 1953	5.5	June 30, 1952	2.8
Jan. 7, 1972	97.92	June 30, 1953	6.5	July 8, 1952	3.1
Jan. 29, 1973	98.95	Jan. 8, 1954	10.7	July 9, 1952	3.1
Jan. 1974	100.20	Jan. 23, 1954	11.7	July 10, 1952	3.1
Jan. 23, 1975	97.80	Nov. 10, 1954	6.1	July 11, 1952	3.1
Mar. 17, 1975	99.40	Jan. 20, 1955	5.6	July 14, 1952	3.1
Jan. 10, 1976	99.03	Apr. 25, 1955	6.8	July 15, 1952	3.0
Dec. 28, 1976	101.62	June 3, 1955	6.1	July 16, 1952	2.9
		Jan. 13, 1956	9.7	July 18, 1952	2.9
		Apr. 26, 1956	11.0	July 29, 1952	2.8
Well JL-49-04-445		Jan. 11, 1957	21.3	July 31, 1952	2.8
Owner: City of El Paso		Jan. 10, 1958	11.1	Feb. 16, 1953	2.7
Feb. 28, 1952	3.5	Apr. 21, 1958	9.2	Nov. 10, 1954	4.5
Mar. 12, 1952	4.1	Oct. 9, 1958	5.3	Jan. 20, 1955	3.8
Apr. 18, 1952	3.1	Oct. 16, 1958	5.1	June 3, 1955	2.6
Apr. 25, 1952	3.3	Oct. 23, 1958	4.9		
May 1, 1952	3.7	Oct. 31, 1958	4.7	Well JL-49-04-448	
May 5, 1952	3.5	Nov. 18, 1958	5.0	Owner: Sam B. Gillette, Jr.	
May 22, 1952	3.8			Jan. 10, 1952	7.8
May 29, 1952	3.3			Oct. 3, 1952	9.8
June 2, 1952	3.5	Well JL-49-04-446		Feb. 16, 1953	7.9
June 6, 1952	3.4	Owner: City of El Paso		Jan. 20, 1955	10.8
June 9, 1952	3.4	Feb. 28, 1952	3.2	Jan. 18, 1956	12.8
June 13, 1952	3.6	May 29, 1952	3.6	Jan. 15, 1957	21.6
June 26, 1952	3.5	July 31, 1952	10.4	Nov. 1, 1957	17.3

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-448—Continued		Well JL-49-04-704—Continued		Well JL-49-04-718	
Jan. 9, 1958	15.4	Mar. 27, 1970	3.48	Owner: Indar Singh	
Jan. 14, 1959	8.1	June 23, 1970	3.30	Mar. 26, 1952	7.48
Well JL-49-04-450		Sept. 23, 1970	4.11	Jan. 16, 1953	7.37
Owner: — Dunlap		Jan. 1971	5.11	Nov. 11, 1954	8.49
Jan. 18, 1956	11.1	June 21, 1971	3.75	Jan. 21, 1955	8.42
Jan. 15, 1957	19.6	Oct. 28, 1971	4.77	Jan. 18, 1956	9.86
Feb. 5, 1958	11.7	Jan. 1972	4.40	Jan. 11, 1957	10.68
Jan. 14, 1959	6.9	Mar. 22, 1973	3.75	Jan. 10, 1958	9.00
Well JL-49-04-452		Jan. 22, 1974	5.30	Oct. 23, 1958	5.97
Owner: McKee Construction Company		Apr. 11, 1974	3.34	Oct. 30, 1958	6.25
Jan. 10, 1958	112.6	June 5, 1974	3.50	Nov. 24, 1958	6.64
June 12, 1958	114.4	Oct. 2, 1974	4.28	Jan. 13, 1959	6.97
Jan. 15, 1959	112.0	Jan. 27, 1975	4.90	Feb. 19, 1959	7.14
Nov. 1959	112.6	Mar. 18, 1975	3.73	Jan. 15, 1960	6.99
Well JL-49-04-702		Sept. 29, 1975	3.95	Dec. 27, 1962	7.28
Owner: Barry Hagedon		Jan. 22, 1976	3.25	Dec. 28, 1967	7.74
Jan. 16, 1953	4.3	Mar. 17, 1976	3.62	Jan. 28, 1969	6.92
Nov. 11, 1954	5.2	June 25, 1976	3.14	Jan. 26, 1970	6.77
Jan. 21, 1955	5.2	Well JL-49-04-711		Feb. 2, 1971	6.57
Jan. 18, 1956	6.2	Owner: Steve Cone		Jan. 6, 1972	6.70
Jan. 11, 1957	7.0	Aug. 31, 1951	5.66	Jan. 26, 1973	6.83
Jan. 10, 1958	5.5	Oct. 22, 1974	6.11	Jan. 1974	7.50
Jan. 13, 1959	3.7	Mar. 18, 1975	7.06	Jan. 21, 1975	5.69
Mar. 18, 1975	3.3	Well JL-49-04-712		Mar. 18, 1975	5.50
Well JL-49-04-704		Owner: El Dorado Farm		Jan. 14, 1976	5.76
Owner: City of El Paso		June 11, 1952	8.7	Well JL-49-04-722	
May 16, 1968	4.48	Feb. 18, 1953	8.7	Owner: J. Brewington	
July 18, 1968	4.84	Nov. 11, 1954	9.2	Apr. 28, 1951	31.2
Oct. 28, 1968	5.47	Jan. 21, 1955	8.9	Mar. 12, 1953	30.6
Jan. 22, 1969	5.45	Jan. 18, 1956	9.8	Nov. 11, 1954	31.1
Mar. 20, 1969	3.88	Jan. 11, 1957	11.5	Jan. 21, 1955	31.1
June 18, 1969	3.77	Jan. 10, 1958	10.0	Apr. 25, 1955	31.4
Sept. 20, 1969	4.40	Jan. 13, 1959	6.8	June 6, 1955	31.7
Jan. 21, 1970	5.24	Mar. 18, 1975	5.9	Sept. 28, 1955	31.2
				Jan. 16, 1956	32.0
				Apr. 26, 1956	31.4

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-04-722—Continued		Well JL-49-05-204—Continued		Well JL-49-05-306	
June 19, 1956	32.1	Jan. 20, 1970	350.72	Owner: City of El Paso	
Jan. 11, 1957	32.8	Jan. 1971	351.43	Aug. 5, 1965	364.02
Jan. 26, 1957	32.6	Jan. 1972	353.18	Jan. 3, 1967	356.02
Jan. 10, 1958	32.7	Jan. 1973	354.62	Jan. 16, 1968	355.84
June 12, 1958	30.1	Jan. 16, 1974	356.81	Jan. 17, 1969	358.68
Well JL-49-04-724		Jan. 7, 1975	357.48	Jan. 20, 1970	359.72
Owner: Jose Roque		Jan. 21, 1976	358.58	Jan. 1971	360.13
Feb. 18, 1953	7.5	Feb. 2, 1977	357.20	Jan. 1972	361.98
Jan. 8, 1954	7.9	Well JL-49-05-205		Jan. 1973	365.88
Nov. 11, 1954	15.7	Owner: City of El Paso		Jan. 14, 1974	367.57
Jan. 21, 1955	10.7	May 27, 1940	317.17	Jan. 6, 1975	366.75
June 6, 1955	15.7	Jan. 1961	322.64	Jan. 19, 1976	364.90
Jan. 11, 1957	13.6	Jan. 1970	340.75	Feb. 8, 1977	364.97
Jan. 10, 1958	11.1	Jan. 6, 1975	340.50	Well JL-49-05-309	
Jan. 13, 1959	6.1	Jan. 15, 1976	346.37	Owner: City of El Paso	
Mar. 18, 1975	6.5	Well JL-49-05-301		Jan. 1960	348.03
Well JL-49-05-202		Owner: City of El Paso		Jan. 1961	348.27
Owner: City of El Paso		June 13, 1960	316.40	Jan. 1966	312.89
Jan. 19, 1958	333.98	Jan. 8, 1962	317.06	Feb. 1, 1973	350.45
Jan. 1970	358.0	Jan. 3, 1963	319.57	Jan. 1974	350.88
Jan. 1974	363.1	Jan. 3, 1964	323.42	Well JL-49-05-501	
Well JL-49-05-204		Jan. 4, 1965	325.84	Owner: City of El Paso	
Owner: City of El Paso		Dec. 29, 1965	331.52	Jan. 22, 1956	320.0
Jan. 5, 1960	331.58	Jan. 3, 1967	330.26	Jan. 1961	323.03
Jan. 26, 1962	333.70	Jan. 16, 1968	329.76	Jan. 1972	351.03
Nov. 1, 1962	336.80	Jan. 17, 1969	330.57	Feb. 1, 1973	349.74
Nov. 2, 1962	336.83	Jan. 20, 1970	332.36	Jan. 16, 1974	357.54
Nov. 7, 1962	336.96	Jan. 1971	332.93	Jan. 7, 1975	359.88
Jan. 3, 1963	336.08	Jan. 1972	334.65	Well JL-49-05-502	
Jan. 3, 1964	339.10	Jan. 1973	337.74	Owner: Price's Dairy	
Jan. 4, 1965	341.50	Jan. 14, 1974	339.97	Apr. 23, 1940	335.60
Dec. 29, 1965	343.84	Jan. 7, 1975	340.29	Jan. 26, 1955	340.73
Jan. 3, 1967	345.74	Jan. 21, 1976	340.22	June 15, 1955	341.35
Jan. 16, 1968	347.40	Feb. 2, 1977	341.21	Sept. 21, 1955	341.50
Jan. 21, 1969	348.88			Jan. 23, 1956	342.28

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-05-502—Continued		Well JL-49-05-503—Continued		Well JL-49-05-601—Continued	
Apr. 30, 1956	342.85	Dec. 29, 1965	356.05	Jan. 9, 1962	306.20
June 21, 1956	343.24	Jan. 3, 1967	356.44	Nov. 1, 1962	310.10
Sept. 20, 1956	343.87	Jan. 16, 1968	357.33	Nov. 2, 1962	310.10
Jan. 8, 1957	344.20	Jan. 20, 1970	359.65	Nov. 7, 1962	310.02
Jan. 24, 1958	346.50	Jan. 1971	360.05	Jan. 3, 1963	308.45
Jan. 6, 1959	347.75	Jan. 1972	363.56	Jan. 3, 1964	311.75
June 15, 1959	350.10	Jan. 1973	366.70	Jan. 4, 1965	315.13
Jan. 4, 1960	354.47	Jan. 16, 1974	370.64	Dec. 29, 1965	319.10
Feb. 2, 1960	351.34	Jan. 7, 1975	370.95	Jan. 3, 1967	318.77
July 21, 1960	354.03	Jan. 21, 1976	374.74	Jan. 16, 1968	318.85
Jan. 4, 1961	352.75	Feb. 2, 1977	374.13	Jan. 17, 1969	318.11
July 5, 1961	355.05			Jan. 19, 1970	320.37
Jan. 9, 1962	356.50	Well JL-49-05-504		Jan. 1971	320.74
July 3, 1962	357.88	Owner: City of El Paso		Jan. 1972	322.80
Jan. 3, 1963	357.05	Jan. 20, 1970	470.17	Jan. 14, 1974	328.88
July 1, 1963	361.13	Jan. 1971	474.60	Jan. 8, 1975	328.74
Jan. 3, 1964	362.13	Jan. 1972	477.96	Jan. 19, 1976	330.44
July 1, 1964	365.36	Jan. 1973	482.69		
Jan. 4, 1965	366.50	Jan. 16, 1974	484.48	Well JL-49-05-602	
July 5, 1965	368.04	Jan. 8, 1975	491.04	Owner: City of El Paso	
Dec. 29, 1965	370.30	Feb. 4, 1977	489.55	May 2, 1958	308.51
July 7, 1966	369.75			Jan. 6, 1959	309.03
Jan. 3, 1967	367.75	Well JL-49-05-507		Jan. 5, 1960	312.84
July 5, 1967	371.28	Owner: U.S. Geological Survey		Jan. 4, 1961	314.04
Jan. 2, 1968	367.92	Jan. 1954	423.08	Jan. 9, 1962	315.40
July 12, 1968	371.08	Jan. 1960	433.55	Jan. 3, 1963	317.18
Sept. 4, 1970	376.39	Jan. 1961	435.34	Jan. 3, 1964	320.34
Jan. 1971	370.08	Jan. 1963	439.40	Jan. 4, 1965	322.88
Jan. 20, 1972	372.65	Jan. 1964	441.46	Jan. 10, 1967	325.50
Jan. 1973	376.07	Jan. 1965	446.43	Jan. 16, 1968	325.07
Jan. 16, 1974	378.09	Jan. 1966	448.27	Dec. 29, 1968	327.08
Jan. 7, 1975	378.16			Jan. 17, 1969	325.27
Jan. 21, 1976	379.65	Well JL-49-05-601		Jan. 19, 1970	327.06
Feb. 2, 1977	381.17	Owner: City of El Paso		Jan. 1971	327.68
		July 7, 1958	298.96	Jan. 1972	329.15
		Jan. 6, 1959	299.43	Jan. 1973	332.71
		July 16, 1969	374.85	Jan. 14, 1974	335.16
		Feb. 2, 1960	302.85	Jan. 20, 1975	335.50
		Jan. 4, 1961	304.58		
Well JL-49-05-503					
Owner: City of El Paso					
Dec. 6, 1963	349.15				
Jan. 4, 1965	353.16				

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-05-602—Continued		Well JL-49-05-604—Continued		Well JL-49-05-606—Continued	
Jan. 1976	335.98	Jan. 16, 1968	295.60	Jan. 5, 1960	268.92
Feb. 8, 1977	338.30	Jan. 17, 1969	298.94	Jan. 4, 1961	271.22
Well JL-49-05-603		Jan. 19, 1970	300.27	Jan. 9, 1962	273.43
Owner: City of El Paso		Jan. 1971	300.69	Jan. 3, 1963	276.54
Nov. 15, 1957	289.73	Jan. 1972	303.18	Jan. 3, 1964	278.92
Jan. 6, 1959	291.49	Feb. 1, 1973	307.08	Jan. 4, 1965	282.75
July 16, 1959	334.60	Jan. 14, 1974	310.69	Dec. 29, 1965	283.40
Jan. 4, 1960	296.13	Jan. 20, 1975	311.08	Jan. 10, 1967	284.04
Jan. 4, 1961	297.01	Jan. 19, 1976	312.46	Jan. 16, 1968	284.85
Jan. 9, 1962	299.15	Feb. 8, 1977	313.82	Jan. 17, 1968	286.19
Jan. 3, 1963	300.48	Well JL-49-05-605		Jan. 19, 1970	287.88
Jan. 3, 1964	302.85	Owner: City of El Paso		Jan. 1971	288.46
Dec. 28, 1965	304.71	Aug. 12, 1960	300.65	Jan. 8, 1975	301.61
Jan. 17, 1969	338.71	Jan. 26, 1962	295.70	Feb. 2, 1977	301.65
Jan. 19, 1970	340.31	Nov. 29, 1962	337.08	Well JL-40-05-607	
Jan. 1971	310.45	Nov. 30, 1962	336.65	Owner: City of El Paso	
Jan. 1972	313.92	Dec. 2, 1962	336.20	Nov. 17, 1959	244.20
Jan. 1973	318.23	Jan. 3, 1963	298.00	Jan. 3, 1963	249.55
Jan. 8, 1975	321.43	Jan. 3, 1964	301.08	Jan. 4, 1965	255.60
Feb. 1, 1977	358.79	Jan. 5, 1965	302.70	Dec. 29, 1965	256.84
Well JL-49-05-604		Dec. 29, 1965	305.42	Jan. 10, 1967	258.07
Owner: City of El Paso		Jan. 10, 1967	305.38	Jan. 16, 1968	258.59
Feb. 13, 1958	276.21	Jan. 16, 1968	305.66	Jan. 20, 1970	261.47
Jan. 6, 1959	280.85	Jan. 17, 1969	306.29	Jan. 1971	262.52
Apr. 28, 1959	332.85	Jan. 20, 1970	307.79	Jan. 1972	266.81
May 26, 1959	279.18	Jan. 1971	308.74	Jan. 5, 1974	272.71
May 27, 1959	281.20	Jan. 1972	311.12	Jan. 21, 1976	277.11
Jan. 5, 1960	281.39	Jan. 1973	314.05	Feb. 8, 1977	277.20
Jan. 4, 1961	283.19	Jan. 16, 1974	316.50	Well JL-49-05-608	
Jan. 9, 1962	285.30	Jan. 20, 1975	317.98	Owner: City of El Paso	
Jan. 3, 1963	287.40	Jan. 19, 1976	318.73	June 2, 1966	330.13
Jan. 3, 1964	290.90	Feb. 8, 1977	319.72	June 2, 1966	330.05
Jan. 4, 1965	293.59	Well JL-49-05-606		July 7, 1966	328.58
Dec. 29, 1965	296.34	Owner: City of El Paso		July 7, 1966	328.03
Jan. 10, 1967	296.29	May 10, 1956	271.50	Jan. 10, 1967	316.50
		Jan. 6, 1959	265.57		

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-05-608—Continued		Well JL-49-05-610—Continued		Well JL-49-05-610—Continued	
Jan. 10, 1967	316.20	July 25, 1957	284.81	July 25, 1960	289.27
July 5, 1967	331.77	Aug. 25, 1957	284.80	Aug. 25, 1960	289.52
July 5, 1967	331.35	Sept. 25, 1957	284.81	Sept. 25, 1960	289.96
Jan. 2, 1968	317.93	Oct. 25, 1957	284.45	Oct. 25, 1960	289.35
Jan. 2, 1968	317.93	Nov. 25, 1957	284.20	Nov. 25, 1960	289.14
July 12, 1968	331.25	Dec. 25, 1957	284.12	Dec. 25, 1960	289.02
July 12, 1968	331.25	Jan. 25, 1958	282.55	Jan. 25, 1961	288.85
Jan. 17, 1969	319.98	Feb. 25, 1958	282.58	Feb. 25, 1961	288.63
Jan. 17, 1969	319.94	Mar. 25, 1958	282.70	Mar. 25, 1961	288.62
June 18, 1969	333.15	Apr. 25, 1958	282.96	Apr. 14, 1961	288.80
June 18, 1969	333.09	May 25, 1958	284.40	May 25, 1961	290.21
Jan. 20, 1970	321.73	June 25, 1958	285.50	June 25, 1961	290.58
Jan. 20, 1970	321.70	July 25, 1958	285.50	July 9, 1961	290.76
June 23, 1970	333.00	Aug. 25, 1958	284.89	Aug. 25, 1961	291.39
June 23, 1970	332.96	Sept. 25, 1958	284.75	Sept. 25, 1961	291.74
Jan. 1971	332.08	Oct. 25, 1958	284.41	Oct. 25, 1961	291.93
Jan. 1971	332.06	Nov. 25, 1958	284.14	Nov. 25, 1961	291.58
June 22, 1971	335.04	Dec. 25, 1958	283.93	Dec. 25, 1961	291.23
June 22, 1971	335.05	Jan. 25, 1959	283.89	Jan. 25, 1962	290.85
Jan. 1973	328.14	Feb. 25, 1959	283.90	Feb. 20, 1962	290.80
Jan. 1973	328.11	Mar. 25, 1959	283.94	Mar. 25, 1962	291.71
Jan. 14, 1974	331.32	Apr. 25, 1959	284.61	Apr. 25, 1962	291.59
June 4, 1974	340.16	May 25, 1959	285.92	May 25, 1962	291.92
Jan. 20, 1975	330.88	June 25, 1959	286.46	June 25, 1962	292.47
June 27, 1975	331.44	July 25, 1959	287.05	July 25, 1962	292.58
		Aug. 25, 1959	286.58	Aug. 25, 1962	292.93
		Sept. 25, 1959	287.37	Sept. 25, 1962	292.82
		Oct. 25, 1959	287.35	Oct. 25, 1962	293.13
		Nov. 25, 1959	286.45	Nov. 25, 1962	293.40
		Dec. 25, 1959	286.12	Dec. 25, 1962	292.84
		Jan. 25, 1960	286.29	Jan. 25, 1963	293.20
		Feb. 25, 1960	286.58	Feb. 25, 1963	293.23
		Mar. 25, 1960	286.99	Mar. 25, 1963	293.78
		Apr. 25, 1960	287.81	Apr. 25, 1963	294.28
		May 26, 1960	288.50	May 25, 1963	294.79
		June 25, 1960	288.89	June 25, 1963	295.78
Well JL-49-05-610					
Owner: City of El Paso					
May 31, 1956	319.23				
Nov. 25, 1956	281.96				
Dec. 25, 1956	281.58				
Jan. 25, 1957	281.50				
Feb. 25, 1957	281.66				
Mar. 25, 1967	282.37				
Apr. 25, 1957	283.27				
May 25, 1957	284.82				
June 25, 1957	285.21				

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-05-610—Continued		Well JL-49-05-610—Continued		Well JL-49-05-610—Continued	
July 25, 1963	296.16	July 25, 1966	301.39	Aug. 25, 1969	306.22
Aug. 25, 1963	296.38	Aug. 25, 1966	301.66	Sept. 25, 1969	306.30
Sept. 25, 1963	296.44	Sept. 25, 1966	301.63	Oct. 25, 1969	306.30
Oct. 25, 1963	296.18	Oct. 25, 1966	301.92	Nov. 23, 1969	306.14
Nov. 25, 1963	295.79	Nov. 25, 1966	301.22	Dec. 25, 1969	305.90
Dec. 25, 1963	295.65	Dec. 25, 1966	301.04	Jan. 25, 1970	305.80
Jan. 25, 1964	295.60	Jan. 25, 1967	300.78	Feb. 25, 1970	305.88
Feb. 25, 1964	295.27	Feb. 25, 1967	301.04	Mar. 25, 1970	305.60
Mar. 25, 1964	295.43	Mar. 25, 1967	301.18	Apr. 25, 1970	306.18
Apr. 25, 1964	295.79	Apr. 23, 1967	301.78	May 25, 1970	306.70
May 25, 1964	296.85	June 25, 1967	302.69	June 25, 1970	307.31
June 25, 1964	297.39	July 25, 1967	303.08	July 25, 1970	307.38
July 25, 1964	297.72	Aug. 25, 1967	303.30	Aug. 25, 1970	307.81
Aug. 25, 1964	298.13	Sept. 26, 1967	303.17	Sept. 25, 1970	307.72
Sept. 25, 1964	298.30	Oct. 25, 1967	303.29	Oct. 25, 1970	307.40
Oct. 25, 1964	298.37	Nov. 25, 1967	302.99	Nov. 25, 1970	307.18
Nov. 25, 1964	298.59	Dec. 25, 1967	303.07	Dec. 25, 1970	307.24
Dec. 25, 1964	298.50	Jan. 25, 1968	302.43	Jan. 25, 1971	307.39
Jan. 25, 1965	298.48	Feb. 25, 1968	302.69	Feb. 25, 1971	307.47
Feb. 25, 1965	298.50	Mar. 25, 1968	302.64	Mar. 25, 1971	307.89
Mar. 25, 1965	298.03	Apr. 25, 1968	302.98	Apr. 25, 1971	307.97
Apr. 25, 1965	298.34	May 25, 1968	303.75	May 25, 1971	308.56
May 25, 1965	298.57	June 25, 1968	303.96	June 25, 1971	308.96
June 25, 1965	299.07	July 25, 1968	304.22	July 25, 1971	309.10
July 25, 1965	299.56	Aug. 25, 1968	304.55	Aug. 25, 1971	309.45
Aug. 25, 1965	300.05	Sept. 25, 1968	305.00	Sept. 25, 1971	309.72
Sept. 25, 1965	300.27	Oct. 25, 1968	304.85	Oct. 25, 1971	309.79
Oct. 25, 1965	300.31	Nov. 25, 1968	304.37	Nov. 25, 1971	310.32
Nov. 25, 1965	299.53	Dec. 25, 1968	304.05	Dec. 25, 1971	310.38
Dec. 25, 1965	299.72	Jan. 25, 1969	304.10	Jan. 25, 1972	310.87
Jan. 25, 1966	299.40	Feb. 25, 1969	303.93	Feb. 25, 1972	310.79
Feb. 25, 1966	299.36	Mar. 25, 1969	304.26	Mar. 25, 1972	310.90
Mar. 25, 1966	299.88	Apr. 25, 1969	304.45	Apr. 25, 1972	311.24
Apr. 25, 1966	300.41	May 25, 1969	305.18	May 25, 1972	311.68
May 25, 1966	300.83	June 25, 1969	305.48	June 25, 1972	311.98
June 25, 1966	301.19	July 25, 1969	306.05	July 25, 1972	312.45

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-05-610—Continued		Well JL-49-05-610—Continued		Well JL-49-05-802	
Aug. 25, 1972	312.63	Aug. 25, 1975	321.96	Owner: City of El Paso	
Sept. 25, 1972	312.83	Sept. 25, 1975	322.21	Mar. 25, 1953	288.0
Oct. 25, 1972	312.96	Oct. 25, 1975	322.37	Jan. 31, 1973	320.26
Nov. 25, 1972	313.13	Nov. 25, 1975	322.70	Jan. 16, 1974	375.39
Dec. 25, 1972	313.32	Dec. 25, 1975	322.48	Well JL-49-05-803	
Jan. 25, 1973	313.25	Jan. 25, 1976	322.75	Owner: City of El Paso	
Feb. 25, 1973	313.43	Feb. 25, 1976	323.66	Jan. 15, 1953	258.54
Mar. 25, 1973	313.45	Mar. 25, 1976	324.39	Jan. 1964	283.70
Apr. 25, 1973	313.90	Apr. 20, 1976	323.32	Jan. 4, 1965	287.47
May 25, 1973	314.19	May 20, 1976	324.03	Dec. 27, 1965	286.50
June 25, 1973	314.93	June 21, 1976	325.81	Jan. 10, 1967	288.62
July 25, 1973	315.19	July 20, 1976	324.77	Dec. 28, 1967	289.96
Aug. 25, 1973	315.38	Aug. 20, 1976	325.49	Jan. 17, 1969	290.44
Sept. 25, 1973	315.47	Sept. 20, 1976	325.75	Jan. 1970	304.49
Oct. 25, 1973	315.81	Oct. 21, 1976	324.36	Jan. 16, 1970	292.52
Nov. 25, 1973	315.72	Nov. 21, 1976	324.00	Jan. 1971	332.74
Dec. 25, 1973	315.94	Dec. 20, 1976	323.35	Jan. 1973	304.49
Jan. 25, 1974	316.02	Jan. 19, 1977	323.13	Jan. 14, 1974	346.52
Feb. 25, 1974	317.00	Feb. 18, 1977	323.30	Feb. 1, 1977	312.66
Mar. 25, 1974	317.08	Mar. 21, 1977	325.66	Well JL-49-05-901	
Apr. 25, 1974	317.80	Apr. 20, 1977	324.44	Owner: City of El Paso	
May 20, 1974	318.31	May 21, 1977	325.00	July 30, 1956	256.65
June 25, 1974	318.67	June 20, 1977	327.34	Sept. 18, 1956	257.34
July 25, 1974	318.51	Well JL-49-05-801		Mar. 30, 1958	256.94
Aug. 25, 1974	318.27	Owner: City of El Paso		Dec. 15, 1958	258.47
Sept. 25, 1974	318.37	Jan. 6, 1959	402.90	Jan. 6, 1969	257.60
Oct. 25, 1974	318.72	Jan. 14, 1959	404.59	Jan. 5, 1960	260.46
Nov. 25, 1974	318.99	Jan. 5, 1960	404.16	Jan. 4, 1961	263.55
Dec. 25, 1974	318.96	Jan. 4, 1961	405.67	Jan. 9, 1962	265.93
Jan. 25, 1975	319.31	Jan. 9, 1962	407.39	Jan. 3, 1963	269.24
Feb. 25, 1975	319.50	Jan. 3, 1967	432.09	Jan. 3, 1964	269.45
Mar. 25, 1975	319.75	Jan. 17, 1969	423.18	Feb. 4, 1965	271.23
Apr. 25, 1975	320.41	Jan. 1972	446.54	Dec. 29, 1965	272.52
May 25, 1975	320.42	Jan. 6, 1974	453.13	Jan. 10, 1967	273.91
June 25, 1975	321.54	Jan. 26, 1976	463.85	Dec. 28, 1967	275.25
July 25, 1975	321.69				

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-05-901—Continued		Well JL-49-05-903—Continued		Well JL-49-05-905—Continued	
Jan. 17, 1969	277.25	Jan. 1971	248.78	Aug. 25, 1958	264.94
Jan. 16, 1970	278.95	Jan. 1972	255.61	Sept. 25, 1958	264.55
Jan. 1971	281.38	Jan. 1973	259.62	Oct. 24, 1958	263.82
Jan. 1973	289.88	Jan. 15, 1974	286.04	Nov. 25, 1958	263.55
Jan. 8, 1975	297.83	Jan. 28, 1975	263.94	Dec. 24, 1958	263.26
Feb. 1, 1977	296.04	Jan. 21, 1976	266.29	Jan. 23, 1959	263.00
		Feb. 8, 1977	264.11	Feb. 25, 1959	263.27
Well JL-49-05-902		Well JL-49-05-905		Mar. 25, 1959	263.58
Owner: City of El Paso		Owner: City of El Paso		Apr. 24, 1959	265.10
Nov. 14, 1955	248.78	July 1936	244.45	May 25, 1959	265.47
Aug. 6, 1956	255.29	Mar. 19, 1956	259.62	Aug. 25, 1959	267.16
Sept. 18, 1956	256.38	Apr. 23, 1956	259.44	Sept. 25, 1959	268.80
Dec. 11, 1958	253.76	May 23, 1956	259.96	Oct. 26, 1959	267.80
Jan. 6, 1959	253.17	June 21, 1956	260.05	Nov. 26, 1959	266.13
Jan. 5, 1960	256.48	July 20, 1956	260.67	Dec. 24, 1959	265.60
Jan. 4, 1961	260.40	Aug. 21, 1956	260.49	Jan. 25, 1960	265.62
Jan. 9, 1963	264.94	Sept. 21, 1956	260.37	Feb. 26, 1960	266.80
Dec. 31, 1963	263.50	Oct. 23, 1956	260.55	Mar. 25, 1960	266.84
Jan. 4, 1965	267.59	Nov. 23, 1956	260.45	Apr. 25, 1960	269.25
Dec. 27, 1965	266.20	Dec. 21, 1956	259.77	May 25, 1960	269.60
Jan. 25, 1967	267.68	Jan. 23, 1957	259.69	June 24, 1960	270.59
Jan. 17, 1969	269.75	Feb. 21, 1957	259.90	July 28, 1960	270.95
Dec. 28, 1969	269.31	Mar. 26, 1957	260.60	Aug. 25, 1960	270.67
Jan. 16, 1970	271.50	Apr. 23, 1957	262.44	Sept. 26, 1960	271.19
Jan. 1971	276.25	May 23, 1957	263.64	Oct. 25, 1960	268.82
Jan. 14, 1974	290.03	June 24, 1957	265.04	Nov. 25, 1960	268.45
Feb. 1, 1977	290.13	July 23, 1957	264.94	Dec. 23, 1960	268.32
Well JL-49-05-903		Aug. 23, 1957	263.93	Jan. 25, 1961	267.93
Owner: City of El Paso		Sept. 25, 1957	264.56	Feb. 24, 1961	267.73
July 1, 1963	248.29	Oct. 25, 1957	262.52	Mar. 24, 1961	267.97
Jan. 4, 1965	242.02	Nov. 25, 1957	262.18	Apr. 26, 1961	270.82
Dec. 29, 1965	242.42	Dec. 24, 1957	262.07	May 25, 1961	272.10
Jan. 10, 1967	243.49	Jan. 24, 1958	261.71	June 23, 1961	271.42
Dec. 28, 1967	244.93	Feb. 25, 1958	262.18	July 25, 1961	272.40
Jan. 17, 1969	245.54	Mar. 25, 1958	261.87	Aug. 25, 1961	273.00
Jan. 20, 1970	247.30			Sept. 25, 1961	272.52

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-05-905—Continued		Well JL-49-05-905—Continued		Well JL-49-05-905—Continued	
Oct. 25, 1961	272.38	Oct. 23, 1964	277.77	Oct. 25, 1967	281.23
Nov. 24, 1961	270.64	Nov. 25, 1964	278.75	Nov. 22, 1967	280.85
Dec. 26, 1961	270.12	Dec. 24, 1964	278.07	Dec. 22, 1967	279.95
Jan. 25, 1962	270.44	Jan. 25, 1965	277.37	Jan. 25, 1968	280.08
Feb. 23, 1962	270.22	Feb. 25, 1965	276.14	Feb. 20, 1968	279.65
Apr. 2, 1962	272.59	Mar. 25, 1965	275.94	Mar. 22, 1968	280.03
Apr. 24, 1962	271.00	Apr. 26, 1965	276.55	Apr. 22, 1968	280.97
May 25, 1962	272.00	May 25, 1965	276.77	May 21, 1968	282.32
June 25, 1962	273.05	June 25, 1965	277.75	June 20, 1968	282.96
July 25, 1962	271.78	July 25, 1965	279.12	July 9, 1968	283.13
Aug. 24, 1962	272.94	Aug. 25, 1965	279.60	Aug. 21, 1968	282.87
Sept. 25, 1962	272.08	Sept. 24, 1965	279.74	Sept. 19, 1968	283.09
Oct. 25, 1962	273.86	Oct. 25, 1965	281.22	Oct. 21, 1968	282.86
Nov. 24, 1962	273.95	Nov. 24, 1965	277.14	Nov. 19, 1968	281.98
Dec. 26, 1962	272.18	Dec. 23, 1965	276.73	Dec. 20, 1968	281.34
Jan. 25, 1963	273.54	Jan. 25, 1966	276.57	Jan. 20, 1969	281.09
Feb. 25, 1963	272.17	Feb. 25, 1966	277.09	Feb. 24, 1969	281.25
Mar. 25, 1963	273.64	Mar. 25, 1966	278.30	Mar. 20, 1969	281.39
Apr. 25, 1963	275.27	Apr. 25, 1966	279.55	Apr. 23, 1969	283.95
May 24, 1963	274.81	May 25, 1966	280.21	May 20, 1969	283.55
June 25, 1963	276.74	June 28, 1966	279.55	June 20, 1969	286.42
July 25, 1963	277.00	July 25, 1966	280.83	July 24, 1969	285.22
Aug. 26, 1963	276.88	Aug. 25, 1966	279.82	Aug. 20, 1969	286.34
Sept. 24, 1963	276.87	Sept. 23, 1966	279.97	Sept. 22, 1969	285.60
Oct. 25, 1963	275.34	Oct. 25, 1966	279.47	Oct. 22, 1969	284.62
Nov. 26, 1963	274.17	Nov. 25, 1966	278.72	Nov. 20, 1969	283.62
Dec. 24, 1963	273.95	Dec. 23, 1966	278.37	Dec. 19, 1969	283.29
Jan. 25, 1964	273.39	Jan. 25, 1967	278.16	Jan. 20, 1970	282.66
Feb. 25, 1964	273.38	Feb. 24, 1967	278.76	Feb. 20, 1970	282.79
Mar. 25, 1964	273.63	Mar. 24, 1967	279.70	Mar. 23, 1970	282.95
Apr. 24, 1964	274.77	Apr. 25, 1967	280.06	Apr. 20, 1970	284.15
May 25, 1964	277.29	May 25, 1967	280.78	May 20, 1970	285.35
June 25, 1964	277.30	June 26, 1967	281.18	June 20, 1970	286.35
July 27, 1964	277.94	July 25, 1967	282.22	July 21, 1970	286.59
Aug. 28, 1964	277.29	Aug. 25, 1967	282.43	Aug. 21, 1970	287.00
Sept. 25, 1964	278.43	Sept. 25, 1967	281.57	Sept. 21, 1970	286.25

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-05-905—Continued		Well JL-49-05-906		Well JL-49-06-102—Continued	
Oct. 21, 1970	285.19	Owner: City of El Paso		Jan. 2, 1968	338.98
Nov. 20, 1970	284.65	Mar. 16, 1966	252.34	July 12, 1968	339.50
Dec. 18, 1970	284.73	Dec. 28, 1967	250.56	Mar. 20, 1969	339.91
Mar. 19, 1971	286.45	Jan. 17, 1969	252.66	Aug. 21, 1969	340.27
Apr. 20, 1971	286.26	Jan. 20, 1970	254.27	Jan. 28, 1970	340.20
May 21, 1971	287.45	Jan. 1971	255.46	Aug. 21, 1970	340.80
June 21, 1971	288.20	Jan. 1972	259.40	Feb. 5, 1971	341.33
July 20, 1971	288.93	Jan. 1973	261.55	Feb. 20, 1972	341.50
Aug. 20, 1971	287.66	Jan. 15, 1974	265.23	Feb. 23, 1973	342.31
Sept. 23, 1971	288.29	Jan. 6, 1975	266.80	Jan. 1974	343.07
Oct. 21, 1971	288.36	Jan. 21, 1976	269.08	Jan. 6, 1975	343.64
Nov. 19, 1971	288.97	Feb. 8, 1977	268.46	Jan. 20, 1976	344.22
Dec. 17, 1971	289.00	Well JL-49-06-102		Jan. 3, 1977	344.10
Jan. 21, 1972	289.90	Owner: Price's Dairy		Well JL-49-06-401	
Feb. 22, 1972	289.85	May 17, 1953	334.00	Owner: City of El Paso	
Jan. 30, 1973	290.67	Jan. 7, 1954	331.13	May 11, 1965	311.11
Jan. 1974	296.32	Jan. 24, 1955	331.24	Dec. 29, 1965	308.36
Jan. 20, 1975	297.42	Jan. 21, 1956	331.07	Jan. 10, 1967	310.76
Jan. 20, 1976	301.54	Jan. 8, 1957	331.70	Jan. 16, 1968	309.30
Feb. 20, 1976	301.39	Jan. 17, 1958	332.56	Jan. 22, 1969	310.28
Mar. 19, 1976	301.91	Jan. 6, 1959	332.94	Jan. 20, 1970	311.14
Apr. 20, 1976	300.94	Jan. 5, 1960	333.60	Jan. 1971	312.45
May 20, 1976	301.11	Jan. 3, 1961	334.28	Jan. 1972	313.36
June 21, 1976	302.39	Jan. 8, 1962	334.79	Feb. 1, 1973	310.96
July 20, 1976	301.68	July 3, 1962	335.18	Jan. 15, 1974	316.75
Aug. 20, 1976	302.43	Jan. 2, 1963	336.21	Jan. 6, 1975	317.40
Sept. 20, 1976	301.98	July 2, 1963	336.76	Jan. 21, 1976	318.22
Oct. 21, 1976	301.19	Jan. 3, 1964	336.58	Feb. 8, 1977	319.20
Nov. 21, 1976	301.02	July 7, 1964	336.72	Well JL-49-06-402	
Dec. 20, 1976	300.44	Dec. 29, 1964	337.53	Owner: City of El Paso	
Jan. 19, 1977	301.93	July 20, 1965	337.43	Oct. 30, 1963	326.49
Feb. 18, 1977	299.46	Dec. 29, 1965	337.81	Jan. 4, 1965	329.89
Apr. 27, 1977	301.35	July 18, 1966	338.42	Dec. 29, 1965	333.36
May 22, 1977	301.62	Jan. 12, 1967	338.40	Jan. 10, 1967	332.97
June 20, 1977	302.96	July 5, 1967	339.03	Jan. 16, 1968	332.55
July 20, 1977	303.14				

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-06-702—Continued		Well JL-49-06-703—Continued		Well JL-49-12-102—Continued	
Jan. 8, 1962	276.27	Jan. 22, 1958	277.03	Jan. 10, 1958	8.0
July 5, 1962	282.32	June 24, 1958	278.13	Jan. 13, 1959	6.3
Jan. 2, 1963	282.91	Jan. 7, 1959	277.86	Mar. 24, 1975	6.6
July 2, 1963	284.03	June 15, 1959	280.25		
Jan. 3, 1964	283.90	Jan. 6, 1960	279.33	Well JL-49-12-103	
July 7, 1964	285.29	Jan. 3, 1961	280.64	Owner: Indar Singh	
Dec. 29, 1964	285.43	Jan. 8, 1962	281.18	Jan. 16, 1953	7.29
July 20, 1965	286.63	July 5, 1962	283.85	Nov. 11, 1954	7.15
Dec. 30, 1965	286.85	Jan. 2, 1963	283.10	Jan. 21, 1955	7.11
July 18, 1966	287.89	July 2, 1963	286.12	Jan. 18, 1956	6.33
Jan. 16, 1967	287.87	Jan. 3, 1964	284.60	Jan. 14, 1957	7.17
July 5, 1967	288.85	July 7, 1964	287.27	Jan. 10, 1958	6.79
Jan. 3, 1968	289.11	Dec. 29, 1964	285.69	Jan. 14, 1959	5.77
July 12, 1968	289.92	July 20, 1965	288.85	Jan. 15, 1960	6.33
Mar. 21, 1969	290.33	Dec. 30, 1965	287.14	Dec. 28, 1962	7.31
Aug. 21, 1969	289.72	July 18, 1966	289.30	Dec. 29, 1967	7.40
Jan. 28, 1970	288.38	Jan. 16, 1967	287.86	Jan. 23, 1969	7.25
Sept. 1, 1970	291.85	July 5, 1967	288.73	Jan. 26, 1970	7.01
Feb. 17, 1971	292.09	Jan. 3, 1968	289.02	Feb. 3, 1971	6.98
Jan. 20, 1972	293.43	July 12, 1968	288.66	Jan. 7, 1972	6.89
Jan. 20, 1973	294.65	Mar. 21, 1969	290.14	Jan. 26, 1973	6.72
Jan. 1974	295.99	Jan. 28, 1970	290.92	Jan. 1974	5.75
May 1, 1975	284.45	Sept. 1, 1970	293.75	Jan. 22, 1975	5.32
Jan. 20, 1976	298.60	Feb. 17, 1971	292.24	Mar. 27, 1975	5.0
Feb. 4, 1977	299.24	Jan. 20, 1973	293.50	Jan. 16, 1976	5.45
		Jan. 24, 1973	294.86	Dec. 28, 1976	5.33
Well JL-49-06-703		Jan. 1974	295.84	Well JL-49-12-104	
Owner: U.S. Army		May 1, 1975	284.40	Owner: City of El Paso	
Feb. 29, 1952	273.43	Well JL-49-12-102		May 16, 1968	10.09
Jan. 25, 1955	274.94	Owner: Erich Brandes		July 18, 1968	8.78
Apr. 19, 1955	275.02	Jan. 10, 1952	6.9	Oct. 28, 1968	9.25
June 15, 1955	275.58	Jan. 16, 1953	7.4	Jan. 22, 1969	8.61
Sept. 21, 1955	275.50	Nov. 11, 1954	9.9	Mar. 20, 1969	8.75
Jan. 20, 1956	275.62	Jan. 21, 1955	8.2	June 18, 1969	8.18
June 18, 1956	276.24	Jan. 18, 1956	8.7	Sept. 26, 1969	7.31
Sept. 20, 1956	276.62	Jan. 14, 1957	9.2	Jan. 21, 1970	8.30
Jan. 15, 1957	276.29				

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-12-104—Continued		Well JL-49-12-105—Continued		Well JL-49-12-107—Continued	
Mar. 27, 1970	8.00	Oct. 28, 1971	6.07	Jan. 6, 1972	5.58
June 23, 1970	7.67	Jan. 1972	6.32	Jan. 26, 1973	6.43
Sept. 23, 1970	7.54	Mar. 24, 1972	6.34	Jan. 1974	5.40
Jan. 1971	8.37	June 30, 1972	6.54	Jan. 22, 1975	5.16
June 21, 1971	8.14	Sept. 26, 1972	5.70	Mar. 19, 1975	4.95
Oct. 27, 1971	8.69	Mar. 22, 1973	7.01	Jan. 16, 1976	5.27
Jan. 1972	9.04	Jan. 22, 1974	5.93	Dec. 28, 1976	5.25
Mar. 24, 1972	9.85	Apr. 11, 1974	5.34		
June 29, 1972	8.84	June 5, 1974	5.70	Well JL-49-12-108	
Sept. 26, 1972	8.84	Oct. 2, 1974	4.89	Owner: Willard Deerman	
Mar. 22, 1973	7.66	Jan. 27, 1975	5.48	Apr. 28, 1951	7.6
Jan. 22, 1974	8.44	Mar. 27, 1975	5.80	Feb. 19, 1953	7.6
Apr. 11, 1974	7.82	Mar. 17, 1976	5.40	Jan. 8, 1954	8.5
June 5, 1974	8.16	June 25, 1976	5.52	Nov. 11, 1954	9.6
Oct. 2, 1974	7.77			Jan. 21, 1955	9.3
Jan. 27, 1975	8.53	Well JL-49-12-107		Jan. 18, 1956	8.4
Mar. 26, 1975	7.89	Owner: Thomas & Martin		Jan. 14, 1957	8.4
Sept. 29, 1975	7.34	Apr. 28, 1951	5.48	Jan. 10, 1958	7.7
Jan. 22, 1976	8.40	Jan. 16, 1953	6.05	June 12, 1958	7.7
Mar. 17, 1976	7.67	Nov. 11, 1954	7.30	Jan. 13, 1959	6.1
June 25, 1976	7.54	Jan. 21, 1955	7.44	Jan. 21, 1973	6.3
		Jan. 18, 1956	8.85	Mar. 24, 1975	6.8
		Jan. 11, 1957	9.23		
Well JL-49-12-105		Jan. 10, 1958	8.00	Well JL-49-12-109	
Owner: City of El Paso		Jan. 13, 1959	5.75	Owner: M. M. Friedman	
May 20, 1968	6.84	Jan. 15, 1960	5.43	Jan. 16, 1953	7.5
July 18, 1968	6.54	Jan. 9, 1961	5.65	Nov. 11, 1954	7.2
Oct. 29, 1968	6.90	Jan. 30, 1962	5.65	Jan. 21, 1955	6.8
Jan. 22, 1969	6.77	Dec. 27, 1962	5.65	Jan. 18, 1956	8.1
Mar. 20, 1969	6.85	Dec. 16, 1963	5.34	Jan. 14, 1957	7.2
June 18, 1969	6.88	Dec. 8, 1964	8.55	Jan. 10, 1958	6.4
Sept. 26, 1969	6.40	Jan. 14, 1966	5.96	Jan. 13, 1959	5.3
Jan. 22, 1970	6.51	Dec. 13, 1966	5.43		
Mar. 27, 1970	6.27	Dec. 28, 1967	5.55	Well JL-49-12-113	
June 23, 1970	6.54	Jan. 28, 1969	5.63	Owner: L. T. Cox	
Sept. 23, 1970	6.45	Jan. 26, 1970	5.53	Mar. 14, 1952	8.3
Jan. 23, 1971	6.55	Feb. 2, 1971	5.50	Jan. 15, 1953	7.7
June 21, 1971	6.54			Nov. 12, 1954	8.2

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-12-113—Continued		Well JL-49-12-201—Continued		Well JL-49-12-601	
Jan. 21, 1955	8.0	June 21, 1971	10.03	Owner: City of El Paso	
Jan. 18, 1956	9.1	Oct. 27, 1971	10.35	May 6, 1968	2.11
Jan. 15, 1957	9.2	Jan. 1972	10.51	July 16, 1968	2.69
Jan. 10, 1958	8.3	Mar. 24, 1972	10.41	Oct. 28, 1968	3.03
Jan. 13, 1959	6.9	June 29, 1972	10.42	Jan. 14, 1969	2.88
Well JL-49-12-116		Sept. 26, 1972	10.14	Mar. 20, 1969	0.96
Owner: J. H. Padgett		Mar. 22, 1973	10.23	June 18, 1969	0.94
Mar. 14, 1952	9.5	Jan. 22, 1974	9.92	Sept. 26, 1969	2.24
Jan. 16, 1953	8.7	Apr. 11, 1974	9.15	Jan. 21, 1970	2.98
Jan. 8, 1954	8.5	June 5, 1974	8.92	Mar. 27, 1970	1.45
Nov. 12, 1954	8.8	Oct. 2, 1974	8.18	June 23, 1970	0.69
Jan. 18, 1956	8.1	Jan. 27, 1975	8.81	Sept. 23, 1970	2.18
Well JL-49-12-118		Sept. 29, 1975	8.01	Jan. 1971	3.07
Owner: El Paso Country Club		Jan. 22, 1976	9.13	June 21, 1971	1.29
Jan. 15, 1953	10.4	Mar. 17, 1976	9.06	Oct. 27, 1971	2.03
Nov. 12, 1954	11.4	June 25, 1976	8.09	Jan. 1972	3.21
Jan. 21, 1955	11.1	Well JL-49-12-510		Mar. 24, 1972	1.35
Jan. 18, 1956	11.5	Owner: L. D. McComas		June 29, 1972	2.37
Jan. 14, 1957	10.9	June 10, 1952	7.75	Sept. 26, 1972	3.41
Jan. 10, 1958	10.5	Jan. 14, 1957	10.06	Mar. 22, 1973	1.15
Jan. 22, 1959	9.4	Jan. 10, 1958	8.42	Well JL-49-13-203	
Well JL-49-12-201		Jan. 13, 1959	7.50	Owner: City of El Paso	
Owner: City of El Paso		Jan. 15, 1960	7.28	June 25, 1941	50.07
May 6, 1958	10.28	Jan. 9, 1961	7.36	Jan. 28, 1955	213.54
July 18, 1968	10.04	Jan. 30, 1962	7.68	Jan. 30, 1956	218.68
Oct. 28, 1968	10.45	Dec. 27, 1962	7.49	Jan. 23, 1957	220.84
Jan. 22, 1969	11.76	Dec. 16, 1963	7.53	Jan. 16, 1958	221.74
Mar. 20, 1969	10.59	Dec. 8, 1964	8.87	Jan. 7, 1959	222.12
June 18, 1969	10.39	Jan. 14, 1966	7.34	May 29, 1959	250.66
Sept. 26, 1969	9.74	Dec. 13, 1966	6.75	Jan. 4, 1960	223.08
Jan. 21, 1970	10.45	Dec. 28, 1967	6.48	July 21, 1960	249.35
Mar. 27, 1970	10.20	Jan. 28, 1969	5.79	Jan. 5, 1961	248.11
June 23, 1970	9.73	Jan. 26, 1970	6.09	July 5, 1961	231.89
Sept. 23, 1970	9.05	Feb. 3, 1971	5.90	Jan. 9, 1962	226.03
Jan. 1971	10.02	Jan. 7, 1972	6.22	Dec. 31, 1962	226.88
		Jan. 29, 1973	6.68	Dec. 31, 1963	228.51

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-203—Continued		Well JL-49-13-206—Continued		Well JL-49-13-206—Continued	
Jan. 4, 1965	229.08	Feb. 23, 1940	192.83	June 18, 1943	197.94
Dec. 27, 1965	231.57	Mar. 19, 1940	192.88	July 21, 1943	197.99
Jan. 11, 1967	236.26	Apr. 17, 1940	192.85	Aug. 23, 1943	198.10
Well JL-49-13-204		May 28, 1940	193.01	Sept. 28, 1943	198.31
Owner: City of El Paso		June 27, 1940	193.04	Oct. 22, 1943	198.28
Jan. 7, 1954	211.00	July 20, 1940	193.21	Nov. 24, 1943	198.64
Jan. 28, 1955	212.88	Aug. 19, 1940	193.35	Feb. 15, 1944	198.70
June 10, 1955	271.01	Sept. 20, 1940	193.18	Mar. 28, 1944	199.09
Jan. 17, 1957	217.67	Oct. 19, 1940	193.42	Apr. 25, 1944	199.12
Jan. 22, 1958	221.58	Nov. 22, 1940	193.08	May 25, 1944	199.23
Jan. 7, 1959	219.51	Dec. 16, 1940	193.32	June 23, 1944	199.63
May 28, 1959	271.52	Jan. 10, 1941	193.55	July 27, 1944	199.63
Feb. 1, 1960	232.31	Feb. 13, 1941	193.31	Aug. 23, 1944	199.74
Feb. 2, 1960	226.40	Mar. 18, 1941	193.50	Sept. 27, 1944	199.78
Jan. 5, 1961	223.64	Apr. 24, 1941	193.62	Oct. 25, 1944	199.97
Jan. 9, 1962	227.70	June 18, 1941	193.54	Nov. 20, 1944	199.92
Jan. 3, 1963	225.73	July 15, 1941	193.82	Dec. 21, 1944	200.07
Dec. 27, 1965	232.22	Aug. 20, 1941	193.85	Jan. 24, 1945	200.09
Jan. 11, 1967	235.02	Sept. 25, 1941	193.82	Feb. 22, 1945	200.21
Dec. 28, 1967	232.92	Oct. 15, 1941	193.99	Mar. 27, 1945	200.18
Jan. 14, 1969	235.80	Nov. 19, 1941	193.76	Apr. 24, 1945	200.25
Jan. 16, 1970	235.82	Jan. 23, 1942	193.94	May 25, 1945	200.40
Jan. 1971	308.72	Mar. 11, 1942	194.93	June 22, 1945	200.54
Jan. 1972	236.28	Apr. 16, 1942	195.40	July 26, 1945	200.68
Jan. 1973	238.34	May 20, 1942	195.90	Aug. 28, 1945	200.79
Jan. 20, 1975	241.22	June 23, 1942	195.98	Sept. 26, 1945	200.90
Jan. 19, 1976	242.77	July 27, 1942	196.36	Oct. 22, 1945	200.99
Well JL-49-13-206		Aug. 26, 1942	196.19	Nov. 27, 1945	201.10
Owner: City of El Paso		Sept. 23, 1942	196.43	Jan. 25, 1946	201.24
June 20, 1939	192.63	Oct. 26, 1942	195.67	Feb. 27, 1946	201.25
July 21, 1939	192.85	Nov. 23, 1942	197.83	May 29, 1946	201.58
Aug. 17, 1939	192.73	Dec. 22, 1942	196.32	June 26, 1946	201.64
Nov. 21, 1939	192.89	Jan. 20, 1943	196.13	July 30, 1946	201.79
Dec. 30, 1939	192.90	Mar. 22, 1943	197.18	Aug. 29, 1946	201.99
Feb. 5, 1940	192.61	Apr. 26, 1943	197.40	Sept. 25, 1946	201.97
		May 20, 1943	198.61	Oct. 27, 1946	202.04

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-206—Continued		Well JL-49-13-206—Continued		Well JL-49-13-206—Continued	
Nov. 25, 1946	199.11	Aug. 22, 1951	207.99	July 1, 1964	228.70
Dec. 17, 1946	203.22	Oct. 22, 1951	207.72	Jan. 4, 1965	228.56
Jan. 13, 1947	202.04	Jan. 22, 1952	208.05	July 5, 1965	231.52
Feb. 25, 1947	202.36	Mar. 24, 1952	206.48	Dec. 27, 1965	230.12
Mar. 24, 1947	202.51	June 3, 1952	207.96	July 6, 1966	229.78
Apr. 29, 1947	202.48	Aug. 26, 1952	209.43	Jan. 11, 1967	231.02
June 23, 1947	202.70	Sept. 22, 1952	208.84	July 5, 1967	231.03
July 28, 1947	202.88	Oct. 6, 1952	209.24	Jan. 2, 1968	231.27
Aug. 26, 1947	202.92	Nov. 21, 1952	208.87	July 12, 1968	233.16
Sept. 29, 1947	203.07	Jan. 8, 1953	209.21	Jan. 14, 1969	233.68
Dec. 15, 1947	202.47	June 10, 1953	210.12	June 18, 1969	237.65
Jan. 13, 1948	202.83	Jan. 7, 1954	209.74	Jan. 16, 1970	236.46
Mar. 24, 1948	202.34	June 28, 1954	210.79	June 23, 1970	235.65
June 14, 1948	203.18	Jan. 28, 1955	211.50	Jan. 1971	235.29
Aug. 31, 1948	203.55	Apr. 15, 1955	211.50	June 22, 1971	237.63
Sept. 27, 1948	203.55	June 15, 1955	212.26	Jan. 1972	235.98
Oct. 26, 1948	203.65	Sept. 22, 1955	211.54	Jan. 1973	231.90
Dec. 28, 1948	203.10	Jan. 30, 1956	213.16	Jan. 11, 1974	240.39
June 30, 1949	204.03	Apr. 30, 1956	213.30	June 4, 1974	245.14
Aug. 23, 1949	204.14	June 21, 1956	213.80	Jan. 20, 1975	248.15
Sept. 2, 1949	204.14	Sept. 18, 1956	214.86	June 26, 1975	244.15
Sept. 20, 1949	204.23	Jan. 23, 1957	215.49	Jan. 19, 1976	236.50
Oct. 21, 1949	204.34	June 25, 1957	216.27	June 23, 1976	236.90
Nov. 19, 1949	204.49	Jan. 16, 1958	217.71	Feb. 1, 1977	235.62
Dec. 19, 1949	204.42	June 25, 1958	219.16		
Jan. 23, 1950	204.39	Jan. 7, 1959	219.89	Well JL-49-13-301	
Feb. 20, 1950	204.54	June 16, 1959	221.55	Owner: City of El Paso	
Apr. 22, 1950	204.70	Jan. 4, 1960	222.35	Oct. 20, 1964	231.90
June 4, 1950	204.82	July 21, 1960	223.13	Nov. 20, 1964	231.24
July 20, 1950	205.02	Jan. 5, 1961	224.37	Dec. 20, 1964	229.40
Sept. 18, 1950	205.28	July 5, 1961	225.20	Jan. 20, 1965	229.34
Oct. 27, 1950	205.16	Jan. 9, 1962	225.34	Feb. 20, 1965	228.95
Nov. 22, 1950	205.18	July 2, 1962	226.70	Mar. 20, 1965	224.02
Jan. 4, 1951	205.25	Dec. 31, 1962	226.17	Apr. 20, 1965	230.83
Apr. 23, 1951	208.63	July 1, 1963	227.84	May 20, 1965	230.83
July 25, 1951	207.53	Dec. 31, 1963	229.80	June 20, 1965	232.37
				July 20, 1965	232.85

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-301—Continued		Well JL-49-13-301—Continued		Well JL-49-13-301—Continued	
Aug. 20, 1965	232.94	Sept. 20, 1968	237.72	Oct. 20, 1971	241.28
Sept. 20, 1965	232.58	Oct. 20, 1968	238.02	Nov. 20, 1971	241.44
Oct. 20, 1965	230.42	Nov. 20, 1968	236.90	Dec. 20, 1971	241.29
Nov. 20, 1965	229.60	Dec. 20, 1968	234.67	Jan. 20, 1972	241.17
Dec. 20, 1965	229.00	Jan. 20, 1969	235.05	Feb. 20, 1972	239.03
Jan. 20, 1966	231.36	Feb. 20, 1969	234.58	Mar. 20, 1972	238.83
Feb. 20, 1966	230.25	Mar. 20, 1969	236.12	Apr. 20, 1972	238.75
Mar. 20, 1966	233.02	Apr. 20, 1969	236.37	May 20, 1972	240.47
Apr. 20, 1966	234.28	May 20, 1969	239.12	June 6, 1972	242.58
May 12, 1966	234.60	June 20, 1969	239.82	Dec. 21, 1973	247.28
June 20, 1966	234.55	July 20, 1969	238.78	June 20, 1974	250.55
July 20, 1966	234.90	Aug. 20, 1969	238.42	July 20, 1974	247.83
Aug. 20, 1966	236.39	Sept. 20, 1969	238.70	Aug. 20, 1974	250.35
Sept. 20, 1966	234.70	Oct. 20, 1969	236.70	Oct. 24, 1974	249.20
Oct. 20, 1966	234.47	Nov. 20, 1969	236.40	Nov. 22, 1974	249.47
Nov. 20, 1966	234.32	Dec. 20, 1969	236.04	Dec. 20, 1974	246.85
Dec. 20, 1966	233.98	Jan. 20, 1970	235.98	Jan. 20, 1975	246.73
Jan. 20, 1967	234.13	Feb. 20, 1970	236.30	Feb. 20, 1975	246.15
Feb. 20, 1967	235.37	Mar. 20, 1970	235.23	Mar. 20, 1975	246.39
Mar. 20, 1967	232.28	Apr. 20, 1970	237.32	Apr. 20, 1975	248.01
Apr. 20, 1967	234.12	May 20, 1970	238.75	May 20, 1975	249.12
May 18, 1967	235.70	June 20, 1970	239.21	June 20, 1975	250.87
June 20, 1967	234.70	July 20, 1970	240.35	July 20, 1975	250.95
July 20, 1967	234.41	Aug. 20, 1970	240.56	Aug. 15, 1975	251.30
Aug. 20, 1967	235.45	Sept. 20, 1970	239.71	Sept. 20, 1975	250.71
Sept. 20, 1967	235.87	Oct. 20, 1970	239.18	Oct. 21, 1975	250.68
Oct. 20, 1967	235.85	Nov. 20, 1970	238.76	Nov. 20, 1975	248.66
Nov. 20, 1967	235.18	Dec. 20, 1970	237.24	Dec. 20, 1975	248.33
Dec. 20, 1967	232.82	Jan. 20, 1971	237.50	Jan. 20, 1976	247.97
Jan. 20, 1968	235.83	Feb. 20, 1971	237.90	Feb. 20, 1976	247.19
Feb. 20, 1968	234.68	Mar. 20, 1971	236.86	Mar. 20, 1976	246.11
Mar. 20, 1968	232.25	Apr. 20, 1971	237.27	Apr. 20, 1976	248.14
Apr. 20, 1968	234.96	May 20, 1971	238.02	May 21, 1976	247.99
May 20, 1968	237.72	June 20, 1971	239.69	June 21, 1976	250.29
June 20, 1968	238.76	July 9, 1971	241.10	July 20, 1976	249.42
July 20, 1968	238.70	Aug. 26, 1971	239.86	Aug. 20, 1976	249.85
Aug. 20, 1968	236.68	Sept. 20, 1971	240.11	Sept. 20, 1976	249.64

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-608—Continued		Well JL-49-13-610—Continued		Well JL-49-13-611—Continued	
Jan. 23, 1962	258.85	Jan. 17, 1957	266.22	June 24, 1957	265.87
Jan. 9, 1963	259.42	Jan. 15, 1958	269.66	July 23, 1957	265.30
Jan. 2, 1964	261.72	Dec. 17, 1958	267.44	Aug. 23, 1957	264.94
Jan. 4, 1965	265.64	Jan. 2, 1959	266.52	Sept. 25, 1957	261.68
Jan. 25, 1976	264.44	Jan. 6, 1960	268.92	Oct. 25, 1957	259.87
Jan. 16, 1968	265.40	Jan. 6, 1961	279.66	Nov. 25, 1957	260.16
Jan. 6, 1969	268.58	June 22, 1964	285.21	Dec. 20, 1957	259.52
Jan. 16, 1970	271.24	Feb. 2, 1965	282.44	Jan. 23, 1958	259.46
Jan. 1971	270.39	Jan. 25, 1967	279.88	Feb. 25, 1958	261.42
Jan. 1972	272.19	Dec. 28, 1967	281.02	Mar. 25, 1958	259.62
Jan. 1973	274.53	Jan. 19, 1969	283.06	Apr. 25, 1958	263.29
Jan. 10, 1974	274.65	Jan. 15, 1970	284.53	May 23, 1958	263.94
Jan. 16, 1975	276.40	Jan. 1971	284.25	June 25, 1958	265.74
Jan. 1976	278.46	Jan. 1973	292.52	July 25, 1958	267.42
Dec. 8, 1976	287.21	Jan. 10, 1974	292.43	Aug. 25, 1958	264.00
Well JL-49-13-609		Jan. 15, 1976	295.39	Sept. 25, 1958	264.51
Owner: City of El Paso		Dec. 8, 1976	298.09	Oct. 24, 1958	263.89
Mar. 27, 1958	260.28	Well JL-49-13-611		Nov. 25, 1958	264.23
Dec. 18, 1958	259.50	Owner: U.S. Army		Dec. 24, 1958	262.56
Jan. 12, 1959	336.80	July 16, 1936	244.12	Jan. 23, 1959	261.57
Feb. 13, 1959	258.17	Feb. 21, 1956	258.91	Feb. 25, 1959	263.93
Jan. 6, 1960	260.53	Mar. 19, 1956	259.91	Mar. 25, 1959	264.45
Jan. 2, 1963	265.17	Apr. 23, 1956	260.17	Apr. 24, 1959	265.77
Dec. 31, 1963	267.33	May 23, 1956	263.30	May 25, 1959	266.39
Feb. 2, 1965	273.48	June 21, 1956	263.52	June 25, 1959	267.22
Dec. 29, 1965	272.03	July 20, 1956	263.70	July 24, 1959	268.42
Jan. 25, 1967	270.22	Aug. 21, 1956	262.42	Aug. 25, 1959	264.74
Jan. 15, 1968	271.00	Sept. 21, 1956	264.70	Sept. 25, 1959	265.68
Jan. 6, 1969	274.16	Oct. 23, 1956	264.46	Oct. 26, 1959	266.38
Jan. 15, 1970	277.09	Nov. 23, 1956	262.23	Nov. 25, 1959	266.56
Jan. 1971	275.93	Dec. 21, 1956	261.26	Dec. 28, 1959	265.00
Well JL-49-13-610		Jan. 23, 1957	258.43	Jan. 25, 1960	265.95
Owner: City of El Paso		Feb. 25, 1957	260.91	Feb. 26, 1960	264.58
Mar. 6, 1954	267.44	Mar. 25, 1957	258.86	Mar. 25, 1960	267.75
June 10, 1955	310.35	Apr. 23, 1957	261.58	Apr. 25, 1960	266.67
Jan. 27, 1956	262.38	May 23, 1957	264.10	May 25, 1960	267.08
				June 24, 1960	268.68

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-611—Continued		Well JL-49-13-611—Continued		Well JL-49-13-611—Continued	
July 28, 1960	269.72	July 25, 1963	275.41	July 25, 1966	282.65
Aug. 25, 1960	270.10	Aug. 26, 1963	273.55	Aug. 25, 1966	281.39
Sept. 26, 1960	270.13	Sept. 24, 1963	273.64	Sept. 23, 1966	280.70
Oct. 25, 1960	265.43	Oct. 25, 1963	271.41	Oct. 25, 1966	279.33
Nov. 25, 1960	264.34	Nov. 26, 1963	270.40	Nov. 25, 1966	279.25
Dec. 23, 1960	261.29	Dec. 24, 1963	270.90	Dec. 23, 1966	277.60
Jan. 25, 1961	264.78	Jan. 25, 1964	270.60	Jan. 25, 1967	272.15
Feb. 24, 1961	265.00	Feb. 25, 1964	270.50	Feb. 24, 1967	273.17
Mar. 24, 1961	268.82	Mar. 25, 1964	270.38	Mar. 24, 1967	275.34
Apr. 26, 1961	268.20	Apr. 24, 1964	272.15	Apr. 25, 1967	281.62
May 25, 1961	268.30	May 25, 1964	273.07	May 25, 1967	283.82
June 23, 1961	269.98	June 25, 1964	274.70	June 26, 1967	284.44
July 25, 1961	270.40	July 25, 1964	275.09	July 25, 1967	285.67
Aug. 25, 1961	271.04	Aug. 28, 1964	275.74	Aug. 25, 1967	285.28
Sept. 25, 1961	269.50	Sept. 25, 1964	273.22	Sept. 25, 1967	286.18
Oct. 25, 1961	268.38	Oct. 23, 1964	272.91	Oct. 25, 1967	284.55
Nov. 24, 1961	267.20	Nov. 25, 1964	271.44	Nov. 22, 1967	277.85
Dec. 26, 1961	263.92	Dec. 24, 1964	270.70	Dec. 22, 1967	275.67
Jan. 25, 1962	264.83	Jan. 25, 1965	270.30	Jan. 20, 1968	277.32
Feb. 23, 1962	264.67	Feb. 25, 1965	270.93	Jan. 25, 1968	274.87
Apr. 2, 1962	270.47	Mar. 25, 1965	271.83	Feb. 20, 1968	276.70
Apr. 24, 1962	268.87	Apr. 26, 1965	273.70	Feb. 24, 1968	277.23
May 25, 1962	271.14	May 25, 1965	274.97	Mar. 20, 1968	277.77
June 25, 1962	272.32	June 25, 1965	276.37	Mar. 22, 1968	276.01
July 25, 1962	272.25	July 23, 1965	278.18	Apr. 22, 1968	281.17
Aug. 24, 1962	274.74	Aug. 25, 1965	277.40	Apr. 23, 1968	284.83
Sept. 25, 1962	269.59	Sept. 24, 1965	275.94	May 21, 1968	285.03
Oct. 25, 1962	269.10	Oct. 24, 1965	279.21	June 20, 1968	285.89
Nov. 24, 1962	268.19	Nov. 24, 1965	277.85	July 19, 1968	286.22
Dec. 26, 1962	267.93	Dec. 23, 1965	272.03	Aug. 21, 1968	287.83
Jan. 25, 1963	267.43	Jan. 25, 1966	271.33	Sept. 19, 1968	286.33
Feb. 25, 1963	267.95	Feb. 25, 1966	274.03	Oct. 21, 1968	285.88
Mar. 25, 1963	269.29	Mar. 25, 1966	277.25	Nov. 21, 1968	283.57
Apr. 25, 1963	270.58	Apr. 25, 1966	279.49	Dec. 20, 1968	277.53
May 24, 1963	269.61	May 25, 1966	281.14	Jan. 20, 1969	277.32
June 25, 1963	273.20	June 28, 1966	278.42		

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-611—Continued		Well JL-49-13-611—Continued		Well JL-49-13-613—Continued	
Feb. 24, 1969	277.23	Mar. 21, 1972	289.98	May 23, 1956	275.99
Mar. 20, 1969	277.77	Apr. 21, 1972	289.27	June 21, 1956	276.07
Apr. 23, 1969	284.83	May 19, 1972	292.69	July 20, 1956	276.59
May 20, 1969	286.97	June 20, 1972	292.25	Aug. 21, 1956	276.88
June 20, 1969	288.77	July 21, 1972	291.05	Sept. 21, 1956	276.81
July 28, 1969	289.20	Aug. 21, 1972	294.37	Oct. 23, 1956	277.13
Aug. 20, 1969	289.27	Sept. 20, 1972	290.25	Nov. 23, 1956	277.46
Sept. 22, 1969	284.67	Oct. 20, 1972	292.55	Dec. 21, 1956	277.25
Oct. 21, 1969	282.77	Nov. 20, 1972	290.35	Jan. 23, 1957	277.32
Nov. 20, 1969	280.16	Dec. 21, 1972	290.26	Feb. 21, 1957	277.30
Dec. 19, 1969	280.81	Jan. 22, 1973	288.22	Mar. 25, 1957	277.60
Jan. 20, 1970	281.60	Mar. 1, 1973	288.57	Apr. 23, 1957	277.78
Feb. 20, 1970	278.40	Mar. 22, 1973	289.88	May 23, 1957	277.93
Mar. 23, 1970	278.35	Jan. 1974	294.44	June 24, 1957	278.54
Apr. 20, 1970	279.88	Jan. 20, 1975	293.94	July 23, 1957	278.77
May 20, 1970	281.13	Jan. 20, 1976	295.46	Aug. 23, 1957	278.98
June 19, 1970	287.22	Feb. 20, 1976	296.95	Sept. 24, 1957	279.25
July 21, 1970	288.55	Mar. 19, 1976	296.88	Oct. 24, 1957	279.29
Aug. 21, 1970	288.55	Apr. 20, 1976	301.62	Nov. 25, 1957	279.68
Sept. 21, 1970	283.26	May 20, 1976	299.26	Dec. 20, 1957	279.68
Oct. 21, 1970	282.43	June 21, 1976	303.23	Jan. 23, 1958	279.42
Nov. 20, 1970	282.29	July 20, 1976	303.57	Feb. 25, 1958	279.65
Dec. 18, 1970	281.14	Aug. 20, 1976	305.31	Mar. 25, 1958	279.85
Jan. 20, 1971	280.62	Sept. 20, 1976	304.89	Apr. 25, 1958	280.01
Feb. 19, 1971	284.32	Oct. 21, 1976	303.77	May 23, 1958	280.26
Mar. 19, 1971	287.06	Nov. 24, 1976	302.00	June 25, 1958	280.45
Apr. 20, 1971	287.47	Dec. 20, 1976	301.84	July 25, 1958	280.89
May 21, 1971	289.38	Jan. 19, 1977	303.34	Aug. 25, 1958	281.35
June 21, 1971	291.86	Feb. 18, 1977	303.14	Sept. 25, 1958	281.39
July 20, 1971	293.15	Mar. 21, 1977	302.91	Oct. 24, 1958	281.46
Aug. 20, 1971	292.27	Apr. 20, 1977	303.32	Nov. 25, 1958	281.39
Sept. 23, 1971	293.13	May 22, 1977	305.74	Dec. 23, 1958	281.22
Oct. 21, 1971	291.13	June 20, 1977	309.47	Jan. 22, 1959	281.31
Nov. 19, 1971	289.17	July 20, 1977	308.46	Feb. 25, 1959	281.19
Dec. 17, 1971	288.33			Mar. 25, 1959	281.15
Jan. 21, 1972	282.42	Well JL-49-13-613		Apr. 23, 1959	281.95
Feb. 22, 1972	286.77	Owner: City of El Paso		May 25, 1959	281.78
		Mar. 19, 1956	275.75	June 25, 1959	281.89
		Apr. 23, 1956	275.82		

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-613—Continued		Well JL-49-13-613—Continued		Well JL-49-13-613—Continued	
July 24, 1959	282.38	Feb. 25, 1963	290.13	Mar. 25, 1966	297.08
Aug. 25, 1959	282.59	Mar. 25, 1963	290.91	Apr. 25, 1966	299.04
Sept. 25, 1959	282.71	Apr. 24, 1963	292.30	May 25, 1966	300.53
Oct. 26, 1959	283.66	May 24, 1963	293.00	June 28, 1966	300.50
Nov. 25, 1959	283.22	June 24, 1963	294.97	July 25, 1966	303.02
Dec. 24, 1959	283.30	July 25, 1963	295.61	Aug. 25, 1966	300.18
Jan. 25, 1960	283.64	Aug. 26, 1963	294.76	Sept. 23, 1966	300.56
Feb. 26, 1960	282.65	Sept. 24, 1963	293.61	Oct. 25, 1966	299.05
Mar. 25, 1960	283.00	Oct. 25, 1963	292.56	Nov. 25, 1966	298.07
Apr. 7, 1960	283.00	Nov. 26, 1963	292.40	Dec. 23, 1966	299.00
Apr. 25, 1960	283.05	Dec. 24, 1963	292.20	Jan. 25, 1967	298.54
May 25, 1960	283.46	Jan. 24, 1964	291.87	Feb. 24, 1967	299.54
June 24, 1960	283.50	Feb. 25, 1964	291.90	Mar. 24, 1967	300.42
July 28, 1960	284.10	Mar. 25, 1964	292.35	Apr. 25, 1967	301.36
Aug. 25, 1960	268.32	Apr. 24, 1964	294.10	May 28, 1967	302.27
Sept. 26, 1960	268.84	May 25, 1964	296.64	June 26, 1967	302.54
Oct. 25, 1960	269.13	June 25, 1964	297.44	July 25, 1967	303.12
Nov. 25, 1960	269.37	July 27, 1964	297.71	Aug. 25, 1967	303.26
Aug. 18, 1961	289.44	Aug. 28, 1964	297.83	Sept. 25, 1967	302.37
Aug. 25, 1961	290.14	Sept. 25, 1964	295.87	Oct. 25, 1967	302.71
Sept. 25, 1961	289.78	Oct. 23, 1964	295.57	Nov. 22, 1967	302.60
Oct. 25, 1961	289.77	Nov. 25, 1964	294.98	Dec. 22, 1967	300.50
Nov. 24, 1961	288.75	Dec. 24, 1964	294.25	Jan. 25, 1968	300.25
Dec. 26, 1961	288.75	Jan. 25, 1965	296.75	Feb. 20, 1968	301.09
Jan. 26, 1962	288.65	Feb. 25, 1965	294.90	Mar. 22, 1968	300.64
Feb. 23, 1962	288.32	Mar. 25, 1965	296.15	Apr. 22, 1968	302.28
Apr. 2, 1962	289.34	Apr. 26, 1965	296.76	May 22, 1968	307.58
Apr. 24, 1962	290.38	May 25, 1965	298.43	June 20, 1968	312.11
May 25, 1962	292.35	June 25, 1965	299.56	July 19, 1968	311.03
June 25, 1962	293.50	July 23, 1965	302.07	Aug. 21, 1968	311.02
July 25, 1962	292.90	Aug. 25, 1965	299.67	Sept. 19, 1968	306.58
Aug. 24, 1962	294.01	Sept. 24, 1965	298.67	Oct. 21, 1968	304.65
Sept. 25, 1962	292.02	Oct. 25, 1965	297.88	Nov. 20, 1968	303.71
Oct. 25, 1962	291.47	Nov. 24, 1965	297.10	Dec. 20, 1968	304.10
Nov. 24, 1962	290.66	Dec. 23, 1965	295.97	Jan. 20, 1969	307.01
Dec. 26, 1962	290.13	Jan. 25, 1966	296.75	Feb. 24, 1969	307.67
Jan. 25, 1963	291.28	Feb. 25, 1966	296.83	Mar. 20, 1969	308.51

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-613—Continued		Well JL-49-13-622		Well JL-49-13-702—Continued	
Apr. 28, 1969	311.85	Owner: City of El Paso		May 28, 1946	43.70
May 20, 1969	313.53	Jan. 1973	296.96	June 26, 1946	44.60
June 20, 1969	316.35	Jan. 10, 1974	300.81	July 29, 1946	37.20
July 28, 1969	315.89	Dec. 16, 1976	328.49	Aug. 29, 1946	41.60
Aug. 20, 1969	318.33	Well JL-49-13-623		Oct. 30, 1946	33.20
Sept. 22, 1969	313.47	Owner: City of El Paso		Dec. 17, 1946	32.30
Oct. 22, 1969	311.37	Jan. 1973	292.06	Aug. 28, 1947	34.50
Nov. 20, 1969	310.23	Jan. 10, 1974	296.00	Sept. 30, 1947	32.90
Dec. 19, 1969	308.69	Jan. 15, 1976	307.90	Dec. 17, 1947	29.50
Jan. 20, 1970	307.41	Well JL-49-13-701		Jan. 30, 1948	32.60
Feb. 20, 1970	309.44	Owner: El Paso Electric Company		June 16, 1948	34.80
Mar. 23, 1970	309.10	Dec. 30, 1964	42.82	Aug. 31, 1948	35.70
Apr. 20, 1970	309.93	Dec. 27, 1965	40.94	Oct. 26, 1948	30.40
May 20, 1970	316.70	Jan. 10, 1967	39.14	Dec. 29, 1948	28.40
June 19, 1970	315.94	Jan. 3, 1968	39.94	Apr. 27, 1950	35.60
July 21, 1970	319.88	Apr. 30, 1968	37.73	Oct. 26, 1950	31.20
Dec. 21, 1972	313.65	Well JL-49-13-702		Jan. 4, 1951	27.20
Jan. 10, 1974	315.16	Owner: City of El Paso		July 26, 1951	41.40
June 26, 1975	325.47	Feb. 2, 1939	36.70	Oct. 23, 1951	33.90
Jan. 15, 1976	319.27	June 16, 1939	37.50	Jan. 14, 1952	30.30
Dec. 8, 1976	319.58	Nov. 18, 1939	32.67	June 3, 1952	40.80
Jan. 5, 1977	318.81	Nov. 20, 1939	28.50	Jan. 6, 1953	29.60
Well JL-49-13-617		May 24, 1940	36.20	June 3, 1953	42.20
Owner: City of El Paso		June 25, 1940	36.40	Jan. 5, 1954	31.10
May 21, 1968	314.20	Aug. 24, 1942	37.50	June 14, 1954	47.20
Jan. 6, 1969	305.58	Nov. 23, 1943	32.10	Sept. 19, 1955	48.38
Jan. 15, 1970	310.19	Feb. 11, 1944	40.10	Jan. 26, 1956	53.03
Jan. 1971	306.90	Apr. 24, 1944	35.90	Apr. 27, 1956	49.30
Jan. 1972	308.54	July 19, 1944	37.80	Jan. 17, 1957	54.71
Jan. 1973	312.10	Sept. 25, 1944	36.40	Jan. 15, 1958	61.24
Jan. 10, 1974	318.60	Jan. 22, 1945	39.00	Jan. 9, 1959	50.48
Jan. 17, 1975	321.56	Oct. 23, 1945	29.60	Jan. 8, 1960	42.10
Jan. 15, 1976	323.65	Nov. 26, 1945	29.40	July 22, 1960	47.31
Dec. 8, 1976	323.74			Jan. 5, 1961	42.08
				July 5, 1961	49.63

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-702—Continued		Well JL-49-13-704—Continued		Well JL-49-13-704—Continued	
Jan. 23, 1962	41.97	Oct. 15, 1940	36.30	Feb. 21, 1950	61.38
July 2, 1962	50.60	Nov. 18, 1940	35.50	June 22, 1950	65.72
Jan. 4, 1963	43.22	Dec. 11, 1940	34.50	Oct. 26, 1950	28.70
July 1, 1963	54.25	Jan. 11, 1941	34.40	Jan. 4, 1951	23.20
Dec. 31, 1963	48.28	Feb. 11, 1941	36.00	July 26, 1951	40.20
July 2, 1964	62.22	Oct. 21, 1941	34.80	Oct. 23, 1951	31.70
Dec. 30, 1964	55.20	Nov. 17, 1941	34.30	Jan. 14, 1952	27.10
July 24, 1965	64.29	Jan. 21, 1942	34.60	June 3, 1952	39.40
Dec. 27, 1965	52.24	Aug. 24, 1942	35.00	Jan. 6, 1953	26.60
July 8, 1966	56.54	Sept. 22, 1942	34.10	June 3, 1953	61.87
Jan. 12, 1967	50.56	Dec. 23, 1942	29.50	Jan. 5, 1954	28.20
July 6, 1967	56.86	May 22, 1943	37.80	Dec. 30, 1964	53.94
Dec. 27, 1967	99.35	Apr. 24, 1944	32.80	Dec. 27, 1965	50.46
Jan. 22, 1969	93.66	July 25, 1944	32.80	Jan. 10, 1967	48.90
June 19, 1969	102.95	Sept. 26, 1944	32.80	Jan. 3, 1968	66.03
Jan. 21, 1970	100.36	Nov. 20, 1944	29.60	Jan. 22, 1969	65.51
June 23, 1970	69.95	Dec. 27, 1944	31.80	Dec. 9, 1969	65.56
Jan. 1971	102.35	Jan. 22, 1945	36.90	Jan. 1971	73.29
June 18, 1971	73.83	Oct. 23, 1945	26.70	Jan. 1972	79.79
Jan. 17, 1974	107.52	Nov. 26, 1945	29.00	Jan. 17, 1973	85.10
June 4, 1974	89.12	May 1946	59.82	Jan. 18, 1974	89.95
Dec. 15, 1975	97.25	June 1946	40.84	Jan. 16, 1975	89.63
Well JL-49-13-704		July 29, 1946	36.50	Dec. 15, 1975	83.88
Owner: City of El Paso		Aug. 29, 1946	39.70	Dec. 14, 1976	89.07
July 7, 1937	30.10	Oct. 30, 1946	30.70	Well JL-49-13-705	
Sept. 8, 1938	32.50	Dec. 17, 1946	28.70	Owner: Southern Pacific Railroad Company	
May 16, 1939	35.40	Mar. 15, 1947	31.50	— 1941	44.00
Nov. 20, 1939	25.80	June 24, 1947	37.50	Oct. 25, 1965	57.89
Dec. 7, 1939	27.50	Aug. 26, 1947	31.90	Dec. 27, 1967	106.01
Jan. 29, 1940	25.10	Sept. 30, 1947	31.30	June 23, 1976	101.60
Feb. 21, 1940	29.40	Dec. 17, 1947	25.80	Well JL-49-13-708	
Mar. 14, 1940	31.40	Jan. 30, 1948	28.70	Owner: City of El Paso	
Apr. 16, 1940	34.30	June 16, 1948	34.10	Apr. 23, 1933	8.00
May 22, 1940	40.00	Oct. 26, 1948	27.20	Feb. 2, 1938	9.77
June 20, 1940	41.80	Dec. 29, 1948	24.70	Apr. 16, 1938	9.60
Aug. 12, 1940	36.20	July 11, 1949	66.53		

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-708—Continued		Well JL-49-13-708—Continued		Well JL-49-13-708—Continued	
May 20, 1938	9.30	Jan. 21, 1942	10.10	Aug. 27, 1945	17.70
July 17, 1938	12.40	Mar. 12, 1942	11.00	Sept. 27, 1945	16.00
Aug. 17, 1938	11.10	Apr. 13, 1942	12.60	Nov. 27, 1945	14.50
Sept. 15, 1938	10.20	May 19, 1942	10.80	Jan. 16, 1946	13.90
Oct. 24, 1938	9.80	June 16, 1942	12.20	Feb. 1946	25.25
Nov. 18, 1938	9.80	July 21, 1942	11.00	May 28, 1946	16.70
Jan. 24, 1939	24.90	Aug. 24, 1942	10.60	June 26, 1946	15.80
Feb. 20, 1939	10.30	Sept. 21, 1942	10.40	July 29, 1946	17.90
Mar. 21, 1939	11.70	Oct. 20, 1942	10.40	Nov. 26, 1946	17.40
June 16, 1939	12.30	Nov. 20, 1942	10.50	Jan. 15, 1947	16.60
July 15, 1939	11.20	Dec. 23, 1942	11.00	Feb. 26, 1947	15.40
Aug. 16, 1939	10.80	Jan. 18, 1943	10.80	Mar. 25, 1947	17.00
Oct. 11, 1939	10.00	Mar. 25, 1943	12.50	Apr. 25, 1947	18.00
Nov. 20, 1939	10.00	Apr. 27, 1943	12.70	June 24, 1947	20.60
Dec. 11, 1939	10.00	May 19, 1943	12.10	Sept. 30, 1947	19.90
Jan. 29, 1940	10.00	June 15, 1943	11.70	Dec. 1947	24.35
Feb. 21, 1940	9.90	July 27, 1943	14.30	Jan. 30, 1948	20.40
Mar. 17, 1940	11.90	Aug. 20, 1943	15.30	June 29, 1948	20.90
Apr. 15, 1940	12.20	Sept. 27, 1943	14.50	Aug. 31, 1948	21.20
May 25, 1940	12.20	Oct. 18, 1943	13.50	Jan. 24, 1952	17.12
June 14, 1940	15.00	Feb. 12, 1944	13.20	Jan. 6, 1953	15.67
June 26, 1940	14.93	Mar. 28, 1944	14.30	Jan. 5, 1954	18.17
July 16, 1940	12.60	Apr. 24, 1944	13.80	Jan. 27, 1955	26.31
Aug. 8, 1940	11.80	May 24, 1944	15.90	June 8, 1955	33.67
Sept. 11, 1940	11.30	June 21, 1944	17.90	Sept. 19, 1955	30.97
Oct. 15, 1940	11.30	July 21, 1944	17.90	Jan. 26, 1956	31.77
Nov. 18, 1940	11.40	Aug. 23, 1944	16.40	Apr. 27, 1956	32.87
Dec. 11, 1940	11.90	Sept. 23, 1944	14.90	June 25, 1956	34.61
Jan. 11, 1941	11.20	Oct. 23, 1944	14.50	Jan. 18, 1957	39.15
Feb. 11, 1941	11.00	Nov. 20, 1944	14.20	Jan. 16, 1958	42.14
Mar. 11, 1941	11.60	Dec. 27, 1944	13.70	Jan. 23, 1959	30.73
June 16, 1941	10.20	Jan. 27, 1945	14.00	Jan. 8, 1960	26.18
July 11, 1941	10.20	Feb. 26, 1945	16.00	Jan. 5, 1961	24.85
Aug. 20, 1941	10.60	Apr. 23, 1945	14.80	Jan. 23, 1962	25.61
Sept. 17, 1941	10.10	May 22, 1945	16.20	Jan. 4, 1963	23.79
Oct. 21, 1941	9.80	June 25, 1945	17.90	Apr. 8, 1963	25.54
Nov. 17, 1941	9.80	July 23, 1945	17.50	Dec. 31, 1963	24.17

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-708—Continued		Well JL-49-13-711—Continued		Well JL-49-13-713—Continued	
Dec. 30, 1964	30.48	June 3, 1974	87.35	Oct. 22, 1970	38.79
Dec. 27, 1965	29.80	June 23, 1976	103.28	Feb. 3, 1971	43.11
Jan. 10, 1967	30.19			Apr. 9, 1971	43.75
July 17, 1967	33.10	Well JL-49-13-712		July 1, 1971	42.25
Nov. 2, 1967	25.08	Owner: International Boundary and Water Commission		Oct. 13, 1971	42.44
Dec. 28, 1967	25.93	July 20, 1967	18.96	Well JL-49-13-714	
Well JL-49-13-710		July 22, 1967	17.50	Owner: International Boundary and Water Commission	
Owner: City of El Paso		Aug. 18, 1967	17.23	July 19, 1967	26.21
Apr. 9, 1968	43.20	Sept. 13, 1967	17.20	July 21, 1967	25.09
Apr. 30, 1968	43.12	Sept. 19, 1967	17.00	Aug. 22, 1967	24.94
Jan. 22, 1969	134.43	Sept. 22, 1967	17.00	Sept. 13, 1967	24.81
Jan. 21, 1970	104.89	Oct. 16, 1967	17.58	Oct. 16, 1967	25.09
Jan. 1971	152.50	Nov. 17, 1967	17.78	Nov. 17, 1967	25.31
Jan. 1973	159.92	Dec. 26, 1967	17.56	Dec. 26, 1967	25.39
Dec. 13, 1976	119.36	Mar. 5, 1968	17.77	Mar. 5, 1968	25.88
Well JL-49-13-711		July 18, 1968	17.36	July 18, 1968	26.38
Owner: City of El Paso		Well JL-49-13-713		Oct. 18, 1968	25.79
Jan. 27, 1955	35.37	Owner: International Boundary and Water Commission		Feb. 5, 1969	27.55
Jan. 26, 1956	42.02	July 20, 1967	26.99	Apr. 1, 1969	28.99
July 1, 1963	34.61	July 22, 1967	25.93	July 9, 1969	31.65
Dec. 31, 1963	36.17	Aug. 21, 1967	25.34	Oct. 28, 1969	33.37
July 2, 1964	41.13	Sept. 13, 1967	25.11	Jan. 26, 1970	38.69
Dec. 30, 1964	41.83	Oct. 16, 1967	25.58	Apr. 9, 1970	37.75
July 24, 1965	42.05	Nov. 17, 1967	26.10	Well JL-49-13-715	
Dec. 27, 1965	40.56	Dec. 26, 1967	26.57	Owner: International Boundary and Water Commission	
July 8, 1966	36.35	Mar. 5, 1968	28.06	July 19, 1967	29.08
Mar. 5, 1968	36.00	July 18, 1968	25.65	July 22, 1967	21.37
Apr. 30, 1968	35.40	Oct. 18, 1968	25.70	July 24, 1967	21.34
Jan. 22, 1969	160.69	Feb. 5, 1969	29.86	Aug. 18, 1967	21.31
June 19, 1969	155.27	Apr. 1, 1969	32.20	Sept. 13, 1967	21.21
Jan. 21, 1970	157.50	July 9, 1969	33.44	Oct. 16, 1967	21.28
June 23, 1970	52.70	Oct. 28, 1969	33.86	Nov. 17, 1967	21.34
Jan. 1971	169.86	Jan. 26, 1970	38.31	Dec. 26, 1967	21.37
June 17, 1971	60.87	Apr. 9, 1970	40.81	Mar. 5, 1968	21.59
Jan. 18, 1974	180.59	July 14, 1970	39.33		

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-715—Continued		Well JL-49-13-801—Continued		Well JL-49-13-801—Continued	
July 18, 1968	21.65	Nov. 9, 1936	24.40	Sept. 21, 1942	33.40
Oct. 18, 1968	21.39	Dec. 14, 1936	23.30	Oct. 20, 1942	32.40
Feb. 5, 1969	22.36	Jan. 18, 1937	23.30	Dec. 23, 1942	28.10
Apr. 1, 1969	22.69	Feb. 22, 1937	25.00	Jan. 18, 1943	29.80
July 9, 1969	23.80	Mar. 16, 1937	25.20	Sept. 27, 1943	37.00
Oct. 28, 1969	24.57	Aug. 23, 1937	36.30	Oct. 18, 1943	40.00
Jan. 26, 1970	25.76	Sept. 15, 1937	33.70	Nov. 22, 1943	29.50
Apr. 9, 1970	27.46	Oct. 13, 1937	31.90	Apr. 24, 1944	31.40
July 14, 1970	27.58	Nov. 16, 1937	31.00	July 19, 1944	35.50
Oct. 22, 1970	28.43	Dec. 20, 1937	31.00	Sept. 27, 1944	30.20
Feb. 3, 1971	29.77	Jan. 14, 1938	30.10	Nov. 20, 1944	30.00
Apr. 9, 1971	30.66	Feb. 14, 1938	30.30	Dec. 26, 1944	28.60
July 12, 1971	31.47	Mar. 15, 1938	28.80	Mar. 29, 1945	30.50
Jan. 21, 1972	33.70	Apr. 15, 1938	32.00	Oct. 23, 1945	26.20
Apr. 28, 1972	35.13	May 16, 1938	34.30	Nov. 26, 1945	24.40
June 29, 1972	36.10	July 13, 1938	33.60	Aug. 29, 1946	40.60
Sept. 14, 1972	37.14	Dec. 14, 1938	30.30	Oct. 30, 1946	30.50
Jan. 25, 1973	38.62	Jan. 24, 1939	30.20	Dec. 17, 1946	27.90
Jan. 1974	41.55	Feb. 1, 1939	35.20	Mar. 25, 1947	29.80
Oct. 1, 1974	43.21	Mar. 14, 1939	28.40	Apr. 25, 1947	30.40
Dec. 9, 1974	43.48	July 17, 1939	38.60	Aug. 26, 1947	31.70
July 2, 1975	44.23	Aug. 14, 1939	37.60	Sept. 30, 1947	30.20
		Oct. 11, 1939	35.90	Dec. 17, 1947	24.50
		Nov. 20, 1939	28.20	Jan. 19, 1948	34.00
		Dec. 30, 1939	25.90	Oct. 26, 1948	26.00
		Jan. 29, 1940	25.40	Dec. 29, 1948	23.20
		Feb. 21, 1940	28.60	Apr. 27, 1950	34.40
		Mar. 14, 1940	31.10	Oct. 26, 1950	28.80
		Apr. 15, 1940	34.20	Jan. 4, 1951	22.60
		June 17, 1940	45.30	July 26, 1951	42.70
		July 23, 1940	37.30	Oct. 23, 1951	34.40
		Aug. 14, 1940	35.60	Jan. 14, 1952	27.00
		Apr. 13, 1942	33.10	June 3, 1952	39.80
		June 16, 1942	38.30	Jan. 6, 1953	35.80
		July 21, 1942	44.20	June 3, 1953	14.15
		Aug. 24, 1942	35.00	Jan. 5, 1954	28.23
Well JL-49-13-801					
Owner: City of El Paso					
— 1932	25.00				
Dec. 22, 1934	21.10				
Sept. 11, 1935	24.90				
Nov. 6, 1935	23.90				
Dec. 11, 1935	23.60				
Jan. 13, 1936	24.00				
Feb. 13, 1936	24.40				
Mar. 16, 1936	25.90				
Apr. 8, 1936	24.60				
Aug. 17, 1936	25.40				
Sept. 14, 1936	22.80				
Oct. 19, 1936	22.70				

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-801—Continued		Well JL-49-13-804		Well JL-49-13-804—Continued	
June 8, 1955	74.00	Owner: City of El Paso		Mar. 28, 1944	73.60
Jan. 17, 1957	46.15	Jan. 18, 1924	82.00	Apr. 24, 1944	72.80
Jan. 16, 1958	57.71	Nov. 19, 1934	80.80	May 24, 1944	74.90
Jan. 17, 1958	53.89	Aug. 19, 1935	81.20	June 21, 1944	80.60
Jan. 9, 1959	42.93	May 6, 1937	84.40	July 21, 1944	79.40
Jan. 8, 1960	38.55	Oct. 13, 1937	78.50	Aug. 31, 1944	75.50
July 22, 1960	46.53	Sept. 21, 1938	77.90	Sept. 26, 1944	71.90
Jan. 5, 1961	38.87	Nov. 21, 1938	70.00	Oct. 23, 1944	76.90
July 5, 1961	50.98	Mar. 14, 1939	73.00	Nov. 20, 1944	71.00
Jan. 23, 1962	39.03	Apr. 18, 1939	76.80	Dec. 20, 1944	71.00
July 2, 1962	51.34	Sept. 26, 1939	78.00	Jan. 23, 1945	73.90
Dec. 31, 1962	42.22	Oct. 14, 1939	75.10	Feb. 26, 1945	75.40
July 1, 1963	56.33	Nov. 21, 1939	69.40	Mar. 29, 1945	71.40
Dec. 31, 1963	46.93	Dec. 15, 1939	75.40	Apr. 24, 1945	72.40
July 2, 1964	65.83	Nov. 19, 1940	73.60	Aug. 27, 1945	82.80
July 24, 1965	68.22	Dec. 11, 1940	72.50	Sept. 29, 1945	84.00
Dec. 28, 1965	51.64	Jan. 14, 1941	73.30	Oct. 23, 1945	71.60
July 8, 1966	57.77	Feb. 10, 1941	73.70	Nov. 27, 1945	68.20
Jan. 10, 1967	50.38	Mar. 10, 1941	78.90	Dec. 26, 1945	72.10
July 6, 1967	58.33	Sept. 17, 1941	80.40	Jan. 24, 1946	75.40
Dec. 27, 1967	62.35	Oct. 22, 1941	74.30	Feb. 26, 1946	76.30
July 16, 1968	72.40	Nov. 18, 1941	73.30	Nov. 25, 1946	73.30
Jan. 22, 1969	63.59	Jan. 21, 1942	73.20	Dec. 17, 1946	71.60
June 19, 1969	76.41	Mar. 12, 1942	71.70	Jan. 13, 1947	72.80
Dec. 9, 1969	67.08	Apr. 14, 1942	72.80	Feb. 25, 1947	75.60
June 23, 1970	72.20	Sept. 22, 1942	74.90	Mar. 24, 1947	71.30
Jan. 1971	72.08	Oct. 20, 1942	72.50	Dec. 17, 1947	69.20
June 18, 1971	74.89	Nov. 21, 1972	71.70	Jan. 9, 1948	71.80
Jan. 1972	78.31	Dec. 23, 1942	70.80	Mar. 18, 1948	69.30
Jan. 1973	83.46	Jan. 19, 1943	70.50	Nov. 3, 1948	70.70
Jan. 18, 1974	88.70	Mar. 23, 1943	76.10	Dec. 20, 1948	69.80
June 4, 1974	89.86	Sept. 27, 1943	78.90	Oct. 26, 1950	74.50
Jan. 16, 1975	88.54	Oct. 20, 1943	76.10	Feb. 22, 1951	71.80
June 23, 1976	98.70	Nov. 23, 1943	71.60	Jan. 14, 1952	72.50
Dec. 14, 1976	99.78	Feb. 23, 1944	73.90	Mar. 12, 1952	70.70

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-804—Continued		Well JL-49-13-804—Continued		Well JL-49-13-806—Continued	
Dec. 17, 1952	49.50	Jan. 17, 1973	120.60	Nov. 20, 1942	28.10
Jan. 28, 1953	33.10	Jan. 18, 1974	124.61	Dec. 23, 1942	27.40
Feb. 11, 1953	29.30	May 4, 1974	133.32	Jan. 17, 1943	26.90
Mar. 2, 1953	26.70	Jan. 16, 1975	125.38	Mar. 23, 1943	31.80
Jan. 5, 1954	74.80	Dec. 15, 1975	130.99	Sept. 27, 1943	34.30
Jan. 27, 1955	89.43	June 24, 1976	138.98	Oct. 18, 1943	33.50
June 8, 1955	151.80	Dec. 14, 1976	135.34	Nov. 22, 1943	28.60
Jan. 27, 1956	93.23			Feb. 11, 1944	33.00
Jan. 16, 1957	88.15	Well JL-49-13-806		Mar. 22, 1944	30.40
Jan. 9, 1959	87.04	Owner: City of El Paso		Apr. 24, 1944	31.40
Jan. 20, 1959	97.68	Feb. 28, 1940	32.20	May 24, 1944	35.00
June 16, 1959	144.23	Mar. 1, 1940	47.30	July 19, 1944	32.90
Jan. 7, 1960	85.30	Apr. 10, 1940	37.30	Sept. 26, 1944	27.60
July 19, 1960	97.40	May 24, 1940	36.30	Oct. 23, 1944	32.90
Jan. 6, 1961	85.20	June 25, 1940	36.40	Dec. 20, 1944	25.90
July 5, 1961	147.85	July 16, 1940	38.10	Jan. 22, 1945	31.40
Jan. 26, 1962	86.55	Aug. 14, 1940	36.10	Feb. 26, 1945	32.00
July 2, 1962	147.87	Sept. 11, 1940	39.30	Mar. 29, 1945	28.50
Dec. 31, 1962	89.28	Oct. 16, 1940	34.50	Apr. 23, 1945	30.20
July 1, 1963	148.60	Nov. 18, 1940	30.60	May 24, 1945	38.60
Dec. 31, 1963	93.48	Dec. 11, 1940	29.40	June 23, 1945	39.90
Mar. 27, 1964	96.42	Jan. 22, 1941	29.70	Aug. 25, 1945	36.60
July 2, 1964	148.72	Feb. 10, 1941	30.50	Oct. 23, 1945	26.20
July 27, 1965	146.88	Mar. 11, 1941	33.40	Nov. 26, 1945	23.80
Dec. 20, 1965	98.33	Apr. 16, 1941	36.40	Dec. 27, 1945	29.70
July 8, 1966	107.10	Aug. 18, 1941	39.90	Jan. 16, 1946	33.40
Jan. 10, 1967	96.90	Sept. 17, 1941	35.20	Feb. 26, 1946	34.70
July 6, 1967	107.80	Oct. 21, 1941	30.40	May 28, 1946	35.40
Dec. 27, 1967	104.40	Nov. 17, 1941	29.80	July 29, 1946	39.10
July 16, 1968	116.82	Jan. 21, 1942	29.90	Aug. 29, 1946	41.30
Jan. 16, 1969	104.84	Mar. 12, 1942	28.10	Sept. 25, 1946	39.20
June 19, 1969	119.64	Apr. 13, 1942	29.40	Oct. 30, 1946	33.50
Jan. 21, 1970	112.18	June 16, 1942	41.90	Nov. 26, 1946	31.70
June 23, 1970	119.38	July 21, 1942	40.80	Dec. 17, 1946	27.80
Jan. 1971	110.17	Aug. 24, 1942	34.40	Jan. 14, 1947	31.20
June 18, 1971	120.41	Sept. 22, 1942	30.60	Feb. 26, 1947	33.40
Jan. 1972	116.44	Oct. 20, 1942	28.70	Mar. 25, 1947	28.30

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-806—Continued		Well JL-49-13-806—Continued		Well JL-49-13-807—Continued	
June 24, 1947	35.60	Dec. 31, 1962	43.24	May 13, 1937	152.70
July 28, 1947	38.60	Dec. 31, 1963	46.92	June 14, 1937	154.00
Aug. 26, 1947	34.20	Dec. 30, 1964	58.80	July 6, 1937	145.40
Sept. 30, 1947	31.20	Mar. 16, 1965	63.02	Aug. 12, 1937	156.60
Dec. 17, 1947	25.20	Dec. 20, 1965	52.30	Sept. 15, 1937	145.80
Jan. 9, 1948	28.10	Jan. 10, 1967	51.20	Oct. 15, 1937	140.70
Mar. 18, 1948	25.10	Jan. 17, 1968	59.02	Nov. 15, 1937	142.70
Oct. 26, 1948	26.80	Jan. 16, 1969	59.99	Dec. 23, 1937	139.40
Dec. 20, 1948	25.80	Jan. 21, 1970	67.46	Jan. 14, 1938	138.20
May 24, 1949	24.60	Jan. 1971	66.40	Feb. 14, 1938	141.40
Feb. 10, 1950	37.80	Jan. 1972	72.93	Mar. 15, 1938	139.20
Apr. 27, 1950	35.80	Jan. 17, 1973	77.22	Apr. 16, 1938	143.20
Oct. 31, 1950	28.50	Jan. 18, 1974	81.30	May 16, 1938	154.50
Nov. 22, 1950	26.80	Jan. 16, 1975	81.67	June 14, 1938	149.80
Apr. 23, 1951	36.40	Dec. 15, 1975	87.57	July 13, 1938	145.20
Oct. 23, 1951	35.01	Dec. 9, 1976	92.26	Aug. 16, 1938	147.10
Jan. 11, 1952	27.89			Sept. 21, 1938	140.50
Jan. 12, 1952	27.88	Well JL-49-13-807		Oct. 19, 1938	141.00
Jan. 13, 1952	28.04	Owner: Loretto College		Nov. 21, 1938	135.90
Jan. 17, 1952	28.30	Nov. 11, 1935	145.80	Dec. 14, 1938	137.70
Mar. 11, 1952	25.87	Dec. 12, 1935	145.40	Jan. 25, 1939	137.90
Mar. 12, 1952	26.14	Jan. 14, 1936	145.70	Feb. 20, 1939	138.60
Mar. 13, 1952	26.34	Feb. 13, 1936	146.40	Mar. 14, 1939	137.20
Mar. 19, 1952	29.31	Mar. 16, 1936	147.70	Apr. 18, 1939	139.90
June 3, 1952	39.28	Apr. 18, 1936	147.00	May 16, 1939	144.70
June 23, 1952	33.40	May 14, 1936	148.40	June 19, 1939	147.80
Jan. 5, 1953	25.80	June 12, 1936	150.20	July 17, 1939	148.80
Jan. 6, 1953	25.79	July 14, 1936	146.90	Aug. 15, 1939	147.10
Jan. 5, 1954	29.87	Aug. 17, 1936	150.00	Oct. 14, 1939	138.70
June 8, 1955	74.90	Sept. 14, 1936	147.30	Nov. 21, 1939	134.40
Jan. 27, 1956	47.93	Oct. 20, 1936	146.90	Dec. 30, 1939	136.30
Jan. 17, 1957	44.22	Nov. 9, 1936	137.50	Jan. 30, 1940	137.20
Jan. 15, 1958	52.61	Dec. 19, 1936	135.20	Feb. 23, 1940	139.40
Jan. 9, 1959	42.76	Jan. 19, 1937	145.20	Mar. 18, 1940	143.30
Jan. 8, 1960	41.14	Feb. 22, 1937	147.00	Apr. 16, 1940	146.30
Jan. 5, 1961	40.00	Mar. 16, 1937	146.70	May 22, 1940	146.40
Jan. 23, 1962	41.07	Apr. 15, 1937	147.30	June 24, 1940	148.50

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-807—Continued		Well JL-49-13-807—Continued		Well JL-49-13-807—Continued	
July 17, 1940	148.70	Mar. 28, 1944	138.90	Jan. 9, 1948	135.30
Aug. 20, 1940	147.30	Apr. 24, 1944	139.70	Feb. 6, 1948	134.60
Sept. 17, 1940	148.10	May 24, 1944	140.50	Mar. 18, 1948	133.30
Oct. 17, 1940	141.90	June 22, 1944	145.80	June 28, 1948	148.70
Nov. 19, 1940	137.10	July 19, 1944	145.70	Aug. 27, 1948	147.60
Dec. 16, 1940	135.70	Aug. 30, 1944	140.30	Sept. 27, 1948	142.80
Jan. 14, 1941	136.50	Sept. 26, 1944	137.20	Oct. 26, 1948	136.10
Feb. 10, 1941	137.40	Oct. 23, 1944	141.40	Dec. 29, 1948	131.50
Mar. 10, 1941	142.60	Nov. 20, 1944	136.80	Mar. 25, 1949	136.40
Apr. 16, 1941	147.00	Dec. 21, 1944	135.80	Apr. 3, 1949	136.30
June 18, 1941	152.10	Jan. 23, 1945	138.20	June 30, 1949	149.70
July 10, 1941	148.10	Feb. 26, 1945	139.60	July 1, 1949	151.90
Aug. 18, 1941	148.10	Mar. 28, 1945	136.40	June 22, 1950	150.60
Sept. 17, 1941	144.20	Apr. 24, 1945	137.90	Sept. 19, 1950	146.20
Oct. 22, 1941	139.70	May 31, 1945	150.60	Oct. 31, 1950	138.50
Nov. 18, 1941	138.40	June 23, 1945	151.50	Nov. 30, 1950	134.10
Jan. 21, 1942	138.00	July 27, 1945	151.60	Dec. 31, 1950	131.40
Mar. 12, 1942	137.00	Sept. 29, 1945	147.60	Jan. 18, 1951	130.80
Apr. 14, 1942	139.90	Oct. 23, 1945	147.00	Feb. 5, 1951	131.20
May 19, 1942	143.80	Nov. 27, 1945	134.00	Mar. 1, 1951	133.90
June 17, 1942	152.30	Jan. 24, 1946	138.60	Apr. 2, 1951	142.80
July 22, 1942	151.40	Feb. 1946	143.31	May 1, 1951	145.30
Aug. 24, 1942	144.50	May 28, 1946	143.40	July 29, 1951	151.60
Sept. 22, 1942	140.40	June 27, 1946	150.90	Jan. 9, 1952	133.80
Oct. 20, 1942	138.50	July 29, 1946	148.10	Mar. 14, 1952	135.30
Nov. 21, 1942	138.80	Aug. 29, 1946	150.70	Apr. 28, 1952	144.30
Dec. 23, 1942	137.90	Sept. 25, 1946	149.20	May 1, 1952	146.00
Jan. 19, 1943	137.10	Oct. 29, 1946	145.30	June 4, 1952	148.20
Mar. 23, 1943	141.70	Nov. 25, 1946	137.60	July 13, 1952	149.50
Apr. 26, 1943	150.20	Dec. 17, 1946	136.40	Aug. 1, 1952	152.20
June 17, 1943	152.70	Jan. 13, 1947	136.80	Sept. 27, 1952	149.40
July 21, 1943	152.30	Feb. 25, 1947	139.30	Oct. 31, 1952	145.30
Aug. 26, 1943	152.70	Mar. 25, 1947	135.80	Nov. 30, 1952	139.30
Sept. 27, 1943	144.80	June 23, 1947	143.60	Dec. 31, 1952	135.40
Oct. 20, 1943	141.80	Aug. 29, 1947	146.30	Jan. 5, 1953	134.50
Nov. 23, 1943	138.50	Sept. 29, 1947	141.70	Feb. 5, 1953	134.90
Feb. 23, 1944	138.20	Dec. 17, 1947	132.80	Mar. 5, 1953	134.40

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-807—Continued		Well JL-49-13-807—Continued		Well JL-49-13-808—Continued	
Apr. 1, 1953	138.80	July 27, 1965	181.35	Sept. 22, 1942	22.00
May 8, 1953	142.40	Dec. 27, 1965	159.10	Oct. 20, 1942	20.70
June 1, 1953	150.70	July 8, 1966	169.52	Nov. 20, 1942	20.32
July 1, 1953	155.90	Jan. 10, 1967	158.95	Dec. 23, 1942	19.87
Aug. 23, 1953	153.80	July 6, 1967	170.46	Jan. 18, 1943	19.41
Sept. 25, 1953	146.60	Jan. 3, 1968	162.80	Mar. 23, 1943	22.50
Oct. 31, 1953	142.00	July 16, 1968	177.17	Apr. 27, 1943	27.55
Nov. 30, 1953	140.20	Jan. 29, 1970	172.61	May 19, 1943	28.93
Dec. 14, 1953	139.60	Feb. 18, 1971	173.43	June 16, 1943	29.38
Jan. 25, 1954	139.00	Jan. 20, 1972	176.26	July 26, 1943	28.87
Jan. 28, 1954	137.40	Jan. 20, 1975	182.42	Aug. 19, 1943	29.24
Feb. 1, 1954	142.90	Dec. 22, 1975	187.58	Sept. 27, 1943	24.45
Mar. 1, 1954	152.10	Jan. 5, 1977	192.65	Oct. 18, 1943	23.87
Apr. 26, 1954	153.40			Nov. 22, 1943	20.05
May 27, 1954	151.80	Well JL-49-13-808		Feb. 11, 1944	22.75
June 1, 1954	152.30	Owner: City of El Paso		Mar. 22, 1944	22.15
July 26, 1954	153.90	Sept. 20, 1940	27.16	Apr. 24, 1944	20.50
Aug. 29, 1954	153.80	Nov. 18, 1940	22.87	May 24, 1944	22.53
Sept. 7, 1954	153.30	Dec. 11, 1940	22.07	June 22, 1944	24.74
Oct. 16, 1954	151.60	Jan. 14, 1941	22.48	July 19, 1944	24.01
Nov. 15, 1954	153.82	Jan. 22, 1941	22.34	Aug. 31, 1944	22.76
Dec. 20, 1954	150.90	Feb. 10, 1941	22.94	Sept. 26, 1944	20.09
Jan. 28, 1955	150.14	Mar. 11, 1941	24.48	Oct. 23, 1944	23.60
Jan. 16, 1957	150.65	Apr. 16, 1941	25.91	Nov. 20, 1944	19.72
Jan. 20, 1958	158.03	June 19, 1941	30.18	Dec. 20, 1944	19.73
Jan. 9, 1959	152.32	July 10, 1941	20.40	Jan. 22, 1945	21.86
June 22, 1959	163.00	Aug. 18, 1941	29.17	Feb. 26, 1945	23.25
Jan. 8, 1960	148.25	Sept. 17, 1941	25.34	Mar. 29, 1945	20.22
Jan. 5, 1961	149.80	Oct. 21, 1941	22.22	Apr. 23, 1945	21.00
July 5, 1961	167.98	Nov. 17, 1941	21.79	May 24, 1945	25.59
Jan. 23, 1962	152.24	Jan. 21, 1942	21.75	June 23, 1945	27.24
July 5, 1962	170.64	Mar. 12, 1942	20.30	July 26, 1945	28.17
Jan. 4, 1963	151.70	Apr. 13, 1942	21.34	Aug. 25, 1945	26.40
July 1, 1963	172.13	May 18, 1942	24.90	Sept. 27, 1945	26.50
Dec. 31, 1963	155.13	June 16, 1942	28.30	Oct. 23, 1945	19.70
July 7, 1964	178.25	July 21, 1942	27.92	Nov. 26, 1945	18.30
Dec. 30, 1964	166.13	Aug. 24, 1942	23.90	Dec. 27, 1945	21.40

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-808—Continued		Well JL-49-13-808—Continued		Well JL-49-13-808—Continued	
Jan. 16, 1946	22.80	Oct. 21, 1949	22.66	Oct. 25, 1952	26.37
Feb. 16, 1946	23.76	Nov. 21, 1949	26.89	Nov. 21, 1952	23.27
May 28, 1946	24.31	Dec. 19, 1949	25.18	Dec. 20, 1952	21.89
June 26, 1946	27.82	Jan. 20, 1950	24.53	Jan. 6, 1953	20.79
July 29, 1946	24.81	Feb. 20, 1950	27.54	Jan. 24, 1953	20.89
Aug. 29, 1946	27.50	Mar. 21, 1950	30.27	Feb. 25, 1953	20.77
Sept. 25, 1946	26.66	Apr. 22, 1950	25.33	Mar. 23, 1953	21.59
Oct. 30, 1946	22.66	May 18, 1950	25.61	Apr. 22, 1953	24.00
Nov. 26, 1946	22.21	June 20, 1950	29.86	May 23, 1953	27.00
Dec. 17, 1946	21.02	July 21, 1950	25.36	June 23, 1953	32.20
Jan. 14, 1947	22.27	Aug. 18, 1950	28.32	July 24, 1953	32.16
Feb. 26, 1947	24.00	Sept. 18, 1950	25.61	Aug. 23, 1953	32.04
Mar. 25, 1947	21.00	Oct. 20, 1950	22.72	Sept. 23, 1953	26.79
Apr. 25, 1947	21.19	Nov. 21, 1950	19.75	Oct. 23, 1953	25.15
June 24, 1947	25.00	Dec. 22, 1950	18.20	Nov. 23, 1953	23.50
July 28, 1947	25.80	Jan. 22, 1951	17.63	Dec. 23, 1953	23.44
Aug. 26, 1947	23.17	Feb. 23, 1951	18.00	Jan. 5, 1954	23.20
Sept. 29, 1947	22.65	Mar. 23, 1951	24.10	Jan. 21, 1954	23.28
Dec. 17, 1947	18.75	Apr. 23, 1951	25.40	Feb. 23, 1954	31.34
Jan. 9, 1948	29.70	May 23, 1951	30.37	Mar. 23, 1954	33.72
Mar. 18, 1948	18.88	June 23, 1951	32.17	Apr. 19, 1954	32.03
June 28, 1948	27.60	July 23, 1951	31.49	May 21, 1954	31.00
July 27, 1948	26.13	Aug. 22, 1951	30.51	June 22, 1954	34.71
Aug. 26, 1948	24.84	Sept. 9, 1951	26.44	July 21, 1954	33.61
Sept. 27, 1948	22.46	Oct. 22, 1951	24.91	Aug. 19, 1954	34.23
Oct. 26, 1948	20.00	Nov. 23, 1951	24.52	Sept. 21, 1954	36.00
Nov. 29, 1948	19.36	Dec. 17, 1951	22.56	Oct. 21, 1954	32.75
Dec. 28, 1948	18.00	Jan. 14, 1952	21.40	Nov. 19, 1954	36.41
Jan. 31, 1949	24.12	Jan. 22, 1952	20.79	Dec. 20, 1954	35.34
Feb. 25, 1949	20.10	Feb. 21, 1952	20.12	Jan. 22, 1955	34.28
Mar. 26, 1949	20.14	Mar. 24, 1952	23.75	Feb. 21, 1955	35.64
Apr. 20, 1949	20.50	Apr. 22, 1952	27.36	Mar. 21, 1955	38.58
May 24, 1949	23.30	May 22, 1952	31.09	Apr. 20, 1955	37.96
June 26, 1949	29.44	June 23, 1952	32.08	May 20, 1955	39.84
July 21, 1949	28.82	July 19, 1952	28.62	June 20, 1955	42.91
Aug. 22, 1949	28.00	Aug. 23, 1952	29.72	July 25, 1955	39.04
Sept. 21, 1949	21.39	Sept. 22, 1952	30.66	Aug. 20, 1955	41.64

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-808—Continued		Well JL-49-13-808—Continued		Well JL-49-13-808—Continued	
Sept. 20, 1955	39.44	Oct. 24, 1958	35.78	Nov. 24, 1961	33.85
Oct. 20, 1955	35.11	Nov. 25, 1958	35.22	Dec. 26, 1961	32.63
Nov. 21, 1955	36.96	Dec. 23, 1958	35.15	Jan. 25, 1962	32.66
Dec. 20, 1955	38.74	Jan. 23, 1959	34.57	Feb. 23, 1962	32.38
Jan. 20, 1956	38.50	Feb. 25, 1959	35.80	Apr. 2, 1962	35.09
Feb. 21, 1956	29.37	Mar. 25, 1959	36.14	Apr. 24, 1962	37.04
Mar. 19, 1956	39.95	Apr. 23, 1959	36.96	May 25, 1962	42.14
Apr. 23, 1956	36.09	May 25, 1959	37.50	June 25, 1962	44.18
May 23, 1956	43.95	June 25, 1959	40.99	July 25, 1962	43.50
June 21, 1956	47.06	July 24, 1959	42.98	Aug. 24, 1962	44.74
July 20, 1956	48.68	Aug. 25, 1959	40.67	Sept. 25, 1962	39.87
Aug. 21, 1956	45.22	Sept. 25, 1959	39.62	Oct. 25, 1962	37.96
Sept. 21, 1956	46.73	Oct. 26, 1959	35.60	Nov. 24, 1962	35.26
Oct. 21, 1956	43.06	Nov. 25, 1959	34.59	Dec. 26, 1962	35.76
Nov. 23, 1956	39.64	Dec. 28, 1959	32.46	Jan. 25, 1963	37.00
Dec. 21, 1956	37.79	Jan. 25, 1960	31.75	Feb. 25, 1963	34.55
Jan. 23, 1957	37.07	Feb. 26, 1960	32.54	Mar. 25, 1963	36.13
Feb. 21, 1957	36.80	Mar. 25, 1960	33.55	Apr. 25, 1963	38.90
Mar. 25, 1957	40.13	Apr. 26, 1960	33.50	May 24, 1963	43.00
Apr. 23, 1957	43.37	May 25, 1960	38.95	June 25, 1963	48.70
May 23, 1957	44.28	June 27, 1960	44.20	July 25, 1963	49.94
June 24, 1957	48.02	July 25, 1960	40.35	Aug. 26, 1963	43.40
July 23, 1957	46.06	Aug. 25, 1960	41.97	Sept. 24, 1963	48.00
Aug. 23, 1957	42.59	Sept. 26, 1960	40.45	Oct. 25, 1963	44.53
Sept. 24, 1957	41.00	Oct. 25, 1960	37.14	Nov. 26, 1963	41.29
Oct. 25, 1957	40.89	Nov. 25, 1960	33.53	Dec. 24, 1963	38.27
Nov. 25, 1957	38.37	Dec. 23, 1960	32.32	Jan. 25, 1964	38.19
Dec. 20, 1957	41.20	Jan. 25, 1961	31.54	Feb. 25, 1964	38.25
Jan. 24, 1958	41.38	Feb. 24, 1961	33.26	Mar. 25, 1964	41.70
Feb. 25, 1958	45.28	Mar. 24, 1961	36.25	Apr. 24, 1964	46.55
Mar. 25, 1958	40.90	Apr. 26, 1961	39.15	May 25, 1964	54.39
Apr. 25, 1958	38.91	May 25, 1961	43.33	June 25, 1964	58.00
May 23, 1958	39.55	June 23, 1961	44.53	July 27, 1964	57.52
June 25, 1958	47.80	July 25, 1961	45.15	Aug. 27, 1964	55.38
July 25, 1958	48.09	Aug. 25, 1961	42.58	Sept. 25, 1964	50.25
Aug. 25, 1958	41.83	Sept. 25, 1961	41.78	Oct. 23, 1964	50.14
Sept. 25, 1958	38.32	Oct. 25, 1961	40.51	Nov. 25, 1964	39.43

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-808—Continued		Well JL-49-13-808—Continued		Well JL-49-13-808—Continued	
Dec. 24, 1964	47.37	Jan. 25, 1968	30.28	Feb. 19, 1971	43.67
Jan. 25, 1965	47.35	Feb. 20, 1968	30.20	Mar. 19, 1971	42.44
Feb. 25, 1965	46.42	Mar. 22, 1968	31.14	Apr. 20, 1971	43.33
Mar. 25, 1965	47.75	Apr. 22, 1968	31.78	May 21, 1971	44.69
Apr. 26, 1965	50.66	May 22, 1968	33.43	June 21, 1971	46.97
May 25, 1965	57.28	June 20, 1968	34.62	July 20, 1971	51.46
June 25, 1965	58.96	July 19, 1968	33.98	Aug. 20, 1971	52.82
July 23, 1965	61.47	Aug. 21, 1968	32.00	Sept. 23, 1971	56.12
Aug. 25, 1965	56.64	Sept. 19, 1968	29.40	Oct. 21, 1971	54.12
Sept. 24, 1965	51.28	Oct. 21, 1968	30.27	Nov. 19, 1971	53.27
Oct. 24, 1965	47.17	Nov. 20, 1968	30.33	Dec. 17, 1971	51.53
Nov. 24, 1965	45.66	Dec. 20, 1968	30.20	Jan. 21, 1972	51.59
Dec. 23, 1965	44.91	Jan. 20, 1969	30.95	Feb. 23, 1972	54.29
Jan. 25, 1966	44.29	Feb. 24, 1969	31.98	Mar. 21, 1972	59.08
Feb. 25, 1966	44.78	Mar. 20, 1969	31.65	Apr. 21, 1972	63.33
Mar. 25, 1966	48.73	Apr. 23, 1969	35.04	May 19, 1972	68.11
Apr. 25, 1966	50.42	May 20, 1969	36.22	June 20, 1972	66.87
May 25, 1966	52.16	June 20, 1969	38.18	July 21, 1972	74.90
June 28, 1966	52.66	July 28, 1969	37.20	Aug. 21, 1972	75.85
July 25, 1966	52.98	Aug. 20, 1969	37.72	Sept. 20, 1972	71.88
Aug. 25, 1966	47.85	Sept. 22, 1969	36.19	Oct. 24, 1972	75.33
Sept. 25, 1966	41.32	Oct. 21, 1969	39.18	Nov. 20, 1972	71.05
Oct. 25, 1966	39.53	Nov. 20, 1969	38.70	Dec. 21, 1972	72.00
Nov. 25, 1966	38.14	Dec. 19, 1969	38.89	Jan. 22, 1973	64.25
Dec. 23, 1966	37.11	Jan. 20, 1970	37.21	Mar. 1, 1973	72.02
Jan. 25, 1967	35.83	Feb. 20, 1970	38.65	Mar. 22, 1973	74.50
Feb. 24, 1967	36.85	Mar. 23, 1970	39.20	Jan. 1974	44.32
Mar. 24, 1967	36.74	Apr. 20, 1970	39.93	Oct. 1, 1974	41.20
Apr. 25, 1967	36.73	May 20, 1970	40.85	Jan. 20, 1975	44.19
May 25, 1967	38.71	June 14, 1970	45.28	Jan. 20, 1976	46.95
June 26, 1967	38.53	July 21, 1970	49.13	Feb. 20, 1976	47.46
July 25, 1967	36.09	Aug. 21, 1970	43.00	Mar. 19, 1976	48.60
Aug. 25, 1967	35.95	Sept. 21, 1970	42.80	Apr. 20, 1976	49.48
Sept. 25, 1967	33.80	Oct. 21, 1970	42.65	May 20, 1976	49.64
Oct. 25, 1967	34.02	Nov. 20, 1970	43.43	June 21, 1976	48.98
Nov. 22, 1967	32.02	Dec. 18, 1970	42.44	July 20, 1976	48.45
Dec. 22, 1967	30.35	Jan. 20, 1971	41.73	Aug. 20, 1976	50.54

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-808—Continued		Well JL-49-13-811		Well JL-49-13-812—Continued	
Sept. 20, 1976	48.41	Owner: City of El Paso		Sept. 25, 1967	15.86
Oct. 21, 1976	48.57	Mar. 21, 1968	18.97	Oct. 16, 1967	15.98
Nov. 24, 1976	48.67	July 18, 1968	18.45	Oct. 25, 1967	16.04
Dec. 20, 1976	48.98	Oct. 28, 1968	18.35	Nov. 22, 1967	16.77
Jan. 19, 1977	49.32	Jan. 14, 1969	18.45	Dec. 22, 1967	17.55
Feb. 18, 1977	49.94	Mar. 20, 1969	18.75	Jan. 25, 1968	17.70
Mar. 21, 1977	52.00	June 19, 1969	19.42	Mar. 5, 1968	17.92
Apr. 20, 1977	50.87	Sept. 26, 1969	19.82	Mar. 22, 1968	16.83
May 22, 1977	52.03	Dec. 2, 1969	20.00	Apr. 22, 1968	16.93
June 20, 1977	52.87	Dec. 9, 1969	20.02	May 22, 1968	17.50
July 20, 1977	54.15	Mar. 23, 1970	20.68	July 19, 1968	15.72
Well JL-49-13-810		June 22, 1970	21.28	Oct. 21, 1968	15.14
Owner: City of El Paso		Sept. 22, 1970	21.47	Feb. 5, 1969	18.58
Mar. 30, 1964	135.28	Jan. 1971	22.84	June 28, 1972	24.90
July 2, 1964	227.04	June 17, 1971	22.90	Sept. 14, 1972	30.74
July 27, 1965	228.69	Oct. 28, 1971	23.52	Jan. 25, 1973	34.71
Dec. 27, 1965	136.46	Jan. 1972	24.10	Jan. 1974	35.15
July 8, 1966	148.07	Mar. 19, 1973	28.11	Jan. 20, 1975	36.74
Jan. 10, 1967	136.40	Sept. 11, 1973	29.73	Sept. 21, 1975	38.08
July 6, 1967	147.38	Jan. 17, 1974	30.43	Jan. 1976	39.17
Dec. 27, 1967	140.16	Apr. 9, 1974	30.90	Feb. 1976	39.47
July 16, 1968	156.57	June 3, 1974	31.25	Mar. 1976	39.80
Jan. 16, 1969	143.89	Sept. 6, 1974	31.29	Apr. 1976	40.15
June 19, 1969	167.44	Jan. 27, 1975	31.57	June 1976	40.24
Jan. 21, 1970	150.77	Sept. 29, 1975	32.05	July 20, 1976	40.35
June 23, 1970	160.12	Jan. 15, 1976	33.05	Aug. 20, 1976	40.25
Jan. 1971	147.40	June 18, 1976	31.84	Sept. 20, 1976	40.20
June 18, 1971	160.46	Dec. 9, 1976	39.47	Oct. 21, 1976	40.25
Jan. 1972	153.69	Well JL-49-13-812		Nov. 24, 1976	40.51
Jan. 17, 1973	156.88	Owner: International Boundary and Water Commission		Dec. 20, 1976	40.70
Jan. 18, 1974	161.32	July 17, 1967	17.66	Jan. 19, 1977	40.94
June 4, 1974	172.00	July 22, 1967	16.35	Feb. 18, 1977	41.18
Jan. 16, 1975	161.56	July 25, 1967	16.14	Mar. 21, 1977	41.56
Dec. 15, 1975	166.48	Aug. 21, 1967	15.67	Apr. 20, 1977	41.86
June 24, 1976	176.89	Sept. 13, 1967	15.54	May 22, 1977	42.23
Dec. 14, 1976	170.83			June 20, 1977	42.69
				July 20, 1977	43.07

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-813		Well JL-49-13-821—Continued		Well JL-49-13-825—Continued	
Owner: International Boundary and Water Commission		Sept. 13, 1967	24.50	Jan. 1974	43.77
July 18, 1967	24.23	Oct. 16, 1967	23.89	Dec. 9, 1974	43.97
July 22, 1967	23.65	Nov. 17, 1967	24.27	Dec. 20, 1975	46.39
Aug. 21, 1967	23.37	Dec. 26, 1967	24.32	Apr. 1976	46.39
Sept. 13, 1967	23.25	Mar. 5, 1968	24.65	Sept. 20, 1976	48.27
Oct. 16, 1967	23.28	July 18, 1968	24.49	Dec. 20, 1976	47.88
Nov. 17, 1967	23.54	Oct. 18, 1968	24.24	Mar. 21, 1977	49.58
Dec. 26, 1967	23.52	Feb. 5, 1969	24.62	June 20, 1977	50.28
Mar. 5, 1968	23.80	Well JL-49-13-823		Well JL-49-13-832	
July 18, 1968	23.65	Owner: City of El Paso		Owner: City of El Paso	
Oct. 18, 1968	23.49	Apr. 30, 1956	32.75	Mar. 21, 1976	48.99
Feb. 5, 1969	23.47	Jan. 22, 1959	29.29	June 3, 1976	47.67
Apr. 1, 1969	23.94	Jan. 8, 1960	26.02	June 7, 1976	47.32
July 9, 1969	24.62	Jan. 6, 1961	25.35	June 21, 1976	47.31
Oct. 28, 1969	25.07	Jan. 23, 1962	25.93	July 20, 1976	47.10
Jan. 26, 1970	25.73	Jan. 4, 1963	28.15	Sept. 20, 1976	47.54
Apr. 9, 1970	26.47	Dec. 30, 1963	31.15	Dec. 20, 1976	48.10
July 14, 1970	27.25	Feb. 11, 1964	30.32	Well JL-49-13-902	
Oct. 22, 1970	27.90	Dec. 27, 1965	35.93	Owner: City of El Paso	
Feb. 3, 1971	28.69	Jan. 10, 1967	34.65	Oct. 1953	104.25
Apr. 9, 1971	29.67	Dec. 27, 1967	38.33	Jan. 19, 1959	112.70
July 1, 1971	30.65	Jan. 8, 1969	39.77	Jan. 7, 1960	110.85
Oct. 13, 1971	31.07	Jan. 14, 1970	83.84	Jan. 9, 1961	112.83
Jan. 21, 1972	31.90	Jan. 1971	45.14	Jan. 25, 1962	114.87
Apr. 28, 1972	33.37	Jan. 1973	92.29	Dec. 31, 1962	115.15
June 29, 1972	34.68	Jan. 6, 1974	92.29	Jan. 8, 1964	118.43
Sept. 14, 1972	35.19	Jan. 24, 1975	62.60	Mar. 27, 1964	121.51
Jan. 25, 1973	36.53	Well JL-49-13-824		Dec. 27, 1965	122.41
Jan. 1974	36.90	Owner: City of El Paso		Jan. 10, 1967	123.07
Oct. 1, 1974	41.38	Mar. 30, 1967	17.34	Dec. 27, 1967	123.63
Dec. 9, 1974	41.60	Dec. 27, 1967	17.91	Jan. 8, 1969	130.82
Feb. 28, 1975	41.99	Jan. 14, 1970	19.00	Jan. 14, 1970	190.20
Well JL-49-13-821		Well JL-49-13-825		Jan. 1971	131.67
Owner: International Boundary and Water Commission		Owner: U.S. Geological Survey		Jan. 1972	139.55
July 16, 1967	24.31	June 28, 1972	35.79	Jan. 29, 1973	142.11
July 22, 1967	24.14	Sept. 14, 1972	36.78	Jan. 22, 1974	146.20
Aug. 18, 1967	23.89	Jan. 25, 1973	38.19		

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-912		Well JL-49-13-922		Well JL-49-13-933—Continued	
Owner: City of El Paso		Owner: City of El Paso		Sept. 13, 1967	18.68
Oct. 1953	25.90	May 2, 1968	23.80	Oct. 16, 1967	18.78
Jan. 8, 1959	34.52	July 18, 1968	24.54	Nov. 17, 1967	19.18
Jan. 8, 1960	30.07	Oct. 28, 1968	24.24	Dec. 26, 1967	19.34
Jan. 6, 1961	30.57	Jan. 14, 1969	24.10	Mar. 5, 1968	19.93
Feb. 19, 1962	32.96	Mar. 20, 1969	24.32	July 18, 1968	18.02
Jan. 4, 1963	33.75	June 19, 1969	24.56	Oct. 18, 1968	18.48
Dec. 30, 1963	35.75	June 29, 1969	24.42	Feb. 5, 1969	18.90
Feb. 11, 1964	35.52	Dec. 8, 1969	24.67	Apr. 1, 1969	19.26
Dec. 30, 1964	42.14	Mar. 27, 1970	25.17	July 9, 1969	18.96
Dec. 28, 1965	42.16	June 22, 1970	25.30	Oct. 28, 1969	19.26
Jan. 10, 1967	42.99	Sept. 23, 1970	24.92	Jan. 26, 1970	20.03
Dec. 27, 1967	43.56	Jan. 1971	25.20		
Jan. 8, 1969	50.27	June 17, 1971	25.61	Well JL-49-13-934	
Jan. 14, 1970	52.44	Oct. 27, 1971	26.09	Owner: International Boundary and Water Commission	
Jan. 1971	48.01	Jan. 1972	26.25	July 17, 1967	14.35
Jan. 1972	50.28	Mar. 22, 1972	26.58	July 22, 1967	14.37
Jan. 1973	52.41	June 27, 1972	27.26	Aug. 18, 1967	13.99
Jan. 23, 1975	55.52	Sept. 25, 1972	28.00	Sept. 13, 1967	13.69
Nov. 17, 1975	58.44	Mar. 19, 1973	29.00	Oct. 16, 1967	14.51
Dec. 9, 1976	58.21	Sept. 11, 1973	29.59	Nov. 17, 1967	15.15
Well JL-49-13-914		Jan. 7, 1974	30.13	Dec. 26, 1967	16.43
Owner: City of El Paso		Apr. 9, 1974	30.53	Mar. 5, 1968	17.94
June 23, 1961	289.37	June 3, 1974	30.71	July 18, 1968	14.80
Jan. 3, 1963	279.98	Sept. 6, 1974	30.76	Oct. 18, 1968	14.03
Dec. 30, 1963	283.00	Jan. 23, 1975	30.02	Feb. 5, 1969	16.34
Dec. 30, 1964	287.61	Sept. 29, 1975	30.36	Apr. 1, 1969	15.23
Dec. 28, 1966	286.89	Jan. 14, 1976	31.08	July 9, 1969	15.24
Dec. 26, 1967	292.81	Mar. 16, 1976	31.38	Oct. 28, 1969	15.28
Jan. 8, 1969	357.24	June 18, 1976	31.70	Jan. 26, 1970	15.84
Jan. 15, 1970	360.10	Dec. 9, 1976	31.86	Apr. 9, 1970	15.50
Jan. 1971	297.32	Well JL-49-13-933		July 14, 1970	15.14
Jan. 1973	365.63	Owner: International Boundary and Water Commission		Oct. 22, 1970	15.22
Jan. 8, 1974	306.03	July 16, 1967	19.19	Feb. 3, 1971	16.28
Jan. 15, 1975	305.48	July 22, 1967	18.77	Apr. 9, 1971	16.53
Dec. 15, 1975	304.14	Aug. 18, 1967	18.52	July 1, 1971	16.80
Dec. 14, 1976	303.78			Oct. 13, 1971	17.37

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-13-934—Continued		Well JL-49-14-102—Continued		Well JL-49-14-301—Continued	
Jan. 21, 1972	21.22	Sept. 3, 1970	272.69	Jan. 13, 1975	322.43
Jan. 25, 1973	28.46	Feb. 18, 1971	273.07	Jan. 20, 1976	323.17
Oct. 1, 1974	19.57	Jan. 20, 1972	274.03	Jan. 5, 1977	282.87
Dec. 9, 1974	20.82	Jan. 24, 1973	275.79		
		Jan. 1974	276.18	Well JL-49-14-401	
		Jan. 16, 1975	280.20	Owner: City of El Paso	
		Jan. 20, 1976	280.96	Nov. 28, 1960	292.94
		Jan. 5, 1977	282.87	Jan. 23, 1962	294.60
Well JL-49-14-102				Jan. 28, 1962	296.90
Owner: U.S. Army				Dec. 31, 1962	298.04
Jan. 18, 1955	254.45	Well JL-49-14-301		Dec. 30, 1963	299.32
June 17, 1955	254.71	Owner: U.S. Army		Dec. 30, 1964	302.52
Sept. 21, 1955	254.93	Apr. 2, 1953	314.36	Dec. 28, 1965	304.36
Jan. 20, 1956	254.98	June 2, 1953	314.11	Dec. 13, 1966	308.87
Apr. 30, 1956	255.37	Jan. 6, 1954	314.24	Dec. 26, 1967	309.10
June 18, 1956	255.69	Jan. 29, 1955	314.24	Jan. 6, 1969	391.60
Sept. 19, 1956	255.90	Jan. 20, 1956	314.16	Dec. 15, 1969	403.89
Jan. 16, 1957	256.02	Jan. 16, 1957	314.49	Jan. 1971	407.55
June 25, 1957	256.75	Jan. 20, 1958	316.68	Jan. 10, 1974	405.40
Jan. 22, 1958	256.66	Jan. 8, 1959	314.99	Dec. 7, 1976	332.89
June 24, 1958	257.49	Jan. 7, 1960	315.37		
Jan. 7, 1959	257.91	Jan. 3, 1961	315.52	Well JL-49-14-402	
June 15, 1959	258.57	Jan. 8, 1962	315.95	Owner: City of El Paso	
Jan. 7, 1960	259.22	Jan. 3, 1963	316.32	Nov. 18, 1960	281.00
July 21, 1960	259.78	Jan. 2, 1964	316.73	Jan. 23, 1962	280.60
Jan. 3, 1961	260.19	Dec. 29, 1964	316.88	Jan. 9, 1963	286.00
July 9, 1961	260.90	July 20, 1965	317.30	Dec. 30, 1963	285.60
Jan. 8, 1962	260.80	Dec. 30, 1965	317.62	Dec. 30, 1964	288.34
July 5, 1962	262.07	Jan. 17, 1967	317.90	Dec. 13, 1966	295.47
Jan. 2, 1963	262.28	July 6, 1967	318.19	Dec. 26, 1967	361.28
July 2, 1963	263.60	Jan. 3, 1968	318.37	Jan. 6, 1969	363.03
Jan. 2, 1964	263.48	July 15, 1968	318.62	Dec. 15, 1969	365.98
July 7, 1964	264.60	Mar. 8, 1970	318.69	Jan. 1971	375.94
Dec. 30, 1964	264.74	Sept. 3, 1970	319.90	Jan. 1972	304.64
July 20, 1965	265.90	Feb. 18, 1971	319.98	Jan. 1973	310.61
Dec. 30, 1965	265.03	Jan. 20, 1972	320.54	Jan. 8, 1974	370.75
Jan. 17, 1967	267.07	Jan. 25, 1973	321.07	Jan. 15, 1976	319.94
July 6, 1967	268.37	Jan. 1974	321.99	Dec. 7, 1976	316.10
Jan. 3, 1968	267.59				
Mar. 12, 1970	271.36				

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-14-403		Well JL-49-14-404—Continued		Well JL-49-14-405—Continued	
Owner: City of El Paso		Jan. 3, 1963	284.32	Dec. 29, 1964	286.05
Nov. 15, 1960	300.73	July 1, 1963	284.60	Dec. 30, 1965	287.20
Jan. 6, 1961	301.48	Jan. 2, 1964	284.12	Jan. 11, 1967	289.70
July 3, 1961	304.00	July 1, 1964	296.32	Jan. 3, 1968	290.53
Jan. 23, 1962	302.72	Dec. 29, 1964	287.22	Mar. 21, 1969	291.62
July 2, 1962	308.47	Dec. 30, 1965	289.34	Feb. 13, 1970	293.38
Dec. 31, 1962	307.57	Jan. 11, 1967	289.50	Sept. 1, 1970	294.59
July 1, 1963	312.48	July 6, 1967	302.24	Feb. 18, 1971	294.72
Dec. 30, 1963	305.65	Jan. 3, 1968	291.27	Jan. 20, 1972	297.57
July 2, 1964	312.12	July 16, 1968	303.68	Jan. 25, 1973	300.16
Dec. 30, 1964	307.57	Mar. 21, 1969	297.49	Jan. 1974	303.32
July 20, 1965	314.33	Feb. 13, 1970	299.32	Jan. 14, 1975	310.12
Dec. 30, 1965	310.95	Sept. 1, 1970	312.28	Jan. 11, 1976	310.24
July 8, 1966	313.00	Feb. 18, 1971	302.24		
Jan. 26, 1967	314.13	Jan. 20, 1972	301.52	Well JL-49-14-406	
July 6, 1967	314.86	Jan. 25, 1973	304.37	Owner: City of El Paso	
Jan. 3, 1968	314.82	Jan. 1974	310.95	Jan. 23, 1967	303.26
July 15, 1968	317.27			Dec. 26, 1967	304.89
Dec. 15, 1969	318.23	Well JL-49-14-405		Jan. 6, 1969	311.33
Jan. 1971	325.59	Owner: International Airport		Dec. 15, 1969	397.04
Jan. 1972	319.63	Jan. 20, 1956	273.17	Jan. 1971	400.65
		June 18, 1956	275.12	Jan. 1972	313.17
		Jan. 16, 1957	274.97	Jan. 1973	399.78
		June 25, 1957	275.60	Jan. 10, 1974	326.89
		Jan. 22, 1958	275.39	Dec. 7, 1976	325.81
		June 24, 1958	276.20		
		Jan. 8, 1959	277.08	Well JL-49-14-413	
		Jan. 7, 1960	278.40	Owner: City of El Paso	
		July 21, 1960	279.75	Jan. 1973	322.40
		Jan. 4, 1961	279.90	Jan. 8, 1974	327.50
		July 3, 1961	289.17	Jan. 8, 1975	333.28
		Jan. 8, 1962	281.00	Jan. 15, 1976	332.44
		July 5, 1962	281.10	Dec. 7, 1976	332.49
		Jan. 2, 1963	282.94		
		July 1, 1963	282.77	Well JL-49-14-414	
		Jan. 2, 1964	284.75	Owner: City of El Paso	
		July 1, 1964	284.55	Jan. 1973	307.28
				Jan. 8, 1974	311.35

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-14-414—Continued		Well JL-49-14-702—Continued		Well JL-49-14-704—Continued	
Jan. 8, 1975	317.70	Jan. 1973	333.50	Jan. 1972	186.82
Jan. 15, 1976	316.14	Jan. 10, 1974	336.61	Jan. 1973	187.42
Dec. 7, 1976	315.78	Jan. 15, 1975	339.14	Jan. 16, 1974	195.85
Well JL-49-14-415		Well JL-49-14-703		Well JL-49-14-705	
Owner: City of El Paso		Owner: City of El Paso		Owner: City of El Paso	
Jan. 1973	303.34	May 15, 1956	213.00	Nov. 23, 1956	318.75
Jan. 10, 1974	307.01	Jan. 8, 1959	210.10	Jan. 12, 1959	306.85
Jan. 15, 1976	319.13	Jan. 23, 1962	212.47	Jan. 1973	337.77
Well JL-49-14-701		Well JL-49-14-706		Well JL-49-14-706	
Owner: City of El Paso		Owner: City of El Paso		Owner: City of El Paso	
May 14, 1959	295.80	Jan. 4, 1963	211.50	Jan. 23, 1961	281.36
Jan. 7, 1960	293.80	Dec. 30, 1963	215.05	July 23, 1962	281.10
Jan. 3, 1963	301.77	Jan. 5, 1965	219.10	Jan. 3, 1963	285.90
Jan. 2, 1964	304.68	Dec. 28, 1965	211.80	Dec. 30, 1963	286.35
Dec. 28, 1965	309.83	Jan. 10, 1967	217.19	Dec. 30, 1964	289.17
Dec. 26, 1967	366.41	Dec. 27, 1967	221.51	Dec. 28, 1965	291.88
Jan. 6, 1969	370.34	Jan. 6, 1969	225.08	Dec. 26, 1967	296.28
Jan. 15, 1970	323.80	Jan. 1971	249.13	Jan. 6, 1969	297.97
Jan. 1971	390.21	Jan. 1973	249.69	Jan. 13, 1970	300.97
Jan. 1972	324.11	Jan. 22, 1974	233.17	Jan. 1971	303.98
Jan. 1973	327.37	Jan. 23, 1975	233.12	Jan. 1973	302.97
Dec. 15, 1976	332.51	Dec. 15, 1975	240.52	Jan. 28, 1975	316.18
Well JL-49-14-702		Well JL-49-14-704		Well JL-49-14-707	
Owner: City of El Paso		Owner: City of El Paso		Owner: City of El Paso	
May 30, 1956	310.25	Feb. 15, 1958	173.00	June 19, 1961	291.10
Jan. 3, 1963	311.98	Jan. 19, 1959	170.10	Jan. 3, 1963	281.90
Jan. 6, 1964	315.45	Jan. 7, 1960	168.20	Dec. 30, 1963	286.09
Dec. 30, 1964	317.60	Jan. 4, 1963	171.05	Dec. 30, 1964	290.34
Dec. 28, 1965	320.78	Dec. 30, 1963	173.42	Dec. 28, 1965	290.05
Jan. 11, 1967	321.73	Dec. 30, 1964	176.94	Dec. 26, 1967	361.45
Dec. 27, 1967	324.07	Dec. 28, 1965	176.19	Jan. 8, 1969	366.46
Jan. 8, 1969	352.22	Jan. 10, 1967	180.05	Jan. 15, 1970	369.52
Dec. 15, 1969	332.00	Dec. 27, 1967	201.63	Jan. 1971	302.48
Jan. 1971	328.28	Jan. 8, 1969	184.34		
Jan. 1972	328.60	Jan. 14, 1970	186.03		
		Jan. 1971	185.12		

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL			
Well JL-49-14-707—Continued			Well JL-49-14-711—Continued			Well JL-49-14-716—Continued		
Jan. 1972	304.44	Jan. 23, 1962	101.80	Jan. 7, 1974	317.13			
Jan. 1973	310.66	Jan. 4, 1963	100.88	Jan. 15, 1975	321.86			
Jan. 8, 1974	310.91	Dec. 30, 1963	101.28	Well JL-49-14-717				
Jan. 15, 1975	304.92	Dec. 28, 1965	103.35	Owner: City of El Paso				
Dec. 15, 1975	308.91	Jan. 10, 1967	106.08	Jan. 1971	309.37			
Dec. 14, 1976	306.73	Dec. 27, 1967	105.68	Jan. 1972	308.33			
Well JL-49-14-709			Jan. 8, 1969	105.56	Jan. 1973	311.10		
Owner: City of El Paso			Jan. 15, 1970	107.26	Jan. 7, 1974	312.20		
Oct. 17, 1967	320.40	Jan. 1971	107.42	Jan. 15, 1975	317.62			
Dec. 27, 1967	324.86	Jan. 1972	109.92	Jan. 6, 1976	319.90			
Jan. 6, 1969	322.89	Jan. 1973	111.48	Dec. 7, 1976	318.75			
Jan. 15, 1970	327.77	Jan. 16, 1974	142.62	Well JL-49-14-718				
Jan. 1971	324.87	Well JL-49-14-714			Owner: City of El Paso			
Jan. 1972	323.04	Owner: City of El Paso			Jan. 1971	233.96		
Jan. 1973	330.91	Sept. 11, 1967	278.30	Jan. 1972	234.98			
Jan. 8, 1974	391.35	Dec. 27, 1967	278.27	Jan. 1973	237.83			
Jan. 15, 1976	339.87	Jan. 6, 1969	275.76	Jan. 7, 1974	240.40			
Dec. 15, 1976	334.73	Dec. 11, 1969	278.07	Well JL-49-21-101				
Well JL-49-14-710			Jan. 1971	279.07	Owner: City of El Paso			
Owner: City of El Paso			Jan. 1972	279.66	Mar. 26, 1968	29.59		
Jan. 1956	167.00	Jan. 1973	282.60	Apr. 20, 1968	29.14			
Jan. 9, 1963	176.78	Jan. 7, 1974	286.31	May 20, 1968	29.02			
Dec. 30, 1963	176.28	Well JL-49-14-715			June 20, 1968	27.49		
Feb. 1, 1964	177.16	Owner: City of El Paso			July 20, 1968	25.88		
Dec. 28, 1965	175.77	Mar. 7, 1969	293.09	Aug. 20, 1968	25.27			
Dec. 27, 1967	182.98	Jan. 1971	291.97	Sept. 20, 1968	25.25			
Jan. 15, 1970	184.17	Jan. 1972	292.67	Oct. 20, 1968	28.11			
Jan. 1971	186.86	Jan. 1973	295.37	Nov. 20, 1968	28.46			
Jan. 1972	185.93	Jan. 7, 1974	297.18	Dec. 20, 1968	30.52			
Well JL-49-14-711			Well JL-49-14-716			Jan. 20, 1969	31.91	
Owner: City of El Paso			Owner: City of El Paso			Feb. 20, 1969	33.70	
Oct. 1953	86.50	Nov. 5, 1969	315.45	Mar. 20, 1969	34.89			
Jan. 22, 1959	100.07	Jan. 1971	311.06	Apr. 20, 1969	36.01			
Feb. 3, 1960	98.35	Jan. 1972	311.48	May 20, 1969	36.43			
Jan. 6, 1961	99.28	Jan. 1973	314.02	June 20, 1969	36.50			

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-21-101—Continued		Well JL-49-21-102—Continued		Well JL-49-21-303	
July 20, 1969	34.90	Aug. 18, 1967	34.13	Owner: City of El Paso	
Aug. 20, 1969	34.23	Sept. 13, 1967	34.22	Mar. 21, 1968	9.25
Sept. 26, 1969	34.93	Oct. 16, 1967	34.64	July 18, 1968	7.48
Oct. 28, 1969	37.32	Nov. 17, 1967	35.04	Oct. 28, 1968	7.79
Nov. 20, 1969	38.83	Dec. 26, 1967	35.98	Jan. 14, 1969	8.12
Dec. 20, 1969	42.37	Mar. 5, 1968	37.38	Mar. 20, 1969	7.80
Jan. 1, 1970	43.00	July 18, 1968	34.85	June 19, 1969	7.08
Jan. 20, 1970	44.04	Oct. 18, 1968	34.16	Sept. 26, 1969	7.26
Feb. 20, 1970	46.06	Feb. 5, 1969	42.00	Dec. 9, 1969	7.81
Mar. 20, 1970	47.20	Apr. 1, 1969	46.36	Mar. 23, 1970	7.55
Apr. 20, 1970	47.14	July 9, 1969	49.39	June 22, 1970	7.44
May 20, 1970	46.26	Oct. 28, 1969	51.36	Sept. 22, 1970	7.00
June 20, 1970	45.23	Jan. 26, 1970	51.36	Jan. 1971	8.25
July 18, 1970	44.19	July 29, 1972	81.60	June 17, 1971	7.85
Aug. 20, 1970	43.51	Sept. 14, 1972	85.04	Oct. 27, 1971	8.37
Sept. 20, 1970	43.25	Jan. 25, 1973	88.80	Jan. 1972	10.58
Oct. 20, 1970	44.49	Jan. 1974	89.33	Mar. 19, 1973	14.80
Nov. 20, 1970	46.56	Well JL-49-21-301		Sept. 6, 1973	8.21
Dec. 20, 1970	47.90	Owner: City of El Paso		Sept. 11, 1973	8.30
Jan. 20, 1971	48.74	Sept. 20, 1957	30.26	Jan. 17, 1974	9.98
Feb. 20, 1971	49.69	Jan. 8, 1959	24.36	Apr. 11, 1974	9.34
Mar. 20, 1971	50.40	Jan. 8, 1960	22.00	June 3, 1974	9.01
Apr. 20, 1971	50.83	Jan. 6, 1961	28.68	Sept. 6, 1974	8.33
May 20, 1971	48.46	Jan. 23, 1962	20.87	Jan. 24, 1975	9.11
June 20, 1971	49.17	Jan. 4, 1963	22.10	Sept. 29, 1975	8.84
July 20, 1971	48.33	Dec. 30, 1963	31.78	Well JL-49-21-304	
Aug. 20, 1971	48.24	Dec. 30, 1964	31.00	Owner: City of El Paso	
Sept. 20, 1971	49.13	Dec. 27, 1965	29.41	Mar. 21, 1968	12.03
Oct. 20, 1971	49.52	Jan. 10, 1967	29.60	July 18, 1968	10.72
Nov. 20, 1971	50.80	Dec. 27, 1967	30.80	Oct. 28, 1968	10.88
Dec. 20, 1971	51.21	Jan. 8, 1969	29.95	Jan. 14, 1969	11.10
Well JL-49-21-102		Dec. 9, 1969	36.36	Mar. 20, 1969	11.39
Owner: International Boundary and Water Commission		Jan. 1971	33.09	June 19, 1969	11.24
July 20, 1967	34.89	Jan. 1972	39.77	Sept. 26, 1969	10.90
July 22, 1967	34.67	Jan. 1973	42.01	Dec. 9, 1969	11.24
July 24, 1967	34.64	Jan. 17, 1974	44.60	Mar. 23, 1970	11.66
		Dec. 15, 1975	55.15	June 22, 1970	11.73

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-21-304—Continued		Well JL-49-21-306—Continued		Well JL-49-22-103	
Sept. 22, 1970	11.10	July 14, 1970	7.12	Owner: City of El Paso	
Jan. 1971	11.49	Oct. 22, 1970	7.78	Oct. 1953	50.00
June 17, 1971	11.97	Feb. 3, 1971	9.21	Jan. 19, 1959	56.70
Oct. 27, 1971	11.61	Apr. 9, 1971	8.60	Jan. 8, 1960	56.15
Jan. 1972	12.73	July 1, 1971	8.42	Jan. 6, 1961	56.65
Mar. 19, 1973	16.02	Oct. 13, 1971	9.15	Jan. 25, 1962	56.93
Sept. 6, 1973	14.15	Jan. 21, 1972	12.63	Jan. 4, 1963	56.69
Sept. 11, 1973	14.14	Jan. 25, 1973	18.21	Dec. 30, 1964	60.12
Jan. 17, 1974	14.51	Jan. 1974	11.08	Dec. 28, 1965	59.91
Apr. 11, 1974	14.79	Oct. 1, 1974	8.11	Jan. 10, 1967	60.01
June 3, 1974	14.60	Feb. 1976	13.53	Dec. 27, 1967	60.19
Sept. 6, 1974	13.86	Apr. 1976	15.66	Jan. 6, 1969	59.70
Jan. 24, 1975	13.43	Sept. 20, 1976	10.45	Nov. 26, 1969	60.56
Sept. 29, 1975	13.27	Dec. 20, 1976	11.74	Jan. 1971	60.52
Jan. 14, 1976	14.10	Mar. 21, 1977	12.50	Jan. 1972	61.11
Mar. 17, 1976	14.40	June 20, 1977	13.45	Jan. 1973	63.09
June 18, 1976	14.13			Sept. 5, 1973	65.79
		Well JL-49-22-102		Nov. 17, 1975	66.13
		Owner: City of El Paso		Nov. 30, 1976	66.76
		Jan. 1957	142.00		
		Jan. 8, 1959	144.20	Well JL-49-22-107	
		Jan. 8, 1960	144.20	Owner: City of El Paso	
		Jan. 25, 1962	145.10	Apr. 10, 1968	22.10
		Jan. 9, 1963	146.44	July 18, 1968	21.88
		Dec. 30, 1963	146.88	Oct. 28, 1968	21.57
		Dec. 30, 1964	147.55	Jan. 14, 1969	21.53
		Dec. 28, 1965	148.55	Mar. 19, 1969	21.50
		Jan. 10, 1967	149.60	June 19, 1969	21.77
		Dec. 27, 1967	149.19		
		Jan. 6, 1969	146.16	Well JL-49-22-108	
		Jan. 15, 1970	147.42	Owner: City of El Paso	
		Jan. 1971	147.97	May 2, 1968	7.45
		Jan. 1972	149.62	July 18, 1968	6.43
		Jan. 1973	150.70	July 28, 1968	6.89
		Jan. 16, 1974	154.98	Jan. 14, 1969	7.51
		Dec. 13, 1976	163.17	Mar. 20, 1969	7.27
				June 19, 1969	6.35
				Sept. 26, 1969	6.42

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-22-108—Continued		Well JL-49-22-201		Well JL-49-22-203—Continued	
Dec. 9, 1969	7.03	Owner: City of El Paso		Mar. 23, 1972	10.97
Mar. 23, 1970	6.97	June 5, 1947	52.00	June 27, 1972	12.33
June 22, 1970	6.36	Oct. 1953	52.00	Well JL-49-22-401	
Sept. 22, 1970	5.97	July 3, 1956	63.00	Owner: City of El Paso	
Jan. 1971	7.10	Jan. 8, 1959	60.70	Dec. 3, 1957	9.72
June 17, 1971	6.59	Jan. 8, 1960	59.75	Dec. 5, 1958	7.05
Oct. 27, 1971	7.11	Jan. 6, 1961	59.08	Dec. 14, 1959	7.17
Jan. 1972	8.94	Jan. 25, 1962	58.58	Dec. 5, 1960	7.78
Mar. 19, 1973	11.85	Jan. 4, 1963	58.18	Jan. 29, 1962	7.50
Sept. 6, 1973	8.98	Dec. 30, 1963	58.08	Dec. 14, 1962	6.97
Sept. 11, 1973	6.61	Dec. 30, 1964	59.57	Apr. 6, 1963	10.94
Jan. 17, 1974	8.03	Dec. 28, 1965	58.77	Dec. 10, 1963	7.63
Apr. 11, 1974	11.75	Jan. 10, 1967	58.18	Dec. 7, 1964	9.35
June 3, 1974	6.94	Dec. 27, 1967	72.40	Dec. 28, 1965	8.65
Sept. 6, 1974	6.73	Jan. 6, 1969	73.66	Dec. 29, 1966	8.09
Jan. 24, 1975	10.82	Jan. 14, 1970	71.45	Dec. 26, 1967	7.82
Sept. 29, 1975	6.01	Jan. 1971	65.02	Jan. 27, 1969	7.89
Jan. 14, 1976	7.92	Jan. 14, 1976	35.31	Jan. 31, 1970	7.97
Mar. 16, 1976	7.23	Well JL-49-22-203		Feb. 2, 1971	8.05
June 18, 1976	6.64	Owner: City of El Paso		Jan. 11, 1972	8.20
Dec. 9, 1976	7.37	Apr. 10, 1968	10.86	Jan. 29, 1973	9.37
Well JL-49-22-117		July 16, 1968	10.52	Jan. 24, 1975	7.35
Owner: Sidney M. Metzger		Oct. 28, 1968	10.57	Jan. 16, 1976	7.86
June 21, 1956	18.76	Jan. 14, 1969	11.44	Jan. 16, 1977	7.93
Dec. 28, 1965	17.22	Mar. 19, 1969	10.88	Well JL-49-22-402	
Mar. 8, 1966	17.22	June 20, 1969	10.47	Owner: Ysleta Independent School District	
Dec. 26, 1967	17.27	Sept. 26, 1969	9.82	July 13, 1956	10.65
Jan. 26, 1975	18.10	Dec. 8, 1969	10.29	Nov. 16, 1956	10.39
Jan. 16, 1976	19.05	Mar. 27, 1970	10.46	Dec. 3, 1957	8.12
Well JL-49-22-122		June 22, 1970	10.08	Dec. 5, 1958	5.70
Owner: City of El Paso		Sept. 23, 1970	8.83	Dec. 14, 1959	5.88
Nov. 15, 1971	25.00	Jan. 1971	9.72	Dec. 5, 1960	6.50
Jan. 1973	22.95	June 16, 1971	10.02	Jan. 29, 1962	6.13
Nov. 30, 1976	25.21	Oct. 27, 1971	10.59	Dec. 14, 1962	5.65
		Jan. 1972	10.74		

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-22-402—Continued		Well JL-49-22-402—Continued		Well JL-49-22-501	
Dec. 10, 1963	5.99	Feb. 25, 1975	5.06	Owner: City of El Paso	
Dec. 7, 1964	8.50	Mar. 11, 1975	5.20	Apr. 10, 1968	8.94
Dec. 28, 1965	7.72	Mar. 25, 1975	5.22	July 16, 1968	7.96
Dec. 29, 1966	6.65	Apr. 8, 1975	4.41	Oct. 28, 1968	8.16
Dec. 26, 1967	6.02	Apr. 22, 1975	4.87	Jan. 14, 1969	8.70
Jan. 27, 1969	5.45	May 6, 1975	5.16	Mar. 19, 1969	8.84
Feb. 4, 1970	6.00	May 21, 1975	4.82	June 20, 1969	8.43
Feb. 2, 1971	5.69	June 3, 1975	4.90	Sept. 26, 1969	7.73
Jan. 12, 1972	6.39	June 16, 1975	5.10	Dec. 8, 1969	8.29
Jan. 30, 1973	8.98	June 30, 1975	4.92	Mar. 23, 1970	8.42
Sept. 5, 1973	4.94	July 15, 1975	5.07	June 22, 1970	7.91
Jan. 21, 1974	5.91	July 29, 1975	5.11	Sept. 23, 1970	7.33
Jan. 28, 1974	6.10	Aug. 12, 1975	5.12	Jan. 1971	8.05
Feb. 4, 1974	6.16	Sept. 9, 1975	4.68	June 16, 1971	8.74
Feb. 11, 1974	6.30	Sept. 22, 1975	4.80	Oct. 27, 1971	8.74
Mar. 1, 1974	6.82	Oct. 7, 1975	5.06	Jan. 1972	8.90
Mar. 8, 1974	6.80	Oct. 21, 1975	5.32	Mar. 22, 1972	9.35
Mar. 15, 1974	6.73	Nov. 4, 1975	5.51	June 27, 1972	9.75
Mar. 25, 1974	5.66	Nov. 18, 1975	5.57	Sept. 25, 1972	10.08
Apr. 22, 1974	6.00	Dec. 2, 1975	5.64	Mar. 19, 1973	10.39
May 13, 1974	4.65	Dec. 16, 1975	5.68	Sept. 6, 1974	8.67
May 29, 1974	4.70	Jan. 16, 1976	5.77	Jan. 24, 1975	8.13
June 14, 1974	5.10	Feb. 11, 1976	5.81	Sept. 29, 1975	7.95
June 21, 1974	4.90	Mar. 12, 1976	5.85	Jan. 14, 1976	8.60
July 9, 1974	4.75	Apr. 27, 1976	5.32	Mar. 16, 1976	8.82
July 23, 1974	6.65	May 26, 1976	5.58	June 18, 1976	8.82
Aug. 5, 1974	4.56	June 15, 1976	5.65	Dec. 15, 1976	8.83
Sept. 4, 1974	4.80	July 12, 1976	5.53		
Oct. 2, 1974	3.94	Aug. 30, 1976	5.93	Well JL-49-22-502	
Oct. 24, 1974	4.62	Sept. 22, 1976	5.77	Owner: City of El Paso	
Nov. 7, 1974	4.85	Nov. 1, 1976	5.89	May 2, 1968	10.12
Nov. 20, 1974	4.96	Jan. 3, 1977	6.00	July 16, 1968	7.85
Dec. 4, 1974	5.04	Jan. 6, 1977	5.96	Oct. 28, 1968	9.41
Dec. 18, 1974	5.15	Feb. 9, 1977	6.06	Jan. 14, 1969	10.07
Jan. 3, 1975	6.20	Mar. 15, 1977	6.09	Mar. 19, 1969	9.36
Jan. 13, 1975	5.30	Apr. 11, 1977	6.02	June 20, 1969	8.79
Feb. 7, 1975	5.11	May 10, 1977	5.97	Sept. 26, 1969	9.07

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-22-502—Continued		Well JL-49-22-531		Well JL-49-22-536—Continued	
Dec. 8, 1969	9.86	Owner: A. J. Apodaca		Dec. 27, 1967	10.80
Mar. 23, 1970	9.76	July 13, 1956	22.24	Jan. 24, 1969	11.23
June 22, 1970	9.16	Jan. 21, 1959	13.44	Jan. 30, 1970	11.05
Sept. 23, 1970	8.57	Dec. 14, 1959	9.38	Feb. 1, 1971	11.00
Jan. 1971	9.70	Dec. 5, 1960	9.46	Jan. 11, 1972	11.46
June 16, 1971	8.52	Jan. 29, 1962	10.78	Oct. 9, 1973	8.90
Oct. 27, 1971	9.32	Dec. 14, 1962	9.28	Jan. 24, 1975	9.63
Jan. 1972	9.84	Dec. 10, 1963	9.33	Jan. 16, 1976	10.20
Mar. 23, 1972	8.32	Dec. 7, 1964	12.98	Jan. 6, 1977	10.21
June 29, 1972	9.90	Jan. 13, 1966	11.27		
Sept. 25, 1972	10.27	Dec. 15, 1966	9.82	Well JL-49-22-601	
Mar. 23, 1973	10.14	Dec. 26, 1967	9.47	Owner: City of El Paso	
		Jan. 24, 1969	9.60	May 2, 1968	9.25
Well JL-49-22-515		Jan. 3, 1970	9.63	July 16, 1968	8.61
Owner: George B. Spence		Feb. 1, 1971	9.90	Oct. 28, 1968	9.98
Nov. 16, 1956	16.29	Jan. 11, 1972	9.66	Jan. 14, 1969	9.07
Nov. 29, 1957	15.08	Jan. 29, 1973	10.09	Mar. 19, 1969	8.33
Dec. 4, 1958	11.81	Oct. 5, 1973	7.43	June 20, 1969	8.09
Dec. 7, 1959	9.25	Jan. 24, 1975	6.93	Sept. 26, 1969	8.24
Dec. 5, 1960	8.55	Jan. 16, 1976	7.97	Dec. 8, 1969	9.22
Jan. 29, 1962	9.27	Jan. 6, 1977	7.94	Mar. 27, 1970	8.85
Dec. 18, 1962	8.57			June 22, 1970	8.66
Dec. 10, 1963	8.87	Well JL-49-22-536		Sept. 23, 1970	5.51
Dec. 7, 1964	11.37	Owner: Hosmer W. Hill Estate		Jan. 1971	9.08
Jan. 13, 1966	10.80	July 11, 1956	25.45	June 16, 1971	10.09
Dec. 15, 1966	9.52	Nov. 16, 1956	17.68	Oct. 27, 1971	9.44
Dec. 26, 1967	10.44	Dec. 3, 1957	15.38	Jan. 1972	10.05
Jan. 27, 1969	9.32	Dec. 5, 1958	11.29	Mar. 23, 1972	12.05
Feb. 4, 1970	9.32	Dec. 14, 1959	9.88	June 29, 1972	11.61
Feb. 1, 1971	9.40	Dec. 5, 1960	10.67	Sept. 25, 1972	10.30
Jan. 12, 1972	9.43	Jan. 29, 1962	11.19	Mar. 22, 1973	9.57
Jan. 30, 1973	10.47	Dec. 14, 1962	10.09	Sept. 17, 1973	8.43
Oct. 10, 1973	8.00	Dec. 10, 1963	10.20	Jan. 17, 1974	9.94
Jan. 24, 1975	7.82	Dec. 7, 1964	14.55	Apr. 9, 1974	9.49
Jan. 16, 1976	8.36	Jan. 13, 1966	12.00	June 3, 1974	9.95
Jan. 6, 1977	7.39	Dec. 15, 1966	10.60	Oct. 2, 1974	7.99

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-22-601—Continued		Well JL-49-22-803—Continued		Well JL-49-22-803—Continued	
Jan. 24, 1975	9.26	Mar. 23, 1970	6.55	Dec. 18, 1974	6.80
Sept. 29, 1975	9.17	June 22, 1970	5.83	Jan. 3, 1975	6.95
Jan. 14, 1976	9.48	Sept. 23, 1970	6.51	Jan. 13, 1975	6.97
Mar. 16, 1976	8.59	Jan. 1971	7.93	Feb. 7, 1975	6.90
June 18, 1976	9.48	June 16, 1971	6.72	Feb. 25, 1975	7.12
Dec. 15, 1976	9.47	Oct. 27, 1971	7.74	Mar. 11, 1975	6.85
		Jan. 1972	8.53	Mar. 25, 1975	6.40
		Mar. 23, 1972	7.51	Apr. 8, 1975	6.40
		June 29, 1972	8.22	Apr. 22, 1975	6.25
		Sept. 25, 1972	7.67	May 6, 1975	6.70
		Mar. 22, 1973	8.53	May 21, 1975	6.44
		Sept. 17, 1973	6.07	June 3, 1975	6.23
		Jan. 21, 1974	7.41	June 16, 1975	6.45
		Jan. 28, 1974	7.46	June 30, 1975	6.40
		Feb. 9, 1974	7.50	July 15, 1975	6.58
		Feb. 11, 1974	7.64	July 29, 1975	6.75
		Feb. 11, 1974	7.74	Aug. 12, 1975	5.74
		Feb. 19, 1974	7.74	Sept. 9, 1975	5.75
		Mar. 1, 1974	7.63	Sept. 22, 1975	5.74
		Mar. 8, 1974	6.93	Oct. 7, 1975	6.57
		Mar. 15, 1974	6.87	Oct. 21, 1975	7.11
		Mar. 25, 1974	6.76	Nov. 4, 1975	7.07
		Apr. 9, 1974	6.55	Nov. 18, 1975	7.14
		Apr. 22, 1974	7.68	Dec. 2, 1975	7.42
		May 13, 1974	6.40	Dec. 16, 1975	7.59
		May 29, 1974	6.30	Jan. 14, 1976	7.79
		June 14, 1974	5.82	Feb. 11, 1976	7.70
		June 21, 1974	5.30	Mar. 12, 1976	7.15
		July 9, 1974	5.30	Apr. 27, 1976	6.22
		July 23, 1974	5.60	May 26, 1976	5.58
		Aug. 5, 1974	4.50	June 15, 1976	6.17
		Sept. 4, 1974	5.78	July 12, 1976	5.89
		Oct. 2, 1974	5.47	Aug. 30, 1976	5.95
		Oct. 24, 1974	5.86	Sept. 22, 1976	6.40
		Nov. 7, 1974	7.04	Nov. 1, 1976	7.00
		Nov. 20, 1974	6.30	Dec. 15, 1976	7.36
		Dec. 4, 1974	6.54	Jan. 3, 1977	6.82
Well JL-49-22-612					
Owner: Eleanor Coldwell Estate					
Nov. 16, 1956	17.51				
Nov. 29, 1957	14.81				
Dec. 4, 1958	9.54				
Dec. 7, 1959	7.72				
Dec. 5, 1960	7.73				
Jan. 29, 1962	7.90				
Dec. 18, 1962	7.10				
Dec. 10, 1963	7.82				
Dec. 7, 1964	9.44				
Jan. 13, 1966	9.00				
Dec. 15, 1966	7.32				
Dec. 26, 1967	7.40				
Feb. 1, 1971	7.76				
Jan. 12, 1972	7.60				
Jan. 30, 1973	8.21				
Oct. 10, 1973	5.12				
Jan. 26, 1975	6.63				
Jan. 16, 1976	6.73				
Well JL-49-22-803					
Owner: City of El Paso					
May 2, 1968	7.08				
July 16, 1968	5.74				
Oct. 28, 1968	6.94				
Jan. 14, 1969	7.54				
Mar. 19, 1969	6.54				
June 20, 1969	6.51				
Sept. 26, 1969	5.82				
Dec. 8, 1969	6.54				

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-22-803—Continued		Well JL-49-22-826—Continued		Well JL-49-22-909—Continued	
Feb. 9, 1977	7.66	Feb. 1, 1971	8.95	Feb. 4, 1970	8.75
Mar. 15, 1977	6.74	Jan. 11, 1972	6.50	Feb. 1, 1971	8.50
Apr. 11, 1977	6.84	July 26, 1973	8.62	Jan. 12, 1972	8.76
May 10, 1977	6.78			Jan. 30, 1973	8.85
		Well JL-49-22-834		July 27, 1973	7.73
		Owner: City of El Paso		Jan. 26, 1975	6.55
		July 6, 1956	23.62	Jan. 16, 1976	6.51
		Nov. 15, 1956	21.13	Jan. 6, 1977	7.02
Nov. 16, 1956	14.79	Dec. 3, 1957	17.48		
Dec. 4, 1957	11.07	Dec. 2, 1958	8.74	Well JL-49-22-922	
Dec. 2, 1958	7.30	Dec. 10, 1959	7.05	Owner: H. L. and H. J. Pederson, and D. R. Cramer	
Dec. 11, 1959	7.15	Dec. 5, 1960	6.54	Nov. 15, 1956	20.53
Dec. 5, 1960	7.93	Jan. 29, 1962	8.01	Dec. 4, 1958	16.70
Jan. 29, 1962	8.02	Dec. 14, 1962	7.95	Dec. 7, 1959	9.54
Dec. 14, 1962	7.43	Dec. 10, 1963	8.75	Dec. 5, 1960	9.95
Dec. 10, 1963	7.75	Dec. 7, 1964	12.77	Jan. 29, 1962	11.23
Dec. 7, 1964	9.84	Jan. 13, 1966	9.64	Dec. 14, 1962	10.07
Jan. 13, 1966	8.47	Dec. 27, 1967	4.42	Dec. 10, 1963	9.57
Dec. 13, 1966	7.37	Jan. 24, 1969	6.40	Dec. 7, 1964	13.08
Dec. 27, 1967	7.30	Jan. 31, 1970	6.91	Jan. 13, 1966	11.40
Jan. 24, 1969	8.14	Feb. 2, 1971	7.40	Dec. 15, 1966	8.56
Jan. 31, 1970	8.08	Jan. 11, 1972	7.95	Dec. 26, 1967	8.72
Feb. 1, 1971	7.73	Jan. 29, 1973	8.70	Jan. 24, 1969	9.29
Jan. 11, 1972	7.95	July 25, 1973	6.75	Jan. 29, 1970	9.18
Jan. 29, 1973	8.09	Jan. 26, 1975	6.75	Feb. 1, 1971	8.88
July 25, 1973	6.92	Jan. 16, 1976	7.03	Jan. 11, 1972	9.51
Jan. 24, 1975	6.09	Jan. 6, 1977	6.80	Jan. 30, 1973	10.09
Jan. 16, 1976	6.95			Jan. 26, 1975	8.73
Jan. 6, 1977	7.02	Well JL-49-22-909		Jan. 16, 1976	9.16
		Owner: Louis Burrus		Jan. 6, 1977	9.91
		July 2, 1956	14.00		
		Nov. 14, 1956	14.00	Well JL-49-22-937	
Nov. 19, 1956	13.12	Dec. 2, 1957	13.08	Owner: S. O. Roberts, Jr., et al.	
Dec. 4, 1957	11.41	Dec. 4, 1958	9.07	Nov. 15, 1956	21.19
Dec. 2, 1958	6.15	Dec. 7, 1959	6.50	Dec. 3, 1957	20.10
Dec. 11, 1959	6.66	Dec. 18, 1962	5.66	Dec. 4, 1958	15.31
Dec. 27, 1967	8.64	Dec. 22, 1967	8.30	Dec. 7, 1959	12.40
Jan. 24, 1969	7.34	Jan. 24, 1969	8.05		
Jan. 31, 1970	6.82				

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-22-937—Continued		Well JL-49-23-702—Continued		Well JL-49-30-202—Continued	
Dec. 5, 1960	12.22	Feb. 5, 1962	120.57	Dec. 10, 1959	7.54
Jan. 29, 1962	12.59	Dec. 13, 1962	120.39	Dec. 14, 1962	7.52
Dec. 18, 1962	11.80	Dec. 11, 1963	120.44	Dec. 27, 1967	7.07
Dec. 10, 1963	11.95	Dec. 14, 1964	120.44	Jan. 24, 1969	7.58
Dec. 7, 1964	14.25	Feb. 3, 1966	120.35	Jan. 31, 1970	6.94
Jan. 13, 1966	13.15	Dec. 28, 1966	120.54	Feb. 2, 1971	6.90
Dec. 15, 1966	11.76	Dec. 26, 1967	120.19	Jan. 11, 1972	8.60
Dec. 26, 1967	12.10	Jan. 27, 1969	120.28	Jan. 29, 1973	7.96
Jan. 24, 1969	11.50	Feb. 4, 1970	120.22	July 23, 1973	5.90
Jan. 29, 1970	11.67	Nov. 20, 1973	124.59	Oct. 17, 1973	7.76
Feb. 1, 1971	11.76			Jan. 15, 1974	8.75
Jan. 11, 1972	11.76	Well JL-49-23-704		Jan. 21, 1974	9.06
Jan. 29, 1973	14.09	Owner: Columbus P. Brown		Jan. 28, 1974	8.78
Aug. 6, 1973	10.94	Nov. 14, 1956	14.24	Feb. 4, 1974	8.85
Jan. 26, 1975	10.66	Dec. 2, 1957	14.35	Feb. 11, 1974	8.86
Jan. 16, 1976	10.73	Dec. 4, 1958	11.79	Feb. 19, 1974	9.55
Jan. 6, 1977	10.60	Dec. 7, 1959	9.68	Mar. 1, 1974	9.96
		Dec. 5, 1960	9.04	Mar. 25, 1974	8.30
Well JL-49-23-701		Jan. 29, 1962	9.33	Apr. 8, 1974	9.24
Owner: City of El Paso		Dec. 18, 1962	8.74	Apr. 22, 1974	9.56
June 7, 1968	8.44	Dec. 10, 1963	9.64	May 13, 1974	8.10
July 16, 1968	6.74	Dec. 7, 1964	10.52	May 29, 1974	8.27
Oct. 28, 1968	8.08	Jan. 13, 1966	9.87	June 14, 1974	8.03
Jan. 14, 1969	8.38	Dec. 15, 1966	9.02	June 21, 1974	7.90
Mar. 19, 1969	8.16	Dec. 26, 1967	9.30	July 9, 1974	8.00
June 20, 1969	7.39	Jan. 17, 1969	8.70	July 23, 1974	7.99
Sept. 26, 1969	6.10	Feb. 4, 1970	9.57	Aug. 5, 1974	7.11
Dec. 8, 1969	9.89	Feb. 1, 1971	9.50	Sept. 4, 1974	7.51
Mar. 27, 1970	9.60	Jan. 12, 1972	9.78	Oct. 2, 1974	6.62
June 22, 1970	9.28	Jan. 29, 1973	9.80	Oct. 24, 1974	6.56
Sept. 23, 1970	9.04	Aug. 7, 1973	9.10	Nov. 7, 1974	7.06
Jan. 1971	9.27	Jan. 26, 1975	8.85	Nov. 20, 1974	7.43
June 16, 1971	9.37	Jan. 17, 1976	8.67	Dec. 4, 1974	7.64
Oct. 27, 1971	9.54			Dec. 18, 1974	7.79
Well JL-49-23-702		Well JL-49-30-202		Jan. 3, 1975	8.93
Owner: Union "76" Service Station		Owner: Ruth K. Brennan		Jan. 13, 1975	9.15
Sept. 2, 1960	120.90	Nov. 14, 1956	17.53	Feb. 7, 1975	7.52
Dec. 20, 1960	120.90	Dec. 3, 1957	13.34	Feb. 25, 1975	8.35
		Dec. 2, 1958	7.28		

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-30-202—Continued		Well JL-49-30-203		Well JL-49-30-203—Continued	
Mar. 11, 1975	8.91	Owner: Lawrence Dindinger		Nov. 7, 1974	6.71
Mar. 25, 1975	7.40	July 6, 1956	15.65	Nov. 20, 1974	6.54
Apr. 8, 1975	7.62	Nov. 14, 1956	13.91	Dec. 4, 1974	6.94
Apr. 22, 1975	7.78	Dec. 3, 1957	10.44	Dec. 18, 1974	7.10
May 6, 1975	7.79	Dec. 2, 1958	6.38	Jan. 3, 1975	7.25
May 21, 1975	8.00	Dec. 10, 1959	6.80	Jan. 13, 1975	7.32
June 3, 1975	8.10	Dec. 14, 1962	7.55	Feb. 12, 1975	7.25
June 16, 1975	8.31	Dec. 27, 1967	6.87	Feb. 25, 1975	7.37
June 30, 1975	8.65	Jan. 24, 1969	8.02	Mar. 11, 1975	7.36
July 15, 1975	8.03	Jan. 31, 1970	7.40	Mar. 25, 1975	6.80
July 29, 1975	8.15	Feb. 1, 1971	7.77	Apr. 8, 1975	7.10
Aug. 12, 1975	8.43	Jan. 11, 1972	8.43	Apr. 22, 1975	7.14
Sept. 9, 1975	7.34	Jan. 29, 1973	8.55	May 6, 1975	7.16
Sept. 22, 1975	7.86	July 23, 1973	7.70	May 21, 1975	7.30
Oct. 7, 1975	7.60	Oct. 17, 1973	7.46	June 3, 1975	7.25
Oct. 21, 1975	8.00	Jan. 15, 1974	8.16	June 16, 1975	7.78
Nov. 4, 1975	7.84	Jan. 21, 1974	8.33	June 30, 1975	7.28
Nov. 18, 1975	8.22	Jan. 28, 1974	8.35	July 15, 1975	7.63
Dec. 2, 1975	8.18	Feb. 4, 1974	8.32	July 29, 1975	8.08
Dec. 16, 1975	8.40	Feb. 11, 1974	8.34		
Jan. 17, 1976	8.53	Feb. 19, 1974	8.90	Well JL-49-30-303	
Feb. 11, 1976	8.28	Mar. 1, 1974	8.83	Owner: City of El Paso	
Mar. 12, 1976	8.29	Mar. 8, 1974	7.72	June 7, 1968	7.37
Apr. 27, 1976	7.06	Mar. 15, 1974	7.23	July 16, 1968	6.50
May 26, 1976	6.50	Mar. 25, 1974	7.85	Oct. 28, 1968	7.55
June 15, 1976	6.94	Apr. 8, 1974	9.33	Jan. 14, 1969	8.34
July 12, 1976	6.99	Apr. 22, 1974	9.24	Mar. 19, 1969	6.57
Aug. 30, 1976	6.23	May 13, 1974	8.35	June 20, 1969	6.41
Sept. 22, 1976	5.96	May 29, 1974	8.08	Sept. 26, 1969	6.54
Nov. 1, 1976	7.92	June 14, 1974	8.10	Dec. 8, 1969	6.56
Jan. 3, 1977	8.61	June 21, 1974	8.13	Mar. 23, 1970	6.48
Jan. 11, 1977	8.55	July 9, 1974	7.00	June 22, 1970	5.25
Feb. 9, 1977	8.78	July 23, 1974	7.40	Sept. 23, 1970	6.19
Mar. 15, 1977	8.36	Aug. 5, 1974	8.20	Jan. 1971	6.88
Apr. 11, 1977	7.92	Sept. 4, 1974	7.51	June 16, 1971	6.18
May 10, 1977	8.09	Oct. 2, 1974	6.07	Oct. 27, 1971	7.39

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-30-303—Continued		Well JL-49-30-303—Continued		Well JL-49-30-311	
Jan. 1972	8.34	Mar. 11, 1975	6.60	Owner: American Finance & Investment Inc.	
Mar. 23, 1972	6.80	Mar. 25, 1975	6.02	July 6, 1956	14.60
June 29, 1972	8.02	Apr. 8, 1975	6.64	Dec. 27, 1967	11.17
Sept. 25, 1972	8.23	Apr. 22, 1975	6.55	Feb. 1, 1971	10.08
Mar. 22, 1973	8.79	May 6, 1975	6.50	Jan. 11, 1972	11.22
Sept. 17, 1973	6.33	May 21, 1975	6.31	Jan. 29, 1973	14.38
Jan. 17, 1974	9.61	June 3, 1975	6.28	July 24, 1973	8.55
Jan. 21, 1974	9.64	June 16, 1975	6.40	Jan. 26, 1975	8.56
Jan. 28, 1974	9.76	June 30, 1975	6.27	Jan. 17, 1976	8.79
Feb. 4, 1974	9.86	July 15, 1975	6.10	Well JL-49-30-321	
Feb. 11, 1974	9.97	July 29, 1975	6.50	Owner: D. Hernandez	
Feb. 19, 1974	10.02	Aug. 12, 1975	6.21	June 22, 1956	13.15
Mar. 1, 1974	10.10	Sept. 9, 1975	5.95	Nov. 14, 1956	12.31
Mar. 8, 1974	8.87	Sept. 22, 1975	5.96	Dec. 2, 1957	12.58
Mar. 15, 1974	7.34	Oct. 7, 1975	6.39	Dec. 4, 1958	7.53
Mar. 25, 1974	7.12	Oct. 21, 1975	7.03	Dec. 11, 1959	6.55
Apr. 8, 1974	8.43	Nov. 4, 1975	7.03	Dec. 5, 1960	7.36
Apr. 9, 1974	7.13	Nov. 18, 1975	6.74	Jan. 29, 1962	8.06
Apr. 22, 1974	9.18	Dec. 2, 1975	7.15	Dec. 14, 1962	8.30
May 13, 1974	7.04	Dec. 16, 1975	7.23	Dec. 10, 1963	7.98
May 29, 1974	7.00	Jan. 14, 1976	7.51	Dec. 7, 1964	9.68
June 14, 1974	6.30	Feb. 11, 1976	6.98	Jan. 13, 1966	7.95
June 21, 1974	5.60	Mar. 12, 1976	7.52	Dec. 15, 1966	5.68
July 9, 1974	4.87	Apr. 27, 1976	6.15	Dec. 27, 1967	7.70
July 23, 1974	6.39	May 26, 1976	5.76	Jan. 24, 1969	7.77
Aug. 6, 1974	5.40	June 15, 1976	6.31	Jan. 31, 1970	7.25
Sept. 4, 1974	6.59	July 12, 1976	6.09	Feb. 1, 1971	7.59
Oct. 2, 1974	6.05	Aug. 30, 1976	5.85	Jan. 11, 1972	7.70
Oct. 24, 1974	6.41	Sept. 22, 1976	6.14	Jan. 30, 1973	8.72
Nov. 7, 1974	6.35	Nov. 1, 1976	5.63	July 24, 1973	6.20
Nov. 20, 1974	6.05	Dec. 15, 1976	6.76	Jan. 26, 1975	6.05
Dec. 4, 1974	6.30	Jan. 3, 1977	6.70	Jan. 17, 1976	6.37
Dec. 18, 1974	6.48	Feb. 9, 1977	7.28	Jan. 11, 1977	6.03
Jan. 3, 1975	6.43	Mar. 15, 1977	6.48	Well JL-49-30-326	
Jan. 13, 1975	6.52	Apr. 11, 1977	7.29	Owner: Ralph's Farms Inc.	
Feb. 12, 1975	6.81	May 10, 1977	6.64	Nov. 14, 1956	14.97
Feb. 25, 1975	6.98			Dec. 3, 1957	11.61

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-30-326—Continued		Well JL-49-30-326—Continued		Well JL-49-30-326—Continued	
Dec. 2, 1958	5.14	Dec. 4, 1974	8.96	Jan. 11, 1977	6.33
Dec. 10, 1959	5.60	Dec. 18, 1974	6.98	Feb. 9, 1977	7.17
Dec. 14, 1962	6.43	Jan. 3, 1975	7.02	Mar. 15, 1977	7.51
Dec. 10, 1963	6.32	Jan. 13, 1975	7.00	Apr. 11, 1977	7.23
Dec. 7, 1964	10.23	Feb. 12, 1975	7.20	May 10, 1977	6.59
Jan. 13, 1966	6.94	Feb. 25, 1975	7.19		
Dec. 15, 1966	6.14	Mar. 11, 1975	7.18	Well JL-49-30-606	
Dec. 27, 1967	6.14	Mar. 25, 1975	6.66	Owner: Ralph's Farms Inc.	
Jan. 24, 1969	6.53	Apr. 8, 1975	6.61	Nov. 19, 1956	21.50
Jan. 31, 1970	5.83	Apr. 22, 1975	6.65	Dec. 4, 1957	17.58
Feb. 1, 1971	6.30	May 6, 1975	6.76	Dec. 2, 1958	10.35
Jan. 11, 1972	6.55	May 21, 1975	7.07	Dec. 10, 1959	8.86
Jan. 29, 1973	7.03	June 3, 1975	6.98	Dec. 5, 1960	8.18
Jan. 15, 1974	7.91	June 16, 1975	7.07	Jan. 29, 1962	9.84
Jan. 21, 1974	7.83	June 30, 1975	7.03	Dec. 14, 1962	9.04
Jan. 28, 1974	7.95	July 15, 1975	6.60	Dec. 10, 1963	9.52
Feb. 4, 1974	7.99	July 29, 1975	7.30	Dec. 7, 1964	14.66
Feb. 11, 1974	8.15	Aug. 12, 1975	7.38	Jan. 13, 1966	11.77
Feb. 19, 1974	7.98	Sept. 9, 1975	6.52	Dec. 15, 1966	10.79
Mar. 1, 1974	8.22	Sept. 22, 1975	6.46	Dec. 27, 1967	12.03
Mar. 8, 1974	8.91	Oct. 7, 1975	6.70	Jan. 24, 1969	9.88
Mar. 15, 1974	8.08	Oct. 21, 1975	7.34	Jan. 29, 1970	9.57
Mar. 25, 1974	7.33	Nov. 4, 1975	7.55	Feb. 1, 1971	8.95
Apr. 8, 1974	8.40	Nov. 18, 1975	7.57	Jan. 11, 1972	10.06
Apr. 22, 1974	8.61	Dec. 2, 1975	7.78	Jan. 29, 1973	12.32
May 13, 1974	7.46	Dec. 16, 1975	7.83	July 16, 1973	9.82
May 29, 1974	8.31	Jan. 17, 1976	7.08	Jan. 26, 1975	9.08
June 14, 1974	8.36	Feb. 11, 1976	7.53	Jan. 17, 1976	9.23
June 21, 1974	7.28	Mar. 12, 1976	7.70		
July 9, 1974	7.10	Apr. 27, 1976	6.68	Well JL-49-30-613	
July 23, 1974	8.90	May 26, 1976	6.01	Owner: Guillermo Parada	
Aug. 5, 1974	7.70	June 15, 1976	6.15	Nov. 19, 1956	16.30
Sept. 4, 1974	8.60	July 12, 1976	6.25	Dec. 4, 1957	15.50
Oct. 2, 1974	5.66	Aug. 30, 1976	6.64	Jan. 15, 1974	7.66
Oct. 24, 1974	6.53	Sept. 22, 1976	6.43	Jan. 21, 1974	7.67
Nov. 7, 1974	6.25	Nov. 1, 1976	7.04	Jan. 28, 1974	6.93
Nov. 20, 1974	8.66	Jan. 3, 1977	7.12	Feb. 4, 1974	7.82
				Feb. 11, 1974	7.90

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-30-613—Continued		Well JL-49-30-613—Continued		Well JL-49-30-616—Continued	
Feb. 19, 1974	8.66	Sept. 9, 1975	5.09	Jan. 28, 1970	6.39
Mar. 1, 1974	7.90	Sept. 22, 1975	5.08	Feb. 1, 1971	6.74
Mar. 8, 1974	7.63	Oct. 7, 1975	6.03	Jan. 11, 1972	6.53
Mar. 15, 1974	7.69	Oct. 21, 1975	6.64	Jan. 30, 1973	6.82
Mar. 25, 1974	7.90	Nov. 18, 1975	6.69	July 16, 1973	3.90
Apr. 8, 1974	7.94	Dec. 2, 1975	6.88	Jan. 15, 1974	6.64
Apr. 22, 1974	8.09	Dec. 16, 1975	6.93	Jan. 21, 1974	6.97
May 13, 1974	7.28	Feb. 11, 1976	7.06	Jan. 28, 1974	7.42
May 29, 1974	7.20	Mar. 12, 1976	7.29	Feb. 4, 1974	7.20
June 14, 1974	7.02	Apr. 27, 1976	6.25	Feb. 11, 1974	6.65
June 21, 1974	6.55	June 15, 1976	5.61	Feb. 19, 1974	6.64
July 9, 1974	5.19	July 12, 1976	5.78	Mar. 1, 1974	6.80
July 23, 1974	6.00	Aug. 30, 1976	5.83	Mar. 8, 1974	6.40
Aug. 6, 1974	6.26	Sept. 22, 1976	5.97	Mar. 15, 1974	6.19
Sept. 4, 1974	6.18	Nov. 1, 1976	6.78	Mar. 25, 1974	5.77
Oct. 2, 1974	4.30	Jan. 3, 1977	6.43	Apr. 8, 1974	7.23
Oct. 24, 1974	4.95	Feb. 9, 1977	6.94	Apr. 22, 1974	7.44
Nov. 7, 1974	5.26	Mar. 15, 1977	6.97	May 13, 1974	6.46
Nov. 20, 1974	5.75	Apr. 11, 1977	6.75	May 29, 1974	6.48
Dec. 4, 1974	6.22	May 10, 1977	6.95	June 14, 1974	6.85
Dec. 18, 1974	6.50			June 21, 1974	5.73
Jan. 3, 1975	6.59	Well JL-49-30-616		July 9, 1974	4.65
Jan. 13, 1975	6.68	Owner: Quintana and Cordova Sanchez		July 23, 1974	5.70
Feb. 12, 1975	6.70	June 26, 1956	11.27	Aug. 6, 1974	6.30
Feb. 25, 1975	6.90	Nov. 19, 1956	11.56	Sept. 4, 1974	6.08
Mar. 11, 1975	6.78	Dec. 4, 1957	10.21	Oct. 2, 1974	3.95
Mar. 25, 1975	6.33	Dec. 2, 1958	5.43	Oct. 24, 1974	4.23
Apr. 8, 1975	6.28	Dec. 10, 1959	5.30	Nov. 7, 1974	4.93
Apr. 22, 1975	6.25	Dec. 5, 1960	6.04	Nov. 20, 1974	5.00
May 6, 1975	6.30	Jan. 29, 1962	5.42	Dec. 4, 1974	5.22
May 21, 1975	6.37	Dec. 14, 1962	5.60	Dec. 18, 1974	5.53
June 3, 1975	6.25	Dec. 10, 1963	5.67	Jan. 3, 1975	5.64
June 16, 1975	6.20	Dec. 7, 1964	9.70	Jan. 13, 1975	5.73
June 30, 1975	6.02	Jan. 13, 1966	6.80	Feb. 12, 1975	5.85
July 15, 1975	5.89	Dec. 15, 1966	6.38	Feb. 25, 1975	5.83
July 29, 1975	6.08	Dec. 27, 1967	6.77	Mar. 11, 1975	5.84
Aug. 12, 1975	6.40	Jan. 24, 1969	6.50	Mar. 25, 1975	4.96

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-30-616—Continued		Well JL-49-31-101—Continued		Well JL-49-31-101—Continued	
Apr. 8, 1975	4.98	Oct. 28, 1968	7.88	Apr. 9, 1974	7.53
Apr. 22, 1975	5.34	Jan. 14, 1969	8.58	Apr. 22, 1974	8.58
May 6, 1975	5.69	Mar. 19, 1969	6.82	May 13, 1974	7.50
May 21, 1975	5.80	June 20, 1969	6.84	June 14, 1974	7.20
June 3, 1975	5.27	Sept. 26, 1969	6.93	June 21, 1974	6.86
June 16, 1975	5.86	Dec. 8, 1969	8.22	July 9, 1974	6.64
June 30, 1975	5.36	Mar. 23, 1970	7.67	July 23, 1974	6.95
July 15, 1975	5.06	June 22, 1970	6.66	Aug. 6, 1974	6.67
July 29, 1975	5.25	Sept. 23, 1970	6.00	Sept. 4, 1974	6.47
Aug. 12, 1975	5.46	Jan. 1971	8.00	Oct. 2, 1974	3.85
Sept. 9, 1975	4.50	June 16, 1971	7.04	Oct. 24, 1974	5.28
Sept. 22, 1975	4.40	Oct. 27, 1971	7.85	Nov. 7, 1974	5.89
Oct. 7, 1975	4.99	Jan. 1972	8.72	Nov. 20, 1974	6.25
Oct. 21, 1975	4.93	Mar. 23, 1972	7.93	Dec. 4, 1974	6.60
Nov. 4, 1975	5.57	June 29, 1972	8.13	Dec. 18, 1974	6.90
Nov. 18, 1975	5.59	Sept. 25, 1972	9.30	Jan. 3, 1975	7.20
Dec. 2, 1975	5.64	Mar. 22, 1973	8.26	Jan. 13, 1975	7.30
Dec. 16, 1975	5.81	Sept. 17, 1973	7.28	Feb. 12, 1975	7.18
Jan. 17, 1976	5.70	Oct. 1, 1973	7.10	Feb. 25, 1975	7.50
Feb. 11, 1976	5.65	Oct. 9, 1973	6.64	Mar. 11, 1975	6.75
Mar. 12, 1976	5.66	Oct. 15, 1973	6.90	Mar. 25, 1975	6.91
Apr. 27, 1976	4.82	Oct. 23, 1973	7.15	Apr. 8, 1975	6.52
May 26, 1976	4.38	Oct. 30, 1973	7.32	Apr. 22, 1975	6.78
June 15, 1976	4.74	Nov. 12, 1973	7.62	May 6, 1975	6.69
July 12, 1976	4.99	Nov. 19, 1973	7.75	May 21, 1975	6.70
Aug. 30, 1976	5.83	Dec. 18, 1973	7.81	June 3, 1975	6.37
Sept. 22, 1976	4.86	Dec. 27, 1973	8.04	June 16, 1975	7.00
Nov. 1, 1976	6.12	Jan. 2, 1974	8.12	June 30, 1975	7.13
Jan. 3, 1977	6.11	Jan. 17, 1974	8.23	July 15, 1975	7.00
Jan. 11, 1977	6.08	Jan. 28, 1974	8.31	July 29, 1975	6.60
Feb. 9, 1977	6.21	Feb. 4, 1974	8.38	Aug. 12, 1975	6.84
Mar. 15, 1977	6.06	Feb. 11, 1974	8.44	Sept. 9, 1975	6.90
Apr. 11, 1977	6.55	Feb. 19, 1974	8.47	Sept. 22, 1975	6.69
May 10, 1977	7.17	Mar. 1, 1974	9.58	Oct. 7, 1975	6.69
		Mar. 8, 1974	9.72	Oct. 21, 1975	7.19
		Mar. 15, 1974	7.32	Nov. 4, 1975	7.04
		Mar. 25, 1974	7.58	Nov. 18, 1975	7.48
		Apr. 8, 1974	9.10	Dec. 2, 1975	7.71
Well JL-49-31-101					
Owner: City of El Paso					
June 7, 1968	7.37				
July 16, 1968	6.57				

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-31-101—Continued		Well JL-49-31-119—Continued		Well JL-49-31-131—Continued	
Dec. 16, 1975	7.80	July 12, 1973	7.30	Dec. 10, 1963	8.40
Jan. 14, 1976	8.09	Jan. 26, 1975	7.09	Dec. 7, 1964	11.45
Feb. 11, 1976	7.67	Jan. 17, 1976	6.99	Jan. 13, 1966	10.02
Mar. 12, 1976	7.32	Jan. 11, 1977	7.47	Dec. 15, 1966	7.15
Apr. 27, 1976	6.99			Dec. 14, 1967	8.49
May 26, 1976	6.28	Well JL-49-31-124		Dec. 27, 1967	9.42
June 15, 1976	5.21	Owner: J. G. and M. D. Britton		Jan. 25, 1969	8.08
July 12, 1976	5.55	June 26, 1956	19.78	Jan. 29, 1970	9.42
Aug. 30, 1976	6.52	Nov. 16, 1956	17.87	Feb. 1, 1971	8.70
Sept. 22, 1976	6.19	Nov. 27, 1957	17.94	Jan. 11, 1972	8.98
Nov. 1, 1976	6.78	Dec. 3, 1958	13.68	Jan. 29, 1973	9.62
Dec. 15, 1976	7.53	Dec. 7, 1959	9.43	July 12, 1973	7.44
Jan. 3, 1977	6.52	Dec. 18, 1962	8.64	Jan. 26, 1975	6.98
Feb. 9, 1977	7.61	Dec. 26, 1967	8.94	Jan. 17, 1976	7.57
Mar. 15, 1977	7.69	Jan. 17, 1969	8.82	Jan. 11, 1977	7.68
Apr. 11, 1977	6.90	Jan. 29, 1970	9.55		
May 10, 1977	7.19	Feb. 1, 1971	9.19	Well JL-49-31-201	
		Jan. 11, 1972	9.53	Owner: H. D. Zachry	
Well JL-49-31-119		Jan. 26, 1975	8.35	Feb. 3, 1960	154.08
Owner: Martin Lettunich		Jan. 17, 1976	8.75	Dec. 20, 1960	144.20
July 20, 1956	22.80	Jan. 11, 1977	8.74	Feb. 5, 1962	142.68
Nov. 16, 1956	19.31			Dec. 13, 1962	141.90
Nov. 29, 1957	16.06	Well JL-49-31-131		Dec. 11, 1963	141.65
Dec. 3, 1958	12.55	Owner: Earl Eads		Dec. 14, 1964	142.35
Dec. 7, 1959	9.25	June 22, 1956	13.69	Dec. 28, 1966	141.73
Dec. 5, 1960	8.22	July 17, 1956	13.84	Dec. 26, 1967	141.92
Jan. 29, 1962	8.66	July 26, 1956	13.95	Jan. 27, 1969	141.68
Dec. 18, 1962	7.80	Aug. 27, 1956	14.16	Feb. 4, 1970	141.68
Dec. 10, 1963	8.35	Sept. 27, 1956	14.36	Jan. 13, 1972	141.60
Dec. 7, 1964	9.96	Oct. 29, 1956	14.57	Jan. 31, 1973	141.44
Jan. 13, 1966	9.35	Nov. 28, 1956	14.32	Jan. 26, 1975	140.90
Dec. 15, 1966	7.71	Feb. 15, 1957	14.28	Jan. 17, 1976	141.16
Dec. 26, 1967	7.43	Nov. 19, 1957	13.27	Jan. 11, 1977	141.13
Jan. 17, 1969	7.70	Dec. 4, 1958	8.76		
Jan. 29, 1970	7.89	Dec. 10, 1959	6.64	Well JL-49-31-409	
Feb. 1, 1971	8.02	Dec. 5, 1960	8.18	Owner: T. W. Dorough	
Jan. 12, 1972	7.88	Jan. 29, 1962	8.93	June 22, 1956	17.59
				Jan. 21, 1959	10.54

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-31-409—Continued		Well JL-49-31-425—Continued		Well JL-49-31-507	
Dec. 10, 1959	7.10	Dec. 14, 1962	7.48	Owner: R. Williams	
Dec. 5, 1960	7.26	Dec. 10, 1963	8.18	Aug. 1, 1956	15.32
Jan. 29, 1962	7.64	Dec. 7, 1964	11.66	Nov. 15, 1956	15.54
Dec. 14, 1962	7.08	Jan. 13, 1966	9.65	Nov. 27, 1957	17.45
Dec. 10, 1963	7.62	Dec. 15, 1966	7.42	Dec. 3, 1958	13.84
Dec. 7, 1964	11.58	Dec. 27, 1967	8.62	Dec. 7, 1959	10.39
Jan. 13, 1966	10.15	Jan. 9, 1969	7.92	Dec. 26, 1962	8.55
Dec. 15, 1966	7.34	Jan. 29, 1970	8.07	Dec. 26, 1967	8.96
Dec. 27, 1967	8.47	Feb. 2, 1971	7.32	Jan. 17, 1969	11.26
Jan. 24, 1969	7.90	Jan. 11, 1972	8.09	Jan. 29, 1970	11.60
Jan. 29, 1970	7.45	Jan. 30, 1973	8.61	Feb. 2, 1971	11.05
Feb. 1, 1971	7.31	Jan. 26, 1975	6.58	Well JL-49-31-516	
Jan. 11, 1972	7.25	Jan. 17, 1976	6.41	Owner: C. S. Wakeem et al.	
Jan. 29, 1973	8.36	Jan. 11, 1977	7.08	Nov. 15, 1956	20.01
Jan. 26, 1975	5.36	Well JL-49-31-501		Nov. 27, 1957	18.92
Jan. 17, 1976	5.93	Owner: Lee & Beulah Moor Children's Home		Dec. 3, 1958	16.44
Jan. 11, 1977	5.90	Aug. 2, 1956	23.40	Dec. 8, 1959	13.95
Well JL-49-31-424		Jan. 21, 1959	9.86	Dec. 5, 1960	12.73
Owner: Jerry Rogers Inc.		Dec. 10, 1959	6.95	Jan. 29, 1962	13.02
Aug. 1, 1956	30.58	Dec. 5, 1960	7.31	Dec. 18, 1962	11.75
Dec. 27, 1967	9.20	Jan. 29, 1962	7.92	Dec. 10, 1963	11.76
Jan. 17, 1969	7.54	Dec. 14, 1962	7.15	Dec. 7, 1964	13.75
Jan. 29, 1970	7.14	Dec. 10, 1963	7.04	Jan. 13, 1966	14.25
Feb. 2, 1971	6.48	Dec. 7, 1964	9.54	Dec. 15, 1966	12.44
Jan. 11, 1972	7.73	Jan. 13, 1966	8.66	Dec. 26, 1967	12.14
Jan. 31, 1973	11.32	Dec. 15, 1966	6.92	Jan. 17, 1969	11.60
Jan. 26, 1975	6.20	Dec. 27, 1967	7.64	Jan. 29, 1970	11.87
Jan. 17, 1976	6.77	Jan. 9, 1969	7.60	Feb. 2, 1971	11.65
Jan. 11, 1977	6.51	Jan. 29, 1970	7.88	Jan. 12, 1972	11.59
Well JL-49-31-425		Feb. 2, 1971	7.58	Jan. 31, 1973	11.37
Owner: Jerry Rogers Inc.		Jan. 11, 1972	7.85	July 5, 1973	10.12
Jan. 21, 1959	11.89	Jan. 30, 1973	8.87	Jan. 26, 1975	9.68
Dec. 10, 1959	8.05	July 3, 1973	7.01	Jan. 26, 1976	9.68
Dec. 5, 1960	7.34	Jan. 26, 1975	7.11	Jan. 11, 1977	7.38
Jan. 29, 1962	8.34	Jan. 17, 1976	6.99		
		Jan. 11, 1977	7.38		

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-31-601		Well JL-49-31-715		Well JL-49-31-717—Continued	
Owner: Strain Brothers		Owner: Lee & Beulah Moor Children's Home		Apr. 8, 1974	10.49
Sept. 2, 1960	184.01	Aug. 2, 1956	24.49	Apr. 22, 1974	9.72
Dec. 20, 1960	183.85	Jan. 21, 1959	16.65	May 13, 1974	9.38
Feb. 5, 1962	183.23	Feb. 3, 1960	10.80	May 29, 1974	9.54
Dec. 13, 1962	182.95	Dec. 14, 1962	10.35	June 14, 1974	9.62
Dec. 11, 1963	182.70	Dec. 26, 1967	11.78	June 21, 1974	9.20
Dec. 14, 1964	182.80	Jan. 17, 1969	10.34	July 9, 1974	8.30
Dec. 28, 1966	183.40	Jan. 29, 1970	10.28	July 23, 1974	8.60
Dec. 27, 1967	183.10	Feb. 2, 1971	8.50	Aug. 6, 1974	8.60
Feb. 10, 1975	181.66	Jan. 11, 1972	8.12	Sept. 4, 1974	8.95
Jan. 17, 1976	181.46	Jan. 31, 1973	10.60	Oct. 2, 1974	8.10
Jan. 11, 1977	181.21			Oct. 24, 1974	8.49
Well JL-49-31-710		Well JL-49-31-717		Nov. 7, 1974	8.77
Owner: Lee & Beulah Moor Children's Home		Owner: Sam Orr		Nov. 20, 1974	8.94
Nov. 12, 1956	29.99	Aug. 10, 1956	22.79	Dec. 4, 1974	9.09
Nov. 26, 1957	24.08	Nov. 12, 1956	19.43	Dec. 18, 1974	9.22
Dec. 1, 1958	12.86	Nov. 26, 1957	19.63	Jan. 3, 1975	9.25
Dec. 10, 1959	9.89	Dec. 1, 1958	10.20	Jan. 13, 1975	9.28
Dec. 5, 1960	9.15	Dec. 9, 1959	9.23	Feb. 12, 1975	9.27
Jan. 29, 1962	10.53	Dec. 26, 1962	10.14	Feb. 25, 1975	9.30
Dec. 13, 1962	10.20	Dec. 27, 1967	10.12	Mar. 11, 1975	8.56
Dec. 10, 1963	12.66	Jan. 9, 1969	8.74	Mar. 25, 1975	9.02
Dec. 7, 1964	23.42	Jan. 29, 1970	7.69	Apr. 8, 1975	9.09
Jan. 13, 1966	16.00	Feb. 2, 1971	7.10	Apr. 22, 1975	9.22
Dec. 15, 1966	8.69	Jan. 11, 1972	7.59	May 6, 1975	9.27
Dec. 27, 1967	14.63	Jan. 31, 1973	9.86	May 21, 1975	9.37
Jan. 9, 1969	9.92	Jan. 15, 1974	9.79	June 3, 1975	9.18
Jan. 29, 1970	9.80	Jan. 21, 1974	9.76	June 16, 1975	9.60
Feb. 2, 1971	9.32	Jan. 28, 1974	9.80	June 30, 1975	9.44
Jan. 11, 1972	11.55	Feb. 4, 1974	9.77	July 15, 1975	9.52
Jan. 30, 1973	13.88	Feb. 11, 1974	9.80	July 29, 1975	9.09
June 13, 1973	9.74	Feb. 19, 1974	9.94	Aug. 12, 1975	9.20
Jan. 27, 1975	9.74	Mar. 1, 1974	9.83	Sept. 9, 1975	8.67
Jan. 17, 1976	9.72	Mar. 8, 1974	9.94	Sept. 22, 1975	8.62
Jan. 11, 1977	9.42	Mar. 15, 1974	9.57	Oct. 7, 1975	8.92
		Mar. 25, 1974	9.40	Oct. 21, 1975	9.13

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-31-717—Continued		Well JL-49-31-814		Well JL-49-31-903—Continued	
Nov. 4, 1975	9.25	Owner: Hiram Whitaker		Dec. 3, 1958	17.99
Nov. 18, 1975	9.28	Jan. 21, 1959	13.06	Dec. 8, 1959	15.68
Dec. 2, 1975	9.37	Feb. 3, 1960	7.98	Dec. 5, 1960	13.17
Dec. 16, 1975	9.37	Dec. 5, 1960	6.78	Jan. 29, 1962	13.27
Jan. 17, 1976	9.45	Jan. 29, 1962	7.50	Dec. 18, 1962	12.40
Feb. 11, 1976	9.33	Dec. 14, 1962	6.50	Dec. 10, 1963	12.60
Mar. 12, 1976	9.48	Dec. 10, 1963	6.52	Dec. 7, 1964	16.50
Apr. 27, 1976	9.11	Dec. 7, 1964	12.47	Jan. 13, 1966	16.72
May 26, 1976	9.91	Jan. 13, 1966	11.64	Dec. 15, 1966	14.05
June 15, 1976	8.80	Dec. 15, 1966	7.40	Dec. 26, 1967	14.15
July 12, 1976	9.30	Dec. 27, 1967	7.90	Jan. 17, 1969	13.55
Aug. 30, 1976	9.30	Jan. 9, 1969	7.02	Jan. 29, 1970	12.92
Sept. 22, 1976	9.18	Jan. 29, 1970	6.92	Feb. 2, 1971	12.50
Nov. 1, 1976	9.80	Feb. 2, 1971	7.16	Jan. 12, 1972	12.37
Jan. 3, 1977	9.07	Jan. 11, 1972	8.10	Jan. 31, 1973	13.45
Jan. 11, 1977	9.04	Jan. 30, 1973	10.35	Jan. 18, 1974	12.14
Feb. 9, 1977	9.03	Feb. 10, 1975	6.73	Jan. 26, 1975	11.09
Mar. 15, 1977	9.47	Jan. 17, 1976	6.79	Jan. 17, 1976	10.89
Apr. 11, 1977	9.69	Jan. 11, 1977	6.36	Jan. 11, 1977	11.10
May 10, 1977	10.46				
Well JL-49-31-808		Well JL-49-31-824		Well JL-49-39-101	
Owner: A. R. Miller, Jr. and Martha Miller		Owner: Rawls Estate		Owner: W. A. Rawls Ranch	
Nov. 15, 1956	21.76	Aug. 7, 1956	35.25	Mar. 9, 1953	12.41
Nov. 27, 1957	21.30	Dec. 27, 1967	12.53	Jan. 19, 1954	14.48
Dec. 3, 1958	16.10	Jan. 9, 1969	8.80	Jan. 30, 1955	18.67
Dec. 8, 1959	10.35	Jan. 29, 1970	7.42	Jan. 31, 1956	23.24
Dec. 18, 1962	8.65	Feb. 2, 1971	7.54	Aug. 10, 1956	26.10
Dec. 26, 1967	10.70	Jan. 11, 1972	9.65	Jan. 21, 1957	27.28
Jan. 17, 1969	9.92	Jan. 31, 1973	12.02	Nov. 26, 1957	23.70
Jan. 29, 1970	10.49	Feb. 10, 1975	7.20	Jan. 28, 1958	26.94
Feb. 2, 1971	9.70	Jan. 17, 1976	7.07	Jan. 19, 1959	22.79
Jan. 12, 1972	10.66	Jan. 11, 1977	6.95	Feb. 23, 1961	10.18
Jan. 31, 1973	12.21			Dec. 4, 1961	13.58
Jan. 26, 1975	9.82	Well JL-49-31-903		Feb. 12, 1962	12.98
		Owner: J. P. Miller Farms Inc.		Dec. 13, 1962	9.36
		Nov. 15, 1956	19.96	Dec. 11, 1963	15.20
		Nov. 27, 1957	20.42		

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-39-101—Continued		Well JL-49-39-202—Continued		Well JL-49-39-202—Continued	
Dec. 14, 1964	31.04	Dec. 8, 1969	+46.20	June 21, 1974	+23.10
Feb. 10, 1966	29.94	Mar. 23, 1970	+46.20	July 9, 1974	+20.79
Dec. 28, 1966	25.80	June 22, 1970	+43.89	July 23, 1974	+21.95
Jan. 12, 1968	27.50	Dec. 21, 1970	+43.89	Aug. 6, 1974	+21.95
Jan. 27, 1969	24.44	Apr. 7, 1971	+30.03	Sept. 4, 1974	+20.79
Well JL-49-39-102		June 16, 1971	+27.72	Oct. 2, 1974	+21.95
Owner: Claude Davis		Oct. 21, 1971	+13.86	Oct. 24, 1974	+21.95
Nov. 12, 1956	27.93	Jan. 10, 1972	+19.64	Nov. 7, 1974	+20.79
Nov. 26, 1957	24.08	Mar. 23, 1972	+20.79	Nov. 20, 1974	+19.64
Dec. 1, 1958	16.74	Sept. 25, 1972	+ 6.93	Dec. 4, 1974	+20.79
Dec. 9, 1959	11.12	Dec. 5, 1972	+13.86	Dec. 18, 1974	+20.79
Dec. 5, 1960	10.56	Mar. 22, 1973	+17.33	Jan. 3, 1975	+20.79
Jan. 29, 1962	11.78	Sept. 17, 1973	+16.17	Jan. 13, 1975	+20.79
Dec. 13, 1962	11.08	Oct. 1, 1973	+18.48	Feb. 12, 1975	+20.79
Dec. 10, 1963	12.44	Oct. 9, 1973	+20.79	Feb. 25, 1975	+20.79
Dec. 7, 1964	18.25	Oct. 15, 1973	+23.10	Mar. 11, 1975	+21.95
Jan. 13, 1966	15.60	Oct. 23, 1973	+23.10	Mar. 25, 1975	+21.95
Dec. 28, 1966	11.50	Oct. 30, 1973	+20.79	Apr. 8, 1975	+21.95
Dec. 27, 1967	11.62	Nov. 12, 1973	+23.10	May 6, 1975	+21.95
Jan. 9, 1969	11.30	Nov. 19, 1973	+20.79	May 21, 1975	+27.72
Jan. 29, 1970	11.22	Nov. 29, 1973	+21.95	June 3, 1975	+27.72
Feb. 2, 1971	11.53	Dec. 18, 1973	+23.10	June 16, 1975	+24.41
Jan. 11, 1972	11.56	Dec. 27, 1973	+23.10	June 30, 1975	+26.57
Jan. 31, 1973	13.82	Jan. 2, 1974	+23.10	July 15, 1975	+24.26
Oct. 24, 1973	10.92	Jan. 15, 1974	+23.10	July 29, 1975	+24.26
Feb. 27, 1975	10.37	Jan. 21, 1974	+23.10	Aug. 12, 1975	+24.26
Jan. 17, 1976	11.09	Jan. 28, 1974	+23.10	Sept. 9, 1975	+23.10
Jan. 11, 1977	11.05	Feb. 4, 1974	+23.10	Sept. 22, 1975	+23.10
Well JL-49-39-202		Feb. 11, 1974	+23.10	Oct. 7, 1975	+23.10
Owner: City of El Paso		Feb. 19, 1974	+23.10	Oct. 21, 1975	+23.10
(Flowing artesian well—water levels above land-surface datum)		Mar. 1, 1974	+23.10	Nov. 4, 1975	+23.10
Jan. 14, 1969	+39.96	Mar. 8, 1974	+23.10	Nov. 18, 1975	+23.10
Mar. 19, 1969	+47.12	Mar. 15, 1974	+20.79	Dec. 2, 1975	+23.10
June 20, 1969	+36.27	Mar. 25, 1974	+23.10	Dec. 16, 1975	+23.10
Sept. 26, 1969	+46.20	Apr. 8, 1974	+21.95	Feb. 11, 1976	+23.10
		May 13, 1974	+21.95	Mar. 12, 1976	+23.10

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-39-202—Continued		Well JL-49-39-204—Continued		Well JL-49-39-231—Continued	
Apr. 27, 1976	+23.10	Jan. 31, 1973	9.09	Jan. 18, 1976	6.02
May 26, 1976	+23.10	Oct. 25, 1973	6.49	Jan. 12, 1977	5.70
June 15, 1976	+23.10	Jan. 27, 1975	6.81		
July 12, 1976	+25.10	Jan. 17, 1976	6.68	Well JL-49-39-311	
Aug. 30, 1976	+25.10	Jan. 12, 1977	6.36	Owner: R. F. Cook	
Sept. 22, 1976	+25.10			Nov. 13, 1956	21.82
Nov. 1, 1976	+25.10	Well JL-49-39-218		Nov. 27, 1957	20.65
Jan. 3, 1977	+25.10	Owner: Fabens Production Inc.		Dec. 3, 1958	14.49
Feb. 9, 1977	+25.10	Mar. 9, 1953	13.28	Dec. 8, 1959	9.06
Mar. 15, 1977	+25.10	Aug. 13, 1956	29.85	Dec. 5, 1960	7.43
Apr. 11, 1977	+25.10	Feb. 12, 1962	10.91	Jan. 29, 1962	8.92
May 10, 1977	+23.10	Dec. 13, 1962	11.89	Dec. 13, 1962	8.30
		Dec. 11, 1963	8.17	Dec. 10, 1963	7.93
		Dec. 14, 1964	17.28	Dec. 7, 1964	14.30
Well JL-49-39-204		Feb. 10, 1966	19.30	Jan. 13, 1966	13.47
Owner: Paul and Lillian Thomas		Dec. 28, 1966	17.44	Dec. 28, 1966	8.54
Mar. 10, 1953	9.24			Dec. 26, 1967	7.38
Jan. 18, 1954	9.20	Well JL-49-39-231		Jan. 17, 1969	7.95
Jan. 30, 1955	13.71	Owner: Leisure Valley Farms		Jan. 31, 1970	7.53
Jan. 31, 1956	16.56	Nov. 12, 1956	11.02	Feb. 2, 1971	7.17
Aug. 3, 1956	19.60	Nov. 27, 1956	10.09	Jan. 12, 1972	8.17
Aug. 7, 1956	18.58	Dec. 1, 1958	6.58	Jan. 31, 1973	9.27
Aug. 27, 1956	19.75	Dec. 9, 1959	5.03	Nov. 29, 1973	7.78
Oct. 29, 1956	18.70	Dec. 5, 1960	4.48	Jan. 27, 1975	7.41
Nov. 28, 1956	18.81	Jan. 29, 1962	5.72	Jan. 18, 1976	7.39
Jan. 21, 1957	18.85	Dec. 13, 1962	5.23	Jan. 12, 1977	7.32
Nov. 19, 1957	19.55	Dec. 10, 1963	5.72		
Jan. 19, 1959	13.15	Dec. 7, 1964	7.77	Well JL-49-39-321	
Dec. 9, 1959	7.20	Jan. 13, 1966	6.72	Owner: J. R. Wadsworth Estate	
Dec. 5, 1960	6.35	Mar. 8, 1967	4.88	Aug. 17, 1956	23.20
Jan. 29, 1962	8.31	Dec. 26, 1967	5.34	Nov. 13, 1956	21.48
Dec. 14, 1962	7.40	Jan. 17, 1969	5.19	Nov. 27, 1957	21.58
Dec. 10, 1963	8.10	Jan. 29, 1970	5.62	Dec. 3, 1958	14.47
Jan. 17, 1969	8.30	Jan. 11, 1972	5.73	Dec. 8, 1959	8.50
Dec. 9, 1969	6.89	Jan. 31, 1973	7.17	Dec. 5, 1960	7.93
Jan. 29, 1970	7.16	Oct. 26, 1973	3.24	Jan. 29, 1962	8.43
Feb. 2, 1971	6.89	Jan. 27, 1975	5.69	Dec. 13, 1962	8.15
Jan. 11, 1972	7.73				

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-39-321—Continued		Well JL-49-39-334—Continued		Well JL-49-39-601—Continued	
Dec. 10, 1963	10.76	Dec. 8, 1959	8.45	Dec. 10, 1963	6.70
Dec. 7, 1964	13.20	Jan. 29, 1960	8.80	Dec. 7, 1964	10.56
Dec. 26, 1967	7.09	Jan. 29, 1962	8.16	Jan. 13, 1966	7.65
Jan. 17, 1969	6.92	Dec. 13, 1962	7.56	Dec. 28, 1966	5.57
Jan. 31, 1970	7.20	Jan. 13, 1966	11.15	Dec. 26, 1967	5.42
Feb. 2, 1971	7.64	Dec. 28, 1966	7.00	Jan. 17, 1969	5.96
Jan. 12, 1972	9.80	Dec. 26, 1967	5.65	Jan. 31, 1970	5.34
Jan. 31, 1973	8.67	Jan. 17, 1969	5.74	Feb. 2, 1971	5.52
Nov. 29, 1973	7.11	Jan. 31, 1970	5.33	Jan. 12, 1972	6.45
Well JL-49-39-328		Feb. 2, 1971	6.89	Jan. 31, 1973	6.54
Owner: Leo R. Schuster, Jr.		Jan. 12, 1972	7.17	Oct. 25, 1973	7.10
Aug. 3, 1956	34.70	Jan. 31, 1973	10.37	Feb. 10, 1975	6.93
Dec. 26, 1967	8.64	Nov. 20, 1973	7.74	Jan. 18, 1976	7.47
Jan. 17, 1969	8.82	Jan. 27, 1975	8.51	Jan. 12, 1977	5.28
Jan. 31, 1970	7.07	Jan. 18, 1976	8.56	Well JL-49-39-602	
Feb. 2, 1971	7.45	Jan. 12, 1977	8.28	Owner: Lettunich Farms, Inc.	
Jan. 11, 1972	8.05	Well JL-49-39-601		Mar. 8, 1967	9.26
Jan. 31, 1973	9.90	Owner: Mary Segulia Estate		Dec. 26, 1967	9.87
Nov. 19, 1973	7.06	Mar. 10, 1953	7.77	Jan. 17, 1968	9.55
Jan. 27, 1975	6.95	Jan. 18, 1954	7.53	Jan. 31, 1970	9.79
Jan. 18, 1976	6.98	Jan. 30, 1955	13.33	Feb. 2, 1971	9.24
Jan. 12, 1977	6.44	Jan. 31, 1956	15.05	Jan. 12, 1972	10.18
Well JL-49-39-334		Aug. 17, 1956	21.13	Jan. 31, 1973	10.25
Owner: R. T. Hoover		Aug. 27, 1956	18.53	Nov. 27, 1973	9.19
Mar. 9, 1953	10.42	Sept. 27, 1956	18.22	Feb. 10, 1975	9.44
Jan. 18, 1954	9.06	Oct. 28, 1956	17.66	Jan. 18, 1976	9.82
Jan. 30, 1955	13.79	Nov. 28, 1956	17.44	Jan. 12, 1977	9.69
Jan. 31, 1956	16.22	Jan. 15, 1957	17.02	Well JL-49-39-605	
Sept. 27, 1956	23.49	Jan. 21, 1957	17.08	Owner: Jesus Vasquez Farms Inc.	
Oct. 29, 1956	20.83	Nov. 20, 1957	17.47	Nov. 12, 1956	13.92
Nov. 28, 1956	20.13	Dec. 1, 1958	9.73	Nov. 27, 1957	11.00
Jan. 21, 1957	19.24	Jan. 19, 1959	9.77	Dec. 1, 1958	6.92
Feb. 15, 1957	19.49	Dec. 9, 1959	6.68	Dec. 9, 1959	6.38
Nov. 19, 1957	20.44	Dec. 5, 1960	6.17	Dec. 5, 1960	6.48
Dec. 3, 1958	13.64	Jan. 29, 1962	7.23	Jan. 29, 1962	7.34
		Dec. 13, 1962	6.35		

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-39-605—Continued		Well JL-49-39-612—Continued		Well JL-49-39-612—Continued	
Dec. 13, 1962	6.97	Nov. 7, 1974	6.38	Nov. 1, 1976	7.37
Dec. 10, 1963	7.24	Nov. 20, 1974	6.72	Jan. 3, 1977	7.49
Dec. 7, 1964	8.76	Dec. 4, 1974	7.39	Feb. 9, 1977	7.91
Jan. 13, 1966	6.88	Dec. 18, 1974	6.45	Mar. 15, 1977	7.33
Dec. 28, 1966	5.76	Jan. 3, 1975	7.55	Apr. 11, 1977	7.44
Dec. 26, 1967	6.89	Jan. 13, 1975	7.65	May 10, 1977	7.41
Jan. 17, 1969	6.93	Feb. 12, 1975	7.35		
Jan. 31, 1970	6.83	Feb. 25, 1975	7.62	Well JL-49-40-104	
Jan. 11, 1972	7.00	Mar. 11, 1975	7.66	Owner: H. D. Zachry	
Jan. 31, 1973	6.80	Mar. 25, 1975	7.11	Sept. 2, 1960	211.40
Nov. 27, 1973	5.90	Apr. 8, 1975	6.83	Dec. 20, 1960	211.40
Feb. 10, 1975	5.91	Apr. 22, 1975	6.99	Dec. 13, 1962	210.80
Jan. 18, 1976	6.21	May 6, 1975	6.56	Dec. 11, 1963	211.02
Jan. 12, 1977	6.23	May 21, 1975	6.58	Dec. 14, 1964	211.32
		June 3, 1975	6.18	Dec. 28, 1966	211.90
Well JL-49-39-612		June 16, 1975	6.78	Dec. 27, 1967	211.88
Owner: J. H. Marchbanks		June 30, 1975	7.12	Jan. 27, 1969	211.32
Nov. 27, 1973	7.75	July 15, 1975	6.29	Jan. 27, 1970	211.18
Jan. 15, 1974	8.35	July 29, 1975	6.47	Jan. 13, 1972	211.00
Jan. 21, 1974	8.10	Aug. 12, 1975	6.21	Jan. 31, 1973	210.72
Jan. 28, 1974	8.17	Sept. 9, 1975	5.37	Oct. 26, 1973	210.78
Feb. 4, 1974	8.23	Sept. 22, 1975	5.80	Jan. 27, 1975	210.53
Feb. 11, 1974	8.27	Oct. 7, 1975	5.81	Jan. 18, 1976	210.22
Feb. 19, 1974	8.31	Oct. 21, 1975	6.79	Jan. 12, 1977	289.34
Mar. 1, 1974	8.29	Nov. 4, 1975	7.06		
Mar. 8, 1974	8.43	Nov. 18, 1975	7.24	Well JL-49-40-403	
Apr. 8, 1974	7.92	Dec. 2, 1975	7.30	Owner: Delphia Rhodes	
Apr. 22, 1974	7.78	Dec. 16, 1975	7.56	Nov. 12, 1956	22.05
May 13, 1974	7.47	Feb. 11, 1976	7.90	Nov. 27, 1957	23.73
May 29, 1974	7.76	Mar. 12, 1976	7.37	Dec. 1, 1958	15.06
June 21, 1974	7.71	Apr. 27, 1976	6.96	Dec. 9, 1959	10.03
July 9, 1974	6.82	May 26, 1976	6.83	Dec. 5, 1960	9.78
July 23, 1974	6.65	June 15, 1976	6.67	Jan. 29, 1962	10.58
Aug. 6, 1974	6.70	July 12, 1976	6.52	Dec. 13, 1962	9.86
Sept. 4, 1974	6.70	Aug. 30, 1976	6.99	Dec. 10, 1963	9.82
Oct. 2, 1974	5.04	Sept. 22, 1976	7.11	Dec. 7, 1964	14.88
Oct. 24, 1974	5.85			Jan. 13, 1966	12.92

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-40-403—Continued		Well JL-49-40-408—Continued		Well JL-49-40-701—Continued	
Dec. 28, 1966	9.20	Jan. 30, 1955	14.04	Feb. 4, 1974	8.76
Dec. 26, 1967	9.87	Jan. 31, 1956	16.34	Feb. 11, 1974	9.70
Feb. 10, 1975	8.02	Jan. 28, 1958	18.96	Feb. 19, 1974	9.85
Jan. 18, 1976	8.87	Jan. 19, 1959	12.48	Mar. 1, 1974	9.89
Jan. 12, 1977	9.08	Jan. 29, 1962	9.62	Mar. 8, 1974	9.97
Well JL-49-40-405		Dec. 13, 1962	9.17	Mar. 13, 1974	8.20
Owner: Jesse Burner Cattle Company		Dec. 11, 1963	9.43	Mar. 25, 1974	8.19
June 1960	48.00	Dec. 14, 1964	15.62	Apr. 8, 1974	9.17
Sept. 2, 1960	52.84	Feb. 10, 1966	14.76	Apr. 22, 1974	9.16
Dec. 26, 1962	51.35	Dec. 28, 1966	10.88	May 13, 1974	7.36
Dec. 14, 1964	52.68	Dec. 27, 1967	12.29	May 29, 1974	8.28
Feb. 10, 1966	45.64	Oct. 26, 1973	9.71	June 21, 1974	8.10
Dec. 28, 1966	52.70	Feb. 10, 1975	10.54	July 9, 1974	7.33
Dec. 28, 1966	44.90	Jan. 18, 1976	10.82	July 23, 1974	7.61
Dec. 27, 1967	53.16	Jan. 12, 1977	10.17	Aug. 6, 1974	7.66
Dec. 27, 1967	44.37	Well JL-49-40-601		Sept. 4, 1974	6.91
Jan. 31, 1970	43.20	Owner: H. D. Zachry		Oct. 2, 1974	5.23
Jan. 11, 1972	49.35	Sept. 2, 1960	225.12	Oct. 24, 1974	6.67
Jan. 31, 1973	49.07	Dec. 20, 1960	225.80	Nov. 7, 1974	7.10
Jan. 10, 1975	59.49	Dec. 13, 1962	225.03	Nov. 20, 1974	7.59
Jan. 18, 1976	59.83	Dec. 10, 1963	224.75	Dec. 4, 1974	7.76
Well JL-49-40-406		Dec. 14, 1964	225.26	Dec. 18, 1974	7.75
Owner: W. T. Henderson Estate		Dec. 28, 1966	225.60	Jan. 3, 1975	8.05
Mar. 8, 1967	9.73	Dec. 27, 1967	224.62	Jan. 13, 1975	8.20
Dec. 27, 1967	9.70	Oct. 26, 1973	224.90	Feb. 10, 1975	7.56
Jan. 27, 1969	9.68	Feb. 10, 1975	224.78	Feb. 12, 1975	7.50
Jan. 31, 1970	8.07	Jan. 18, 1976	224.70	Feb. 25, 1975	8.28
Jan. 12, 1972	9.34	Jan. 12, 1977	224.79	Mar. 11, 1975	8.31
Jan. 31, 1973	11.18	Well JL-49-40-701		Mar. 25, 1975	8.45
Jan. 27, 1975	9.29	Owner: Lettunich Farms, Inc.		Apr. 8, 1975	7.88
Jan. 18, 1976	9.79	Mar. 8, 1967	10.84	Apr. 22, 1975	7.55
Jan. 12, 1977	9.32	Dec. 27, 1967	13.16	May 6, 1975	7.21
Well JL-49-40-408		Jan. 31, 1970	9.24	May 21, 1975	7.27
Owner: Mrs. Kate Henderson		Jan. 12, 1972	9.18	June 3, 1975	7.43
Mar. 10, 1953	10.13	Jan. 31, 1973	12.54	June 16, 1975	7.54
Jan. 18, 1954	10.43	Oct. 29, 1973	8.16	June 30, 1975	7.53
				July 15, 1975	6.97

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-40-701—Continued		Well JL-49-40-704—Continued		Well JL-49-40-704—Continued	
July 29, 1975	7.35	Apr. 22, 1974	9.39	Dec. 2, 1975	9.17
Aug. 12, 1975	7.53	May 13, 1974	9.28	Dec. 16, 1975	9.14
Sept. 9, 1975	6.88	May 29, 1974	9.18	Feb. 11, 1976	8.67
Sept. 22, 1975	6.21	June 21, 1974	9.40	Mar. 12, 1976	9.04
Oct. 7, 1975	6.23	July 9, 1974	8.00	Apr. 27, 1976	8.43
Oct. 21, 1975	6.98	July 23, 1974	7.81	May 26, 1976	7.83
Nov. 4, 1975	7.12	Aug. 6, 1974	7.60	June 15, 1976	7.76
Nov. 18, 1975	7.49	Sept. 4, 1974	7.69	July 12, 1976	8.33
Dec. 2, 1975	7.99	Oct. 2, 1974	7.29	Aug. 30, 1976	8.24
Dec. 16, 1975	8.01	Oct. 24, 1974	7.96	Sept. 22, 1976	8.09
Jan. 12, 1976	6.36	Nov. 7, 1974	8.10	Nov. 1, 1976	8.45
Jan. 18, 1976	8.35	Nov. 20, 1974	8.20	Jan. 3, 1977	8.30
Feb. 11, 1976	8.44	Dec. 4, 1974	8.61	Feb. 9, 1977	9.06
Mar. 12, 1976	8.52	Dec. 18, 1974	8.94	Mar. 15, 1977	9.47
Apr. 27, 1976	7.80	Jan. 3, 1975	9.10	Apr. 11, 1977	8.97
May 26, 1976	7.28	Jan. 13, 1975	8.96	May 10, 1977	9.18
June 15, 1976	6.84	Feb. 12, 1975	8.60		
July 12, 1976	6.36	Feb. 25, 1975	8.82	Well JL-49-40-803	
Aug. 30, 1976	6.59	Mar. 11, 1975	9.00	Owner: L. R. Allison Company	
Sept. 22, 1976	7.01	Mar. 25, 1975	9.00	Dec. 28, 1966	11.99
Nov. 1, 1976	9.58	Apr. 8, 1975	8.43	Dec. 27, 1967	13.40
Jan. 3, 1977	7.32	Apr. 22, 1975	8.44	Oct. 30, 1973	13.75
Jan. 12, 1977	8.00	May 6, 1975	8.09	May 29, 1974	13.82
Feb. 9, 1977	8.38	May 21, 1975	8.46		
Mar. 15, 1977	8.52	June 3, 1975	8.24	Well JL-49-40-809	
Apr. 11, 1977	7.46	June 16, 1975	8.38	Owner: Ben L. Ivey	
May 10, 1977	7.74	June 30, 1975	7.91	Nov. 2, 1973	12.42
		July 15, 1975	7.76	Jan. 15, 1974	13.04
Well JL-49-40-704		July 29, 1975	8.10	Jan. 21, 1974	13.03
Owner: C. Ivey		Aug. 12, 1975	8.24	Jan. 28, 1974	13.12
Mar. 17, 1962	7.97	Sept. 9, 1975	8.75	Feb. 4, 1974	13.20
Oct. 29, 1973	8.70	Sept. 22, 1975	8.44	Feb. 11, 1974	13.32
Jan. 15, 1974	9.30	Oct. 7, 1975	8.87	Feb. 19, 1974	13.40
Jan. 21, 1974	9.55	Oct. 21, 1975	8.16	Mar. 1, 1974	13.53
Jan. 23, 1974	7.81	Nov. 4, 1975	8.46	Mar. 8, 1974	13.55
Jan. 28, 1974	9.69	Nov. 18, 1975	8.78	Mar. 15, 1974	12.40
Apr. 8, 1974	9.18			Mar. 25, 1974	12.32

Table 6.—Water-Level Measurements From Observation Wells—Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well JL-49-40-809—Continued		Well JL-49-40-809—Continued		Well PD-48-41-202—Continued	
Apr. 8, 1974	13.01	Nov. 18, 1975	7.64	Jan. 30, 1955	14.00
Apr. 22, 1974	13.17	Dec. 2, 1975	7.37	Jan. 31, 1956	15.13
May 13, 1974	13.81	Dec. 6, 1975	7.91	Jan. 21, 1957	16.29
June 21, 1974	13.05	Dec. 16, 1975	7.91	Jan. 28, 1958	18.11
July 9, 1974	11.50	Feb. 11, 1976	8.21	Jan. 19, 1959	14.33
July 23, 1974	9.53	Mar. 12, 1976	8.59	Jan. 29, 1960	10.72
Aug. 6, 1974	8.89	Apr. 27, 1976	7.02	Feb. 23, 1961	9.13
Sept. 4, 1974	8.23	May 26, 1976	6.35	Dec. 4, 1961	9.40
Oct. 2, 1974	6.86	June 15, 1976	6.34	Dec. 13, 1962	9.66
Oct. 24, 1974	6.83	July 12, 1976	6.12	Dec. 14, 1964	13.13
Nov. 7, 1974	7.06	Aug. 30, 1976	6.38	Feb. 10, 1966	15.07
Nov. 20, 1974	7.20	Sept. 22, 1976	5.64	Dec. 28, 1966	11.68
Dec. 4, 1974	7.77	Nov. 1, 1976	7.05	Jan. 12, 1968	12.12
Dec. 11, 1974	13.32	Jan. 3, 1977	6.59	Feb. 13, 1969	10.14
Dec. 18, 1974	7.90	Feb. 9, 1977	8.02	Jan. 9, 1970	9.00
Jan. 3, 1975	7.73	Mar. 15, 1977	8.16	Mar. 4, 1971	8.95
Jan. 13, 1975	8.14	Apr. 11, 1977	7.36	Nov. 30, 1971	9.33
Feb. 12, 1975	8.12	May 10, 1977	7.73	Dec. 8, 1972	10.21
Feb. 25, 1975	8.90			Nov. 6, 1973	7.66
Mar. 11, 1975	9.13	Well JL-49-40-901		Jan. 13, 1975	7.05
Mar. 25, 1975	8.56	Owner: Firmin Burrus		Feb. 6, 1976	8.45
Apr. 8, 1975	7.89	Mar. 14, 1962	8.16	Jan. 14, 1977	7.08
Apr. 22, 1975	7.92	Dec. 27, 1967	8.62	Feb. 9, 1977	7.52
May 6, 1975	9.03	Jan. 27, 1969	8.19		
May 21, 1975	8.50	Jan. 31, 1970	7.83	Well PD-48-41-601	
June 3, 1975	7.87	Jan. 11, 1972	8.38	Owner: Julian Franklin	
June 16, 1975	7.74	Jan. 31, 1973	8.99	Mar. 9, 1953	25.84
June 30, 1975	8.64	Nov. 2, 1973	7.74	Jan. 19, 1954	25.74
July 15, 1975	7.78	Feb. 10, 1975	7.56	Jan. 30, 1955	27.11
July 29, 1975	6.80	Jan. 18, 1976	7.79	Jan. 31, 1956	16.42
Aug. 12, 1975	7.00	Jan. 12, 1977	7.23	Jan. 21, 1957	29.87
Sept. 9, 1975	5.96			Jan. 28, 1958	31.20
Sept. 22, 1975	5.95	Hudspeth County		Jan. 19, 1959	30.39
Oct. 7, 1975	6.46	Well PD-48-41-202		Jan. 29, 1960	29.15
Oct. 21, 1975	6.77	Owner: E. H. Oliphant		Feb. 23, 1961	26.88
Nov. 4, 1975	7.28	Mar. 9, 1953	9.65	Dec. 4, 1961	26.60
		Jan. 19, 1954	10.17	Dec. 13, 1962	25.98

Table 7.--Chemical Analyses of Water from Selected Wells

Water-bearing unit: Qal Rg, Rio Grande alluvium; Qtal 6, Hueco bolson; Qtal 8, Messilla bolson.
 Analyses are given in milligrams per liter except percent sodium, sodium-absorption ratio (SAR), residual sodium carbonate (RSC), specific conductance, pH.
 When no potassium (K) is reported, sodium and potassium are calculated and reported as sodium (Na).
 Bicarbonate (HCO₃) includes any carbonate (CO₃) present.

Well	Aquifer	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)		
El Paso County																								
JL-48-33-703	Qal Rg Qtal 6	131-155	July 23, 1959	--	0.02	177	43	--	--	128	270	1,430	0.9	--	--	2,460	620	--	7.7	--	--	--		
		245-269	do	--	.02	127	27	--	--	134	297	1,220	.9	--	--	2,790	450	--	8.3	--	--	--		
		334-363	do	--	.02	157	41	--	--	110	331	1,490	1.0	--	--	3,440	554	--	7.7	--	--	--		
		447-471	July 24, 1959	--	.02	62	15	--	--	124	464	955	1.0	--	--	2,410	218	--	8.2	--	--	--		
		567-591	do	--	.02	85	22	--	--	144	358	1,300	1.4	--	--	2,910	304	--	8.2	--	--	--		
		672-696	July 25, 1959	--	.02	60	13	--	--	150	323	1,160	1.6	--	--	2,570	202	--	8.2	--	--	--		
		759-783	do	--	.02	57	13	--	--	117	496	985	1.6	--	--	2,570	194	--	7.6	--	--	--		
		873-902	do	--	.02	57	8.2	--	--	140	569	1,020	1.7	--	--	2,680	178	--	7.4	--	--	--		
49-03-321	Qal Rg	122	June 30, 1953	33	--	86	19	118	--	229	198	110	--	0.2	--	688	293	1,070	7.8	47	--	--		
322	Qtal 8	195-238	Nov. 12, 1953	22	.04	21	3.8	110	2.3	120	112	69	.3	0	0.15	400	68	650	7.8	77	--	--		
		306-349	do	24	.21	16	2.7	99	--	106	96	55	.3	0	--	356	51	563	7.6	81	--	--		
		435-478	Nov. 13, 1953	27	.04	20	2.8	104	--	128	109	48	.3	0.2	--	374	62	587	7.7	79	--	--		
		562-605	do	36	.01	23	3.8	181	--	218	184	68	.6	0	--	603	75	942	7.9	84	--	--		
		754-797	Nov. 14, 1953	20	.05	16	2.1	114	--	108	115	62	.5	0.2	--	384	48	621	7.8	84	--	--		
		1,015-1,058	Nov. 16, 1953	32	.06	18	1.5	90	23	108	87	.5	0	.14	338	51	516	7.7	78	--	--			
908	Qal Rg	125	Mar. 26, 1952	57	--	24	29	337	--	466	240	192	--	0	.66	1,110	179	1,760	8.0	80	--	--		
915	Qal Rg	72	Aug. 31, 1952	45	--	98	31	671	--	625	808	338	1.6	2.0	.78	2,300	372	3,430	7.6	80	--	--		
		72	July 17, 1956	--	--	--	--	--	--	--	621	--	440	--	--	--	--	450	4,090	8.2	--	--	--	
04-103	Qtal 8	559	Aug. 17, 1966	33	.04	14	.4	98	2.6	108	96	46	.8	0	--	344	36	548	8.0	84	7.1	1.04		
104	Qtal 8	278-298	Dec. 4, 1956	--	--	15	1	130	--	--	96	75	.7	--	--	403	42	--	8.4	89	--	--		
		359-379	Dec. 5, 1956	--	--	28	3	200	--	--	194	142	.6	--	--	612	82	--	8.4	87	--	--		
		448-468	Dec. 6, 1956	--	--	21	1	124	--	--	142	55	.7	--	--	456	57	--	8.1	85	--	--		
		568-588	Dec. 7, 1956	--	--	14	0	111	--	--	112	45	.6	--	--	340	35	--	8.3	89	--	--		
		644-664	do	--	--	15	0	105	--	--	90	44	.5	--	--	331	38	--	8.4	87	--	--		
		763-783	Dec. 8, 1956	--	--	6	0	94	--	--	70	39	.9	--	--	364	15	--	8.3	94	--	--		
		868-889	do	--	--	5	0	103	--	--	70	44	.9	--	--	256	13	--	8.1	95	--	--		
		960-980	Dec. 9, 1956	--	--	5	0	84	--	--	68	41	.7	--	--	269	12	--	8.4	94	--	--		
		1,130-1,150	Dec. 11, 1956	--	--	3	0	108	--	--	68	39	.7	--	--	255	8	--	8.5	98	--	--		
		1,234-1,277	July 15, 1957	--	.04	18	--	--	--	--	--	112	68	1.6	--	--	723	46	--	8.5	--	--	--	
		1,150	Nov. 19, 1957	--	.02	6	0	--	--	--	--	118	41	.9	--	--	250	16	--	8.8	--	--	--	
		1,150	July 15, 1958	28	0	4.9	.5	78	.5	71	69	38	1.0	0	.14	--	256	14	408	--	92	--	--	
		105	Qtal 8	465-480	Dec. 15, 1956	--	--	11	2	159	--	--	140	65	.5	--	--	450	37	--	8.4	92	--	--
				630-650	Dec. 16, 1956	--	--	12	0	101	--	--	76	50	.7	--	--	294	30	--	8.2	89	--	--
830-850	do			--	--	15	1	214	--	--	240	68	.7	--	--	600	43	--	8.5	93	--	--		
965-990	Dec. 17, 1956			--	--	5	0	109	--	--	92	39	.8	--	--	285	12	--	8.6	96	--	--		
106	Qtal 8	250-270	Nov. 17, 1956	--	--	14	2	126	--	--	118	50	.8	--	--	380	42	--	8.1	89	--	--		
		370-390	Nov. 18, 1956	--	--	17	2	129	--	--	114	67	.7	--	--	354	52	--	8.1	87	--	--		
		470-490	do	--	--	8	0	94	--	--	74	35	.7	--	--	281	19	--	8.3	92	--	--		
		680-700	Nov. 21, 1956	--	--	22	4	144	--	--	152	81	.7	--	--	434	71	--	8.3	85	--	--		
		758-778	do	--	--	8	0	117	--	--	96	48	1.0	--	--	300	20	--	8.3	94	--	--		
		819-839	Nov. 22, 1956	--	--	6	0	127	--	--	98	50	1.0	--	--	314	14	--	8.3	95	--	--		
		910-930	Nov. 23, 1956	--	--	8	0	113	--	--	80	53	1.0	--	--	315	19	--	8.4	93	--	--		
		1,000-1,020	do	--	--	12	3	197	--	--	178	99	.8	--	--	540	43	--	8.4	93	--	--		
		1,090-1,110	Nov. 26, 1956	--	--	6	0	110	--	--	74	41	1.1	--	--	295	15	--	8.2	95	--	--		
		1,090	June 20, 1957	--	.02	2.4	--	--	--	--	--	80	35	1.0	--	--	271	6	--	8.3	--	--	--	
		1,090	Oct. 25, 1957	--	.02	6	0	--	--	--	--	84	38	1.0	--	--	261	112	--	9.2	--	--	--	
		1,090	July 15, 1958	30	0	4	.3	80	.9	74	69	38	1.2	0	.08	257	11	--	8.5	93	--	--		

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)
JL-49-04-107	Qta1 8	550	by Aug. 28, 1957	32	0.04	13	1.2	97	3.2	95	99	52	0.3	0	0.12	345	38	538	8.0	84	--	--
109	Qal Rg	149	by --	--	--	8,784	5,215	--	--	--	2,700	6,240	.8	--	--	23,680	14,417	--	7.4	--	--	--
	Qta1 8	233-258	by --	--	--	37	13	--	--	--	210	210	.6	--	--	912	148	--	8.1	--	--	--
		313-314	by --	--	.02	27	1	--	--	--	164	137	.7	--	--	629	72	--	8.2	--	--	--
		426-440	by --	--	--	31	1	--	--	--	164	147	.7	--	--	697	82	--	8.1	--	--	--
		495-521	by --	--	.02	18	1	--	--	--	130	64	.6	--	--	444	50	--	8.4	--	--	--
		576-602	by --	--	.06	14	.9	--	--	--	124	48	.8	--	--	366	30	--	8.4	--	--	--
		675-701	by --	--	--	23	0	--	--	--	130	45	.6	--	--	376	56	--	8.4	--	--	--
		846-872	by --	--	--	80	1	--	--	--	350	63	.8	--	--	615	206	--	9.3	--	--	--
		967-993	by --	--	--	19	.2	--	--	--	105	43	.9	--	--	319	48	--	8.6	--	--	--
		1,057-1,083	by --	--	.2	20	0	--	--	--	120	49	.6	--	--	357	40	--	8.4	--	--	--
		1,194-1,218	by --	--	1.4	12	.5	--	--	--	205	90	.9	--	--	737	32	--	8.6	--	--	--
111	Qta1 8	1,063-1,088	by Jan. 12, 1966	23	--	12	.5	89	--	110	79	36	.9	.2	--	295	32	485	7.4	86	6.8	1.16
		1,195-1,220	by Jan. 13, 1966	28	--	46	2.7	453	--	90	576	305	2.9	.5	--	1,460	126	2,320	7.4	89	18	0
		763-1,063	by Aug. 18, 1966	25	.06	4	.1	82	.9	73	64	42	.9	0	--	257	10	430	8.3	--	--	1.06
114	Qta1 8	252	by Oct. 29, 1951	32	--	43	26	220	--	164	125	300	1.6	.5	--	839	214	1,480	7.7	69	--	--
115	Qal Rg	202	by Sept. 13, 1957	33	--	27	3.2	190	6.6	155	170	133	.5	0	.23	640	80	1,050	8.0	82	--	--
		202	by Aug. 19, 1966	36	.04	38	5.7	217	6.7	182	188	180	.7	0	--	761	118	1,260	7.9	79	8.7	.61
117	Qta1 8	146-326	by Mar. 11, 1966	50	.02	31	3.1	205	5.7	166	160	170	.7	0	0	708	90	1,150	7.4	82	9.4	.91
118	Qta1 8	264	by Mar. 17, 1952	38	--	38	12	227	--	162	219	190	--	13	.37	847	144	1,350	8.0	77	--	--
119	Qta1 8	50	by May 28, 1968	--	--	80	83	--	--	264	992	668	--	--	--	--	541	4,380	7.9	--	--	--
123	Qal Rg	100	by Mar. 11, 1953	--	--	--	--	--	--	308	264	530	--	--	--	--	540	2,600	7.6	--	--	--
124	Qta1 8	185	by June 18, 1952	45	--	62	31	284	--	252	194	365	1.0	1.0	.47	1,110	232	1,970	7.8	69	--	--
125	Qta1 8	136	by Sept. 16, 1948	50	--	80	41	240	--	332	175	308	--	2.2	--	1,060	368	1,810	--	59	--	--
126	Qta1 8	196	by Sept. 16, 1948	42	--	60	28	275	--	262	160	340	--	2.2	--	1,040	264	1,820	--	69	--	--
129	Qta1 8	104	by do	38	--	74	36	396	--	364	259	442	--	2.8	--	1,430	332	2,400	--	72	--	--
131	Qta1 8	180-200	by Sept. 2, 1953	31	2.6	42	20	236	29	154	160	315	1.4	.2	.18	918	187	1,600	7.8	70	--	--
		355-410	by Sept. 18, 1953	28	.5	42	19	316	28	232	184	384	1.0	1.2	.30	1,110	183	1,940	8.1	76	--	--
		575-620	by Oct. 1, 1953	29	3.1	26	13	301	6.8	203	277	232	6.0	.2	.55	992	118	1,660	7.9	84	--	--
135	Qta1 8	190	by June 18, 1952	35	--	42	17	279	--	164	220	295	1.8	1.5	.39	973	175	1,030	8.2	78	--	--
136	Qta1 8	225	by do	34	--	36	13	315	--	175	229	322	2.4	.8	.52	1,040	144	1,090	8.4	83	--	--
		--	by June 26, 1956	--	--	--	--	--	--	165	--	355	--	--	--	--	208	1,980	7.8	--	--	--
139	Qta1 8	300	by Feb. 12, 1953	34	--	17	6.2	143	--	114	119	115	--	.2	--	509	68	826	8.2	82	--	--
140	Qal Rg	135	by Mar. 13, 1953	--	--	--	--	--	--	222	215	145	--	--	--	--	104	1,250	8.1	--	--	--
143	Qta1 8	226	by Feb. 20, 1958	--	>.02	83	25	--	--	--	216	217	1.7	--	--	901	310	--	7.9	--	--	--
148	Qta1 8	147-189	by Aug. 17, 1966	38	.04	43	26	178	23	164	119	265	1.4	.5	--	775	214	1,360	7.5	61	5.3	0
149	Qta1 8	600	by Apr. 8, 1975	--	.12	18	1	114	--	134	114	52	1.1	<.4	--	434	49	700	8.2	--	--	--
		705	by Jan. 13, 1976	--	--	20	.5	--	--	136	110	53	--	--	--	--	52	667	8.0	--	--	--
150	Qta1 8	410-430	by Sept. 12, 1970	18	.08	95	29	207	--	--	186	265	1.52	.0	--	900	358	--	7.6	73	--	--
		210-410	by Oct. 6, 1970	9	.07	78	35	25	--	--	172	325	1.75	--	--	937	339	--	7.5	65	--	--
151	Qta1 8	195	by Oct. 31, 1973	--	.45	44	22	455	--	--	557	320	.78	--	--	1,047	200	1,725	8.5	87	--	--
		250	by do	--	.50	50	9	324	--	--	257	280	.78	--	--	1,056	160	1,740	8.5	85	--	--

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)
JL-49-04-165	Qtal 8	608	Jan. 10, 1976	--	--	16	0.2	--	--	52	120	150	--	--	--	41	871	8.7	--	--	--	--
202	Qtal 8	410	Oct. 11, 1972	32	--	66	39	155	--	192	246	185	1.9	< 0.4	--	820	323	1,250	7.6	--	--	--
205	Qtal 8	517	Nov. 12, 1952	19	--	101	64	202	--	251	271	318	--	.2	--	1,100	515	1,810	8.0	46	--	--
401	Qtal 8	274-300	May 20, 1958	--	0.02	12	3	--	--	--	88	50	.8	--	--	190	44	--	8.5	--	--	--
		487-513	do	--	.02	14	1	--	--	--	96	90	.9	--	--	267	41	--	8.4	--	--	--
		666-692	do	--	.06	10	3	--	--	--	72	50	.9	--	--	365	40	--	9.2	--	--	--
		847-873	do	--	.02	15	4	--	--	--	144	105	1.1	--	--	774	50	--	8.8	--	--	--
		937-963	May 22, 1958	--	.02	70	7	--	--	--	400	730	1.7	--	--	1,943	206	--	8.3	--	--	--
		900	Aug. 19, 1958	33	.03	4.8	0	82	0.8	76	73	38	1.0	.0	0.12	265	12	425	8.7	93	--	--
		900	Sept. 25, 1963	--	--	2	--	--	--	74	72	46	--	--	--	14	446	8.2	--	--	--	0.93
		900	Aug. 10, 1966	20	.01	6.4	.2	87	1.1	60	72	46	.9	.2	--	252	17	452	8.6	91	9.2	.64
402	Qtal 8	189-209	Oct. 1956	--	--	--	--	136	--	108	--	93	--	--	--	71	796	8.0	--	--	--	--
		280-300	do	36	--	17	.8	121	--	104	119	70	.8	0	--	427	46	638	8.3	85	--	--
		369-389	do	--	--	--	--	114	--	100	--	62	--	--	--	45	609	8.0	85	--	--	--
		470-493	do	36	.15	8.8	0	80	2.2	82	73	39	1.0	0	.12	280	22	425	8.1	88	--	--
		590-612	do	--	--	--	--	89	--	93	--	40	--	--	--	30	464	8.3	87	--	--	--
		666-686	do	--	--	--	--	151	--	104	--	80	--	--	--	27	739	8.1	81	--	--	--
		786-806	do	--	--	--	--	90	--	98	--	39	--	--	--	24	455	8.7	98	--	--	--
		876-896	do	28	.15	3.4	0	87	1.2	106	67	30	1.4	.2	.18	271	8	415	8.4	95	--	--
		969-989	do	--	--	--	--	95	--	113	--	29	--	--	--	6	432	9.0	97	--	--	--
		1,060	May 6, 1957	--	.02	2.4	--	--	--	90	37	1.4	--	--	--	283	6	--	8.4	--	--	--
		1,060	Oct. 25, 1957	--	.02	5	0	--	--	92	39	1.3	--	--	--	292	10	--	9.2	--	--	--
		1,060	June 9, 1958	34	0	3.6	.5	90	.6	65	80	39	1.3	0	.13	291	11	451	8.8	94	12	--
		1,060	Sept. 25, 1963	--	--	2.2	2	--	--	72	85	4.7	--	--	--	14	489	8.3	--	--	--	.90
		1,060	Feb. 6, 1964	--	--	5.5	.1	--	--	68	103	5.7	--	--	--	14	572	9.0	--	--	--	.83
		1,060	Jan. 27, 1966	--	--	--	--	--	--	73	87	50	--	--	--	14	504	8.3	--	--	--	1.05
403	Qal Rg	160	Apr. 10, 1952	--	--	37	58	--	--	128	206	102	--	--	--	583	116	--	7.7	--	--	--
		160	July 29, 1952	32	0	44	8.2	165	--	160	213	105	.6	.5	--	654	144	1,070	8.2	71	--	--
		160	Sept. 30, 1952	35	--	51	9.3	176	--	171	217	128	.6	.2	--	710	165	1,120	8.1	70	--	--
		160	June 30, 1953	--	--	--	--	--	--	175	212	138	--	--	--	172	1,160	8.1	--	--	--	--
		160	Sept. 8, 1953	36	.02	58	10	185	--	172	228	147	.8	0	--	759	186	1,190	7.7	68	--	--
		160	Dec. 15, 1953	--	.10	64	11	--	--	173	272	158	.6	--	--	826	203	--	7.9	--	--	--
		160	June 23, 1954	38	--	66	12	212	--	180	262	180	.6	.2	--	868	214	1,390	7.9	68	--	--
		160	Oct. 26, 1955	--	--	--	--	--	--	188	--	210	--	--	--	226	1,460	8.0	--	--	--	--
		160	May 29, 1956	36	--	77	12	235	--	178	288	215	.7	1.7	--	963	242	1,530	7.8	68	--	--
		160	Mar. 26, 1957	--	.08	80	11	189	--	--	330	110	.5	--	--	1,006	246	--	8.1	68	--	--
		160	Oct. 23, 1967	--	--	--	--	--	--	246	532	260	--	--	--	394	2,130	7.6	--	--	--	0
405	Qal Rg	170	Aug. 22, 1955	--	.02	27	8	290	--	211	240	167	1.2	--	--	859	101	--	8.3	--	--	--
		170	Feb. 22, 1956	--	.02	28	8	281	--	203	240	180	.9	--	--	847	104	--	--	--	--	--
		170	Apr. 5, 1956	--	.02	40	10	358	--	214	310	217	1.0	--	--	992	142	--	8.2	--	--	--
		170	May 29, 1956	38	--	58	13	315	--	214	324	260	.9	.2	--	1,110	198	1,790	7.9	78	--	--
		170	Aug. 24, 1956	--	.02	60	14	277	--	223	210	290	1.0	--	--	1,191	208	--	8.3	--	--	--
		170	Mar. 26, 1957	--	.12	65	14	384	--	--	440	286	.9	--	--	1,267	220	--	8.0	83	--	--
		170	Oct. 23, 1967	--	--	--	--	--	--	246	456	290	--	--	--	336	2,090	7.6	--	--	--	--
406	Qal Rg	152	Apr. 1, 1952	--	--	--	--	--	--	86	75	31	--	--	--	284	8	--	9.3	--	--	--
		152	July 8, 1952	43	--	4	.6	91	--	88	80	36	1.4	0	--	312	12	458	9.1	94	--	--
		152	Sept. 30, 1952	43	--	20	3.1	137	--	114	136	87	1.0	--	--	484	62	783	8.6	83	--	--
		152	Oct. 10, 1952	42	--	20	2.7	138	--	116	134	88	1.4	0	--	483	61	825	8.6	83	--	--
		152	June 30, 1953	--	--	--	--	--	--	127	140	92	--	--	--	73	831	8.5	--	--	--	--
		152	Aug. 9, 1953	--	--	--	--	--	--	124	154	106	--	--	--	79	912	8.5	--	--	--	--
		152	Sept. 8, 1953	36	.02	58	10	158	--	172	228	147	.8	0	--	186	1,190	7.7	68	--	--	--
		152	Dec. 15, 1953	--	.10	49	7.3	--	--	126	228	158	.1	--	--	719	152	--	8.3	--	--	--
		152	June 23, 1954	44	--	44	10	214	--	127	233	225	.9	.2	--	857	200	1,310	8.0	70	--	--
		152	June 1955	--	--	39	13	264	--	137	260	243	1.0	--	--	935	227	--	8.5	--	--	--
		152	June 26, 1956	--	--	--	--	--	--	93	--	255	--	--	--	240	1,600	8.2	--	--	--	--
		152	Oct. 23, 1967	--	--	--	--	--	--	152	277	160	--	--	--	192	1,280	7.6	--	--	--	0
407	Qal Rg	200	Apr. 12, 1956	--	0.02	49	--	120	--	196	160	75	1.0	--	--	546	172	--	7.8	--	--	--
		200	May 29, 1956	39	--	78	18	132	--	240	218	92	.7	0	--	696	268	1,080	7.7	52	--	--

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)		
JL-49-04-407	Qal Rg	200	Mar. 29, 1957	--	0.1	62	12	131	--	--	210	82	0.7	--	--	610	204	--	8.1	64	--	--		
		200	Oct. 23, 1967	--	--	--	--	--	--	--	184	218	90	--	--	--	208	985	7.5	--	--	0		
408	Qal Rg	200	May 5, 1956	--	.15	64	14	--	--	239	260	100	.5	--	--	775	218	--	8.1	--	--	--		
		200	May 29, 1956	40	--	74	16	189	--	--	248	274	121	.7	0	--	837	250	--	7.8	62	--	--	
		200	Oct. 1, 1956	--	.07	73	15	118	--	--	121	210	128	.7	--	--	821	244	--	8.2	--	--	--	
		200	Mar. 29, 1957	--	.12	98	20	223	--	--	--	375	148	.5	--	--	--	326	--	8.2	66	--	--	
		200	Oct. 23, 1967	--	--	--	--	--	--	--	177	221	78	--	--	--	--	219	940	7.5	--	--	0	
409	Qal Rg	156	Mar. 5, 1955	--	.01	54	13	--	--	201	275	167	.8	--	--	946	191	--	8.0	--	--	--		
		156	Aug. 18, 1955	--	.02	71	17	294	--	--	290	350	200	.8	--	--	1,133	248	--	8.2	--	--	--	
		156	June 9, 1956	39	--	86	18	319	3.9	--	311	399	232	--	.5	--	1,250	288	1,960	8.1	70	--	--	
		156	Oct. 23, 1967	--	--	--	--	--	--	--	368	648	225	--	--	--	--	584	2,280	7.5	--	--	0	
411	Qal Rg	194	June 10, 1955	--	--	28	5	--	--	135	200	130	--	--	--	704	91	--	8.0	--	--	--		
		194	Aug. 18, 1955	--	.02	67	12	222	--	--	163	240	221	1.0	--	--	902	248	--	8.3	--	--	--	
		194	Oct. 26, 1955	39	--	.04	79	14	240	--	--	167	249	268	.5	.4	--	968	1,570	7.7	67	--	--	
		194	Dec. 9, 1955	--	.04	80	19	255	--	--	151	250	320	.6	--	--	1,066	280	--	7.8	--	--	--	
		194	Feb. 22, 1956	--	.02	85	19	258	--	--	157	245	330	.7	--	--	1,131	290	--	--	--	--	--	
		194	May 29, 1956	39	--	.04	94	16	272	--	--	172	282	322	.5	1.8	--	1,130	300	1,820	7.7	66	--	--
		194	Oct. 1, 1956	--	.04	110	17	312	--	--	173	290	410	.6	--	--	1,291	344	--	8.2	--	--	--	
		194	Oct. 23, 1967	--	--	--	--	--	--	--	206	556	332	--	--	--	--	468	2,270	7.6	--	--	0	
412	Qal Rg	160	Mar. 27, 1952	--	--	--	--	--	--	76	133	97	--	--	--	455	6	--	9.1	--	--	--		
		160	July 11, 1952	45	--	4.1	.3	141	--	--	80	120	84	2.6	0	--	84	11	722	9.1	97	--	--	
		160	Sept. 30, 1952	43	--	7.4	1.0	169	--	--	116	144	99	1.8	0	--	515	22	860	8.8	94	--	--	
		160	June 30, 1953	--	--	--	--	--	--	--	135	151	100	--	--	--	--	36	900	8.4	--	--	--	
		160	Sept. 8, 1953	--	--	--	--	--	--	--	122	155	94	--	--	--	--	27	851	8.9	--	--	--	
		160	Dec. 15, 1953	--	.10	22	1.5	--	--	--	120	222	113	1.4	--	--	--	614	61	--	8.6	--	--	--
		160	June 23, 1954	44	--	28	2.3	206	--	--	126	214	140	1.6	0	--	698	80	1,100	8.4	85	--	--	
		160	Oct. 26, 1955	--	--	--	--	--	--	--	120	--	140	--	--	--	--	92	1,130	8.5	--	--	--	--
		160	May 29, 1956	--	--	--	--	--	--	--	117	--	148	--	--	--	--	112	1,200	8.2	--	--	--	--
		160	Mar. 26, 1957	--	.02	34	9	227	--	--	--	270	138	1.2	--	--	--	716	102	--	8.5	83	--	--
		160	Oct. 23, 1967	--	--	--	--	--	--	--	152	264	134	--	--	--	--	148	1,190	7.8	--	--	0	
		413	Qal Rg	160	May 1, 1952	42	--	42	5.7	159	--	112	151	160	--	0	0.12	615	128	1,020	8.2	73	--	--
				160	July 29, 1952	42	0	45	6.2	164	--	114	155	168	1.2	0	--	637	138	1,060	8.5	72	--	--
				160	Sept. 30, 1952	--	--	--	--	--	--	--	115	--	163	--	--	--	--	132	1,040	8.3	--	--
160	June 30, 1953			--	--	--	--	--	--	--	121	134	122	--	--	--	--	100	902	8.2	--	--	--	
160	Sept. 8, 1953			--	--	--	--	--	--	--	106	130	108	--	--	--	--	76	808	8.6	--	--	--	
160	Dec. 12, 1953			--	.10	20	2.4	--	--	--	96	146	95	1.1	--	--	--	459	60	--	8.6	--	--	--
160	June 23, 1954			41	--	18	2.0	135	--	--	91	124	99	1.1	.2	--	465	53	730	8.5	85	--	--	
160	May 29, 1956			--	--	--	--	--	--	--	109	--	138	--	--	--	--	94	961	8.0	--	--	--	
160	Mar. 26, 1957	--	.02	44	4	189	--	--	--	192	165	1.0	--	--	689	127	--	8.4	80	--	--			
414	Qal Rg	200	June 29, 1955	--	.02	52	9	--	--	250	180	167	1.0	--	--	809	166	--	8.5	--	--	--		
		200	May 29, 1956	44	--	44	6.6	198	--	--	200	195	140	1.4	0	--	727	137	--	8.0	76	--	--	
		200	Oct. 1, 1956	--	.05	55	8	213	--	--	201	190	188	1.7	--	--	820	170	--	8.4	--	--	--	
		200	Mar. 26, 1957	--	.06	43	6	191	--	--	--	210	140	1.1	--	--	722	132	--	8.3	80	--	--	
		200	do	--	--	--	--	--	--	--	--	190	140	1.1	--	--	722	132	--	8.3	80	--	--	
415	Qal Rg	122	Aug. 21, 1951	--	--	--	--	--	--	124	190	124	--	--	--	616	82	--	8.8	--	--	--		
		122	July 11, 1952	40	--	21	3.5	164	--	117	162	108	2.0	0	--	593	67	922	8.7	84	--	--		
		122	Sept. 30, 1952	41	--	30	6.1	176	--	131	182	129	1.8	.2	--	630	100	1,020	8.3	79	--	--		
		122	June 30, 1953	--	--	--	--	--	--	139	180	140	--	--	--	--	95	1,060	8.6	--	--	--		
		122	Sept. 8, 1953	--	--	--	--	--	--	126	187	125	--	--	--	--	86	1,010	8.6	--	--	--		
		122	Dec. 15, 1953	--	.10	30	5.0	--	--	120	232	133	1.8	--	--	663	97	--	8.5	--	--	--		
		122	June 23, 1954	--	--	--	--	--	--	116	--	135	--	--	--	--	78	1,030	8.4	--	--	--		
		122	May 29, 1956	--	--	--	--	--	--	113	--	150	--	--	--	--	108	1,140	8.1	--	--	--		
		122	Mar. 26, 1957	--	.02	24	3	220	--	--	--	240	155	1.5	--	--	683	71	--	8.6	89	--	--	
416	Qtal 8	80-90	Aug. 1957	--	.02	13	3	--	--	--	168	64	.7	--	--	481	46	--	8.1	--	--	--		
		260-276	do	--	.02	14	3	--	--	--	124	54	1.1	--	--	375	50	--	8.2	--	--	--		
		395-421	do	--	.02	19	6	--	--	--	168	62	1.1	--	--	473	70	--	8.1	--	--	--		
		515-541	do	--	.02	9	4	--	--	--	124	37	1.2	--	--	380	40	--	8.4	--	--	--		
		605-631	do	--	.02	9	6	--	--	--	336	36	1.2	--	--	880	48	--	8.5	--	--	--		
		696-722	do	--	.02	16	5	--	--	--	284	57	1.1	--	--	540	60	--	8.5	--	--	--		

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)	
JL-49-04-416	Qtal 8	787-813	by Aug. 29, 1957	--	0.02	9	4	--	--	--	312	78	1.5	--	--	663	38	--	8.8	--	--	--	
		907-933	by do	--	.02	14	5	--	--	--	208	221	1.8	--	--	952	56	--	8.4	--	--	--	
		988-1,014	by Aug. 30, 1957	--	.02	62	7	--	--	--	600	663	1.9	--	--	2,057	182	--	8.2	--	--	--	
		528-1,013	by Sept. 6, 1957	30	.25	6.6	.1	161	1.4	83	127	116	3.6	0	0.34	510	17	812	8.9	95	--	--	
		1,013	by July 13, 1962	37	--	42	2.3	144	--	62	102	190	.8	0	--	548	114	930	7.4	73	5.9	--	
		1,013	by Feb. 13, 1963	--	--	--	--	--	--	64	--	188	--	--	--	--	199	936	7.5	--	--	0	
		1,013	by Sept. 25, 1963	--	--	25	--	--	--	61	122	238	--	--	--	--	160	1,140	7.0	--	--	0	
		1,013	by May 1, 1964	--	--	23	--	--	--	66	127	212	--	--	--	--	148	1,080	7.8	--	--	0	
		1,013	by Nov. 23, 1964	--	--	25	--	--	--	70	141	228	--	--	--	--	165	1,130	7.7	--	--	--	
		1,013	by June 11, 1965	--	--	33	--	--	--	62	176	295	--	--	--	--	214	1,420	7.6	--	--	0	
		1,013	by Jan. 27, 1966	--	--	--	--	--	--	58	244	440	--	--	--	--	336	1,970	7.0	--	--	0	
		1,013	by Aug. 26, 1966	33	--	.02	88	6.0	213	4.4	62	186	335	.5	.2	--	895	240	1,570	7.5	65	6.0	0
		1,013	by Sept. 8, 1969	--	--	--	--	--	--	--	--	--	355	--	--	--	--	--	1,570	--	--	--	--
		417	Qtal 8	183-207	by Sept. 3, 1953	36	.02	34	6.0	258	3.8	92	207	268	1.4	.2	.36	860	110	1,440	7.5	83	--
286-310	by Sept. 4, 1953			34	.28	15	2.3	113	2.2	125	98	63	1.3	.2	.18	398	47	587	7.8	83	--	--	
533-557	by Sept. 5, 1953			42	.80	22	.8	175	1.4	90	137	154	1.6	0	.21	609	58	896	7.8	86	--	--	
673-697	by Sept. 9, 1953			13	.02	80	13	691	6.6	67	545	800	2.4	.2	.32	2,180	253	3,720	7.2	85	--	--	
731-755	by Sept. 10, 1953			19	.02	66	3.7	608	--	31	466	700	1.8	.2	--	1,880	180	3,190	6.8	88	--	--	
	Qal Rg	200	by Aug. 24, 1966	37	.19	135	3.6	374	3.2	81	506	422	.2	.2	--	1,520	352	2,440	7.6	70	8.7	0	
418	Qtal 8	445-545	by May 7, 1964	--	--	--	2	--	--	69	82	35	--	--	--	--	16	440	8.5	--	--	.98	
		355-545	by Aug. 22, 1966	35	0	7.5	.2	81	.9	80	74	36	1.0	0	--	275	20	431	8.2	90	7.9	.92	
		200-545	by Sept. 9, 1969	--	--	--	--	--	--	--	--	40	--	--	--	--	--	429	--	--	--	--	
419	Qtal 8	585-1,050	by Aug. 23, 1966	34	.03	7.2	.2	78	1.8	72	78	32	1.0	0	--	269	19	422	8.4	89	7.8	.87	
420	Qal Rg	202	by Apr. 16, 1952	--	--	16	6.0	--	--	116	139	75	--	--	--	447	66	--	8.5	--	--	--	
		202	by July 15, 1952	34	--	12	1.6	95	--	95	91	48	1.0	0	--	346	37	526	8.5	85	--	--	
		202	by Sept. 30, 1952	--	--	--	--	--	--	--	99	--	53	--	--	--	--	43	556	8.1	--	--	--
		202	by Sept. 8, 1953	--	--	--	--	--	--	--	93	--	48	--	--	--	--	37	507	7.3	--	--	--
		202	by Dec. 15, 1953	--	.10	12	1.5	--	--	90	104	46	.9	--	--	--	336	37	--	8.2	--	--	--
		202	by June 23, 1954	--	--	--	--	--	--	95	--	50	--	--	--	--	--	38	505	8.2	--	--	--
		202	by Oct. 26, 1955	--	--	--	--	--	--	92	--	50	--	--	--	--	--	39	514	8.3	--	--	--
		202	by Mar. 26, 1957	--	.02	15	--	114	--	--	108	53	.8	--	--	--	346	42	--	8.4	88	--	--
		155	by Oct. 23, 1967	--	--	--	--	--	--	--	86	128	81	--	--	--	--	72	680	7.1	--	--	0
		423	Qal Rg	200	by Aug. 5, 1966	32	.06	55	7.8	210	5.7	156	286	150	.5	0	--	825	170	1,320	7.6	72	7.0	0
424	Qal Rg	200	by do	35	.04	65	5.4	221	4.8	116	316	178	.4	0	--	884	186	1,400	7.5	72	7.0	0	
426	Qal Rg	200	by do	35	.32	228	36	520	11	206	456	875	--	1.8	--	2,270	721	3,770	7.3	61	8.4	0	
428	Qal Rg	200	by Aug. 10, 1966	33	.25	70	14	206	4.6	211	292	150	.9	.2	--	876	234	1,410	7.3	65	5.9	0	
429	Qal Rg	50	by May 13, 1968	--	--	290	76	--	--	532	1,280	600	--	--	--	--	1,040	4,470	7.7	--	--	0	
		50	by Dec. 18, 1969	--	--	212	53	--	--	664	996	340	--	--	--	--	747	3,490	8.2	--	--	0	
430	Qal Rg	50	by May 10, 1968	--	--	154	35	--	--	270	440	215	--	--	--	--	528	1,860	7.9	--	--	0	
		50	by Dec. 18, 1969	--	--	128	26	--	--	256	360	155	--	--	--	--	426	1,520	7.2	--	--	0	
431	Qal Rg	50	by May 20, 1968	--	--	73	16	--	--	184	275	104	--	--	--	--	248	1,190	7.6	--	--	0	
		50	by Dec. 18, 1969	--	--	152	32	--	--	280	424	185	--	--	--	--	510	1,700	7.5	--	--	0	
434	Qal Rg	160	by June 30, 1953	--	--	--	--	--	--	267	320	282	--	--	--	--	298	1,900	8.1	--	--	--	
436	Qtal 8	190	by Mar. 13, 1953	30	--	3.9	.3	80	--	79	67	35	--	0	--	263	11	395	8.9	94	--	--	
		190	by Jan. 27, 1970	--	--	310	72	--	--	126	1,570	1,120	--	--	--	--	1,070	5,840	7.8	--	--	0	
437	Qtal 8	131	by Feb. 27, 1953	34	--	24	8.2	157	--	127	134	135	--	0	--	558	94	918	8.2	78	--	--	
		131	by May 29, 1969	--	--	9.5	0	--	--	74	85	48	--	--	--	--	24	465	7.9	--	--	.74	
438	Qtal 8	142	by June 18, 1952	38	--	20	4.8	118	--	98	106	101	.8	0	.22	452	70	733	8.4	79	--	--	
		142	by July 1956	--	--	--	--	--	--	111	--	104	--	--	--	--	88	778	8.2	--	--	--	

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)	
JL-49-04-441	Qta1 8	210-230 336-366 404-434 619-649	g Aug. 28, 1953	15	0.02	53	30	257	--	184	293	250	1.8	1.0	--	999	256	1,660	7.9	69	--	--	
			g Aug. 17, 1953	6.3	.01	35	18	244	13	186	238	205	2.0	2.0	--	.13	863	162	1,440	7.8	75	--	--
			g Aug. 20, 1953	15	.02	60	29	207	--	203	213	228	2.2	1.0	--	--	859	268	1,460	8.0	63	--	--
			g Aug. 21, 1953	15	.03	33	12	312	11	254	217	265	1.4	1.0	.45	998	132	1,680	8.1	82	--	--	
442	Qta1 8	160	g June 30, 1953	24	--	5.4	.3	86	--	79	75	42	--	0	--	274	15	447	8.3	93	--	--	
444	Qta1 8	35	g July 31, 1952	37	--	14	3.2	136	--	117	134	74	1.4	1.5	--	459	48	748	8.2	86	--	--	
452	Qta1 8	204	g July 11, 1958	36	--	66	39	163	--	182	221	210	1.8	0	--	852	325	1,360	7.9	62	--	--	
501	Qta1 8	215-279	g Aug. 31, 1953	11	.18	60	30	236	12	216	269	232	2.6	1.0	.20	983	273	1,590	7.8	64	--	--	
505	Qta1 8	224	h Feb. 20, 1958	--	.02	78	18	--	--	--	130	293	1.5	--	--	888	272	--	8.1	--	--	--	
			g May 18, 1974	33	--	57	40	157	--	176	276	164	2.1	.2	--	820	308	1,250	7.6	--	--	--	
702	Qal Rg	140	g Mar. 26, 1952	52	--	21	13	447	--	448	335	232	--	.2	.9	1,320	106	2,080	7.8	90	--	--	
			g May 29, 1969	--	--	62	24	--	--	366	386	226	--	--	--	--	253	253	1,950	7.9	99	--	0.94
704	Qal Rg	50	g May 8, 1968	--	--	121	23	--	--	244	336	163	--	--	--	--	396	1,500	7.5	--	--	0	
			g Dec. 18, 1969	--	--	84	17	--	--	252	266	108	--	--	--	--	--	280	1,220	7.8	--	--	0
707	Qal Rg	178	g Feb. 28, 1969	--	--	167	38	--	--	458	597	194	--	--	--	--	573	2,250	7.7	--	--	0	
711	Qal Rg	141	g Mar. 30, 1951	44	--	56	9.2	328	--	325	345	190	--	0	.26	1,130	178	1,730	8.1	80	--	--	
			g Feb. 28, 1969	--	--	120	17	--	--	296	375	180	--	--	--	--	--	370	1,680	7.7	--	--	0
714	Qal Rg	167	g Jan. 11, 1952	27	.10	102	25	235	--	124	256	351	2.0	.2	--	1,060	358	1,810	7.8	59	--	--	
			g June 26, 1956	--	--	--	--	--	--	--	94	--	492	--	--	--	--	454	2,460	7.8	--	--	--
716	Qal Rg Qta1 6	110-130 205-235 298-328 410-440 490-520	g Aug. 14, 1952	26	0	56	37	220	14	177	325	208	1.8	3.0	.26	1,000	292	1,590	7.8	61	--	--	
			g Aug. 9, 1953	23	.05	42	29	1,190	--	416	1,030	980	1.8	1.0	--	--	3,500	212	5,410	8.2	92	--	--
			g Aug. 10, 1953	49	.08	31	27	1,150	7.6	597	922	880	2.6	1.5	1.5	3,370	188	5,220	8.2	93	--	--	
			g Aug. 13, 1953	32	0	38	33	1,200	--	578	951	970	1.3	1.5	--	--	3,510	230	5,480	8.1	92	--	--
			g do	--	--	--	--	--	--	178	--	1,570	--	--	--	299	7,390	7.6	--	--	--		
718	Qal Rg	150	g Feb. 28, 1969	--	--	105	18	--	--	362	430	241	--	--	--	--	336	2,080	7.6	--	--	0	
719	Qal Rg	128	g Mar. 30, 1951	42	--	254	103	1,920	--	398	1,730	2,230	.7	--	1.7	6,470	1,060	9,470	7.8	80	--	--	
720	Qal Rg	62	h Aug. 27, 1951	--	--	--	--	--	--	--	740	752	--	--	--	--	610	--	--	--	--	--	
721	Qal Rg	80	h do	--	--	--	--	--	--	--	388	303	--	--	--	--	442	--	--	--	--	--	
723	Qal Rg Qta1 6	10 260 470 1,007	h 1922	--	--	--	--	--	--	--	--	--	--	--	--	1,004	--	--	--	--	--	--	
			h 1922	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,800	--	--	--	--	--
			h 1922	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3,740	--	--	--	--	--
			h 1922	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4,542	--	--	--	--	--
724	Qal Rg	124	g Mar. 30, 1951	46	--	93	45	455	--	487	499	358	--	.2	.60	1,740	417	2,630	8.0	70	--	--	
725	Qal Rg	150	h June 21, 1957	--	.02	62	23	--	--	--	300	160	1.5	--	--	810	260	--	8.0	--	--	--	
726	--	--	g Oct. 10, 1969	--	--	107	21	--	--	234	336	148	--	--	--	--	354	1,450	8.0	--	--	--	
728	Qal Rg Qta1 8	163-180 258-274 370-394	h June 6, 1970	2.4	.06	82	23	199	--	--	205	265	1.52	--	--	866	299	--	8.1	65	--	--	
			h June 9, 1970	22	.25	48	17	446	--	--	438	385	1.58	--	--	--	1,452	192	--	8.0	87	--	--
			h June 11, 1970	45	.10	28	21	770	--	--	809	765	1.87	--	--	--	2,847	156	--	8.5	95	--	--
	Qal Rg	105-170	h Oct. 23, 1970	9	.11	75	31	200	--	--	194	280	1.82	--	--	874	316	--	8.0	65	--	--	
05-201	Qta1 6	631	g Feb. 5, 1976	28	--	28	9	121	--	183	60	85	--	--	--	514	102	675	7.6	--	--	--	
202	Qta1 6	625	g Jan. 20, 1976	28	--	32	10	109	--	153	60	100	--	--	--	492	120	775	7.3	--	--	--	
204	Qta1 6	515	h Aug. 1962	--	.02	30	8	--	--	--	49	110	1.00	--	--	412	110	--	7.7	--	--	--	
			h June 1964	--	.02	31	6	--	--	--	--	61	120	.90	--	--	338	102	--	7.9	--	--	--

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)	
JL-49-05-204	Qtal 6	515	Sept. 1967	--	0.03	30	7	--	--	--	89	125	0.80	--	--	463	104	--	8.2	--	--	--	
		515	Jan. 16, 1969	--	.10	26	7	117	--	--	56	135	.60	--	--	463	92	--	7.8	--	--	--	
		515	Aug. 1, 1969	--	.02	26	8	115	--	--	58	110	.88	--	--	478	94	--	8.4	77	--	--	
		515	Aug. 6, 1970	--	.04	30	8	125	--	--	73	125	.55	--	--	516	106	--	8.1	77	--	--	
		515	June 26, 1971	--	.01	31	5	119	--	--	66	113	.85	--	--	412	99	--	8.1	77	--	--	
		515	Apr. 1972	--	.55	31	7.2	113	--	--	73	100	.50	--	--	457	108	--	7.5	75	--	--	
205	Qtal 6	397	Apr. 28, 1940	28	--	33	8.5	109	--	188	82	81	--	--	--	413	118	--	--	--	--	--	
		350	Apr. 29, 1940	25	--	36	11	106	--	--	171	100	85	--	--	--	450	133	--	--	--	--	
		452-517	Apr. 30, 1940	30	--	33	9	100	--	--	181	78	76	--	--	--	395	120	--	--	--	--	
		585-595	May 3, 1940	25	--	22	4.3	5	7	--	121	56	45	--	--	--	323	72	--	--	--	--	
		729	May 5, 1940	29	--	98	13	213	--	--	54	23	474	--	--	--	1,100	298	--	--	--	--	
		790	May 17, 1940	31	--	127	17	279	--	51	24	658	--	--	--	1,370	389	--	--	--	--		
206	Qtal 6	607-665	June 25, 1953	2.6	.03	24	6.6	174	9.2	156	76	190	1.0	1.0	0.13	575	87	1,040	7.4	79	--	--	
		793-839	July 19, 1953	17	.02	102	21	484	--	--	131	144	802	1.3	.5	.01	1,640	341	3,040	7.4	76	--	--
		938-969	July 20, 1953	14	.06	62	14	501	13	--	151	195	708	.9	.0	.29	1,580	212	2,870	7.4	83	--	--
		1,149-1,200	July 22, 1953	--	--	--	--	--	--	--	46	--	9,000	--	--	--	3,860	25,200	7.0	--	--	--	
208	Qtal 6	825	Nov. 1, 1974	31	--	26	24	189	--	185	100	164	--	--	--	717	164	950	7.8	--	--	--	
212	Qtal 6	615-635	Nov. 22, 1974	--	.08	21	5	103	--	--	75	75	.2	--	--	430	72	620	8.4	80	--	--	
		776-796	do	--	.11	66	9	199	--	--	44	370	.28	--	--	850	202	1,340	8.0	73	--	--	
		988-1,008	do	--	.10	121	18	537	--	--	109	970	.68	--	--	1,995	380	3,000	7.6	79	--	--	
		839	Dec. 20, 1974	--	.2	--	--	--	--	--	63	155	--	--	--	--	140	765	--	--	--	--	
		839	Dec. 31, 1975	30	--	40	10	109	--	124	50	162	--	--	--	526	144	750	7.7	--	--	--	
213	Qtal 6	875	Feb. 6, 1975	--	.07	--	--	--	--	--	50	400	--	--	--	--	206	--	--	--	--	--	
		875	Jan. 15, 1976	33	--	56	9	205	--	--	83	60	350	--	--	--	797	176	1,225	7.2	--	--	--
301	Qtal 6	515-541	Apr. 9, 1958	--	.02	25	7	--	--	--	58	70	.8	--	--	362	90	--	8.4	--	--	--	
		636-662	do	--	.02	40	5	--	--	--	58	130	.5	--	--	--	444	122	--	8.4	--	--	--
		756-782	do	--	.02	56	11	--	--	--	38	330	.6	--	--	--	740	184	--	8.3	--	--	--
		875-901	do	--	.02	61	10	--	--	--	33	328	.3	--	--	--	759	196	--	8.3	--	--	--
		671	Apr. 17, 1962	--	.03	31	7	--	--	--	51	95	1.1	--	--	--	389	108	--	8.3	--	--	--
		671	Aug. 21, 1963	--	.04	31	8	--	--	--	55	102	.55	--	--	--	386	110	--	8.7	--	--	--
		671	June 14, 1964	--	.04	30	9	--	--	--	49	105	.70	--	--	--	383	112	--	8.6	--	--	--
		671	May 24, 1965	--	.03	31	4	--	--	--	59	110	.60	--	--	--	379	94	--	8.6	--	--	--
		671	Oct. 10, 1965	--	.04	33	7	--	--	--	58	90	.60	--	--	--	405	110	--	8.6	--	--	--
		671	Sept. 8, 1967	--	.04	33	8	--	--	--	57	80	.50	--	--	--	422	115	--	8.2	--	--	--
		671	Jan. 16, 1969	--	.05	30	7	80	--	--	56	75	.35	--	--	--	386	102	--	7.7	--	--	--
		671	Aug. 1, 1969	--	.04	30	6	87	--	--	54	75	.50	--	--	--	406	100	--	8.4	71	--	--
		671	Aug. 6, 1970	--	.01	34	6	98	--	--	60	95	.09	--	--	--	446	110	--	7.5	71	--	--
		671	June 26, 1971	--	.02	34	5	81	--	--	55	73	.45	--	--	--	322	107	--	7.5	68	--	--
		671	Apr. 10, 1972	--	.01	36	6.3	80	--	--	63	70	.13	--	--	--	375	116	--	7.8	--	--	--
		671	May 9, 1973	--	.01	33	7	95	--	--	61	93	.35	--	--	400	110	--	7.9	70	--	--	
304	Qtal 6	503-746	Aug. 5, 1966	30	.00	68	16	274	7.8	77	29	532	.7	4.5	.06	1,000	238	1,940	7.2	71	7.7	0	
305	Qtal 6	374-499	Aug. 1, 1966	31	--	30	5.6	76	4.7	129	41	82	.7	4.8	.08	340	99	570	7.2	61	3.3	.13	
		834	Nov. 1, 1974	30	--	24	14	98	--	--	50	84	--	--	--	436	116	580	8.0	--	--	--	
306	Qtal 6	489-514	July 5, 1965	--	.08	25	3	--	--	--	368	120	.3	--	--	315	75	--	--	--	--	--	
		580-605	do	--	.1	44	6	--	--	--	370	145	.3	--	--	542	135	--	--	--	--	--	
		671-696	do	--	.1	117	5	--	--	--	570	575	.4	--	--	1,459	312	--	--	--	--	--	
309	Qtal 6	490-515	Oct. 5, 1965	34	--	24	2.2	63	--	110	41	46	.8	6.4	--	271	69	427	--	66	3.3	.42	
		595-620	Oct. 6, 1965	33	--	31	.33	110	--	98	40	146	.7	3.5	--	416	94	722	--	72	4.9	0	
		691-716	do	--	--	45	57	126	--	73	35	218	.6	4.5	--	505	136	906	--	67	4.7	0	
501	Qtal 6	840	Nov. 20, 1957	--	.02	47	12	--	--	--	102	80	1.5	--	--	434	168	--	8.1	--	--	--	
		840	June 4, 1958	--	.02	34	13	--	--	--	64	82	1.6	--	--	--	460	138	--	8.8	--	--	--
		840	Aug. 5, 1960	--	.02	31	15	--	--	--	67	86	1.0	--	--	--	463	140	--	9.0	--	--	--
		840	Apr. 16, 1961	--	.02	48	11	--	--	--	72	88	1.1	--	--	--	449	165	--	8.5	--	--	--
		840	Aug. 10, 1961	--	.02	34	15	--	--	--	56	95	1.0	--	--	--	471	144	--	8.3	--	--	--

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)	
JL-49-05-501	Qtal 6	840	Aug. 22, 1962	--	0.02	34	13	--	--	--	67	115	0.9	--	--	483	140	--	7.7	--	--	--	
		840	Feb. 1, 1963	--	.013	33	11	--	--	--	62	100	.7	--	--	464	144	--	7.9	--	--	--	
		840	June 14, 1964	--	.03	34	14	--	--	--	82	110	.7	--	--	469	144	--	7.8	--	--	--	
		840	Sept. 8, 1967	--	.02	41	14	--	--	--	79	95	.6	--	--	421	160	--	7.8	--	--	--	
		840	Jan. 16, 1969	--	.09	39	12	143	--	--	84	145	1.30	--	--	624	148	--	7.6	--	--	--	
		840	July 24, 1969	--	.005	39	12	121	--	--	79	90	1.30	--	--	553	130	--	8.4	74	--	--	--
		840	July 22, 1970	--	--	38	13	125	--	--	65	125	1.28	--	--	473	148	--	7.8	71	--	--	--
		840	Aug. 5, 1971	--	.016	34	13	96	--	--	62	75	1.51	--	--	486	139	--	7.8	67	--	--	--
		840	May 24, 1972	--	.03	26	17	117	--	--	67	98	1.35	--	--	460	138	--	7.8	73	--	--	--
840	Apr. 23, 1973	--	.025	30	16	94	--	--	62	74	1.27	--	--	501	139	--	8.0	67	--	--	--		
502	Qtal 6	554-577	Apr. 7, 1940	34	--	90	15	268	--	104	85	488	--	--	--	1,190	285	--	--	--	--	--	
		342-524	Apr. 20, 1940	30	--	47	10	179	--	119	74	259	--	--	--	697	159	--	--	--	--	--	
503	Qtal 6	570	Dec. 10, 1963	--	.002	42	7.7	--	--	--	90	150	.009	--	--	456	138	--	6.9	--	--	--	
		570	Sept. 8, 1967	--	.003	41	9	--	--	--	93	155	.01	--	--	461	140	--	7.6	--	--	--	
		570	Jan. 22, 1969	--	--	38	11	155	--	--	90	160	1.30	--	--	646	140	--	8.2	--	--	--	
		570	Aug. 1, 1969	--	.02	30	12	144	--	--	73	145	1.22	--	--	594	124	--	8.2	67	--	--	
		570	Sept. 3, 1970	--	.05	37	9	--	--	--	74	150	1.04	--	--	506	131	--	7.5	76	--	--	
		570	July 13, 1971	--	.05	35	10	143	--	--	82	144	1.27	--	--	506	131	--	7.9	76	--	--	
		570	July 27, 1972	--	.03	36	13	141	--	--	88	142	1.33	--	--	576	142	--	7.8	74	--	--	
505	Qtal 6	1,150	July 1963	--	0	47	17	--	--	--	114	45	.025	--	--	368	188	--	8.1	--	--	--	
506	Qtal 6	712-737	Aug. 1963	--	.004	292	39	--	--	--	194	1,855	.05	--	--	4,321	892	--	8.4	--	--	--	
507	Qtal 6	597-640	May 13, 1953	20	.00	22	11	100	3.7	214	85	34	1.8	4.0	0.06	390	100	639	8.1	68	--	--	
		660-700	do	30	.00	30	17	75	3.6	246	61	28	2.0	2.5	.06	370	145	587	8.1	52	--	--	
		793-833	May 14, 1953	34	.01	30	16	65	5.1	234	54	24	1.2	4.5	.09	349	141	557	8.0	49	--	--	
		877-917	May 16, 1953	31	.00	29	14	63	4.6	215	50	26	.8	3.5	.03	328	130	527	8.0	50	--	--	
		977-1,017	May 18, 1953	33	.00	30	15	73	5.2	227	63	29	1.2	3.0	.05	364	136	581	8.1	53	--	--	
		1,092-1,132	May 19, 1953	15	.01	19	5.7	142	5.6	203	139	52	1.1	4.5	.00	496	71	790	7.5	80	--	--	
		1,152-1,200	May 23, 1953	26	.04	22	7.1	160	--	232	102	92	.9	4.2	--	532	84	888	7.8	81	--	--	
		630	June 10, 1953	33	.01	37	22	54	3.4	247	54	25	1.2	4.5	.08	355	183	590	8.0	39	--	--	
508	Qtal 6	447	June 13, 1940	30	--	37	9.6	139	--	185	90	134	--	--	--	537	132	--	--	--	--		
		491	June 14, 1940	25	--	40	9.6	162	--	163	83	191	--	--	--	608	139	--	--	--	--		
		507	June 18, 1940	27	--	53	18	168	--	139	77	269	--	--	--	722	206	--	--	--	--		
		535-555	June 19, 1940	--	--	70	14	207	--	95	62	450	--	--	--	1,040	231	--	--	--	--		
		579-611	June 21, 1940	--	--	121	21	455	--	94	96	830	--	--	--	1,830	389	--	--	--	--		
		648	June 24, 1940	--	--	200	30	644	--	91	110	1,300	--	--	--	2,700	623	--	--	--	--		
		697	do	--	--	475	65	1,890	--	68	304	3,600	--	--	--	7,300	1,460	--	--	--	--		
601	Qtal 6	662-700	May 13, 1958	--	.003	26	6	--	--	--	64	80	.4	--	--	400	90	--	8.4	--	--	--	
		750-800	May 15, 1958	--	V V V V	38	9	--	--	--	40	267	.4	--	--	699	130	--	8.0	--	--	--	
		690	July 22, 1958	--	.02	32	15	--	--	--	68	72	.7	--	--	440	110	--	8.4	--	--	--	
		690	Aug. 17, 1960	--	.02	30	9	--	--	--	79	80	.9	--	--	412	114	--	8.8	--	--	--	
		690	July 23, 1962	--	.02	33	20	--	--	--	76	135	.7	--	--	445	120	--	8.9	--	--	--	
		690	Aug. 22, 1962	--	.02	33	10	--	--	--	82	95	1.0	--	--	472	122	--	7.9	--	--	--	
		690	May 24, 1965	--	.02	31	8	--	--	--	76	95	.9	--	--	442	110	--	8.0	--	--	--	
		690	Jan. 16, 1969	--	.08	23	12	85	--	--	61	70	.5	--	--	408	108	--	7.8	--	--	--	
		690	Aug. 1, 1969	--	.03	30	8	102	--	--	81	75	.7	--	--	467	107	--	8.4	73	--	--	
		690	July 18, 1970	--	.12	33	12	112	--	--	63	120	.7	--	--	425	120	--	7.8	71	--	--	
		690	June 29, 1971	--	.01	33	7	94	--	--	67	75	.58	--	--	359	110	--	7.8	70	--	--	
		690	Apr. 10, 1972	--	.01	34	6.7	133	--	--	90	65	.7	--	--	398	112	--	7.4	76	--	--	
		690	Apr. 18, 1973	--	V	.01	32	8.2	99	--	--	69	79	.25	--	--	422	114	--	8.0	71	--	--
602	Qtal 6	525-558	Feb. 19, 1958	--	.12	9	0	--	--	--	120	94	1.2	--	--	783	22	--	8.6	--	--	--	
		635-668	Feb. 20, 1958	--	.08	27	6	--	--	--	28	156	.7	--	--	414	92	--	8.6	--	--	--	
		753-786	Feb. 21, 1958	--	.08	30	9	--	--	--	19	187	.7	--	--	454	110	--	8.3	--	--	--	
		699	May 8, 1958	--	V	.02	22	3	--	--	40	69	.6	--	--	293	68	--	8.2	--	--	--	
		699	Apr. 14, 1964	--	.01	21	4	--	--	103	56	75	.5	--	--	267	69	--	8.1	--	--	--	
		699	May 24, 1965	--	.03	24	3	--	--	156	62	80	.6	--	--	339	72	--	8.2	--	--	--	
		699	Apr. 18, 1966	--	.03	42	10	--	--	90	97	105	.6	--	--	390	144	--	8.0	--	--	--	
		699	Aug. 10, 1967	--	.014	56	8	--	--	90	128	140	.6	--	--	504	172	--	8.0	--	--	--	

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)	
JL-49-05-602	Qtal 6	699	Jan. 16, 1969	--	0.12	96	29	105	--	101	142	240	0.36	--	--	735	360	--	7.6	--	--	--	
		699	Aug. 1, 1969	--	.03	90	22	108	--	100	121	230	.38	--	--	693	314	--	8.2	--	--	--	
		699	Aug. 6, 1970	--	.015	82	13	112	--	--	108	205	.15	--	--	642	258	--	7.6	54	--	--	
		699	Aug. 10, 1971	--	.010	121	13	120	--	--	161	241	.54	--	--	721	338	--	7.6	47	--	--	
		699	Apr. 10, 1972	--	.015	99	11	108	--	--	123	210	.12	--	--	802	294	--	7.7	50	--	--	
		699	May 9, 1973	--	.01	126	17	152	--	--	200	281	.20	--	--	1,080	386	--	8.3	52	--	--	
		410	Feb. 26, 1974	--	--	180	39	280	--	--	238	280	510	--	6.7	--	1,440	610	2,490	7.4	--	--	0
		440	do	--	--	190	41	270	--	--	236	260	530	--	6.7	--	1,440	640	2,510	7.7	--	--	0
		570	do	--	--	160	33	220	--	--	168	290	400	--	5.5	--	1,210	530	2,080	7.5	--	--	0
		600	do	--	--	150	32	240	--	--	166	290	400	--	6.4	--	1,220	520	2,090	7.5	--	--	0
603	Qtal 6	657	Nov. 18, 1957	--	.02	42	7	--	--	--	80	90	.9	--	--	429	134	--	8.3	--	--	--	
		657	July 3, 1958	--	.02	30	16	--	--	--	56	90	.9	--	--	428	122	--	8.2	--	--	--	
		657	Aug. 11, 1960	--	.02	26	10	--	--	--	75	93	.9	--	--	448	106	--	8.7	--	--	--	
		657	Apr. 9, 1962	--	.02	30	9	--	--	--	77	115	.8	--	--	439	118	--	7.7	--	--	--	
		657	May 15, 1964	--	.025	35	7	--	--	--	81	120	.7	--	--	426	116	--	7.8	--	--	--	
		657	May 24, 1965	--	.02	32	8	--	--	--	84	110	.7	--	--	438	113	--	7.9	--	--	--	
		657	Apr. 18, 1966	--	.03	39	9	--	--	--	88	100	.6	--	--	476	134	--	7.9	--	--	--	
		657	Feb. 23, 1967	--	--	28	10	--	--	--	64	95	.9	--	--	438	110	--	--	--	--	--	
		657	Jan. 16, 1969	--	.04	32	9	109	--	--	83	90	.72	--	--	494	116	--	7.8	--	--	--	
		657	July 24, 1969	--	.010	30	5	110	--	--	69	85	.71	--	--	472	106	--	8.4	76	--	--	
		657	Oct. 21, 1969	--	.02	32	7	97	--	--	56	85	.87	--	--	449	110	--	8.2	71	--	--	
		657	July 10, 1970	--	--	34	8	101	--	--	75	85	.48	--	--	474	116	--	8.2	71	--	--	
		657	June 27, 1971	--	.01	34	7	104	--	--	88	88	.68	--	--	392	113	--	8.2	72	--	--	
		657	Apr. 10, 1972	--	.01	32	9	95	--	--	--	79	70	.18	--	--	470	116	--	8.2	70	--	--
604	Qtal 6	435-480	Jan. 10, 1958	--	.02	42	9	--	--	--	64	109	.6	--	--	457	140	--	8.4	--	--	--	
		568-605	do	--	.08	42	9	--	--	--	66	120	.5	--	--	463	142	--	8.4	--	--	--	
		682-719	Jan. 13, 1958	--	.16	35	7	--	--	--	51	86	.9	--	--	369	116	--	8.3	--	--	--	
		773-810	do	--	.16	42	7	--	--	--	33	143	.9	--	--	403	134	--	8.2	--	--	--	
		804	July 7, 1969	--	--	24	5.3	--	--	--	130	39	66	--	--	--	82	503	7.4	--	--	.49	
		400	Feb. 26, 1974	--	--	140	33	170	--	--	118	230	350	--	6.9	--	1,010	480	1,800	7.6	--	--	0
		440	do	--	--	130	32	170	--	--	120	220	340	--	6.1	--	977	460	1,720	7.4	--	--	0
500	do	--	--	130	30	160	--	--	120	220	320	--	5.2	--	929	440	1,640	7.8	--	--	0		
560	do	--	--	120	28	150	--	--	120	200	300	--	5.0	--	879	410	1,580	7.8	--	--	0		
605	Qtal 6	575-600	July 1960	--	.02	28	3	--	--	--	45	75	.4	--	--	335	66	--	8.4	--	--	--	
		696-721	do	--	.02	30	4	--	--	--	50	140	.6	--	--	441	92	--	7.9	--	--	--	
		799-824	do	--	.02	35	8	--	--	--	57	155	.6	--	--	519	120	--	8.1	--	--	--	
		906-931	do	--	.02	106	19	--	--	--	70	785	.9	--	--	1,803	344	--	7.9	--	--	--	
		770	May 1, 1962	--	.02	17	8	--	--	--	57	100	.5	--	--	303	76	--	8.3	--	--	--	
		770	July 20, 1964	--	.03	15	6	--	--	--	48	90	.5	--	--	270	67	--	8.2	--	--	--	
		770	Apr. 21, 1965	--	.02	47	4	--	--	--	51	95	.6	--	--	280	134	--	8.1	--	--	--	
		770	Aug. 10, 1967	--	.013	19	4	--	--	--	44	65	.6	--	--	298	64	--	8.4	--	--	--	
		770	Jan. 22, 1969	--	o	21	4	58	--	--	33	50	.6	--	--	275	170	--	8.3	--	--	--	
		770	Aug. 1, 1969	--	.01	14	7	63	--	--	29	60	.59	--	--	279	64	--	8.7	59	--	--	
		770	July 10, 1970	--	.05	23	4	68	--	--	46	60	.29	--	--	310	76	--	8.2	72	--	--	
		770	June 26, 1971	--	.02	22	4	62	--	--	20	70	.59	--	--	231	71	--	8.2	70	--	--	
		770	July 10, 1972	--	.01	22	5	82	--	--	48	83	.46	--	--	302	74	--	8.2	75	--	--	
		770	July 31, 1972	--	.01	23	8	62	--	--	31	75	.68	--	--	283	90	--	8.0	67	--	--	
770	Apr. 18, 1973	--	.01	24	4.8	70	--	--	--	36	74	.16	--	--	298	80	--	8.2	71	--	--		
606	Qtal 6	500-538	Feb. 18, 1956	--	--	26	9	151	--	187	106	92	--	--	--	497	102	--	--	--	--	--	
		659-689	Feb. 20, 1956	--	--	29	8	124	--	134	80	126	--	--	--	--	468	107	--	--	--	--	
		840-870	Feb. 21, 1956	--	--	28	7	205	--	126	110	228	--	--	--	--	663	100	--	--	--	--	
		826	Oct. 23, 1957	--	.02	38	6	--	--	--	76	102	.9	--	--	--	466	120	--	7.8	--	--	--
		826	Feb. 17, 1958	--	.02	31	10	--	--	--	74	105	.9	--	--	--	465	118	--	8.2	--	--	--
		826	Aug. 11, 1960	--	.02	22	11	--	--	--	104	110	1.1	--	--	--	468	100	--	8.5	--	--	--
		826	June 14, 1964	--	.025	32	11	--	--	--	81	155	.9	--	--	--	499	125	--	7.7	--	--	--
		826	Aug. 10, 1967	--	.023	34	8	--	--	--	79	130	.8	--	--	--	486	118	--	8.0	71	--	--
		826	July 24, 1969	--	.005	32	9	102	--	--	77	75	.55	--	--	--	480	118	--	8.4	71	--	--
		826	July 10, 1970	--	.10	37	8	108	--	--	94	80	.45	--	--	--	510	132	--	8.3	71	--	--
		826	June 27, 1971	--	.01	35	8	111	--	--	67	114	.79	--	--	--	415	120	--	8.3	72	--	--
826	Apr. 10, 1972	--	.01	34	8	102	--	--	67	95	.19	--	--	--	460	119	--	8.2	71	--	--		
826	Apr. 4, 1973	--	.01	34	9	113	--	--	--	69	113	.68	--	--	504	120	--	8.1	72	--	--		

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)	
JL-49-05-607	Qtal 6	543-568	Oct. 15, 1959	--	--	22	1.2	--	--	--	89	70	--	--	--	290	78	--	7.7	--	--	--	
		648-673	Oct. 16, 1959	--	--	26	1.5	--	--	--	156	80	--	--	--	417	94	--	7.7	--	--	--	
		724-809	Oct. 17, 1959	--	--	26	1.5	--	--	--	157	75	--	--	--	390	96	--	7.8	--	--	--	
		784-809	do	--	--	22	2.4	--	--	--	168	75	--	--	--	363	82	--	7.8	--	--	--	
		860-885	do	--	--	25	2.2	--	--	--	116	75	--	--	--	390	84	--	7.6	--	--	--	
		826	Nov. 18, 1959	--	0.02	28	8	--	--	--	48	65	0.14	--	--	--	327	104	--	7.6	--	--	--
		826	Apr. 21, 1962	--	.02	22	5	--	--	--	101	65	.8	--	--	--	326	76	--	8.2	--	--	--
		826	Aug. 27, 1962	--	.03	25	6	--	--	--	92	85	.8	--	--	--	376	88	--	7.9	--	--	--
		826	Mar. 11, 1963	--	.023	22	9	--	--	--	104	80	.6	--	--	--	383	92	--	8.0	--	--	--
		826	July 20, 1964	--	.03	21	11	--	--	--	96	70	.7	--	--	--	331	99	--	8.0	--	--	--
		826	Sept. 8, 1967	--	.03	22	6	--	--	--	98	60	.6	--	--	--	329	80	--	8.2	--	--	--
		826	Jan. 16, 1969	--	.45	21	11	79	--	--	58	60	.35	--	--	--	381	96	--	7.9	--	--	--
		826	Aug. 1, 1969	--	.02	22	6	79	--	--	53	55	.57	--	--	--	359	83	--	8.4	74	--	--
		826	July 10, 1970	--	.04	25	4	75	--	--	50	55	.31	--	--	--	347	86	--	8.3	72	--	--
		826	June 26, 1971	--	.02	25	6	84	--	--	71	56	.53	--	--	--	309	82	--	8.3	74	--	--
		826	Apr. 10, 1972	--	.02	25	7.2	64	--	--	65	35	.18	--	--	--	384	92	--	7.4	67	--	--
		826	Mar. 31, 1973	--	.01	25	6	76	--	--	48	59	.46	--	--	--	360	86	--	8.6	71	--	--
608	Qtal 6	761-786	Mar. 31, 1966	31	--	63	14	204	11	59	23	415	.6	2.0	0.05	805	214	1,550	8.5	--	--	--	
		1,225-1,250	Apr. 4, 1966	29	.11	1,270	186	2,600	23	41	668	6,360	--	--	.21	11,200	3,940	18,100	6.4	59	--	--	
		1,724-1,749	Apr. 8, 1966	12	.22?	2,250	115	5,260	28	33	1,820	11,000	--	--	.25	20,500	6,090	31,000	6.4	65	--	--	
		2,167-2,182	Apr. 22, 1966	20	.49	2,950	578	12,100	48	34	2,250	23,900	--	--	0	41,900	9,740	60,900	7.1	73	--	0	
		2,835-2,856	May 2, 1966	14	.19	2,000	125	7,350	34	10	1,690	14,300	--	--	3.0	25,700	5,500	38,300	5.0	75	--	0	
		800-820	May 23, 1966	32	--	47	11	198	10	72	55	354	.6	2.5	--	747	168	1,400	7.3	70	6.6	0	
686-710	do	24	.48	55	7.4	184	9.8	85	56	322	.6	3.2	--	704	168	1,310	8.1	69	6.2	0			
611	Qtal 6	539-573	May 25, 1953	29	.05	30	9.6	103	11	176	80	88	.7	4.3	.32	447	114	756	7.9	64	--	--	
		662-708	May 27, 1953	28	.02	24	6.9	93	9.4	152	61	79	.7	4.6	.30	384	88	656	7.9	67	--	--	
		730-776	do	7.2	.01	17	3.9	105	8.8	142	61	83	.7	5.2	.13	370	58	651	7.8	77	--	--	
		870-916	May 28, 1953	22	.01	38	11	154	12	98	38	258	.6	2.8	.16	603	140	1,100	7.3	68	--	--	
		986-1,032	May 29, 1953	22	.03	119	27	408	15	72	66	840	.3	0	.18	1,530	408	3,030	7.1	68	--	--	
		1,098-1,132	May 30, 1953	5.6	.01	208	55	712	18	61	148	1,520	.6	0	.25	2,700	745	4,980	6.9	67	--	--	
		1,162-1,208	June 1, 1953	24	.02	484	74	1,290	--	45	255	2,850	.3	--	--	5,000	1,510	8,780	7.1	65	--	--	
801	Qtal 6	702-728	Dec. 5, 1957	--	.08	38	11	--	--	--	11	18	1.6	--	--	268	140	--	8.8	--	--	--	
		800-826	Dec. 6, 1957	--	.06	38	10	--	--	--	12	23	1.5	--	--	302	136	--	8.5	--	--	--	
		943-969	Dec. 7, 1957	--	.02	26	5	--	--	--	14	19	1.4	--	--	331	88	--	8.5	--	--	--	
		1,092-1,118	Dec. 8, 1957	--	.06	33	7	--	--	--	10	22	.5	--	--	340	110	--	8.5	--	--	--	
		1,317-1,343	Dec. 9, 1957	--	.02	234	19	--	--	--	1	1,045	.1	--	--	1,963	662	--	8.2	--	--	--	
		1,126	Apr. 8, 1958	--	.02	34	10	--	--	--	53	21	2.0	--	--	320	126	--	8.1	--	--	--	
		1,126	Feb. 4, 1964	--	.01	47	11	--	--	--	63	35	.09	--	--	283	162	--	7.6	--	--	--	
		1,126	Aug. 10, 1967	--	.014	38	7	--	--	--	57	30	.2	--	--	354	124	--	8.0	--	--	--	
		1,126	Jan. 16, 1969	--	.12	44	17	80	--	--	72	22	2.60	--	--	386	182	--	7.7	--	--	--	
		1,126	Oct. 21, 1969	--	.02	40	6	59	--	--	42	18	1.94	--	--	389	124	--	8.0	56	--	--	
		1,126	July 21, 1970	--	--	36	13	65	--	--	48	35	1.58	--	--	309	142	--	7.4	57	--	--	
		1,126	Aug. 8, 1971	--	.015	36	9	53	--	--	38	18	1.87	--	--	260	128	--	7.7	54	--	--	
		1,126	June 27, 1972	--	.75	.01	34	10	74	--	--	54	34	1.61	--	--	329	124	--	8.4	63	--	--
1,126	Mar. 28, 1973	--	.03	35	10	60	--	--	27	30	.78	--	--	402	128	--	7.7	62	--	--			
802	Qtal 6	500	July 12, 1939	12	--	42	19	64	--	218	65	40	--	--	--	375	185	--	--	--	--	--	
		500	Mar. 24, 1953	--	--	36	17	97	--	229	70	73	--	--	--	435	160	--	7.8	--	--	--	
		500	Aug. 10, 1953	--	--	36	15.8	--	--	190	76	68	--	--	--	441	156	--	8.1	--	--	--	
		500	Sept. 2, 1953	--	Y	.01	35	16	--	230	78	67	1.4	--	--	458	156	--	--	--	--	--	
		500	Feb. 8, 1954	--	--	36	17	--	--	226	68	74	--	--	--	442	160	--	7.9	--	--	--	
		500	July 14, 1954	--	--	37	17	--	--	222	78	73	--	--	--	433	163	--	8.0	--	--	--	
		500	Sept. 23, 1955	--	--	40	17	99	--	227	72	80	--	--	--	468	168	--	8.2	--	--	--	
		500	Feb. 18, 1958	--	Y	.02	45	16	--	--	84	132	1.5	--	--	541	178	--	7.9	--	--	--	
		830	Aug. 5, 1960	--	Y	.02	29	17	--	--	66	101	1.1	--	--	475	144	--	8.7	--	--	--	
		830	July 23, 1962	--	Y	.02	31	18	--	--	105	125	.4	--	--	511	156	--	8.1	--	--	--	
		830	May 15, 1964	--	--	.02	32	17	--	--	116	130	.5	--	--	504	150	--	8.1	--	--	--	
		830	Oct. 10, 1965	--	--	.02	46	18	--	--	112	135	.3	--	--	473	188	--	8.1	--	--	--	
		830	Aug. 10, 1967	--	--	.009	46	15	--	--	84	125	1.3	--	--	498	177	--	7.8	--	--	--	
		830	Jan. 16, 1969	--	--	.08	46	13	102	--	84	165	1.25	--	--	646	168	--	7.5	--	--	--	
830	July 23, 1969	--	Y	.005	33	9	139	--	--	81	135	1.13	--	--	524	120	--	8.2	62	--	--		

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)		
JL-49-05-802	Qtal 6	830	h July 10, 1970	--	--	48	18	97	--	--	79	105	0.9	--	--	561	192	--	8.2	60	--	--		
		830	h June 28, 1971	--	V	50	16	98	--	--	79	109	1.19	--	--	--	455	192	--	8.2	60	--	--	
		830	h May 16, 1972	--	V	46	17	89	--	--	73	95	.92	--	--	--	530	186	--	8.0	59	--	--	
		830	h Apr. 19, 1973	--	V	44	19	99	--	--	77	104	1.18	--	--	--	556	190	--	7.9	61	--	--	
803	Qtal 6	497	h June 30, 1939	12	--	51	20	67	--	223	87	48	--	--	--	394	211	--	--	--	--	--		
		832	h Sept. 2, 1953	--	V	42	18	--	--	228	72	57	1.3	--	--	--	430	176	--	7.8	--	--	--	
		832	h July 14, 1954	--	V	43	18	--	--	223	72	66	1.3	--	--	--	447	183	--	8.2	--	--	--	
		832	h Sept. 23, 1955	--	V	42	18	83	--	228	70	66	1.3	--	--	--	439	181	--	8.1	--	--	--	
		832	h Apr. 5, 1957	--	V	45	14	--	--	--	82	51	1.2	--	--	--	452	179	--	8.3	--	--	--	
		832	h Feb. 10, 1958	--	V	44	16	--	--	--	80	95	1.2	--	--	--	473	176	--	8.0	--	--	--	
		832	h Feb. 17, 1958	--	V	46	13	--	--	--	74	79	1.4	--	--	--	464	172	--	7.9	--	--	--	
		832	h Aug. 5, 1960	--	V	12	22	--	--	--	65	71	1.1	--	--	--	395	120	--	8.7	--	--	--	
		832	h July 20, 1964	--	V	57	12	--	--	--	89	75	1.0	--	--	--	461	191	--	8.0	--	--	--	
		832	h Apr. 18, 1966	--	V	71	3	--	--	--	87	80	.9	--	--	--	494	190	--	7.9	--	--	--	
		832	h Feb. 23, 1967	--	V	58	11	--	--	--	71	95	1.0	--	--	--	455	190	--	--	--	--	--	
		832	h Jan. 16, 1969	--	V	47	14	102	--	--	90	85	1.1	--	--	--	562	176	--	7.6	--	--	--	
		832	h July 23, 1969	--	V	42	15	80	--	--	60	70	1.16	--	--	--	487	164	--	8.1	58	--	--	
		832	h July 10, 1970	--	V	48	17	80	--	--	77	75	.87	--	--	--	515	190	--	8.1	55	--	--	
		832	h July 10, 1971	--	V	46	16	--	--	--	46	85	1.3	--	--	--	352	181	--	7.7	46	--	--	
		832	h May 16, 1972	--	V	47	15	73	--	--	62	65	.87	--	--	--	485	182	--	8.0	54	--	--	
		832	h Mar. 27, 1973	--	V	53	13	92	--	--	77	84	1.04	--	--	--	486	184	--	7.6	58	--	--	
		804	Qtal 6	503	h June 20, 1939	19	--	53	16	52	--	194	70	41	--	--	--	372	200	--	--	--	--	--
				790	h Nov. 9, 1952	--	V	43	15	--	--	220	54	34	--	--	--	--	338	168	--	7.6	--	--
790	h Aug. 10, 1953			--	V	39	14	--	--	220	50	32	1.4	--	--	--	345	156	--	7.1	--	--	--	
790	h Sept. 2, 1953			--	V	38	14	--	--	230	54	30	1.3	--	--	--	354	154	--	7.8	--	--	--	
790	h Feb. 8, 1954			--	V	39	15	--	--	223	52	36	1.1	--	--	--	343	160	--	7.8	--	--	--	
790	h July 14, 1954			--	V	43	14	--	--	217	48	36	1.1	--	--	--	319	162	--	8.0	--	--	--	
790	h Sept. 23, 1955			--	V	41	15	65	--	222	58	36	1.3	--	--	--	360	164	--	8.1	--	--	--	
790	h Feb. 11, 1958			--	V	42	13	--	--	--	60	46	1.5	--	--	--	365	160	--	8.3	--	--	--	
790	h Oct. 20, 1958			--	V	46	17	--	--	--	48	44	1.4	--	--	--	374	184	--	7.7	--	--	--	
790	h Nov. 11, 1959			--	V	43	18	--	--	--	42	65	--	--	--	--	364	180	--	--	--	--	--	
790	h Aug. 5, 1960			--	V	28	14	--	--	--	49	48	1.1	--	--	--	349	128	--	8.4	--	--	--	
790	h Apr. 9, 1962			--	V	48	16	--	--	--	57	70	1.0	--	--	--	396	182	--	7.6	--	--	--	
790	h Aug. 26, 1963			--	V	54	50	--	--	--	63	65	.8	--	--	--	407	183	--	--	--	--	--	
790	h May 15, 1964			--	V	50	14	--	--	--	63	80	.9	--	--	--	371	183	--	8.9	--	--	--	
790	h July 23, 1969			--	V	46	15	63	--	--	54	60	1.32	--	--	--	448	176	--	8.3	51	--	--	
790	h Aug. 6, 1970			--	V	53	14	54	--	--	60	55	1.05	--	--	--	441	190	--	7.7	44	--	--	
790	h Aug. 10, 1971			--	V	56	12	57	--	--	60	61	1.45	--	--	--	345	189	--	7.6	46	--	--	
790	h May 16, 1972			--	V	49	16	57	--	--	58	60	1.4	--	--	--	449	188	--	8.1	47	--	--	
790	h Mar. 28, 1973			--	V	62	11	61	--	--	68	69	.62	--	--	--	484	198	--	7.6	46	--	--	
901	Qtal 6	727	h Jan. 17, 1956	--	V	34	8	125	--	170	93	95	--	--	--	452	119	--	8.2	--	--	--		
		727	h June 4, 1958	--	V	31	10	--	--	--	78	92	.9	--	--	--	488	122	--	8.2	--	--	--	
		727	h Aug. 15, 1960	--	V	31	22	--	--	--	57	91	.9	--	--	--	475	120	--	8.6	--	--	--	
		727	h Mar. 27, 1962	--	V	33	10	--	--	--	75	110	.8	--	--	--	504	124	--	8.0	--	--	--	
		727	h Aug. 26, 1963	--	V	31	10	--	--	--	84	100	.8	--	--	--	474	118	--	8.9	--	--	--	
		727	h July 20, 1964	--	V	29	9	--	--	--	76	90	.8	--	--	--	463	110	--	8.8	--	--	--	
		727	h Aug. 10, 1967	--	V	35	6	--	--	--	91	105	1.1	--	--	--	471	114	--	8.0	--	--	--	
		727	h July 24, 1969	--	V	30	7	116	--	--	82	85	.85	--	--	--	503	106	--	8.4	76	--	--	
		727	h July 10, 1970	--	V	34	9	111	--	--	86	90	.45	--	--	--	507	122	--	8.2	72	--	--	
		727	h June 28, 1971	--	V	35	7	112	--	--	82	91	.76	--	--	--	417	117	--	8.2	73	--	--	
		727	h Apr. 10, 1972	--	V	32	9	101	--	--	72	80	.34	--	--	--	453	116	--	8.1	71	--	--	
		727	h Apr. 19, 1973	--	V	30	12	115	--	--	92	94	.88	--	--	--	531	124	--	8.0	70	--	--	
		902	Qtal 6	820	h Nov. 9, 1955	--	V	28	13	141	--	162	104	128	--	--	--	518	124	--	8.2	--	--	--
820	h Nov. 23, 1955			--	V	38	14	155	--	172	93	180	--	--	--	--	600	154	--	8.1	--	--	--	
820	h Apr. 28, 1958			--	V	38	10	--	--	--	86	188	1.4	--	--	--	605	136	--	8.1	--	--	--	
820	h Mar. 21, 1962			--	V	37	11	--	--	--	118	165	1.3	--	--	--	499	138	--	7.7	--	--	--	
820	h Mar. 8, 1963			--	V	36	13	--	--	--	110	175	.9	--	--	--	503	144	--	7.8	--	--	--	
820	h Aug. 10, 1967			--	V	41	6	--	--	--	118	150	.7	--	--	--	556	126	--	8.0	--	--	--	
820	h Jan. 16, 1969			--	V	36	9	272	--	--	79	165	1.33	--	--	--	607	128	--	7.6	--	--	--	
820	h July 10, 1970			--	V	40	11	129	--	--	86	135	.87	--	--	--	578	134	--	8.3	72	--	--	
820	h July 10, 1971	--	V	35	9	130	--	--	83	125	1.23	--	--	--	469	126	--	7.9	74	--	--			

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)	
JL-49-05-902	Qtal 6	820	May 16, 1972	--	0.01	34	9	126	--	--	81	115	1.0	--	--	549	124	--	8.0	75	--	--	
		820	Apr. 17, 1973	--	.01	35	9.7	137	--	--	84	133	.7	--	--	534	128	--	8.0	75	--	--	
903	Qtal 6	670-695	Mar. 20, 1963	--	.013	33	8	--	--	--	160	85	.4	--	--	444	116	--	8.0	--	--	--	
		760-785	do	--	.012	28	7	--	--	--	120	70	.3	--	--	403	98	--	8.3	--	--	--	
		863-888	do	--	.016	26	7	--	--	--	110	80	.6	--	--	385	96	--	8.0	--	--	--	
		1,001-1,025	Mar. 25, 1963	--	.015	20	8	--	--	--	100	80	.4	--	--	370	82	--	8.0	--	--	--	
		1,121-1,140	Mar. 26, 1963	--	.017	28	9	--	--	--	180	170	.2	--	--	462	106	--	8.3	--	--	--	
		1,050	July 20, 1964	--	.013	25	6	--	--	--	106	85	.5	--	--	362	87	--	8.0	--	--	--	
		1,050	Sept. 8, 1967	--	.02	24	6	--	--	--	111	70	.4	--	--	380	85	--	8.2	--	--	--	
		1,050	Jan. 22, 1969	--	.02	23	7	85	--	--	53	65	.8	--	--	386	87	--	8.2	--	--	--	
		1,050	Aug. 1, 1969	--	.02	22	7	82	--	--	48	60	.67	--	--	375	84	--	8.5	74	--	--	
		1,050	July 10, 1970	--	--	26	7	82	--	--	58	60	.4	--	--	388	92	--	8.3	71	--	--	
		1,050	July 10, 1971	--	.01	26	5	81	--	--	51	60	.78	--	--	299	87	--	8.1	72	--	--	
		1,050	May 16, 1972	--	.01	24	2	79	--	--	48	45	.68	--	--	355	67	--	8.1	75	--	--	
		905	Qtal 6	335	July 23, 1936	--	--	36	13	140	--	200	130	102	--	5.2	--	525	143	--	--	--	--
906	Qtal 6	1,095-1,120	Feb. 10, 1966	29	--	39	9.4	147	--	100	46	228	.4	2.5	--	550	136	1,020	7.1	70	5.5	0	
		520-545	Feb. 16, 1966	--	.04	18	6	--	--	--	85	45	.08	--	--	177	70	--	8.0	--	--	--	
		687-712	do	--	.04	14	9	--	--	--	128	60	.08	--	--	399	96	--	8.1	--	--	--	
		881-906	do	--	.03	24	7	--	--	--	61	90	.09	--	--	383	82	--	8.2	--	--	--	
		1,004-1,029	do	--	.05	28	9	--	--	--	62	145	.09	--	--	421	108	--	8.2	--	--	--	
		1,095-1,120	do	--	.04	42	11	--	--	--	73	270	.09	--	--	589	160	--	8.1	--	--	--	
908	Qtal 6	330-950	Mar. 16, 1966	30	.02	21	4.9	68	6.0	130	35	55	.9	4.8	0.10	290	73	488	6.9	65	3.5	.68	
		687-712	Apr. 18, 1966	--	.009	24	7	--	--	--	45	70	.6	--	--	311	88	--	8.4	--	--	--	
		1,198	do	--	.01	20	6	--	--	--	38	60	.4	--	--	262	75	--	8.3	--	--	--	
		304-324	Dec. 11, 1940	38	--	20	7.5	91	--	--	145	64	61	--	--	368	80	--	--	--	--	--	
06-102	Qtal 6	354-387	Dec. 12, 1940	30	--	20	7.3	87	--	--	138	63	58	--	--	350	81	--	--	--	--	--	
		469-495	Dec. 13, 1940	30	--	18	7.5	69	--	--	128	46	52	--	--	290	75	--	--	--	--	--	
		523-565	Dec. 17, 1940	26	--	22	6.2	68	--	--	128	47	52	--	--	294	79	--	--	--	--	--	
		585-605	Dec. 18, 1940	22	--	18	8.2	72	--	--	137	45	54	--	--	299	88	--	--	--	--	--	
		622-695	Dec. 19, 1940	25	--	25	12	93	--	--	156	69	71	--	--	404	109	--	--	--	--	--	
		706-746	Dec. 20, 1940	28	--	30	8.5	93	--	--	145	79	67	--	--	387	109	--	--	--	--	--	
		787-820	Dec. 21, 1940	25	--	27	8.6	84	--	--	155	65	58	--	--	366	103	--	--	--	--	--	--
		457-500	May 18, 1953	16	0	108	20	207	12	91	36	492	.3	5.9	.16	943	352	1,850	7.2	55	--	--	
		542-586	do	18	0	222	51	638	18	64	25	1,510	.0	3.0	.09	2,520	764	4,850	7.3	64	--	--	
		679-725	May 19, 1953	19	.09	218	65	1,690	--	94	233	2,950	.7	--	--	5,220	812	9,260	7.0	82	--	--	
752-798	do	26	.26	242	59	2,040	--	163	617	3,700	.6	--	--	6,260	846	10,500	7.0	84	--	--			
520	June 10, 1953	33	.04	133	27	330	11	60	11	795	.0	5.4	.09	1,380	443	2,700	7.5	61	--	--			
105	Qtal 6	450	Apr. 7, 1965	--	.02	80	8	--	--	--	325	560	--	--	1,227	232	--	8.3	--	--	--		
201	Qtal 6	506-525	Mar. 4, 1953	2.2	.01	149	37	212	15	72	70	612	.5	4.0	.36	1,160	524	2,180	7.5	46	--	--	
		707-732	Mar. 6, 1953	2.0	0	344	78	609	--	37	72	1,700	--	.5	--	2,820	1,180	5,160	7.2	53	--	--	
402	Qtal 6	577-602	Aug. 1963	--	.003	38	3	--	--	--	337	200	.08	--	--	504	108	--	7.7	--	--	--	
		682-707	do	--	.003	46	6.5	--	--	--	401	320	.07	--	--	600	142	--	7.4	--	--	--	
		607	Sept. 1963	--	.003	35.2	6.3	--	--	--	77	296	195	.064	--	--	463	114	--	7.1	--	--	--
		577-602	Oct. 9, 1963	--	--	--	16	--	--	--	104	--	191	--	--	--	102	868	--	7.4	--	--	--
		682-707	Oct. 10, 1963	--	--	--	21	--	--	--	92	--	302	--	--	--	134	1,210	--	7.2	--	--	--
		350-670	Oct. 30, 1963	30	.05	34	5.3	109	5.3	106	25	168	.8	4.9	.08	434	107	791	7.9	68	4.6	0	
		670	Apr. 23, 1965	--	.03	33	6	--	--	--	84	288	210	.08	--	--	474	106	--	7.2	--	--	--
		670	Sept. 8, 1967	--	.03	47	7	--	--	--	90	261	230	.07	--	--	559	146	--	8.0	--	--	--
		670	Jan. 22, 1969	--	.02	110	18	163	--	--	75	171	320	.5	--	--	874	350	--	8.0	--	--	--
		670	July 3, 1969	--	--	40	15	--	--	--	182	46	32	--	--	--	162	482	--	7.4	--	--	--
		670	Aug. 1, 1969	--	.03	60	8	135	--	--	77	58	240	.52	--	--	595	184	--	8.2	67	--	--
		670	July 28, 1970	--	.04	68	11	160	--	--	--	81	285	.23	--	--	651	214	--	8.0	70	--	--
		670	Aug. 19, 1971	--	.01	64	10	139	--	--	--	71	247	.72	--	--	581	202	--	7.8	65	--	--
		670	May 16, 1972	--	.01	60	9	147	--	--	--	72	245	.72	--	--	643	189	--	7.9	68	--	--
		370	Feb. 26, 1974	--	--	170	33	370	--	--	--	252	310	580	--	8.4	--	1,620	570	2,760	7.3	--	0
		440	do	--	--	140	25	280	--	--	--	212	230	460	--	5.9	--	1,260	460	2,220	7.6	--	0
520	do	--	--	110	19	230	--	--	--	172	160	380	--	4.2	--	1,010	350	1,830	7.6	--	0		
560	do	--	--	110	19	240	--	--	--	176	160	380	--	5.1	--	1,030	350	1,850	7.7	--	0		

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)
JL-49-06-404	Qtal 6	683	Sept. 24, 1975	--	<0.01	56	10	133	--	--	48	245	0.35	--	--	582	180	--	7.8	67	--	--
501	Qtal 6	461-507	Sept. 8, 1953	25	.01	36	8.3	124	7.8	133	67	158	.6	4.5	0.25	498	124	885	7.9	67	--	--
		648-694	Sept. 9, 1953	26	0	162	51	508	--	57	48	1,150	.2	0	--	1,970	614	3,760	7.2	64	--	--
		927-973	Sept. 10, 1953	25	0	148	47	1,170	--	96	137	2,040	.6	--	--	3,610	563	6,560	7.1	82	--	--
		450	Sept. 14, 1953	32	.06	27	7.4	91	6.4	151	53	89	.5	5.0	.16	386	98	651	7.6	65	--	--
502	--	--	Apr. 3, 1936	--	--	35	8.8	116	--	146	54	139	--	5.0	--	430	124	--	--	--	--	
601	Qtal 6	479-515	June 1, 1953	4.3	.03	81	26	256	12	77	316	355	.3	3.0	.25	1,090	309	1,900	6.9	63	--	--
		772-808	June 3, 1953	14	.01	122	26	357	8.3	64	569	405	.3	0	.32	1,530	412	2,460	7.1	65	--	--
		892-952	June 5, 1953	12	.02	370	62	1,940	--	54	1,110	2,980	.3	--	--	6,500	1,180	10,500	7.3	78	--	--
		980-1,020	June 6, 1953	6.8	.02	684	111	3,540	--	53	1,990	5,490	.3	--	--	11,800	2,160	18,200	7.1	78	--	--
		511-557	July 27, 1953	12	.02	58	12	422	7.2	106	212	560	.7	1.0	.49	1,340	194	2,480	7.4	82	--	--
		603-649	July 29, 1953	19	.03	46	7.1	370	6.4	110	154	488	1.0	1.0	.43	1,150	144	2,150	7.4	84	--	--
		895-946	July 30, 1953	3.9	.03	535	40	1,980	--	47	912	3,420	.4	--	--	6,910	500	11,500	7.3	74	--	--
		502	Aug. 5, 1953	24	.03	118	37	231	12	124	360	355	.5	0	.25	1,180	446	1,950	7.5	52	--	--
		701	Qtal 6	819	Apr. 11, 1966	31	--	24	9	91	--	142	39	92	.9	5.3	--	362	97	627	7.3	--
702	Qtal 6	450	Feb. 6, 1952	27	--	31	8.7	132	--	122	34	187	--	5.0	--	510	114	889	7.9	72	--	--
		450	Mar. 28, 1952	--	--	--	--	--	--	125	--	178	--	--	--	--	108	872	7.6	--	--	--
		450	Aug. 26, 1952	--	--	--	--	--	--	129	--	177	--	--	--	--	114	876	7.7	--	--	--
		450	Jan. 12, 1953	--	--	--	--	--	--	132	--	177	--	--	--	--	116	876	7.9	--	--	--
		450	June 5, 1953	--	--	--	--	--	--	133	--	180	--	--	--	--	124	877	8.0	--	--	--
		450	Feb. 25, 1954	--	--	--	--	--	--	133	--	177	--	--	--	--	111	851	8.2	--	--	--
		450	July 18, 1963	--	--	--	--	--	--	132	--	166	--	--	--	--	120	805	7.0	--	--	--
		450	June 24, 1965	--	--	--	--	--	--	--	37	158	--	--	--	--	--	818	--	--	--	--
450	July 11, 1967	--	--	--	--	--	--	--	140	44	38	--	--	--	--	112	762	7.8	--	--	0.05	
703	Qtal 6	550	Feb. 13, 1952	27	--	62	16	248	--	90	23	465	--	4.5	--	984	220	1,690	7.8	71	--	--
		550	Mar. 28, 1952	--	--	--	--	--	--	90	--	460	--	--	--	--	212	1,680	7.6	--	--	--
		550	Aug. 26, 1952	--	--	--	--	--	--	93	--	484	--	--	--	--	227	1,760	7.5	--	--	--
		550	Jan. 12, 1953	--	--	--	--	--	--	94	--	462	--	--	--	--	220	1,700	7.5	--	--	--
		550	June 5, 1953	--	--	--	--	--	--	94	--	472	--	--	--	--	234	1,720	8.0	--	--	--
		550	Feb. 25, 1954	--	--	--	--	--	--	98	--	470	--	--	--	--	224	1,700	8.0	--	--	--
704	Qtal 6	340	Sept. 27, 1940	22	--	29	8.5	105	--	123	35	156	--	--	--	492	108	--	--	--	--	
		388	Sept. 28, 1940	21	--	32	9.4	114	--	126	38	159	--	--	--	489	120	--	--	--	--	
		432	Oct. 1, 1940	22	--	44	14	155	--	98	42	268	--	--	--	655	166	--	--	--	--	
		537	Oct. 2, 1940	24	--	62	16	271	--	96	41	490	--	--	--	1,030	220	--	--	--	--	
		670	Oct. 4, 1940	23	--	101	30	344	--	75	35	728	--	--	--	1,435	378	--	--	--	--	
		738	Oct. 5, 1940	21	--	84	27	329	--	79	38	626	--	--	--	1,350	322	--	--	--	--	
		781-811	Oct. 8, 1940	25	--	112	34	346	--	88	46	746	--	--	--	1,530	42	--	--	--	--	
705	Qtal 6	303-346	Oct. 30, 1940	32	--	32	11	130	--	99	38	191	--	--	--	486	125	--	--	--	--	
		354-437	Oct. 31, 1940	26	--	52	15	123	--	94	28	250	--	--	--	592	190	--	--	--	--	
		447-500	Nov. 1, 1940	28	--	45	13	113	--	105	45	198	--	--	--	529	166	--	--	--	--	
		515-550	Nov. 4, 1940	29	--	61	15	146	--	94	39	293	--	--	--	677	214	--	--	--	--	
		573-630	Nov. 5, 1940	30	--	45	16	153	--	106	47	264	--	--	--	650	176	--	--	--	--	
		651-697	Nov. 7, 1940	28	--	38	12	150	--	121	52	224	--	--	--	573	142	--	--	--	--	
		714-746	Nov. 8, 1940	32	--	45	15	162	--	109	53	271	--	--	--	657	174	--	--	--	--	
		835-855	Nov. 13, 1940	27	--	68	21	240	--	96	53	455	--	--	--	983	255	--	--	--	--	
		12-102	Qal Rg	123	Mar. 30, 1951	46	--	70	34	435	--	520	457	268	.4	2.0	.71	1,570	314	2,360	8.0	75
123	June 6, 1953			--	--	--	--	--	--	139	180	140	--	--	--	--	95	1,060	8.2	--	--	--
103	Qal Rg	130	Mar. 26, 1952	51	--	41	37	1,120	--	458	955	940	--	.8	1.3	3,370	254	5,340	8.2	91	--	--
104	Qal Rg	50	May 6, 1968	--	--	274	42	--	--	260	1,130	1,090	--	--	--	--	856	5,410	7.5	--	--	0
105	Qal Rg	50	June 16, 1968	--	--	116	79	--	--	260	1,340	1,300	--	--	--	--	614	6,730	7.9	--	--	0
		50	Dec. 18, 1969	--	--	146	94	--	--	340	1,500	1,440	--	--	--	--	751	7,260	8.0	--	--	0

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)	
JL-49-12-106	Qtal 6	100-120	Nov. 9, 1953	18	0.01	70	34	349	10	126	454	355	1.8	4.5	0.34	1,360	314	2,200	7.3	70	--	--	
		194-238	Nov. 5, 1953	24	0	69	48	1,310	--	182	1,150	1,320	1.8	.5	--	4,010	370	6,200	7.9	88	--	--	
		351-394	Nov. 6, 1953	19	0	152	80	1,790	--	87	2,470	2,120	1.8	--	--	5,680	708	8,650	7.5	85	--	--	
108	Qal Rg	128	Mar. 30, 1951	45	--	94	59	933	--	808	939	610	.6	1.0	1.2	3,080	477	4,510	7.7	81	--	--	
115	Qal Rg	92	Mar. 14, 1952	41	--	65	21	692	--	383	607	580	--	--	.8	2,190	248	3,460	8.3	86	--	--	
116	Qal Rg	125	Mar. 30, 1951	47	--	34	9.6	371	--	260	351	240	--	.5	.6	1,180	124	1,960	8.3	87	--	--	
120	--	--	Feb. 28, 1969	--	--	72	16	--	--	348	318	147	--	--	--	--	246	1,580	7.8	--	--	0.79	
			Oct. 10, 1969	--	--	82	17	--	--	276	268	115	--	--	--	--	--	274	1,280	8.0	--	--	0
122	Qal Rg	65	Aug. 8, 1972	.7	.05	140	33	1,084	--	--	969	1,150	.97	--	--	3,767	486	--	8.0	86	--	--	
123	Qal Rg	120	Jan. 15, 1973	--	.10	17	7.2	516	--	--	490	247	.55	--	--	1,494	72	--	8.0	96	--	--	
130	Qal Rg	75	May 8, 1973	--	--	--	--	--	--	--	--	700	--	--	--	634	4,900	--	--	--	20.2	--	
201	Qal Rg	50	May 2, 1968	--	--	139	92	--	--	498	2,370	2,700	--	--	--	--	726	--	7.8	--	--	--	
202	Qtal 8	105	--	--	--	--	--	--	--	--	411	418	--	--	--	1,310	92	--	9.1	--	--	--	
		130	--	--	--	--	--	--	--	--	418	410	--	--	--	1,530	111	--	8.7	--	--	--	
		160	--	--	--	--	--	--	--	--	908	710	--	--	--	2,730	342	--	8.3	--	--	--	
		203	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2,740	294	--	8.4	--	--	--
204	Qtal 8	382	Jan. 10, 1952	18	.30	69	57	108	--	246	166	187	1.1	.2	--	782	406	1,340	6.6	37	--	--	
		540	July 6, 1956	--	--	--	--	--	--	--	256	--	112	--	--	--	--	305	1,160	8.3	--	--	--
301	Qtal 8	425	June 8, 1949	--	--	--	--	--	--	--	285	53	--	--	--	628	352	--	7.1	--	--	--	
401	Qal Rg	127	June 12, 1942	46	--	72	10	--	--	49	357	350	--	--	--	1,070	221	--	7.8	--	--	--	
402	--	--	do	70	--	138	11	676	--	44	573	870	--	--	--	2,210	--	--	7.6	--	--	--	
404	Qal Rg	92	Dec. 10, 1953	--	.1	39	10	244	--	--	288	92	.5	--	--	948	139	--	7.9	--	--	--	
406	Qal Rg	127	Dec. 24, 1945	--	--	--	--	--	--	35	--	580	--	--	--	2,085	280	--	--	--	--	--	
407	Qal Rg	110	June 12, 1942	47	--	73	9	289	--	51	313	340	--	--	--	956	219	--	7.7	--	--	--	
525	Qtal 8	600	Sept. 22, 1957	40	--	114	42	1,274	--	71	1,750	790	--	--	--	4,080	460	4,200	7.8	--	--	--	
601	Qal Rg	50	Apr. 30, 1968	--	--	940	404	--	--	492	4,240	11,400	--	--	--	--	4,010	35,300	7.2	--	--	--	
602	Qtal 8	1,690	Feb. 4, 1953	18	3	80	--	93	--	323	105	131	5.6	.4	--	652	356	--	--	--	--	--	
		1,690	June 9, 1953	20	--	46	32	119	--	311	99	96	4.8	0	--	570	246	987	7.6	51	--	--	
603	Qtal 8	502	Oct. 10, 1953	22	.02	26	26	142	7.5	318	111	60	2.8	2.6	.44	579	168	942	8.1	63	--	--	
605	Qtal 8	169	June 10, 1952	14	--	24	19	179	--	365	138	57	1.8	.2	--	638	138	1,020	7.9	74	--	--	
606	Qtal 8	140	June 26, 1953	24	--	91	52	390	--	396	439	530	--	16	--	1,560	441	3,500	7.8	66	--	--	
13-202	Qtal 6	814	Oct. 6, 1952	30	--	40	13	50	--	207	42	29	1.2	6.6	--	314	154	514	7.7	42	--	--	
		814	May 10, 1956	--	--	--	--	--	--	--	202	--	34	--	7.5	--	--	150	535	7.5	--	--	--
		814	June 2, 1975	--	--	49	14	--	--	200	56	59	--	--	--	--	--	180	638	7.8	--	--	--
203	Qtal 6	806	Mar. 11, 1942	37	.01	41	14	55	--	204	49	38	1.6	5.0	--	340	160	--	--	--	--	--	
		806	Sept. 17, 1942	--	--	39	13	56	--	204	46	38	--	5.0	--	--	298	151	--	--	--	--	--
		806	Mar. 25, 1943	--	--	42	13	53	--	203	46	39	--	5.8	--	--	299	158	--	--	--	--	--
		806	Feb. 15, 1944	--	--	43	14	51	--	201	47	39	--	8.4	--	--	301	165	--	--	--	--	--
		806	May 8, 1944	--	--	40	13	59	--	206	47	42	--	5.5	--	--	308	154	--	--	--	--	--
		806	May 22, 1945	--	--	43	14	55	--	183	55	42	--	5.1	--	--	360	165	--	--	--	--	--

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)			
JL-49-13-203	Qtal 6	806	Mar. 25, 1946	--	--	42	14	54	--	198	36	47	--	3.8	--	386	162	--	--	--	--	--			
		806	Apr. 28, 1947	--	--	--	--	--	--	204	--	48	--	--	--	--	--	578	--	--	--	--	--		
		806	June 7, 1948	39	--	45	15	63	--	210	52	52	--	5.4	--	377	166	604	--	45	--	--	--		
		806	Apr. 21, 1949	37	--	43	14	60	--	198	55	50	--	6.0	--	372	160	595	7.9	44	--	--	--		
		806	Feb. 9, 1950	--	--	--	--	--	--	199	--	--	--	--	--	--	162	589	8.1	--	--	--	--		
		806	Mar. 24, 1951	--	--	--	--	--	--	195	--	53	--	--	--	--	169	595	7.5	--	--	--	--	--	
		806	May 31, 1956	--	--	--	--	--	--	200	--	51	--	--	--	--	167	626	7.6	--	--	--	--	--	
		806	Sept. 20, 1957	--	.02	60	13	--	--	199	72	57	1.3	--	--	--	401	204	--	7.6	--	--	--	--	--
		806	Feb. 11, 1958	--	.07	46	13	--	--	215	65	71	1.5	--	--	--	448	168	--	8.6	--	--	--	--	--
		806	Aug. 7, 1967	--	--	--	--	--	--	182	76	70	--	--	--	--	--	163	677	7.7	--	--	--	--	--
		806	June 2, 1975	--	--	49	14	--	--	200	56	59	--	--	--	--	--	180	638	7.8	--	--	--	--	--
		204	Qtal 6	917	Mar. 11, 1942	32	.01	36	13	40	--	184	36	25	.8	6.8	--	276	143	--	--	--	--	--	--
				917	Sept. 17, 1942	--	--	35	12	41	--	181	37	25	--	5.0	--	--	137	--	--	--	--	--	--
917	Mar. 25, 1943			--	--	38	12	36	--	180	32	26	--	6.0	--	--	144	--	--	--	--	--	--	--	
917	Feb. 15, 1944			--	--	36	12	39	--	163	34	25	--	10.0	--	--	139	--	--	--	--	--	--	--	--
917	May 8, 1944			--	--	34	13	34	--	166	35	24	--	6.0	--	--	138	--	--	--	--	--	--	--	--
917	May 22, 1945			--	--	35	12	38	--	157	35	25	--	7.2	--	--	278	139	--	--	--	--	--	--	--
917	Mar. 25, 1945			--	--	34	13	42	--	152	28	29	--	6.5	--	--	304	138	--	--	--	--	--	--	--
917	Apr. 28, 1947			--	--	--	--	--	--	184	--	28	--	--	--	--	--	--	447	--	--	--	--	--	--
917	June 7, 1948			32	--	34	14	44	--	180	39	32	--	6.7	--	--	290	142	467	--	40	--	--	--	--
917	Apr. 21, 1949			29	--	34	13	43	--	178	37	30	--	7.2	--	--	288	138	458	8.0	41	--	--	--	--
917	Feb. 9, 1950			--	--	--	--	--	--	178	--	29	--	--	--	--	--	139	457	8.1	--	--	--	--	--
917	Mar. 24, 1951			--	--	--	--	--	--	176	--	32	--	--	--	--	--	139	460	7.5	--	--	--	--	--
917	Sept. 20, 1955			--	--	--	--	--	--	181	--	33	--	--	--	--	--	142	479	7.8	--	--	--	--	--
917	Apr. 10, 1956			--	--	--	--	--	--	180	--	36	--	--	--	--	--	143	476	7.8	--	--	--	--	--
917	Feb. 26, 1958			--	.02	36	14	--	--	180	42	36	.9	--	--	--	293	146	--	8.0	--	--	--	--	--
917	Aug. 7, 1967	--	--	--	--	--	--	179	47	31	--	--	--	--	--	166	489	7.7	--	--	--	--	--	--	
205	Qtal 6	330-344	June 3, 1937	16	--	--	--	--	--	--	--	93	--	--	--	481	172	--	--	--	--	--	--		
207	Qtal 6	280	Aug. 10, 1966	21	.14	63	36	50	--	248	83	45	.7	13	0.05	416	306	715	7.4	17	0.7	--	--		
209	Qtal 6	968-1,016	Aug. 30, 1953	3.8	.04	31	14	301	8.4	140	477	138	1.6	1.0	--	1,030	135	1,660	7.4	82	--	--			
		1,068-1,114	Sept. 1, 1953	4.4	.01	27	9.5	253	6.7	183	328	126	2.8	--	.34	848	106	1,380	7.9	83	--	--			
210	Qtal 6	300	May 4, 1937	--	--	36	14	33	--	172	50	14	--	8.3	--	240	147	--	--	--	--	--	--		
214	Qtal 6	214	July 1937	39	--	--	--	--	--	--	--	62	--	--	--	568	242	--	--	--	--	--	--		
		334-352	do	39	--	--	--	--	--	--	--	92	--	--	--	574	341	--	--	--	--	--	--	--	
		486-505	do	33	--	--	--	--	--	--	--	29	--	--	--	315	187	--	--	--	--	--	--	--	
215	Qtal 6	330	Feb. 18, 1977	--	--	43	15	--	--	204	51	.18	--	--	347	170	496	7.9	--	--	--	--	--		
302	Qtal 6	812	May 10, 1951	42	.03	29	11	126	--	194	95	90	1.1	5.2	--	482	118	809	8.1	70	--	--	--		
		812	May 15, 1956	39	--	29	10	124	--	192	92	87	1.1	4.3	--	480	114	788	7.6	70	--	--	--		
		812	Sept. 24, 1958	36	.03	54	19	83	--	201	91	88	1.1	8.7	--	482	212	784	7.7	46	--	--	--		
		812	Jan. 26, 1973	9.7	.16	27	8.2	116	11.9	78	59	1.42	2.0	.10	290	100	676	8.3	--	--	--	--	--		
		812	Jan. 25, 1974	44	.23	24	18.9	103	9.5	--	86	70	1.15	2.8	.03	429	94	610	7.7	--	--	--	--		
		812	Feb. 15, 1975	--	.56	25	8.8	106	8.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
303	Qtal 6	799	July 24, 1956	38	--	18	5.6	83	--	161	48	42	1.0	5.5	--	328	68	511	7.9	73	--	--	--		
		799	June 5, 1957	38	--	20	6.6	92	--	166	58	51	.9	7.1	--	358	76	569	7.5	73	--	--	--		
		799	Jan. 26, 1973	6.8	.06	19	16.4	85	9.7	--	58	39	1.0	1.6	.10	239	80	507	8.4	--	--	--	--		
		799	Jan. 25, 1974	45	.05	16	16.4	72	9.8	--	52	48	.94	3.0	.18	311	70	450	7.5	--	--	--	--		
		799	Feb. 15, 1975	30	.05	17	5.8	70	8.4	--	55	40	.47	1.9	.13	339	84	466	7.5	--	--	--	--		
		799	June 1, 1975	32	.38	36	10.4	149	10.3	--	130	130	1.7	2.0	.09	556	124	1,040	7.8	--	--	--	--		
304	Qtal 6	812	Feb. 16, 1953	38	--	27	9.8	130	--	193	97	89	1.2	4.3	--	492	108	808	7.9	72	--	--	--		
		812	July 20, 1955	43	.01	26	8.4	125	--	192	93	77	1.1	5.5	--	480	100	767	8.2	73	--	--	--		
		812	Sept. 24, 1958	42	.04	24	8.2	121	--	204	85	65	1.1	7.1	--	453	94	713	7.8	74	--	--	--		
		812	Apr. 4, 1960	34	.01	27	8.8	120	--	188	88	79	1.4	5.6	--	462	104	743	7.6	72	--	--	--		

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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 (microhmhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)	
JL-49-13-304	Qtal 6	812	Dec. 29, 1972	10.5	0.06	26	8	125	9.2	--	44	72	1.52	1.6	0.28	345	96	624	8.3	--	--	--	
		812	Jan. 2, 1974	31	.14	23	9.4	107	13.4	--	80	88	1.3	2.3	.25	451	92	640	8.0	--	--	--	
		812	Jan. 15, 1975	32	.05	22	.8	16	2.5	--	97	68	3.2	2.5	.24	442	108	645	7.3	--	--	--	
305	Qtal 6	816	Jan. 4, 1956	36	--	23	7.8	100	--	173	70	60	1.0	4.8	--	388	89	609	7.9	71	--	--	
		816	Sept. 24, 1958	32	.04	22	7.6	97	--	171	68	57	.8	4.8	--	373	86	605	7.8	71	--	--	
		816	Apr. 4, 1960	32	.02	20	7.6	100	--	169	70	57	1.0	5.0	--	376	82	600	7.6	73	--	--	
		816	Jan. 26, 1973	42	.06	21	6.5	89	12.3	--	60	45	1.12	2.0	.10	238	80	546	8.4	--	--	--	
		816	Jan. 25, 1974	42	.05	17	7.7	77	10.1	--	55	46	.94	2.6	.19	312	66	470	7.6	--	--	--	
		816	Feb. 15, 1975	28	.05	17	10.2	77	8.8	--	51	42	.68	1.7	.16	340	74	505	7.4	--	--	--	
306	Qtal 6	242-284	Nov. 18, 1940	27	--	18	7.0	95	--	170	73	39	--	--	--	347	74	--	--	--	--	--	
		311-370	Nov. 20, 1940	30	--	20	7.0	68	--	142	58	29	--	--	--	284	79	--	--	--	--	--	
		416-440	Nov. 22, 1940	34	--	25	8.2	65	--	133	66	33	--	--	--	299	97	--	--	--	--	--	
		472-502	Nov. 23, 1940	22	--	21	7.5	66	--	126	53	42	--	--	--	247	83	--	--	--	--	--	
		557-600	do	28	--	20	7.9	73	--	133	62	39	--	--	--	296	82	--	--	--	--	--	
		637-670	Nov. 27, 1940	26	--	20	7.3	75	--	127	58	48	--	--	--	303	80	--	--	--	--	--	
		693-718	Nov. 29, 1940	24	--	17	7.0	78	--	122	46	59	--	--	--	307	72	--	--	--	--	--	
		749-770	Dec. 2, 1940	26	--	18	6.1	89	--	106	58	74	--	--	--	338	70	--	--	--	--	--	
307	Qtal 6	812	Oct. 2, 1967	26	<.05	27	8	119	--	194	86	78	--	--	549	99	740	7.5	--	--	--		
502	Qtal 6	758	Sept. 11, 1935	--	--	56	21	73	--	193	84	96	--	4.5	--	430	226	--	--	--	--	--	
		758	Apr. 22, 1936	--	--	--	--	--	--	193	--	88	--	--	--	--	264	--	--	--	--	--	
		758	June 25, 1937	36	.13	56	20	71	7.4	--	195	83	94	.9	6.7	--	477	222	--	--	--	--	
		758	June 11, 1940	39	.04	56	21	78	--	204	92	92	--	5.2	--	498	226	--	--	78	--	--	
		758	June 16, 1941	--	--	56	20	81	--	204	91	91	.9	6.8	--	447	222	--	--	81	--	--	
		758	Sept. 19, 1941	--	--	55	21	82	--	208	97	88	--	7.5	--	453	224	--	--	--	--	--	
		758	Apr. 28, 1947	--	--	--	--	--	--	204	--	92	--	--	--	--	793	--	--	--	--	--	
		758	Apr. 21, 1949	36	--	54	21	75	--	196	86	91	--	8.3	--	481	222	786	7.8	42	--	--	
		758	Apr. 5, 1951	36	--	56	21	78	--	202	90	92	--	8.7	--	509	226	797	7.9	43	--	--	
		758	May 10, 1956	--	--	--	--	--	--	--	198	--	89	--	--	--	215	791	7.7	--	--	--	
758	Mar. 18, 1959	--	.02	50	12	--	--	--	224	84	99	.4	--	--	544	174	--	7.2	--	--	--		
503	Qtal 6	916	May 14, 1951	46	.08	41	24	45	--	237	52	28	.5	12	.13	356	201	573	7.7	33	--	--	
		916	Sept. 22, 1951	--	--	--	--	--	--	226	--	26	--	--	--	--	184	548	7.8	--	--	--	
		916	May 23, 1952	42	.02	40	20	47	--	229	48	27	.8	7.8	--	349	182	568	7.6	36	--	--	
		916	Apr. 29, 1953	45	.01	42	22	45	--	232	50	28	.7	--	--	376	196	566	7.8	33	--	--	
		916	May 15, 1956	42	--	44	20	48	--	231	50	32	.7	9.6	--	360	192	577	7.5	35	--	--	
		916	Aug. 11, 1958	42	.01	43	20	55	--	237	51	36	.6	11	--	376	190	593	7.6	39	--	--	
		916	Aug. 9, 1973	16	.06	280	68	67	5.9	--	74	136	.12	3.1	.35	726	436	992	7.3	--	--	--	
		916	Sept. 15, 1974	35	.05	24	35	59	5.7	--	--	147	.6	1.75	.17	729	329	922	7.3	--	--	--	
916	Sept. 19, 1975	39	.10	67	31	68	5.4	--	--	57	.61	5.4	.15	575	278	775	7.8	--	--	--			
504	Qtal 6	785	July 6, 1932	--	--	--	--	--	--	--	--	36	--	--	--	352	248	--	--	--	--	--	
		785	Jan. 5, 1935	--	--	--	--	--	--	--	173	40	38	--	--	--	147	--	--	--	--	--	--
		785	Apr. 23, 1936	--	--	32	13	53	--	--	178	39	41	--	5	--	271	133	--	--	--	--	--
		785	Oct. 28, 1936	--	--	34	13	49	--	--	178	36	39	--	7	--	266	138	--	--	--	--	--
		785	Apr. 17, 1937	32	.03	33	12	51	5.4	--	178	36	40	.8	7.5	--	297	132	--	--	44	--	--
		785	Sept. 29, 1938	31	--	33	14	57	--	--	186	45	43	--	5.3	--	308	140	--	--	--	--	--
		785	Aug. 5, 1949	--	--	--	--	--	--	--	41	48	--	--	--	--	--	539	--	--	--	--	--
		785	Apr. 24, 1951	31	--	34	16	61	--	--	204	41	50	--	5	--	338	151	533	7.5	47	--	--
		785	May 14, 1951	42	.06	42	18	41	--	--	186	48	41	.9	7.5	.02	340	179	542	7.5	33	--	--
		785	May 23, 1952	33	.03	34	13	56	--	--	182	39	46	.9	4.5	--	321	138	537	7.6	47	--	--
		785	Apr. 29, 1953	39	.01	41	16	52	--	--	187	48	50	.9	7.5	--	346	168	564	7.8	40	--	--
		785	July 20, 1955	38	0	36	12	56	--	--	181	41	44	.7	7.3	--	327	140	536	8.1	47	--	--
		785	May 15, 1956	35	0	36	13	52	--	--	182	41	40	.9	6.7	--	314	143	509	7.3	44	--	--
		785	Sept. 28, 1972	12	.06	44	14.6	144	4.4	--	45	30	1.26	4.3	.79	.375	160	510	7.6	--	--	--	--
		785	Sept. 28, 1973	21	.07	43	14.2	46	5	--	46	35	1.3	3.4	.10	.381	171	346	7.9	--	--	--	--
		785	Oct. 20, 1975	41	.10	46	15.2	43	4.9	--	--	62	33	.87	2.9	.22	335	165	535	8.0	--	--	--
505	Qtal 6	784	Sept. 17, 1937	--	--	43	16	53	--	176	49	62	.5	5.5	--	316	173	--	--	--	--	--	
		784	May 14, 1951	30	.12	53	20	73	--	189	72	97	.7	4.5	.02	461	214	762	7.8	43	--	--	
		784	May 23, 1952	32	.03	45	16	63	--	177	58	74	1.0	5.0	--	388	178	658	7.9	44	--	--	

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)		
JL-49-13-505	Qtal 6	784	Apr. 29, 1953	32	0.02	48	17	68	--	179	65	83	0.9	5.4	--	422	190	688	7.8	44	--	--		
		784	May 15, 1956	31	0	42	16	55	--	170	55	60	1.2	5.8	--	350	170	579	7.6	41	--	--		
		784	May 16, 1961	29	0	38	13	52	--	167	48	46	1.1	8.2	--	317	148	532	7.1	43	--	--		
		784	Apr. 11, 1966	29	0	38	14	49	--	177	43	42	1.05	6.3	--	309	151	526	7.2	41	--	--		
		806	Sept. 28, 1972	10.7	.21	40	13.6	93	4.4	--	41	37	1.58	2.8	0.12	322	216	550	7.5	--	--	--		
		806	Sept. 28, 1973	19	.05	37	12.8	59	4.6	--	44	44	1.4	2.9	.10	363	149	420	7.8	--	--	--		
		806	Oct. 1, 1974	30	.20	35	12.3	49	5	--	51	42	1.02	2.31	.20	344	124	464	7.6	--	--	--		
506	Qtal 6	299-339	Feb. 26, 1953	18	.01	22	12	177	9.7	262	178	58	2.0	18	.20	636	104	976	8.0	77	--	--		
		736	Apr. 5, 1953	34	.05	26	10	71	5.8	191	28	56	.5	4.2	.10	330	106	545	8.1	58	--	--		
507	Qtal 6	600	Jan. 6, 1932	--	--	--	--	--	--	--	--	--	--	0	--	656	283	--	--	--	--	--		
508	Qtal 6	652	July 6, 1932	--	--	--	--	--	--	--	--	--	--	0	--	365	279	--	--	--	--	--		
509	Qtal 6	657	do	--	--	--	--	--	--	--	--	26	--	0	--	408	216	--	--	--	--	--		
510	Qtal 6	600	do	--	--	--	--	--	--	--	--	--	--	0	--	785	278	--	--	--	--	--		
511	Qtal 6	753	Oct. 2, 1959	34	.04	53	18	73	--	192	76	84	1.0	7.7	.18	450	206	727	7.3	41	--	--		
512	Qtal 6	715	Jan. 5, 1935	--	--	--	--	--	--	190	60	52	--	--	--	--	196	--	--	--	--	--		
		715	Sept. 16, 1935	--	--	44	16	49	--	184	59	46	--	6.7	--	311	176	--	--	--	--	--		
		715	Apr. 22, 1936	--	--	--	--	--	--	182	--	42	--	--	--	--	--	206	--	--	--	--	--	
		715	Oct. 28, 1936	--	--	44	16	44	--	182	54	42	--	8.8	--	298	176	--	--	--	--	--	--	
		715	Apr. 25, 1937	--	--	45	17	50	--	184	64	47	--	9.4	--	323	182	--	--	--	--	--	--	
		715	Oct. 27, 1937	--	--	43	16	43	--	188	46	41	--	8.3	--	289	173	--	--	--	--	--	--	--
		715	Sept. 23, 1938	36	--	44	16	52	--	192	60	45	--	7.5	--	355	176	--	--	--	--	--	--	--
		715	June 10, 1940	--	--	46	16	52	--	194	59	46	--	9.4	--	324	181	--	--	--	--	--	--	--
		715	Dec. 11, 1940	--	--	46	16	52	--	196	62	45	--	7.0	--	325	181	--	--	--	--	--	--	--
		715	June 16, 1941	--	--	44	16	51	--	190	56	46	.7	7.8	--	315	176	--	--	--	--	--	--	--
		715	Sept. 19, 1941	--	--	43	16	52	--	193	56	44	--	9.0	--	315	174	--	--	--	--	--	--	--
		715	June 3, 1942	--	--	44	16	52	--	194	55	46	--	9.2	--	318	176	--	--	--	--	--	--	--
		715	Sept. 16, 1942	--	--	49	18	53	--	201	68	52	--	4.5	--	344	196	--	--	--	--	--	--	--
		715	Mar. 25, 1943	--	--	51	18	49	--	202	65	49	--	7.0	--	338	202	--	--	--	--	--	--	--
		715	May 22, 1945	--	--	51	19	52	--	200	69	51	--	13.0	--	423	206	--	--	--	--	--	--	--
		715	June 7, 1948	42	--	46	17	58	--	200	60	54	--	9.6	--	402	185	616	--	40	--	--	--	--
		715	Apr. 21, 1949	42	--	45	18	55	--	198	64	48	--	11	--	386	186	608	7.8	39	--	--	--	
715	Feb. 10, 1950	--	--	--	--	--	--	192	--	48	--	--	--	--	--	182	596	8.3	--	--	--	--		
715	Mar. 27, 1951	40	--	48	19	51	--	194	65	52	--	11	--	401	198	608	8.1	36	--	--	--			
715	Apr. 10, 1956	--	--	--	--	--	--	189	52	--	--	--	--	--	--	198	641	7.7	--	--	--	--		
715	Sept. 18, 1958	--	--	.02	57	19	--	--	198	60	56	1.0	--	--	450	220	--	7.5	--	--	--	--		
515	Qtal 6	869	May 6, 1937	--	--	107	47	90	--	228	56	288	--	5.5	--	706	460	--	--	--	--	--		
		869	Sept. 16, 1942	--	--	143	63	105	--	178	55	452	--	5.0	--	911	616	--	--	--	--	--		
		869	Feb. 10, 1950	34	--	332	143	159	--	155	115	1,070	--	7.5	--	1,940	1,420	3,660	7.3	20	--	--		
		869	Mar. 22, 1951	32	--	352	148	170	--	155	125	1,130	--	5.5	--	2,040	1,490	3,820	7.2	20	--	--		
516	Qtal 6	860	Mar. 26, 1943	--	--	144	71	83	--	196	64	425	--	6.3	--	890	651	--	--	--	--	--		
		860	May 23, 1945	--	--	240	124	95	--	152	95	755	--	5.4	--	1,400	1,110	--	--	--	--	--		
		860	Mar. 26, 1946	--	--	260	139	95	--	141	99	840	--	4.0	--	1,520	1,220	--	--	--	--	--		
		860	Apr. 28, 1947	--	--	--	--	--	--	--	174	--	1,020	--	--	--	1,350	3,420	--	--	--	--	--	
518	Qtal 6	864	Jan. 5, 1935	--	--	--	--	--	--	185	48	202	--	--	--	--	218	--	--	--	--	--		
		864	Apr. 23, 1936	--	--	88	39	73	--	184	48	230	--	6.3	--	580	380	--	--	--	--	--		
		864	Oct. 28, 1936	--	--	100	49	72	--	188	48	282	--	7.3	--	651	451	--	--	--	--	--		
		864	Nov. 16, 1939	--	--	108	55	71	--	182	55	312	--	3.2	--	737	496	--	--	--	--	--		
		864	June 11, 1940	--	--	124	64	66	--	200	72	335	--	4.4	--	764	572	--	--	--	--	--		
		864	Nov. 29, 1940	--	--	112	55	86	--	200	58	328	--	5.6	--	743	506	--	--	--	--	--		
		864	June 17, 1941	--	--	136	67	91	--	178	68	420	.3	4.0	--	875	615	--	--	--	--	--		
		864	June 2, 1942	--	--	161	86	100	--	197	76	515	--	7.5	--	1,040	756	--	--	--	--	--		
		864	Sept. 15, 1942	--	--	167	91	103	--	192	77	548	--	5.0	--	1,090	791	--	--	--	--	--		
		864	Feb. 17, 1944	--	--	208	109	90	--	149	85	650	--	12	--	1,240	967	--	--	--	--	--		
		864	May 9, 1944	--	--	196	111	111	--	148	91	685	--	5.5	--	1,270	946	--	--	--	--	--	--	

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells-Continued

Well	Aquifer	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)		
JL-49-13-519	Qtal 6	852	Sept. 18, 1941	--	--	136	57	80	--	150	51	402	--	5.2	--	805	574	--	--	--	--	--		
		852	June 2, 1942	--	--	125	53	96	--	166	50	388	--	5.6	--	799	530	--	--	--	--	--	--	
		852	June 9, 1948	35	--	293	130	148	--	154	102	958	--	4.3	--	1,750	1,270	3,360	--	20	--	--	--	
		852	Apr. 21, 1949	33	--	280	123	154	--	160	103	920	--	5.9	--	1,700	1,200	3,210	7.4	22	--	--	--	
		852	Mar. 22, 1951	32	--	352	148	170	--	155	125	1,130	--	5.5	--	2,040	1,490	3,820	7.2	20	--	--	--	
		852	Sept. 22, 1951	32	--	328	170	244	--	154	135	1,260	--	5.0	--	2,250	1,520	4,210	7.3	26	--	--	--	--
		852	Mar. 25, 1952	32	--	398	179	187	--	150	141	1,320	--	4.0	--	2,340	1,730	4,370	7.3	19	--	--	--	--
		852	May 26, 1952	--	--	393	172	195	--	150	143	1,300	--	8.0	--	2,360	1,690	4,390	7.7	20	--	--	--	--
		852	May 19, 1953	--	--	426	188	224	--	150	159	1,440	--	5.5	--	2,550	1,840	4,770	7.3	21	--	--	--	--
		852	Oct. 28, 1955	--	--	--	--	--	--	--	--	140	--	1,500	--	--	--	1,880	4,850	7.9	--	--	--	--
601	Qtal 6	780	Sept. 11, 1935	--	--	51	21	114	--	195	106	134	--	3.6	--	526	214	--	--	--	--	--		
		780	Apr. 7, 1937	41	0.03	49	21	113	--	195	108	129	1.0	7.5	--	570	209	--	--	53	--	--	--	
		780	Sept. 23, 1938	43	--	49	22	115	--	204	112	126	--	2.8	--	581	213	--	--	--	--	--	--	--
		760	Nov. 16, 1939	--	--	--	--	115	--	194	105	125	--	4.2	--	515	198	--	--	--	--	--	--	--
		760	June 10, 1940	--	--	49	21	115	--	204	106	125	--	5.2	--	522	209	--	--	--	--	--	--	--
		780	Nov. 28, 1940	--	--	50	20	116	--	204	108	122	--	4.5	--	519	207	--	--	--	--	--	--	--
		760	June 1941	--	--	47	20	115	--	199	104	121	1.5	4.3	--	511	200	--	--	--	--	--	--	--
		780	Sept. 19, 1941	--	--	47	20	113	--	204	101	121	--	4.5	--	507	200	--	--	--	--	--	--	--
		780	May 10, 1956	40	--	44	18	116	--	197	99	117	1.6	4.5	--	538	184	897	8.0	58	--	--	--	--
780	Oct. 20, 1958	--	--	.02	51	17	--	214	76	115	1.5	--	--	553	200	--	--	7.8	--	--	--	--		
602	Qtal 6	780	Dec. 30, 1952	34	.03	19	7.2	102	--	168	68	61	.8	2.8	--	378	77	610	7.9	74	--	--		
		780	Nov. 3, 1955	32	.01	17	6.4	88	--	164	58	42	.9	4.5	--	331	69	532	7.7	73	--	--	--	
		780	Nov. 27, 1957	32	.01	21	6.9	100	--	171	66	60	.8	4.0	--	377	81	606	7.8	73	--	--	--	
		780	Nov. 18, 1959	32	.01	20	6.4	81	--	158	56	41	.8	5.3	--	321	76	515	7.2	70	--	--	--	
		780	Oct. 20, 1960	28	.01	17	6.7	83	--	162	55	38	.9	5.6	--	320	70	505	7.6	72	--	--	--	
		780	Nov. 4, 1964	30	.09	17	6.2	79	--	168	52	30	.9	3.5	0.15	301	68	483	7.4	72	4.2	1.4	--	
		780	Dec. 15, 1965	30	.02	17	6.2	82	--	165	54	34	.9	4.5	--	310	68	506	--	72	4.3	--	--	
		780	May 12, 1967	28	.02	18	5.6	81	--	160	56	34	1.2	3.5	--	311	68	495	7.5	72	4.0	1.26	--	
603	Qtal 6	775	Nov. 4, 1964	32	.04	18	6.3	99	--	184	62	46	1.0	3.2	.18	358	71	584	7.0	75	5.1	1.60		
		775	Dec. 16, 1965	32	.01	19	6.4	100	--	176	66	52	1.1	4.5	--	369	74	609	7.0	75	5.1	--		
604	Qtal 6	909	Oct. 24, 1938	26	--	24	9.1	108	--	188	75	51	--	--	--	395	98	--	--	--	--	--		
		909	Nov. 4, 1938	43	.02	23	8.6	111	--	176	75	63	.6	3.8	--	438	93	--	--	68	--	--	--	
		909	Aug. 11, 1939	22	--	21	12	106	--	176	81	65	--	--	--	416	101	--	--	--	--	--	--	
		909	June 3, 1942	--	--	20	7.4	104	--	186	64	58	--	6.0	--	351	80	--	--	--	--	--	--	
		909	Aug. 3, 1949	42	--	18	6.4	108	--	165	69	57	--	5.4	--	399	72	641	8.4	77	--	--	--	
		909	Nov. 23, 1949	--	--	--	--	--	--	180	--	58	--	--	--	--	72	621	8.0	--	--	--	--	
		909	June 23, 1950	--	--	--	--	--	--	181	56	--	--	--	--	--	78	627	8.0	--	--	--	--	
		909	Mar. 27, 1951	45	--	20	7.4	116	--	168	74	83	--	2.5	--	440	80	688	8.2	76	--	--	--	
		909	May 10, 1956	--	--	--	--	--	--	182	--	51	--	--	--	--	72	615	7.9	--	--	--	--	
		909	Oct. 20, 1958	--	--	.02	19	12	--	--	187	54	53	1.1	--	--	383	98	--	8.0	--	--	--	--
605	Qtal 6	288-302	Nov. 23, 1937	40	--	--	--	--	--	--	--	--	--	--	--	498	117	--	--	--	--	--		
		540	Jan. 4, 1938	15	--	--	--	--	--	--	--	--	--	--	--	--	665	178	--	--	--	--	--	
		1,055	Nov. 16, 1939	--	--	32	12	154	--	172	89	162	--	2.5	--	569	129	--	--	--	--	--	--	
		1,055	Apr. 8, 1940	25	--	31	10	173	--	177	109	167	--	--	--	530	119	--	--	--	--	--	--	
		1,055	June 10, 1940	--	--	34	12	155	--	180	91	162	--	--	--	543	134	--	--	--	--	--	--	
		1,055	June 16, 1941	34	--	32	11	154	--	177	85	157	1.1	2.5	--	580	125	--	--	--	--	--	--	
		1,055	June 3, 1942	--	--	25	10	124	--	202	73	90	--	4.5	--	426	104	--	--	--	--	--	--	
		1,055	Sept. 16, 1942	--	--	26	10	130	--	202	92	89	--	3.0	--	450	106	--	--	--	--	--	--	
		1,055	Mar. 25, 1943	--	--	28	10	126	--	202	91	87	--	4.0	--	446	111	--	--	--	--	--	--	
		1,055	Feb. 15, 1944	--	--	27	9.8	129	--	182	93	90	--	3.8	--	450	108	--	--	--	--	--	--	
		1,055	May 28, 1944	--	--	26	10	127	--	202	85	89	--	4.0	--	440	106	--	--	--	--	--	--	
		1,055	May 22, 1945	--	--	28	10	127	--	172	92	89	--	4.1	--	512	111	--	--	--	--	--	--	
		1,055	Mar. 25, 1946	--	--	27	10	138	--	182	92	92	--	3.8	--	530	108	--	--	--	--	--	--	
		1,055	Apr. 26, 1947	--	--	--	--	--	--	146	--	86	--	--	--	--	--	793	--	--	--	--	--	
		1,055	June 7, 1948	39	--	25	12	132	--	208	92	92	--	3.8	--	498	112	809	--	72	--	--	--	
		1,055	Apr. 21, 1949	36	--	24	10	129	--	197	91	86	--	4.4	--	482	101	793	8.0	73	--	--	--	
		1,055	Aug. 2, 1949	--	--	--	--	--	--	--	91	86	--	--	--	--	--	799	--	--	--	--	--	
		1,055	Feb. 10, 1950	--	--	--	--	--	--	--	195	--	87	--	--	--	--	99	779	8.1	--	--	--	
		1,055	Mar. 24, 1951	--	--	--	--	--	--	--	196	--	86	--	--	--	--	97	778	7.8	--	--	--	

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)		
JL-49-13-605	Qtal 6	1,055	g Sept. 22, 1955	--	--	--	--	--	--	200	--	85	--	--	--	96	782	8.2	--	--	--	--		
		1,055	b Dec. 9, 1958	--	0.02	24	11	--	--	--	199	70	86	1.3	--	--	488	118	8.0	--	--	--	--	
606	Qtal 6	231-240	b June 10, 1941	--	--	--	--	--	--	196	--	99	--	--	--	589	225	--	--	--	--	--		
		286-328	b June 11, 1941	--	--	--	--	--	--	167	--	122	--	--	--	553	252	--	--	--	--	--	--	
		342-367	b June 12, 1941	--	--	--	--	--	--	143	--	101	--	--	--	437	238	--	--	--	--	--	--	
		407-426	b do	--	--	--	--	--	--	153	--	80	--	--	--	371	173	--	--	--	--	--	--	--
		457-498	b June 13, 1941	--	--	--	--	--	--	159	--	108	--	--	--	483	191	--	--	--	--	--	--	--
		510-547	b June 14, 1941	--	--	--	--	--	--	164	--	89	--	--	--	412	178	--	--	--	--	--	--	--
		589-603	b June 15, 1941	--	--	--	--	--	--	163	--	73	--	--	--	386	164	--	--	--	--	--	--	--
		655-697	b June 18, 1941	--	--	--	--	--	--	162	--	135	--	--	--	654	210	--	--	--	--	--	--	--
		710-734	b June 20, 1941	--	--	--	--	--	--	153	--	163	--	--	--	676	212	--	--	--	--	--	--	--
		743-775	b June 1941	--	--	--	--	--	--	151	--	151	--	--	--	498	191	--	--	--	--	--	--	--
		778	p May 14, 1951	33	.08	48	22	100	--	194	92	118	.9	4.5	0	528	210	879	7.7	51	--	--	--	
		778	p May 23, 1952	34	0	48	20	100	--	191	91	115	1.2	4.5	--	517	202	882	7.7	52	--	--	--	
		778	p Apr. 29, 1953	36	.01	50	22	102	--	197	100	116	1.1	5.6	--	542	216	884	7.8	51	--	--	--	
		778	p May 16, 1961	33	.12	48	18	96	--	193	90	101	1.3	7.2	--	490	194	825	7.1	52	3.0	--	--	
		778	p May 12, 1967	30	.01	48	17	99	--	190	89	106	1.7	3.5	--	492	190	827	7.2	52	3.1	--	--	
		778	p Aug. 30, 1973	10.4	.05	176	43	97	6	--	94	91	.21	5.4	.1	481	220	848	7.4	--	--	--	--	
		778	p Sept. 15, 1974	30	.01	8	2.7	87	6.1	--	84	87	1.3	.44	--	418	150	750	6.9	--	--	--	--	
778	g Sept. 16, 1975	32	.1	43	16.3	81	5.6	--	72	78	1.32	15.4	.07	452	165	720	7.9	--	--	--	--			
607	Qtal 6	950	b Mar. 25, 1943	--	--	34	12	117	--	205	90	86	--	6.0	--	446	134	--	--	--	--	--		
		950	b May 8, 1944	--	--	28	10	130	--	208	93	86	--	5.5	--	455	111	--	--	--	--	--		
		950	b May 22, 1945	--	--	27	9.8	127	--	177	92	84	--	4.5	--	494	108	--	--	--	--	--		
		950	b Mar. 25, 1946	--	--	26	9.8	137	--	192	92	85	--	4.7	--	538	106	--	--	--	--	--		
		950	b June 7, 1948	40	--	24	9.5	133	--	206	90	87	--	4.9	--	492	99	800	--	75	--	--		
		950	b Apr. 21, 1949	40	--	24	9.8	134	--	199	103	83	--	5.6	--	502	100	783	8.1	74	--	--		
		950	b Mar. 24, 1951	--	--	--	--	--	--	198	--	80	--	--	--	--	96	762	7.6	--	--	--		
		950	b Sept. 4, 1953	--	--	26	8.5	--	--	201	90	74	1.2	--	--	492	100	--	--	--	--	--		
		950	b May 10, 1956	--	--	--	--	--	--	199	80	--	--	--	--	--	93	774	7.7	--	--	--		
		950	b May 15, 1956	36	.02	51	20	99	--	198	101	107	1.2	5.2	--	517	210	863	7.5	51	--	--		
		950	b Oct. 23, 1957	--	.02	30	8	--	--	224	100	80	1.5	--	--	490	110	--	7.9	--	--	--		
		950	b Aug. 12, 1958	34	.01	49	19	104	--	199	98	108	1.2	6.2	--	521	200	862	7.6	53	--	--		
		950	b Sept. 24, 1958	--	--	26	9	--	--	207	72	76	1.5	--	--	493	100	--	--	--	--	--		
		950	b July 17, 1967	--	--	--	--	--	--	200	86	78	--	--	--	--	96	757	7.9	--	--	--	1.39	
950	b July 3, 1969	--	--	25	8.2	--	--	202	89	82	--	--	--	--	96	771	7.6	--	--	--	1.39			
950	b June 2, 1975	--	--	25	7.9	--	--	202	83	83	--	--	--	--	95	792	8.0	--	--	--	--			
608	Qtal 6	920	g Apr. 2, 1959	37	.09	26	8.5	148	--	183	88	119	1.3	3.2	.15	321	100	851	7.9	72	--	--		
609	Qtal 6	983	b June 21, 1956	36	--	24	8.9	144	--	186	94	109	1.1	2.9	--	321	96	861	8.0	76	--	--		
		983	b Oct. 13, 1958	--	.02	28	12	--	--	198	74	105	1.1	--	--	533	122	--	8.0	--	--	--		
		983	b Nov. 11, 1959	--	--	27	10	--	--	185	83	120	--	--	--	508	108	--	7.4	--	--	--		
		983	b July 29, 1966	37	0	31	9	154	--	190	97	129	1.1	5.0	.09	557	116	940	7.5	71	5.8	.80		
		983	b Aug. 14, 1969	36	--	30	9.8	160	--	180	97	140	1.0	3.2	.15	566	116	946	7.4	71	6.0	.64		
610	Qtal 6	766	b May 26, 1952	39	--	18	7.3	115	--	188	77	61	1.2	3.0	--	422	75	680	7.9	77	--	--		
		766	b Sept. 4, 1953	--	--	18	8.2	--	--	189	84	56	1.0	--	--	433	78	--	--	--	--			
		766	b Apr. 10, 1956	--	--	--	--	--	--	193	--	57	--	--	--	--	82	669	8.0	--	--	--		
		766	b Oct. 23, 1957	--	.02	31	19	--	--	208	82	62	1.2	--	--	427	170	--	7.9	--	--			
		766	b Mar. 20, 1958	--	.02	22	8	--	--	198	76	55	1.2	--	--	403	90	--	8.3	--	--			
		766	b July 29, 1966	36	0	24	7.4	104	9.9	--	196	80	57	1.0	5.8	.16	422	91	667	7.2	69	4.7	1.39	
		766	b Aug. 19, 1970	--	--	23	7.8	--	--	200	85	61	--	--	--	--	90	701	7.3	--	--	--		
611	Qtal 6	416	b July 14, 1936	--	--	22	8.1	91	--	178	73	42	--	5.6	--	329	88	--	--	--	--			
613	Qtal 6	289-293	b June 1, 1936	--	--	47	18	165	--	160	63	250	--	.5	--	622	191	--	--	--	--			
		408-441	b do	--	--	42	17	195	--	166	75	273	--	.2	--	684	175	--	--	--	--			
614	Qtal 6	715	b May 26, 1952	--	--	20	8	110	--	204	75	48	1.2	8.3	--	440	83	671	8.5	74	--	--		
615	Qtal 6	800	g Apr. 5, 1967	29	--	19	5.7	109	--	166	66	59	.7	4.2	--	375	71	600	7.7	71	5.1	1.30		
		800	g Nov. 24, 1972	14	.06	18	5.9	89	9.5	--	62	62	32	1.08	1.8	.20	290	68	490	8.4	--	--		

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)		
JL-49-13-615	Qtal 6	800	Dec. 29, 1973	27	0.05	19	8.8	75	16.5	--	58	--	1.0	2.0	0.18	284	79	467	8.0	--	--	--		
			Dec. 15, 1974	31	--	20	7.2	70	8.1	--	54	28	1.76	--	--	.26	318	82	438	7.2	--	--	--	
616	Qtal 6	780	Mar. 4, 1952	29	--	21	7.1	107	--	174	75	68	--	2.5	--	429	82	665	8.1	74	--	--		
			Dec. 30, 1952	33	.02	20	7.5	113	--	174	78	69	1.0	3.0	--	411	81	667	8.0	75	--	--		
			Nov. 3, 1955	32	.04	19	6.5	106	--	166	70	64	.9	4.0	--	384	74	630	7.7	76	--	--		
			Nov. 27, 1957	32	.02	21	6.7	112	--	168	73	74	.8	3.0	--	412	80	663	7.8	75	--	--		
			Nov. 18, 1959	32	.01	20	7.2	106	--	171	72	64	1.0	4.3	--	391	80	633	7.5	74	--	--		
			Oct. 20, 1960	30	.01	18	6.5	83	--	163	55	38	.9	5.2	--	320	72	506	7.4	72	--	--		
			Nov. 24, 1972	13	.06	18	6.4	93	11	--	64	37	1.28	1.94	--	.22	330	80	560	8.4	--	--	--	
			Dec. 28, 1973	29	.07	19	8.9	91	16.6	--	60	--	1.5	2.0	--	.11	322	83	543	8.0	--	--	--	
			Dec. 15, 1974	32	.05	15	7.7	77	2.5	--	58	31	.93	--	--	.29	333	86	423	6.3	--	--	--	
			618	Qtal 6	530	Jan. 7, 1935	--	--	--	--	--	--	214	80	74	--	--	--	117	--	--	--	--	--
Apr. 8, 1935	--	--				--	--	--	--	--	--	80	--	--	--	--	507	274	--	--	--	--	--	
Mar. 13, 1936	--	--				25	9.9	135	--	228	100	68	--	--	--	--	460	103	--	--	--	--	--	
Oct. 28, 1936	--	--				24	9.4	138	--	236	101	66	--	--	--	--	463	99	--	--	--	--	--	
June 3, 1938	26	--				27	3.4	145	--	223	105	74	--	--	--	--	475	81	--	--	--	--	--	
Sept. 28, 1938	62	--				24	11	136	--	224	109	70	--	5.0	--	--	534	105	--	--	--	--	--	
Nov. 16, 1939	--	--				--	--	143	--	230	105	67	--	6.7	--	--	455	87	--	--	--	--	--	--
Apr. 8, 1940	51	--				24	9.0	140	--	219	99	76	--	--	--	--	525	97	--	--	--	--	--	--
June 12, 1940	--	--				26	10	152	--	240	120	78	--	6.8	--	--	511	106	--	--	--	--	--	--
Nov. 28, 1940	--	--				24	8.8	141	--	240	105	64	--	9.0	--	--	470	96	--	--	--	--	--	--
June 16, 1941	57	--				25	9.3	137	--	233	99	68	1.0	6.8	--	--	531	100	--	--	--	--	--	--
Sept. 18, 1941	--	--				23	10	137	--	228	100	71	--	6.0	--	--	459	98	--	--	--	--	--	--
June 3, 1942	--	--				24	9.9	135	--	230	98	70	--	7.5	--	--	458	100	--	--	--	--	--	--
Sept. 16, 1942	--	--				24	8.7	130	--	216	97	69	--	4.5	--	--	440	96	--	--	--	--	--	--
Mar. 25, 1943	--	--				26	9.9	131	--	234	99	64	--	6.3	--	--	452	106	--	--	--	--	--	--
Mar. 27, 1946	--	--				25	9.1	139	--	210	100	73	--	5.5	--	--	530	100	--	--	--	--	--	--
Apr. 21, 1949	56	--				23	9.1	149	--	228	102	71	--	7.2	--	--	536	95	815	8.2	76	--	--	--
Aug. 7, 1949	--	--	--	--	--	--	--	--	--	106	72	--	--	--	--	--	827	--	--	--	--			
621	Qtal 6	288-302	Dec. 1937	40	--	--	--	--	--	--	--	49	--	--	--	117	--	--	--	--	--	--		
622	Qtal 6	946-966	Sept. 14, 1972	28	--	14	4	128	--	128	67	109	.8	< .4	--	415	52	680	8.0	--	--	--		
			do	17	--	33	5	212	--	113	78	273	.7	< .4	--	680	104	1,150	7.9	--	--	--		
			do	11	--	165	23	560	--	67	72	1,120	.6	< .4	--	1,990	510	3,350	7.2	--	--	--		
623	Qtal 6	926-946	Oct. 23, 1972	20	.02	20	4	117	--	136	58	91	.9	2.8	.03	379	66	628	7.8	76	5.8	0.9		
			Nov. 2, 1972	--	--	16	4	118	--	--	54	118	.29	--	--	436	54	--	8.2	83	--	--		
			do	--	--	30	5	188	--	--	46	276	.28	--	--	618	98	--	7.9	84	--	--		
624	Qtal 6	1,010-1,030	do	--	--	142	15	509	--	--	88	981	.17	--	--	2,232	416	--	7.6	75	--	--		
			1,094-1,114	do	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
625	Qtal 6	1,134-1,155	July 13, 1973	--	.01	204	34	614	--	--	261	1,183	.37	--	--	2,350	650	--	7.8	72	--	--		
			do	--	.02	32	6	100	--	--	65	70	.3	--	--	438	70	--	8.1	72	--	--		
701	Qtal 6	1,026	Mar. 1, 1977	32	--	22	7.4	110	--	184	69	64	1.0	--	--	417	85	660	8.1	70	5.2	--		
702	Qal Rg Qtal 6	320	Jan. 28, 1957	30	--	456	136	--	--	270	400	328	--	--	--	1,558	592	--	7.8	--	--	--		
			Oct. 6, 1938	29	6.2	301	56	192	--	255	498	473	--	--	--	1,752	987	--	--	--	--	--		
			Oct. 12, 1938	23	2.6	42	16	66	--	171	76	67	--	--	--	375	171	--	--	--	--	--		
			Oct. 15, 1938	23	1.0	39	12	66	--	166	68	59	--	--	--	318	146	--	--	--	--	--		
			Oct. 19, 1938	37	3.0	17	5	133	--	175	86	85	--	--	--	424	64	--	--	--	--	--		
			Feb. 4, 1939	17	4.3	34	14	74	--	88	62	69	--	--	--	426	143	--	--	--	--	--		
			July 11, 1939	15	1.5	18	6	133	--	172	124	64	--	--	--	377	71	--	--	--	--	--		
			Oct. 28, 1939	20	--	31	9.1	102	--	174	92	63	--	--	--	382	115	--	--	--	--	--		
			Apr. 16, 1940	25	2.4	30	9.1	92	--	172	77	66	--	--	--	364	113	--	--	--	--	--		
			June 10, 1940	--	--	37	11	71	--	178	50	66	--	0	--	--	323	138	--	--	--	--	--	
			Aug. 29, 1940	22	--	35	11	89	--	177	87	64	--	--	--	--	394	133	--	--	--	--	--	
			Dec. 5, 1940	31	.03	35	11	86	--	179	81	63	--	0	--	--	397	133	--	--	--	--	--	
			Mar. 12, 1941	38	2.2	34	10	104	--	181	89	78	--	--	--	--	376	125	--	8.0	--	--	--	
			June 16, 1941	26	--	36	11	89	--	178	81	68	.6	0	--	--	397	135	--	--	--	--	--	
Sept. 18, 1941	45	--	37	9.0	106	--	190	106	86	--	0	--	--	407	129	--	7.8	--	--	--				

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)			
JL-49-13-702	Qtal 6	720	Sept. 18, 1941	--	--	35	12	89	--	183	80	68	--	0	--	374	137	--	--	--	--	--			
		720	Feb. 6, 1942	36	--	43	12	97	--	193	86	86	--	--	--	--	410	166	--	8.2	--	--	--		
		720	June 2, 1942	--	--	36	11	94	--	188	80	72	--	0	--	--	386	135	--	--	--	--	--		
		720	June 2, 1942	51	--	42	14	93	--	187	94	80	--	--	--	--	413	163	--	7.8	--	--	--		
		720	Sept. 15, 1942	--	--	36	11	94	--	182	81	75	--	0	--	--	387	135	--	--	--	--	--		
		720	Sept. 16, 1942	18	2.3	41	13	93	--	--	43	75	--	--	--	--	428	153	--	7.6	--	--	--		
		720	Mar. 24, 1943	--	--	40	12	93	--	186	85	79	--	0	--	--	401	150	--	--	--	--	--		
		720	May 22, 1945	--	--	43	12	94	--	184	87	85	--	0	--	--	457	157	--	--	--	--	--		
		720	Apr. 26, 1947	--	--	--	--	--	--	188	--	94	--	--	--	--	--	148	762	--	--	--	--	--	
		720	May 9, 1947	38	--	51	17	81	--	182	94	90	--	--	--	--	458	196	--	7.9	--	--	--		
		720	Apr. 22, 1949	30	--	67	20	88	--	197	123	107	--	0	--	--	552	249	896	7.8	43	--	--		
		720	Feb. 9, 1950	--	--	--	--	--	--	187	--	93	--	--	--	--	--	169	798	--	8.1	--	--	--	
		720	Apr. 3, 1950	--	--	47	15	--	--	181	112	100	--	--	--	--	485	180	--	8.1	--	--	--		
		720	June 23, 1950	--	--	--	--	--	--	184	--	92	--	--	--	--	--	166	790	--	8.0	--	--	--	
		720	Mar. 14, 1951	--	--	73	16	--	--	195	162	102	--	--	--	--	557	247	--	7.8	--	--	--		
		720	Mar. 24, 1951	--	--	--	--	--	--	184	--	95	--	--	--	--	--	184	789	--	7.5	--	--	--	
		720	Mar. 24, 1952	--	--	--	--	--	--	196	--	102	--	--	--	--	--	241	876	--	7.7	--	--	--	
		720	Mar. 28, 1952	--	--	66	20	--	--	193	165	109	--	--	--	--	562	248	--	7.8	--	--	--		
		720	Feb. 26, 1954	--	--	<.1	48	32	--	195	154	104	0.7	--	--	--	608	252	--	7.9	--	--	--		
		720	June 23, 1954	--	--	--	--	--	--	208	--	96	--	--	--	--	--	242	884	--	7.8	--	--	--	
		720	May 10, 1956	--	--	--	--	--	--	201	--	99	--	--	--	--	--	254	899	--	7.5	--	--	--	
		720	Feb. 6, 1958	--	--	<.02	48	10	--	204	113	86	.7	--	--	--	495	167	--	8.2	--	--	--		
		720	Feb. 18, 1958	--	--	<.02	48	12	--	--	113	88	.9	--	--	--	508	168	--	7.9	--	--	--		
		720	Oct. 13, 1965	--	--	--	--	--	--	212	163	108	--	--	--	--	--	288	968	--	7.1	--	--	--	
		720	Nov. 13, 1969	--	--	<.01	106	16	110	--	163	165	.6	--	--	--	654	330	--	7.5	45	--	--		
		720	Aug. 10, 1972	--	--	.25	.03	28	13	140	--	--	225	112	.9	--	--	588	125	--	8.3	77	--	--	
		703	Qtal 6	624	June 21, 1956	30	--	37	11	86	--	172	85	66	.7	.1	--	402	138	658	8.0	58	--	--	
				703	Sept. 18, 1958	--	.02	42	12	--	--	183	64	68	--	.3	--	410	152	--	8.0	--	--	--	
		704	Qal Rg Qal Rg Qtal 6	90-100	Feb. 25, 1937	35	--	147	21	182	--	290	350	175	--	--	--	1,060	454	--	--	--	--	--	
				109-142	Feb. 27, 1937	27	--	40	7.7	204	--	218	125	189	--	--	--	--	709	132	--	--	--	--	--
				207-223	Mar. 2, 1937	28	--	30	14	185	--	203	116	176	--	--	--	--	656	132	--	--	--	--	--
				290-322	Mar. 6, 1937	20	--	15	4.9	211	--	217	86	176	--	--	--	--	625	58	--	--	--	--	--
397-418	Mar. 10, 1937			15	--	50	8.3	176	--	194	53	233	--	--	--	--	637	159	--	--	--	--	--		
250-689	Apr. 20, 1937			14	--	--	--	--	--	--	--	113.3	--	--	--	--	475	86	--	--	--	--	--		
703	do			26	.12	23	8.6	126	--	172	69	108	--	0	--	--	450	93	--	--	--	--	--		
703	Apr. 22, 1937			23	--	--	--	--	--	--	--	142	--	--	--	--	512	94	--	--	--	--	--		
703	Mar. 11, 1938			26	6.4	27	17	108	--	179	69	106	--	--	--	--	465	137	--	--	--	--	--		
703	June 24, 1938			18	5.8	34	8.0	115	--	176	69	108	--	--	--	--	446	118	--	--	--	--	--		
703	Sept. 24, 1938			25	3.8	24	14	116	--	173	69	110	--	--	--	--	448	118	--	--	--	--	--		
703	do			29	.02	22	7.5	129	--	171	63	112	--	--	.15	--	423	86	--	--	--	--	--		
703	Apr. 3, 1939			34	2.2	42	10	163	--	170	113	174	--	--	--	--	583	147	--	7.5	--	--	--		
703	May 1, 1939			17	--	32	4.6	148	--	168	112	118	--	--	--	--	471	99	--	--	--	--	--		
703	Oct. 18, 1939			15	.05	25	7	133	--	174	72	115	--	--	--	--	462	91	--	--	--	--	--		
703	Nov. 16, 1939			--	--	--	--	138	--	172	66	118	--	--	0	--	425	76	--	--	--	--	--		
703	Apr. 29, 1940			24	1.2	20	7	144	--	155	78	120	--	--	--	--	470	77	--	--	--	--	--		
703	June 10, 1940			--	--	--	--	138	--	176	68	121	--	--	--	--	435	86	--	--	--	--	--		
703	Aug. 29, 1940			31	--	17	6.2	141	--	170	73	113	--	--	--	--	473	68	--	8.1	--	--	--		
703	Mar. 13, 1941			42	3.2	24	5	167	--	171	75	162	--	--	--	--	487	81	--	8.0	--	--	--		
703	June 16, 1941			--	--	24	8.1	135	--	161	68	122	.3	--	.25	--	443	94	--	--	--	--	--		
703	Sept. 18, 1941			--	--	24	9.7	141	--	170	73	136	--	--	0	--	467	100	--	--	--	--	--		
703	do			38	--	28	10	143	--	178	77	140	--	--	.25	--	399	111	--	--	--	--	--		
703	Mar. 13, 1942			35	--	25	9.0	140	--	175	61	140	--	--	--	--	504	100	--	--	--	--	--		
703	June 2, 1942			--	--	22	8.5	134	--	172	69	120	--	0	--	--	438	90	--	--	--	--	--		
703	do			42	--	28	12	153	--	182	95	145	--	--	--	--	475	120	--	--	--	--	--		
703	Sept. 15, 1942			--	--	23	7.7	141	--	193	67	118	--	--	--	--	454	89	--	--	--	--	--		
703	Mar. 23, 1943			--	--	26	8.1	133	--	173	69	123	--	.5	--	--	445	98	--	--	--	--	--		
703	Feb. 11, 1944			--	--	26	8.0	135	--	170	69	128	--	--	.2	--	450	98	--	--	--	--	--		
703	May 22, 1945			--	--	27	8.6	135	--	170	70	131	--	0	--	--	499	103	--	--	--	--	--		
703	Mar. 25, 1946			--	--	25	8.7	152	--	192	71	139	--	0	--	--	519	98	--	--	--	--	--		
703	Apr. 26, 1947			--	--	--	--	--	--	178	--	156	--	--	--	--	74	948	--	--	--	--	--		
703	May 9, 1947	38	--	28	12	132	--	168	70	138	--	--	--	--	490	118	--	8.0	--	--	--				

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)			
JL-49-13-704	Qtal 6	703	July 27, 1949	29	--	20	7.2	147	--	168	69	134	--	0	--	489	80	859	8.2	80	--	--			
		703	Aug. 2, 1949	--	--	--	--	--	--	--	168	70	133	--	--	--	--	--	855	8.2	--	--	--		
		703	Feb. 9, 1950	--	--	--	--	--	--	--	168	--	135	--	--	--	--	95	868	8.1	--	--	--	--	
		703	Apr. 3, 1950	--	--	26	9	--	--	--	167	78	139	--	--	--	497	99	--	8.3	--	--	--	--	
		703	June 22, 1950	--	--	--	--	--	--	--	168	--	137	--	--	--	--	92	858	8.2	--	--	--	--	
		703	Mar. 14, 1951	--	--	23	9	--	--	--	171	101	160	--	--	--	550	95	--	8.2	--	--	--	--	
		703	Mar. 23, 1951	--	--	--	--	--	--	--	167	--	139	--	--	--	--	99	855	7.6	--	--	--	--	
		703	June 13, 1951	34	0	26	10	138	1.6	--	170	70	139	--	0	--	503	106	867	7.9	74	--	--	--	
		703	Mar. 24, 1952	--	--	--	--	--	--	--	163	--	155	--	--	--	--	94	943	7.5	--	--	--	--	--
		703	Mar. 28, 1952	--	--	23	10	--	--	--	161	90	155	--	--	--	528	101	--	8.2	--	--	--	--	--
		703	Oct. 15, 1952	--	--	--	--	--	--	--	167	--	149	--	--	--	--	101	911	7.8	--	--	--	--	--
		703	Oct. 16, 1952	--	--	26	10	--	--	--	163	83	153	--	--	--	536	104	--	8.0	--	--	--	--	--
		703	June 3, 1953	--	--	--	--	--	--	--	165	--	152	--	--	--	--	105	934	8.0	--	--	--	--	--
		703	Aug. 25, 1953	--	0	21	9	--	--	--	109	78	131	--	--	--	498	89	--	8.2	--	--	--	--	--
		703	Feb. 1, 1954	--	V	1	20	10	--	--	166	78	223	0.8	--	--	542	100	--	8.0	--	--	--	--	--
		703	June 23, 1954	--	--	--	--	--	--	--	168	--	140	--	--	--	--	93	869	8.0	--	--	--	--	--
		703	Nov. 16, 1955	--	V	.01	22	13	172	--	165	84	150	.7	--	--	527	108	--	8.0	--	--	--	--	--
		703	May 10, 1956	--	--	--	--	--	--	--	166	--	145	--	--	--	--	95	882	7.7	--	--	--	--	--
		703	June 14, 1957	--	V	.02	26	7	--	--	--	88	144	.7	--	--	532	94	--	8.1	--	--	--	--	--
		703	Sept. 26, 1957	--	V	.16	30	6	--	--	--	94	146	1.3	--	--	508	98	--	7.7	--	--	--	--	--
		703	July 3, 1958	--	V	.02	21	7	--	--	162	60	147	.7	--	--	523	98	--	8.4	--	--	--	--	--
		703	May 7, 1963	--	V	.01	26	7	--	--	--	81	140	.4	--	--	560	94	--	8.7	--	--	--	--	--
		703	June 14, 1964	--	V	.01	25	9	--	--	--	86	150	.4	--	--	503	99	--	8.6	--	--	--	--	--
		703	Sept. 8, 1967	--	V	.1	26	6	--	--	--	84	140	1.1	--	--	533	90	--	8.0	--	--	--	--	--
		703	Dec. 2, 1970	--	V	.03	22	8	177	--	--	102	155	1.2	--	--	554	88	--	7.9	86	--	--	--	--
703	Dec. 14, 1971	--	V	.03	131	12	124	--	--	180	205	.6	--	--	755	376	--	7.9	46	--	--	--	--		
703	Apr. 17, 1973	--	V	.01	25	6	187	--	--	108	163	.3	--	--	614	88	--	8.3	86	--	--	--	--		
705	Qtal 6	798	Oct. 26, 1965	29	.03	34	10	100	47	170	92	84	.7	0	0.09	439	128	729	7.2	62	3.8	0.23			
708	Qal Rg	52	Sept. 28, 1937	28	.45	146	25	211	14	328	348	217	.1	2.9	--	1,170	468	--	--	48	--	--	--		
		52	Sept. 29, 1938	20	--	153	28	200	--	308	355	218	--	4.2	--	--	1,170	497	--	--	--	--	--	--	
		52	June 12, 1940	--	--	154	29	223	--	344	370	225	--	4.0	--	--	1,180	504	--	--	--	--	--	--	
		52	Dec. 3, 1940	--	--	160	30	209	--	336	371	220	--	8.0	--	--	1,160	523	--	--	--	--	--	--	
		52	Mar. 25, 1952	--	--	--	--	--	--	196	--	102	--	--	--	--	241	876	7.7	--	--	--	--	--	
52	Feb. 16, 1953	38	--	27	9.8	130	--	193	97	89	1.2	4.3	--	492	108	808	7.9	72	--	--	--	--	--		
709	Qtal 6	807	June 25, 1937	29	.22	30	10	130	7.0	180	97	111	.9	.1	--	499	116	--	--	68	--	--	--		
		807	May 15, 1939	25	.1	36	7.5	105	--	170	105	63	--	--	--	--	408	120	--	7.8	--	--	--	--	
		807	June 5, 1940	26	--	28	9.8	109	--	171	102	60	--	--	--	--	416	109	--	--	--	--	--	--	
		807	June 10, 1940	30	.02	29	10	128	--	182	97	100	--	0	--	--	488	114	--	--	--	--	--	--	
		807	June 20, 1941	49	--	30	10	141	--	180	95	69	--	--	--	--	426	116	--	8.6	--	--	--	--	
		807	May 8, 1942	47	--	29	11	116	--	195	88	80	--	--	--	--	448	118	--	8.3	--	--	--	--	
		807	June 2, 1942	32	--	35	13	135	--	192	131	100	--	--	--	--	495	141	--	8.0	--	--	--	--	
		807	do	--	--	29	10	130	--	180	99	98	--	0	--	--	460	114	--	--	--	--	--	--	
		807	Sept. 17, 1942	--	--	31	11	134	--	188	103	109	--	0	--	--	481	123	--	--	--	--	--	--	
		807	July 13, 1954	--	V	.1	27	9.4	--	--	163	120	85	1.8	--	--	460	107	--	8.3	--	--	--	--	--
		807	Aug. 30, 1954	--	V	.1	27	11	--	--	214	120	76	.8	--	--	513	112	--	7.8	--	--	--	--	--
		807	Mar. 23, 1956	--	V	.05	34	5	102	--	178	64	62	.7	--	--	396	105	--	8.4	--	--	--	--	--
		807	May 15, 1957	--	V	.02	31	5	--	--	--	66	61	.7	--	--	407	98	--	8.1	--	--	--	--	--
		807	Feb. 18, 1958	--	V	.02	17	8	--	--	--	76	62	1.2	--	--	408	78	--	8.3	--	--	--	--	--
710	Qal Rg	126-151	Dec. 5, 1967	40	--	143	29	497	9.2	180	520	640	--	2.2	--	1,970	476	3,150	7.6	69	9.9	0			
		641-666	Dec. 6, 1967	25	--	65	18	120	7.9	150	106	195	.4	0	--	611	236	1,070	7.4	51	3.4	0			
		730	June 21, 1968	26	1.1	122	27	100	7.9	190	163	216	.4	.7	0.08	759	416	1,320	7.2	34	2.1	0			
711	Qtal 6	376-401	Jan. 17, 1968	26	--	8.2	1.5	109	3.4	174	59	45	1.0	0	--	339	26	546	7.9	88	9.3	2.32			
		376-401	Jan. 18, 1968	--	.09	9	3	--	--	--	95	40	--	--	--	--	384	34	--	8.1	--	--	--		
		528-553	Jan. 19, 1968	--	--	4	3	--	--	--	108	65	--	--	--	--	554	24	--	8.3	--	--	--		
		do	do	31	--	2,260	476	5,220	54	40	989	12,900	--	--	--	--	22,000	7,600	33,100	6.4	60	--	0		
		641	Feb. 16, 1968	26	.01	34	7.6	110	4.2	200	104	64	1.2	0	.11	--	449	116	734	7.9	66	4.4	.95		
641	do	--	--	35	6	--	--	--	108	65	--	--	--	--	458	112	--	7.9	--	--	--	--			
641	Nov. 3, 1969	--	--	62	13	132	--	--	167	95	1.2	--	--	--	697	208	--	7.9	64	--	--	--			
641	Mar. 18, 1970	--	--	.02	34	13	139	--	--	151	105	.8	--	--	573	189	--	8.1	67	--	--	--			

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)		
JL-49-13-711	Qtal 6	641	Dec. 13, 1971	--	0.05	54	13	157	--	--	156	120	1.4	--	--	608	188	--	8.0	69	--	--		
		641	Aug. 10, 1972	--	<.01	58	14	145	--	--	165	112	1.3	--	--	637	204	--	8.2	67	--	--		
712	Qal Rg	52	July 20, 1967	--	--	--	--	--	--	284	452	240	--	--	--	--	628	1,890	7.9	--	--	0		
713	Qal Rg	52	July 21, 1967	--	--	--	--	--	--	228	448	402	--	--	--	--	420	2,390	7.8	--	--	0		
714	Qal Rg	49	July 20, 1967	--	--	--	--	--	--	247	1,260	840	--	--	--	--	1,750	4,560	7.4	--	--	0		
715	Qtal 6	49	July 21, 1967	--	--	--	--	--	--	312	552	2,220	--	--	--	--	600	7,920	7.7	--	--	0		
716	Qtal 6	425	Jan. 5, 1935	--	--	--	--	--	--	177	112	94	--	--	--	--	260	--	--	--	--	--		
		425	Sept. 11, 1935	--	--	84	17	75	--	180	122	119	--	0.3	--	--	506	280	--	--	--	--	--	
		425	Feb. 28, 1936	--	--	85	19	66	--	181	130	106	--	.1	--	--	496	290	--	--	--	--	--	
		425	Apr. 22, 1936	--	--	--	--	--	--	180	--	120	--	--	--	--	--	330	--	--	--	--	--	
		425	Oct. 28, 1936	--	--	95	22	74	--	186	133	140	--	0	--	--	556	328	--	--	--	--	--	
		425	June 25, 1937	28	.78	105	21	91	5.4	191	154	165	.8	.1	--	--	706	349	--	--	36	--	--	--
		425	May 3, 1938	--	.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		425	June 3, 1938	22	--	117	26	89	--	202	173	174	--	--	--	--	704	399	--	--	--	--	--	--
		425	Aug. 15, 1938	25	--	170	25	79	--	200	190	171	--	--	--	--	771	531	--	--	--	--	--	--
		425	do	38	.03	115	23	93	7.2	199	172	176	0	.3	--	--	722	382	--	--	34	--	--	--
		425	Aug. 23, 1939	--	--	133	28	88	--	216	236	153	--	0	--	--	792	447	--	--	--	--	--	--
		425	do	12	.5	126	25.1	111	--	216	260	149	--	--	--	--	820	417	--	7.1	--	--	--	--
		425	Sept. 23, 1939	27	--	120	25.3	129	--	216	260	170	--	--	--	--	828	404	--	--	--	--	--	--
		717	Qtal 6	509	Jan. 7, 1935	--	--	--	--	--	--	173	112	319	--	--	--	--	234	--	--	--	--	--
509	Aug. 23, 1935			--	--	--	--	--	--	164	--	316	--	--	--	--	165	--	--	--	--	--	--	
509	Apr. 22, 1936			--	--	49	16	230	--	170	107	310	--	0	--	--	796	188	--	--	--	--	--	
509	Oct. 28, 1936			--	--	56	17	240	--	170	97	348	--	0	--	--	842	210	--	--	--	--	--	
509	Apr. 19, 1937			31	.06	57	17	247	--	169	105	352	--	.1	--	--	904	212	--	--	--	--	--	
509	Nov. 2, 1937			--	--	56	17	--	--	174	104	331	--	0	--	--	--	210	--	--	--	--	--	--
509	Sept. 28, 1938			31	--	56	17	244	--	176	109	342	--	0	--	--	898	210	--	--	--	--	--	--
509	Nov. 14, 1939			--	--	--	--	222	--	170	110	380	--	0	--	--	904	308	--	--	--	--	--	--
509	June 11, 1940			--	--	68	21	262	--	172	115	400	--	0	--	--	951	256	--	--	--	--	--	--
509	Nov. 29, 1940			--	--	66	21	259	--	178	113	390	--	0	--	--	937	251	--	--	--	--	--	--
509	June 17, 1941			--	--	55	22	268	--	144	113	408	0	0	--	--	937	228	--	--	--	--	--	--
509	Sept. 19, 1941			--	--	64	21	260	--	168	112	395	--	0	--	--	935	246	--	--	--	--	--	--
509	June 2, 1942			--	--	80	24	286	--	170	123	462	--	0	--	--	1,059	298	--	--	--	--	--	--
509	Sept. 15, 1942			--	--	77	24	286	--	165	126	458	--	1.0	--	--	1,053	290	--	--	--	--	--	--
509	Mar. 26, 1943			--	--	82	24	286	--	177	127	460	--	0	--	--	1,066	303	--	--	--	--	--	--
509	Feb. 12, 1944			--	--	94	27	295	--	166	136	502	--	1.5	--	--	1,140	346	--	--	--	--	--	--
509	May 8, 1944			--	--	85	30	289	--	161	136	490	--	0	--	--	1,110	336	--	--	--	--	--	--
509	May 23, 1945			--	--	89	27	270	--	164	134	458	--	.2	--	--	1,060	333	--	--	--	--	--	--
509	Mar. 25, 1946			--	--	97	29	285	--	183	140	485	--	1.0	--	--	1,130	361	--	--	--	--	--	--
509	Apr. 28, 1947	--	--	--	--	--	--	176	--	488	--	--	--	--	--	--	--	--	--	--	--	--		
509	Apr. 22, 1949	34	--	92	32	280	--	170	151	478	--	.2	--	--	1,150	361	--	--	--	--	--	--		
718	Qal Rg	80	Aug. 5, 1966	29	1.3	228	44	238	9.5	362	586	270	.6	.8	--	1,590	752	2,380	7.3	40	3.8	0		
719	Qtal 6	646	Jan. 5, 1935	--	--	--	--	--	--	273	200	98	--	--	--	--	444	--	--	--	--	--		
		646	Sept. 16, 1935	--	--	124	23	99	--	268	227	115	--	.3	--	--	720	404	--	--	--	--	--	
		646	Feb. 25, 1936	--	--	130	26	92	--	272	238	113	--	.3	--	--	733	432	--	--	--	--	--	
722	Qtal 6	394	Aug. 29, 1935	--	--	--	--	--	--	129	--	99	--	--	--	--	222	--	--	--	--	--		
723	Qtal 6	304	Feb. 28, 1936	--	--	123	23	178	--	277	281	190	.1	.9	--	933	402	--	--	--	--	--		
		304	Dec. 11, 1938	28	.10	136	24	196	9.1	311	313	208	0	.1	--	1,070	438	--	--	48	--	--		
725	Qtal 6	220	June 3, 1976	29	--	230	71	790	18	222	420	1,400	.8	--	--	3,070	870	5,430	8.0	66	12	--		
801	Qtal 6	802	Sept. 1, 1933	16	--	25	5.2	161	--	191	66	147	--	--	--	538	84	--	--	--	--	--		
		802	Mar. 30, 1935	14	--	31	7.4	147	--	208	61	138	--	--	--	528	109	--	--	--	--	--		
		802	Aug. 19, 1935	--	--	--	--	--	--	172	--	138	--	--	--	--	72	--	--	--	--	--	--	
		802	Sept. 16, 1935	--	--	21	8.0	156	--	183	76	139	--	0	--	490	85	--	--	--	--	--		

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)			
JL-49-13-801	Qtal 6	802	Mar. 17, 1937	31	--	30	10	184	--	174	78	202	--	0.05	--	611	116	--	--	75	--	--			
		802	June 13, 1938	25	1.8	22	6.0	167	--	187	84	132	--	--	--	--	507	132	--	--	--	--	--		
		802	Sept. 24, 1938	35	--	20	8.1	156	--	186	83	130	--	0	--	--	516	83	--	--	--	--	--		
		802	Aug. 31, 1938	26	2.6	20	7.4	154	--	187	77	129	--	--	--	--	505	80	--	--	--	--	--		
		802	May 1, 1939	23	1.6	30	4.0	167	--	183	117	130	--	--	--	--	531	112	--	7.5	--	--	--		
		802	June 4, 1940	48	--	22	6.8	158	--	169	89	124	--	--	--	--	506	83	--	--	--	--	--		
		802	June 10, 1940	--	--	22	8.0	158	--	188	90	130	--	0	--	--	501	88	--	--	--	--	--		
		802	Aug. 29, 1940	28	--	23	8.2	148	--	183	85	124	--	--	--	--	515	92	--	8.1	--	--	--		
		802	Nov. 28, 1940	--	--	20	7.7	155	--	188	80	129	--	0	--	--	484	82	--	--	--	--	--		
		802	Mar. 19, 1941	36	3.8	26	8.3	138	--	191	82	145	--	--	--	--	545	99	--	7.9	--	--	--		
		802	June 16, 1941	--	--	23	6.9	156	--	176	74	136	0.9	0	--	--	489	86	--	--	--	--	--		
		802	Sept. 18, 1941	40	--	26	9.0	158	--	195	80	142	--	0	--	--	518	102	--	7.5	--	--	--		
		802	Feb. 6, 1942	40	--	25	10	162	--	197	85	145	--	--	--	--	515	104	--	8.3	--	--	--		
		802	June 2, 1942	--	--	20	7.4	152	--	184	66	135	--	0	--	--	471	80	--	--	--	--	--		
		802	do	44	--	25	12	172	--	193	105	156	--	--	--	--	521	112	--	8.2	--	--	--		
		802	Mar. 23, 1943	--	--	25	7.7	153	--	186	76	137	--	.5	--	--	491	94	--	--	--	--	--		
		802	Feb. 11, 1944	--	--	22	7.0	155	--	185	75	136	--	.2	--	--	486	84	--	--	--	--	--		
		802	May 8, 1944	--	--	20	6.7	158	--	188	76	132	--	1.0	--	--	486	78	--	--	--	--	--		
		802	May 22, 1945	--	--	23	7.3	153	--	181	76	136	--	0	--	--	526	88	--	--	--	--	--		
		802	Mar. 25, 1946	--	--	22	7.0	168	--	205	77	142	--	0	--	--	544	84	--	--	--	--	--		
		802	May 9, 1947	41	--	24	12	144	--	180	72	138	--	--	--	--	517	109	--	8.0	--	--	--		
		802	June 23, 1948	34	5	25	--	--	--	184	72	141	--	--	--	--	513	--	--	--	--	--	--	--	
		802	Apr. 22, 1949	32	--	19	7.1	76	--	181	77	139	--	0	--	--	524	76	901	8.1	82	--	--	--	
		802	Aug. 3, 1949	--	--	--	--	--	--	--	77	137	--	--	--	--	--	--	901	--	--	--	--	--	--
		802	Feb. 9, 1950	--	--	--	--	--	--	181	--	133	--	--	--	--	--	74	895	8.1	--	--	--	--	--
		802	Aug. 1950	--	--	--	--	--	--	181	--	132	--	--	--	--	--	74	880	8.3	--	--	--	--	--
		802	Mar. 14, 1951	--	--	20	6.1	--	--	178	80	135	--	--	--	--	502	75	--	8.1	--	--	--	--	--
		802	Mar. 22, 1951	--	--	--	--	--	--	182	--	131	--	--	--	--	--	76	864	7.7	--	--	--	--	--
		802	Mar. 28, 1952	--	--	17	7.9	--	--	174	86	141	--	--	--	--	520	75	--	8.1	--	--	--	--	--
		802	Oct. 16, 1952	--	--	20	7.9	--	--	173	80	138	--	--	--	--	519	82	--	8.1	--	--	--	--	--
		802	do	--	--	--	--	--	--	181	--	130	--	--	--	--	--	74	872	8.1	--	--	--	--	--
		802	June 3, 1953	--	0	--	--	--	--	184	--	134	--	--	--	--	--	74	884	8.2	--	--	--	--	--
		802	Aug. 22, 1953	--	0	18	6.7	--	--	183	76	129	.9	--	--	--	517	72	--	8.2	--	--	--	--	--
		802	Feb. 8, 1954	--	V	15	8.5	--	--	183	84	141	.9	--	--	--	521	73	--	8.3	--	--	--	--	--
		802	June 23, 1954	--	V	--	--	--	--	184	--	135	--	--	--	--	--	70	837	8.0	--	--	--	--	--
		802	July 15, 1954	--	V	16	8	--	--	178	84	133	1.0	--	--	--	563	74	--	8.3	--	--	--	--	--
		802	Sept. 19, 1955	--	V	--	--	--	--	186	--	134	--	--	--	--	--	74	880	8.2	--	--	--	--	--
		802	Nov. 1, 1955	--	V	.01	7	188	--	184	84	135	1.0	--	--	--	542	73	--	8.2	--	--	--	--	--
		802	May 24, 1957	--	V	.02	6	--	--	64	136	6	--	--	--	--	536	76	--	8.2	--	--	--	--	--
		700	Sept. 26, 1957	--	V	.02	54	14	--	--	76	276	.7	--	--	--	787	208	--	7.7	--	--	--	--	--
750	Dec. 6, 1957	--	V	.1	81	19	--	--	88	467	.6	--	--	--	1,119	282	--	8.4	--	--	--	--	--		
725	Dec. 9, 1957	--	V	.08	76	23	--	--	86	466	.6	--	--	--	1,120	284	--	8.4	--	--	--	--	--		
790	do	--	V	.16	72	22	--	--	86	451	.6	--	--	--	1,085	272	--	8.4	--	--	--	--	--		
802	Dec. 11, 1957	--	V	.22	74	22	--	--	85	451	.6	--	--	--	1,093	276	--	8.4	--	--	--	--	--		
802	Feb. 26, 1958	--	V	.02	19	8	--	--	188	77	143	.7	--	--	539	80	--	8.2	--	--	--	--	--		
802	Apr. 7, 1964	--	--	.02	82	13	--	--	--	91	445	.4	--	--	1,051	259	--	7.7	--	--	--	--	--		
802	July 20, 1964	--	--	.02	20	7	--	--	--	80	155	.7	--	--	512	79	--	8.4	--	--	--	--	--		
802	Sept. 8, 1967	--	--	.02	62	16	--	--	--	98	415	.6	--	--	1,031	220	--	8.1	--	--	--	--	--		
802	Nov. 4, 1970	--	--	.13	72	23	301	--	--	115	485	.6	--	--	1,079	276	--	7.7	76	--	--	--	--		
802	Apr. 12, 1973	--	--	.01	72	27	309	--	--	94	515	.4	--	--	1,254	290	--	7.9	76	--	--	--	--		
802	Qtal 6	470	May 24, 1957	20	.1	44.9	14.3	141.9	--	195.2	45.2	192.0	--	--	--	681	171	1,103	7.78	--	--	--	--		
		470	Mar. 28, 1960	28	--	54	20	186	--	166	97	272	--	.2	--	--	599	216	1,310	7.5	65	--	--	--	
		470	Aug. 4, 1961	--	--	--	--	--	--	--	153	275	--	--	--	--	217	1,300	7.6	--	--	--	--	--	
		470	July 16, 1963	--	--	--	--	--	--	--	168	--	270	--	--	--	--	236	1,270	7.2	--	--	--	--	--
		470	July 23, 1965	--	--	--	--	--	--	--	94	270	--	--	--	--	--	1,330	7.7	--	--	--	--	--	--
470	July 31, 1967	--	--	--	--	--	--	--	168	99	268	--	--	--	--	232	1,300	7.8	--	--	--	0	--		
803	Qtal 6	354	Apr. 24, 1951	28	--	47	20	136	--	171	80	193	--	.5	--	601	200	1,040	8.1	60	--	--	--		
804	Qtal 6	882	Jan. 1, 1935	--	--	--	--	--	--	153	60	256	--	--	--	--	204	--	--	--	--	--	--	--	
		882	Sept. 11, 1935	--	--	45	15	170	--	164	54	250	--	1.1	--	616	174	--	--	--	--	--	--	--	
		882	Apr. 22, 1936	--	--	--	--	--	--	--	160	--	249	--	--	--	--	210	--	--	--	--	--	--	--
		882	Oct. 28, 1936	--	--	42	14	166	--	166	53	235	--	--	--	593	162	--	--	--	--	--	--	--	

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)		
JL-49-13-804	Qtal 6	882	May 26, 1937	36	0.1	57	20	76	7.2	198	85	100	--	6.5	--	491	224	--	--	--	--	--		
		882	June 13, 1938	31	4.1	50	17	178	--	165	63	270	--	--	--	--	698	195	--	--	--	--	--	
		882	Nov. 4, 1938	26	5	50	19	181	--	162	59	285	--	--	--	--	717	203	--	--	--	--	--	
		882	do	31	--	51	16	177	--	158	56	274	--	--	--	--	669	193	--	--	--	--	--	
		882	May 15, 1939	24	.3	64	17	167	--	161	80	268	--	--	--	--	730	249	--	7.1	--	--	--	
		882	Dec. 21, 1939	26	.3	51	15	195	--	157	75	260	--	--	--	--	715	190	--	7.9	--	--	--	
		882	Apr. 16, 1940	31	1.2	52	16	173	--	160	57	272	--	--	--	--	733	198	--	--	--	--	--	
		882	June 10, 1940	--	--	52	17	185	--	162	70	280	--	--	1.0	--	685	200	--	--	--	--	--	
		882	Aug. 29, 1940	27	--	49	16	172	--	161	56	264	--	--	1	--	715	190	--	--	--	--	--	
		882	Apr. 16, 1941	36	--	59	30	173	--	166	65	315	--	--	--	--	789	268	--	--	--	--	--	
		882	June 16, 1941	--	--	52	17	178	--	162	56	278	--	0.7	.8	--	662	200	--	--	--	--	--	
		882	May 20, 1942	46	--	64	22	198	--	160	76	350	--	--	--	--	846	251	--	8.2	--	--	--	
		882	June 2, 1942	--	--	52	17	187	--	157	60	295	--	--	.5	--	689	200	--	--	--	--	--	
		882	Sept. 14, 1942	--	--	52	17	182	--	161	58	284	--	--	2.5	--	675	200	--	--	--	--	--	
		882	May 22, 1945	--	--	56	16	217	--	145	63	350	--	--	.5	--	836	206	--	--	--	--	--	
		882	May 14, 1947	36	--	57	22	195	--	155	85	312	--	--	--	--	776	223	--	7.8	--	--	--	
		882	Apr. 22, 1949	31	--	42	19	213	--	136	144	282	--	--	3.2	--	813	183	1,410	8.2	72	--	--	
		882	Aug. 2, 1949	28	--	39	18	184	--	169	57	266	--	--	0	--	684	172	1,240	8.0	70	--	--	
		882	Feb. 9, 1950	--	--	--	--	--	--	--	159	--	--	--	--	--	--	1,240	77	1,240	7.9	--	--	--
		882	Apr. 3, 1950	--	--	49	16.7	--	--	152	60	297	--	--	--	--	698	192	--	8.4	--	--	--	
		882	May 31, 1950	34	--	49	18	173	--	160	58	268	--	.7	1.0	--	688	196	1,250	7.6	66	--	--	
		882	June 23, 1950	--	--	--	--	--	--	--	160	--	--	--	--	--	--	180	1,210	7.9	--	--	--	--
		882	Oct. 4, 1950	--	--	--	--	--	--	--	160	--	--	--	--	--	--	192	1,230	7.9	--	--	--	--
		882	Sept. 18, 1951	--	--	--	--	--	--	--	161	56	278	--	--	--	--	200	1,270	8.2	--	--	--	--
		882	Nov. 30, 1951	--	--	49	16.7	--	--	--	153	57	297	--	--	--	--	715	190	--	8.1	--	--	--
		882	Sept. 30, 1952	32	--	48	17	187	--	159	56	286	--	.6	3	--	736	190	1,280	8.1	68	--	--	
		882	Aug. 27, 1953	--	--	V V	.1	44	16	--	155	73	270	--	.7	--	732	174	--	8.2	--	--	--	--
		882	Feb. 1, 1954	--	--	V V	.1	43	16.9	--	168	70	191	--	.7	--	726	177	--	8.1	--	--	--	--
		882	June 24, 1954	--	--	--	--	--	--	--	159	--	--	--	--	--	--	182	1,260	7.9	--	--	--	--
		882	July 15, 1954	--	--	V V	.1	42	22	--	156	60	276	--	.8	--	745	198	--	8.1	--	--	--	--
		882	Sept. 30, 1957	--	--	V V	.02	54	14	--	--	74	279	--	.7	--	729	206	--	7.7	--	--	--	--
		882	July 3, 1958	--	--	V V	.02	37	19	--	--	36	285	--	.8	--	718	174	--	8.4	--	--	--	--
		882	Sept. 18, 1958	--	--	V V	.02	51	17	--	--	48	290	--	.5	--	724	198	--	8.1	--	--	--	--
		882	Apr. 30, 1959	--	--	V V	.02	46	3	--	--	60	270	--	.6	--	702	124	--	7.7	--	--	--	--
		882	Aug. 12, 1960	--	--	V V	.04	56	9	--	--	16	269	--	.7	--	695	176	--	8.5	--	--	--	--
		882	Aug. 2, 1961	--	--	--	--	--	--	--	160	--	272	--	--	--	--	180	1,220	7.5	--	--	--	--
		882	Aug. 10, 1961	--	--	--	.02	45	15	--	--	63	290	--	.5	--	719	180	--	8.3	--	--	--	--
		882	Apr. 9, 1962	--	--	--	.02	46	11	--	--	66	275	--	.6	--	698	188	--	8.1	--	--	--	--
		882	May 7, 1963	--	--	--	.01	48	17	--	--	71	285	--	.4	--	681	190	--	8.7	--	--	--	--
		882	July 18, 1963	--	--	--	--	--	--	--	--	160	--	255	--	--	--	184	1,150	7.3	--	--	--	--
		882	June 23, 1965	--	--	--	--	--	--	--	--	--	56	265	--	--	--	--	1,180	--	--	--	--	--
		882	Sept. 30, 1965	--	--	--	.04	52	15	--	--	22	295	--	.5	--	727	190	--	8.3	--	--	--	--
882	Aug. 8, 1967	--	--	--	.09	59	13	--	--	74	270	--	.7	--	693	201	--	8.0	--	--	--	--		
882	do	--	--	--	--	--	--	--	--	171	64	250	--	--	--	232	1,180	7.9	--	--	--	0		
882	Sept. 10, 1969	--	--	--	.03	73	15	147	--	--	36	280	--	.5	--	732	244	--	8.3	63	--	--		
882	Sept. 9, 1970	--	--	--	.9	95	25	168	--	--	77	355	--	.2	--	796	338	--	7.4	58	--	--		
882	Oct. 12, 1972	--	--	--	V V	.01	96	25	162	--	81	340	--	.1	--	1,152	340	--	7.9	57	--	--		
882	Apr. 17, 1973	--	--	--	V V	.01	109	17	165	--	75	345	--	--	--	958	340	--	8.0	57	--	--		
805	Qtal 6	862	Aug. 30, 1926	31	--	--	--	--	--	--	--	196	--	--	--	558	133	--	--	--	--	--		
		862	Aug. 30, 1930	14	--	--	--	--	--	--	--	--	220	--	--	--	659	157	--	--	--	--	--	
		862	Sept. 3, 1931	24	--	--	--	--	--	--	--	--	189	--	--	--	648	151	--	--	--	--	--	
		862	Aug. 19, 1932	22	--	--	--	--	--	--	--	--	246	--	--	--	694	162	--	--	--	--	--	
		862	Aug. 30, 1933	--	--	--	--	--	--	--	--	--	284	--	--	--	--	--	--	--	--	--	--	--
		862	Aug. 18, 1934	--	--	--	--	--	--	--	--	--	397	--	--	--	984	--	--	--	--	--	--	--
		862	June 29, 1936	--	--	43	18	120	--	184	72	152	--	--	3.0	--	499	181	--	--	--	--	--	
		862	Aug. 15, 1936	36	--	--	--	--	--	--	--	252	--	--	--	--	699	231	--	--	--	--	--	--
		862	Oct. 28, 1936	--	--	50	17	168	--	162	66	253	--	--	1.2	--	635	195	--	--	--	--	--	--
		862	May 6, 1937	--	--	49	19	128	--	174	66	188	--	--	3.3	--	539	200	--	--	--	--	--	--
		862	June 25, 1937	33	.12	48	16	166	--	166	65	252	--	1.0	1.7	--	672	186	--	--	64	--	--	--
		862	Oct. 29, 1937	0	--	50	18	161	--	162	66	246	--	--	1.4	--	199	--	--	--	64	--	--	--
		862	Mar. 11, 1938	33	.13	80	20	130	--	162	73	252	--	--	--	--	720	282	--	--	--	--	--	--
		862	June 13, 1938	24	.11	51	15	165	--	161	71	242	--	--	--	--	684	189	--	--	--	--	--	--
862	Sept. 23, 1938	32	--	52	18	174	--	162	71	258	--	--	1.2	--	691	194	--	--	--	--	--	--		

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)			
JL-49-13-805	Qtal 6	862	Sept. 23, 1938	31	5	49	18	170	--	159	76	255	--	--	--	680	196	--	--	--	--	--			
		862	May 1, 1939	25	.7	54	12	196	--	159	113	258	--	--	--	--	724	186	--	7.9	--	--	--		
		862	Feb. 29, 1940	28	--	63	24	137	--	170	72	242	--	--	--	--	702	257	--	7.9	--	--	--		
		862	Apr. 16, 1940	27	.35	53	17.5	166	--	160	82	247	--	--	--	--	670	205	--	--	--	--	--		
		862	June 10, 1940	--	--	54	19	168	--	168	72	258	--	1.8	--	--	656	213	--	--	--	--	--		
		862	Aug. 29, 1940	31	--	50	16	160	--	160	79	232	--	--	--	--	705	192	--	7.9	--	--	--		
		862	Mar. 5, 1941	37	2.8	64	23	155	--	181	64	265	--	--	--	--	722	252	--	7.7	--	--	--		
		862	June 16, 1941	--	--	53	17	164	--	163	65	252	--	0.9	1.5	--	634	202	--	--	--	--	--	--	
		862	June 2, 1942	36	--	64	24	182	--	167	96	295	--	--	--	--	749	259	--	8.0	--	--	--		
		862	June 7, 1942	--	--	57	21	172	--	162	70	280	--	--	1.2	--	681	229	--	--	--	--	--	--	
		862	May 22, 1945	--	--	60	20	175	--	158	71	289	--	--	--	--	780	232	--	--	--	--	--	--	
		862	Mar. 25, 1946	--	--	55	19	180	--	169	67	282	--	--	2.5	--	702	216	--	--	--	--	--	--	
		862	June 7, 1948	36	--	42	17	172	--	170	82	228	--	--	1.6	--	689	175	1,180	--	68	--	--	--	
		862	June 8, 1948	29	5	46	16	--	--	161	82	228	--	--	--	--	671	176	--	8.5	--	--	--	--	
		862	Apr. 22, 1949	36	--	56	21	172	--	161	76	274	--	--	2.2	--	743	226	1,270	8.0	62	--	--	--	
		862	Aug. 2, 1949	--	--	--	--	--	--	--	--	66	279	--	--	--	--	--	1,310	--	--	--	--	--	
		862	Feb. 15, 1950	--	--	--	--	--	--	159	--	288	--	--	--	--	--	250	1,320	8.0	--	--	--	--	
		862	Apr. 3, 1950	--	--	63	22	--	--	155	71	297	--	--	--	--	801	250	--	8.3	--	--	--	--	
		862	June 22, 1950	--	--	--	--	--	--	--	160	--	292	--	--	--	--	242	1,310	8.0	--	--	--	--	
		862	Apr. 15, 1951	--	--	--	--	--	--	--	--	76	290	--	--	--	--	--	1,330	--	--	--	--	--	--
		862	May 2, 1951	--	--	--	--	--	--	--	--	74	290	--	--	--	--	--	1,330	--	--	--	--	--	--
		862	Sept. 19, 1951	--	--	--	--	--	--	--	162	--	298	--	--	--	--	--	260	1,350	7.9	--	--	--	--
		862	Nov. 30, 1951	--	--	61	24	--	--	--	153	72	303	--	--	--	776	253	--	7.9	--	--	--	--	
		862	Mar. 19, 1952	--	--	--	--	--	--	--	150	73	288	--	--	--	--	--	185	1,310	7.9	--	--	--	--
		862	Oct. 3, 1952	--	--	--	--	--	--	--	160	--	308	--	--	--	--	--	259	1,350	7.9	--	--	--	--
		862	June 1953	--	--	4	--	--	--	--	160	70	301	--	--	--	--	--	255	1,360	8.1	--	--	--	--
		862	Aug. 26, 1953	--	--	66	23	--	--	--	158	70	301	2	--	--	884	260	--	8.1	--	--	--	--	
		862	Feb. 1, 1954	--	>	44	23.1	--	--	--	144	80	346	1.4	--	--	887	236	--	8.1	--	--	--	--	
		862	June 24, 1954	34	--	71	29	167	--	--	160	64	325	.8	2.0	--	772	296	1,340	7.7	55	--	--	--	
		862	July 15, 1954	--	>	30	--	--	--	--	156	72	334	1.4	--	--	973	300	--	8.2	--	--	--	--	
		862	Dec. 17, 1955	--	--	--	--	--	--	--	--	--	490	--	--	--	--	--	--	--	--	--	--	--	--
		862	do	--	--	--	--	--	--	--	--	--	475	--	--	--	--	--	--	--	--	--	--	--	--
		862	Dec. 18, 1955	--	--	--	--	--	--	--	--	--	480	--	--	--	--	--	--	--	--	--	--	--	--
		862	Dec. 19, 1955	--	--	--	--	--	--	--	--	--	485	--	--	--	--	--	--	--	--	--	--	--	--
		862	do	--	--	--	--	--	--	--	--	--	485	--	--	--	--	--	--	--	--	--	--	--	--
		862	Dec. 20, 1955	--	--	--	--	--	--	--	--	--	480	--	--	--	--	--	--	--	--	--	--	--	--
862	do	--	--	--	--	--	--	--	--	--	475	--	--	--	--	--	--	--	--	--	--	--	--		
862	Dec. 21, 1955	--	--	--	--	--	--	--	--	--	470	--	--	--	--	--	--	--	--	--	--	--	--		
862	do	--	--	--	--	--	--	--	--	--	465	--	--	--	--	--	--	--	--	--	--	--	--		
862	Dec. 22, 1955	--	--	--	--	--	--	--	--	--	470	--	--	--	--	--	--	--	--	--	--	--	--		
862	do	--	--	--	--	--	--	--	--	--	460	--	--	--	--	--	--	--	--	--	--	--	--		
862	Dec. 23, 1955	--	--	--	--	--	--	--	--	--	445	--	--	--	--	--	--	--	--	--	--	--	--		
862	Sept. 30, 1957	--	--	.02	98	29	--	--	--	88	388	.7	--	--	1,036	364	--	7.5	--	--	--	--			
862	July 1, 1958	--	--	.002	90	27	--	--	--	60	424	--	--	--	1,149	347	--	8.3	--	--	--	--			
862	Sept. 18, 1958	--	--	.02	96	27	--	--	--	60	490	.6	--	--	1,062	338	--	7.5	--	--	--	--			
862	Mar. 25, 1959	--	--	.02	137	31	--	--	--	66	597	.6	--	--	1,561	470	--	7.3	--	--	--	--			
862	Aug. 12, 1960	--	--	.03	105	24	--	--	--	70	439	1.0	--	--	1,143	362	--	8.6	--	--	--	--			
862	Aug. 2, 1961	--	--	.02	102	33	--	--	108	--	452	--	--	--	--	346	1,730	7.5	--	--	--	--			
862	Aug. 10, 1961	--	--	.01	99	35	--	--	--	86	475	.6	--	--	1,420	392	--	7.9	--	--	--	--			
862	May 1, 1962	--	--	.01	99	35	--	--	--	72	470	.9	--	--	1,318	394	--	8.0	--	--	--	--			
862	May 7, 1963	--	--	.01	105	24	--	--	--	77	527	.6	--	--	1,849	362	--	8.6	--	--	--	--			
862	July 18, 1963	--	--	--	--	--	--	--	--	146	--	470	--	--	--	420	1,790	7.1	--	--	--	--			
806	Qal Rg Qal Rg Qtal 6	59	Nov. 14, 1938	39	--	129	30	254	--	352	378	223	--	--	--	1,194	445	--	--	--	--	--			
		127	Nov. 16, 1938	27	--	18	4.5	242	--	313	155	115	--	--	--	--	677	63	--	--	--	--	--		
		200	Nov. 17, 1938	25	--	16	7.5	197	--	214	104	153	--	--	--	--	583	71	--	--	--	--	--		
		257	Nov. 18, 1938	22	--	31	12	219	--	249	128	201	--	--	--	--	736	127	--	--	--	--	--		
		337	Nov. 22, 1938	21	--	42	17	100	--	180	70	150	--	--	--	--	448	175	--	--	--	--	--		
		840	Nov. 30, 1938	30	--	51	11	385	--	108	101	471	--	--	--	--	1,000	173	--	--	--	--	--		
		643	Feb. 26, 1940	14	--	55	21	161	--	185	78	253	--	--	--	--	738	224	--	7.7	--	--	--		
		643	Mar. 2, 1940	19	--	53	20.1	184	--	183	97	258	--	--	--	--	722	214	--	7.8	--	--	--		
		643	Mar. 3, 1940	23	--	55	22	215	--	189	101	310	--	--	--	--	786	229	--	7.9	--	--	--		
		643	Mar. 4, 1940	23	--	67	27.8	204	--	201	122	306	--	--	--	--	884	280	--	7.7	--	--	--		
		643	Mar. 5, 1940	--	--	62	25.4	223	--	220	129	305	--	--	--	--	873	260	--	7.8	--	--	--		

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)			
JL-49-13-806	Qtal 6	643	Mar. 5, 1940	19	--	--	--	--	--	--	--	259	--	--	--	729	166	--	--	--	--	--			
		643	Mar. 7, 1940	--	--	63	26.3	290	--	--	220	163	387	--	--	--	1,109	266	--	7.8	--	--	--		
		643	Mar. 8, 1940	--	--	62	26.9	329	--	--	231	168	437	--	--	--	1,184	265	--	7.7	--	--	--		
		643	Apr. 13, 1940	28	--	43	13	157	--	--	179	72	198	--	--	--	595	162	--	--	--	--	--		
		643	Apr. 17, 1940	17	--	--	--	--	--	--	--	--	202	--	--	--	588	131	--	--	--	--	--	--	
		643	Aug. 30, 1940	31	--	41	15	145	--	--	173	68	189	--	--	--	595	165	--	7.9	--	--	--	--	
		643	May 12, 1941	34	--	64	31	125	--	--	185	92	225	--	--	--	667	285	--	--	--	--	--	--	
		643	June 16, 1941	32	--	43	15	149	--	--	170	62	203	0.4	0.35	--	601	169	--	7.9	--	--	--	--	
		643	Apr. 22, 1942	32	--	54	21	150	--	--	191	85	223	--	--	--	636	221	--	8.5	--	--	--	--	
		643	June 2, 1942	44	--	35	19	177	--	--	181	96	215	--	--	--	591	165	--	7.8	--	--	--	--	
		643	do	--	--	40	15	156	--	--	180	68	200	--	--	--	568	162	--	--	--	--	--	--	
		643	Apr. 2, 1949	28	--	50	24	123	--	--	169	70	197	--	1.8	--	590	224	1,060	7.9	54	--	--	--	
		643	Apr. 22, 1949	29	--	55	21	146	--	--	159	89	225	--	.2	--	675	224	1,160	7.8	59	--	--	--	
		643	Feb. 28, 1950	--	--	--	--	--	--	--	159	--	230	--	--	--	--	229	1,140	8.0	--	--	--	--	--
		643	Apr. 3, 1950	--	--	39	15.7	--	--	--	164	75	206	--	--	--	596	164	--	8.0	--	--	--	--	--
		643	June 22, 1950	--	--	--	--	--	--	--	166	--	201	--	--	--	--	153	1,030	8.0	--	--	--	--	--
		643	Mar. 14, 1951	--	--	54	14.5	--	--	--	159	88	224	--	--	--	639	194	--	8.0	--	--	--	--	--
		643	May 3, 1951	28	--	56	23	146	--	--	162	90	230	--	.5	--	719	234	1,170	8.1	58	--	--	--	--
		643	Oct. 17, 1952	--	--	--	--	--	--	--	160	--	224	--	--	--	--	189	1,100	7.9	--	--	--	--	--
		643	do	--	--	49	17.6	--	--	--	156	86	224	--	--	--	644	196	--	7.9	--	--	--	--	--
		643	May 19, 1953	--	--	--	--	--	--	--	163	--	208	--	--	--	--	181	1,090	7.9	--	--	--	--	--
		643	Feb. 8, 1954	--	V	.1	45	18.2	--	--	161	80	237	.6	--	--	638	188	--	8.0	--	--	--	--	--
		643	June 23, 1954	33	--	38	16	147	--	--	168	70	190	.6	0	--	--	161	1,020	7.9	66	--	--	--	--
		643	July 16, 1954	--	V	.1	36	16	--	--	163	68	212	.6	--	--	630	156	--	8.1	--	--	--	--	--
		643	Nov. 8, 1955	--	.2	34	21	153	--	--	167	80	200	1.0	--	--	631	170	--	8.1	--	--	--	--	--
		643	Sept. 26, 1957	--	V	.02	42	12	--	--	--	86	179	1.7	--	--	609	154	--	7.7	--	--	--	--	--
		643	Aug. 10, 1961	--	.02	37	14	--	--	--	--	71	140	1.1	--	--	589	150	--	8.3	--	--	--	--	--
		643	Aug. 22, 1962	--	.03	32	16	--	--	--	--	103	200	1.0	--	--	591	146	--	7.9	--	--	--	--	--
		643	May 7, 1963	--	.02	40	26	--	--	--	--	75	195	.9	--	--	655	146	--	8.9	--	--	--	--	--
		643	May 15, 1964	--	.03	41	24	--	--	--	--	69	180	.8	--	--	544	200	--	8.7	--	--	--	--	--
643	Sept. 30, 1965	--	.03	40	13	--	--	--	--	89	190	.6	--	--	574	156	--	7.6	--	--	--	--	--		
643	Feb. 23, 1967	--	.01	70	8	--	--	--	--	100	220	.2	--	--	628	206	--	--	--	--	--	--	--		
643	Sept. 30, 1965	--	.03	40	13	--	--	--	--	89	190	.6	--	--	574	156	--	7.6	--	--	--	--	--		
643	Sept. 9, 1970	--	.3	54	15	139	--	--	--	86	195	.4	--	--	569	196	--	7.8	67	--	--	--	--		
643	Dec. 2, 1970	--	.06	53	17	163	--	--	--	90	195	.8	--	--	602	202	--	7.7	70	--	--	--	--		
643	July 13, 1972	--	.01	51	18	144	--	--	--	--	106	187	.6	--	656	198	--	7.9	68	--	--	--	--		
808	Qal Rg Qal Rg Qtal 6	60	Aug. 28, 1940	34	--	120	31	177	--	268	286	208	--	--	--	1,050	426	--	7.9	--	--	--	--		
		167	Aug. 30, 1940	28	--	89	30	94	--	201	183	139	--	--	--	696	348	--	--	--	--	--	--	--	
		343	Sept. 3, 1940	23	--	74	25	117	--	138	120	216	--	--	--	732	287	--	--	--	--	--	--	--	
		400	Sept. 4, 1940	20	--	45	18	143	--	160	78	177	--	--	--	586	187	--	--	--	--	--	--	--	
		460	Sept. 5, 1940	23	--	49	17	137	--	148	85	200	--	--	--	618	194	--	--	--	--	--	--	--	
		535	Sept. 6, 1940	24	--	20	7.7	92	--	174	68	48	--	--	--	356	82	--	--	--	--	--	--	--	
		617	Sept. 10, 1940	23	--	16	4.4	99	--	176	63	45	--	--	--	357	58	--	--	--	--	--	--	--	
		681	Sept. 11, 1940	28	--	14	3.6	120	--	191	87	47	--	--	--	370	50	--	--	--	--	--	--	--	
		729	Sept. 12, 1940	27	--	12	3.1	132	--	198	94	51	--	--	--	398	44	--	--	--	--	--	--	--	
		835	Sept. 14, 1940	30	--	16	4.8	182	--	198	150	97	--	--	--	396	61	--	--	--	--	--	--	--	
		622	Sept. 19, 1940	28	--	25	8.9	106	--	--	170	78	--	--	--	390	99	--	--	--	--	--	--	--	
		623	Aug. 30, 1966	27	.39	60	22	112	8.3	168	125	165	.4	0	0.10	603	240	--	7.8	49	3.1	0	--	--	
		810	Qtal 6	233-258	Jan. 16, 1964	--	.008	174	11	--	--	--	644	925	.7	--	--	2,955	480	--	7.5	--	--	--	--
				320-345	Jan. 17, 1964	--	.002	616	134	--	--	--	571	3,250	.3	--	--	7,420	2,092	--	7.6	--	--	--	--
				431-456	Jan. 20, 1964	--	.006	433	71	--	--	--	786	1,363	.3	--	--	4,063	1,376	--	7.0	--	--	--	--
508-533	do			--	.004	171	32	--	--	--	430	543	.2	--	--	1,595	558	--	7.2	--	--	--	--		
580-605	Jan. 21, 1964			--	.001	37	6	--	--	--	155	85	.2	--	--	402	116	--	6.8	--	--	--	--		
681-706	Jan. 22, 1964			--	.001	47	5	--	--	--	158	160	.2	--	--	525	138	--	6.9	--	--	--	--		
776-801	do			--	.004	85	10	--	--	--	302	510	.2	--	--	1,158	254	--	7.2	--	--	--	--		
860-885	Jan. 23, 1964			--	.003	75	17	--	--	--	335	595	.2	--	--	1,332	258	--	7.5	--	--	--	--		
1,017-1,042	Jan. 23, 1964			--	.004	190	43	--	--	--	535	1,110	.3	--	--	2,625	652	--	7.0	--	--	--	--		
751	Apr. 7, 1967			--	.01	58	11	--	--	--	--	71	205	.5	--	--	625	190	--	7.7	--	--	--		
751	Aug. 8, 1967			--	--	--	--	--	--	179	54	156	--	--	--	--	130	--	891	7.6	--	--	32		
751	Sept. 10, 1969			--	--	40	10	128	--	--	--	38	168	--	--	--	557	142	--	8.4	72	--	--		
751	Sept. 9, 1970			--	.5	66	16	133	--	--	--	36	240	.5	--	--	578	232	--	7.9	62	--	--		
751	Oct. 12, 1972			--	V	.01	74	22	171	--	--	49	279	.4	--	--	915	277	--	8.1	64	--	--		
751	Apr. 17, 1973			--	V	.01	105	14	155	--	--	--	50	330	.3	--	904	320	--	7.8	57	--	--		

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)
JL-49-13-812	Qal Rg	53	July 20, 1967	--	--	--	--	--	--	344	168	142	--	--	--	--	308	1,270	7.6	--	--	0
813	Qal Rg	51	do	--	--	--	--	--	--	332	764	395	--	--	--	--	880	2,900	7.4	--	--	0
814	Qal Rg	160	Aug. 1, 1968	29	--	103	30	114	10	212	238	162	0.6	0.3	0.11	--	380	1,300	7.6	39	2.5	0
		100-160	June 1, 1975	--	--	230	67	--	--	398	620	390	--	--	--	--	850	2,770	7.9	--	--	--
815	Qtal 6	396	Jan. 5, 1935	--	--	--	--	--	--	176	68	158	--	--	--	--	189	--	--	--	--	--
		396	Aug. 27, 1935	--	--	--	--	--	--	150	--	175	--	--	--	--	165	--	--	--	--	--
		396	Apr. 22, 1936	--	--	47	18	129	--	168	71	185	--	0	--	533	191	--	--	--	--	--
		396	Oct. 28, 1936	--	--	50	19	136	--	180	70	198	--	0	--	562	203	--	--	--	--	--
		396	Mar. 19, 1937	29	0.06	49	19	131	6.6	167	73	200	.6	.1	--	592	260	--	58	--	--	--
		396	Oct. 29, 1937	--	--	48	20	134	--	170	64	203	--	.2	--	202	--	--	59	--	--	--
		396	Oct. 3, 1938	27	--	48	19	140	--	170	79	202	--	0	--	605	198	--	--	--	--	--
		396	Nov. 18, 1939	--	--	50	19	140	--	166	73	209	--	0	--	613	203	--	--	--	--	--
		396	June 11, 1940	--	--	49	20	152	--	172	80	220	--	0	--	606	204	--	--	--	--	--
		396	Nov. 28, 1940	--	--	52	19	146	--	174	77	215	--	0	--	595	208	--	--	--	--	--
		396	June 16, 1941	--	--	53	19	144	--	170	73	218	--	0	--	591	210	--	--	--	--	--
		396	Sept. 18, 1941	--	--	50	20	149	--	170	74	223	--	.2	--	600	207	--	--	--	--	--
		396	June 2, 1942	--	--	52	19	159	--	172	78	235	--	0	--	628	208	--	--	--	--	--
		396	Sept. 15, 1942	--	--	54	20	154	--	172	76	235	--	1.0	--	625	217	--	--	--	--	--
		396	Mar. 27, 1943	--	--	59	21	163	--	170	79	260	--	.5	--	666	233	--	--	--	--	--
		396	Feb. 27, 1944	--	--	60	22	157	--	170	78	256	--	.2	--	657	240	--	--	--	--	--
		396	May 8, 1944	--	--	60	24	157	--	168	80	260	--	1.0	--	665	248	--	--	--	--	--
		396	July 27, 1949	28	--	65	31	186	--	167	88	330	--	0	--	880	290	1,470	8.2	58	--	--
		396	Feb. 9, 1950	28	--	71	27	190	--	169	93	329	--	1.0	--	878	288	1,500	7.8	59	--	--
		396	Apr. 24, 1951	29	--	75	30	188	--	172	94	340	--	1.0	--	934	310	1,530	8.1	57	--	--
		396	Sept. 24, 1951	--	--	--	--	--	--	169	--	330	--	--	--	295	1,510	7.9	--	--	--	--
		396	May 27, 1952	--	--	--	--	--	--	168	89	340	--	--	--	284	1,520	7.6	--	--	--	--
		396	June 3, 1953	--	--	--	--	--	--	167	--	348	--	--	--	298	1,540	7.7	--	--	--	--
		396	June 24, 1954	--	--	--	--	--	--	169	--	348	--	--	--	278	1,550	7.8	--	--	--	--
		396	Oct. 28, 1955	--	--	--	--	--	--	169	--	350	--	--	--	292	1,540	7.9	--	--	--	--
		396	Apr. 10, 1956	--	--	--	--	--	--	166	--	345	--	--	--	310	1,540	7.8	--	--	--	--
		396	May 22, 1957	--	--	--	--	--	--	162	--	375	--	--	--	304	1,600	8.0	--	--	--	--
817	Qtal 6	860	Aug. 16, 1935	--	--	--	--	--	--	140	--	236	--	--	--	--	170	--	--	--	--	--
		860	Sept. 11, 1935	--	--	46	16	157	--	167	51	235	--	1.7	--	589	181	589	--	--	--	--
		860	Apr. 22, 1936	--	--	--	--	--	--	164	--	235	--	--	--	--	225	--	--	--	--	--
		860	May 6, 1937	--	--	51	19	158	--	166	57	249	--	2.5	--	618	205	--	--	--	--	--
		860	June 25, 1937	32	.24	50	17	158	8.0	166	51	250	.9	5.0	--	646	195	--	63	--	--	--
		860	Sept. 11, 1939	--	--	64	23	175	--	174	58	305	--	2.6	--	757	254	--	--	--	--	--
821	Qal Rg	53	July 20, 1967	--	--	--	--	--	--	422	444	230	--	--	--	--	240	2,140	8.2	--	--	2.12
822	--	260-280	Sept. 15, 1956	--	.1	186	81	1,310	--	--	370	2,200	.7	--	--	4,810	796	--	8.5	--	--	--
		362-382	Sept. 17, 1956	--	.08	58	20	158	--	--	56	275	.7	--	--	742	228	--	8.2	--	--	--
		463-483	do	--	.08	59	20	178	--	--	62	295	.5	--	--	813	228	--	8.5	--	--	--
		550-570	Sept. 19, 1956	--	.3	25	8	162	--	--	37	170	.9	--	--	506	94	--	8.4	--	--	--
		658-678	Sept. 20, 1956	--	.1	38	8	212	--	--	44	315	.8	--	--	724	129	--	8.4	--	--	--
		781-801	do	--	.2	61	12	360	--	--	78	555	.8	--	--	1,190	202	--	8.3	--	--	--
823	Qtal 6	770	June 29, 1956	32	--	25	8	147	--	162	70	147	1.0	0	--	510	96	878	7.8	77	--	--
		770	Oct. 13, 1958	--	.02	25	12	--	--	--	53	137	.7	--	--	501	112	--	8.1	--	--	--
		770	Sept. 13, 1960	--	.02	26	8	--	--	--	66	130	.7	--	--	481	98	--	8.2	--	--	--
		770	July 23, 1962	--	.02	24	9	--	--	--	68	110	.5	--	--	479	98	--	7.9	--	--	--
		770	July 27, 1965	--	.06	24	8	--	--	--	73	135	.6	--	--	479	93	--	8.3	--	--	--
		770	Apr. 18, 1966	--	.05	27	13	--	--	--	84	130	.4	--	--	509	120	--	8.3	--	--	--
		770	Aug. 1, 1966	28	0	25	7.2	132	5.1	166	70	125	1.0	0	.11	476	93	819	7.8	74	6.0	.86
		770	Feb. 4, 1967	--	.04	60	6	--	--	--	89	175	.4	--	--	543	184	--	7.8	--	--	--
		770	July 17, 1967	--	.01	86	26	--	--	--	220	165	.5	--	--	922	324	--	8.0	--	--	--
		770	do	--	.02	88	27	--	--	--	239	165	.5	--	--	942	331	--	8.0	--	--	--
		770	May 12, 1969	--	.01	23	9	134	--	--	84	115	.8	--	--	531	96	--	8.1	81	--	--
		770	July 2, 1969	--	.01	23	7	136	--	--	75	120	.8	--	--	527	88	--	8.4	--	--	--
		770	July 7, 1969	--	--	24	7.2	--	--	168	72	122	--	--	--	90	795	7.4	--	--	--	.96

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)	
JL-49-13-823	Qtal 6	770	July 21, 1970	--	--	25	8	128	--	--	77	115	0.7	--	--	432	94	--	8.1	80	--	--	
		770	May 27, 1971	--	0.04	23	7.8	132	--	--	73	120	.8	--	--	435	90	--	8.3	81	--	--	
		770	Apr. 10, 1972	--	.02	28	9.2	163	--	--	84	115	.4	--	--	477	108	--	8.3	82	--	--	
		770	Mar. 28, 1973	--	.02	25	8	134	--	--	68	128	1.5	--	--	530	93	--	8.0	80	--	--	
		770	Feb. 5, 1974	--	.01	41	12	145	--	--	92	170	.5	--	--	560	150	--	8.0	73	--	--	
824	Qal Rg	67-92	Mar. 10, 1967	39	.03	52	17	165	6.7	308	161	106	.7	0.5	--	699	200	1,100	7.9	63	5.1	1.06	
	Qtal 6	180-205	do	32	.10	112	43	158	8.9	186	274	268	.4	0.5	--	988	456	1,610	7.5	42	3.2	0	
	Qtal 6	250	July 11, 1967	37	.01	86	32	168	8.9	304	299	172	.4	0.22	0.22	883	346	1,400	7.6	51	3.9	0	
828	Qtal 6	250	July 12, 1967	36	.05	86	32	170	9.2	301	226	174	.5	0	.23	884	346	1,420	7.6	51	4.0	0	
		250	July 14, 1967	36	.05	86	32	170	9.2	301	226	174	.5	0	.23	884	346	1,420	7.6	51	4.0	0	
829	Qtal 6	535	May 31, 1975	28	0	39	14	110	5.3	164	83	130	.4	--	--	491	160	852	7.7	60	3.8	--	
		535	Mar. 30, 1977	--	--	37	12	--	--	154	73	130	--	--	--	580	140	829	8.0	--	--	--	
829	Qal Rg	150	May 7, 1975	28	0	70	20	140	9.7	180	190	170	.5	--	--	718	260	1,210	8.0	53	3.8	--	
830	Qtal 6	788	Sept. 22, 1975	29	--	25	7.5	150	6.2	180	70	150	.8	--	--	527	93	908	8.3	76	6.8	--	
832	Qal Rg	160	June 3, 1976	29	0	82	23	500	9.5	240	480	450	.9	--	--	1,700	300	2,820	7.8	78	13	7	
902	Qtal 6	704	June 8, 1948	36	--	29	11	156	--	190	85	150	--	1.2	--	582	118	957	--	74	--	--	
		704	Nov. 9, 1950	32	--	28	11	151	--	177	87	146	--	1.5	--	550	115	923	7.9	74	--	--	
		704	Oct. 13, 1954	--	V	25	12	145	--	--	80	148	1.2	--	--	584	111	--	8.1	--	--	--	
		704	July 13, 1956	--	V	--	--	--	--	--	172	--	179	--	--	--	116	1,010	7.8	--	--	--	
		704	Oct. 13, 1958	--	V	.02	33	12	--	--	54	190	1.8	--	--	593	130	--	8.1	--	--	--	
		704	Nov. 21, 1959	--	V	.02	42	13	--	--	73	185	1.6	--	--	615	158	--	7.9	--	--	--	
		704	Sept. 13, 1960	--	V	.02	33	11	--	--	69	200	--	--	--	628	128	--	8.2	--	--	--	
		704	Apr. 5, 1961	--	V	.02	44	14	--	--	78	195	1.4	--	--	611	167	--	7.9	--	--	--	
		704	Apr. 5, 1962	--	V	.03	30	11	--	--	69	210	1.3	--	--	604	120	--	7.9	--	--	--	
		704	May 15, 1964	--	V	.02	28	9	--	--	72	200	1.0	--	--	600	107	--	8.1	--	--	--	
		704	Jan. 22, 1969	--	V	.27	13	177	--	--	119	205	.7	--	--	654	122	--	8.3	--	--	--	
		704	July 2, 1969	--	V	.01	40	16	153	--	65	205	1.0	--	--	653	166	--	8.3	--	--	--	
		704	Sept. 10, 1969	--	V	.37	11	152	--	--	50	195	.8	--	--	616	136	--	8.3	76	--	--	
		704	July 21, 1970	--	V	.02	40	11	164	--	63	215	.9	--	--	574	146	--	7.9	76	--	--	
		704	July 23, 1971	--	V	.02	43	6.7	159	--	56	205	.9	--	--	551	132	--	7.9	76	--	--	
		704	July 13, 1972	--	V	.01	39	12	182	--	77	232	1.1	--	--	657	146	--	7.9	78	--	--	
		704	June 16, 1973	--	V	.01	68	13	185	--	71	295	.5	--	--	797	224	1,362	7.8	70	--	--	
704	Feb. 5, 1974	--	V	.01	58	16	185	--	73	295	.5	--	--	806	212	--	7.8	71	--	--			
903	Qtal 6	619	June 18, 1958	36	--	28	10	144	--	187	102	115	--	3.0	--	530	111	867	8.0	74	--	--	
		619	July 16, 1963	--	--	--	--	--	--	190	--	112	--	--	--	--	110	836	7.4	--	--	.91	
		619	June 23, 1965	--	--	--	--	--	--	--	92	120	--	--	--	--	--	906	--	--	--	--	
		619	Aug. 4, 1967	--	--	--	--	--	--	--	182	93	154	--	--	--	--	132	969	7.6	--	--	.34
		619	July 11, 1969	--	--	43	15	--	--	--	182	95	200	--	--	--	--	169	1,120	7.5	--	--	0
904	Qtal 6	299	Mar. 13, 1936	--	--	399	143	1,230	--	284	579	2,310	.3	5.8	--	4,740	1,430	--	--	--	--	--	
906	Qtal 6	694	Jan. 5, 1935	--	--	--	--	--	--	154	80	206	--	--	--	--	144	--	--	--	--	--	
		694	Aug. 28, 1935	--	--	--	--	--	--	150	--	212	--	--	--	--	--	117	--	--	--	--	--
		694	Apr. 22, 1936	--	--	33	11	172	--	148	81	210	--	.8	--	581	128	--	--	--	--	--	
		694	Nov. 15, 1939	--	--	--	--	178	--	151	79	218	--	.7	--	586	126	--	--	--	--	--	
		694	Nov. 29, 1940	--	--	35	11	176	--	160	83	210	--	2.0	--	596	133	--	--	--	--	--	
		694	Sept. 18, 1941	--	--	38	14	155	--	178	71	189	--	2.5	--	557	152	--	--	--	--	--	
		694	June 3, 1942	--	--	34	10	176	--	158	77	212	--	.5	--	587	126	--	--	--	--	--	
		694	Sept. 16, 1942	--	--	--	--	--	--	172	75	208	--	.5	--	--	--	--	--	--	--	--	--
		694	Mar. 24, 1943	--	--	47	15	171	--	175	79	228	--	4.0	--	630	179	--	--	--	--	--	
		694	Feb. 15, 1944	--	--	36	11	176	--	156	76	219	--	.8	--	596	135	--	--	--	--	--	
		694	May 9, 1944	--	--	37	11	178	--	163	79	217	--	3.5	--	606	138	--	--	--	--	--	
		694	May 22, 1945	--	--	42	12	165	--	154	77	217	--	.5	--	642	154	--	--	--	--	--	
		694	Mar. 25, 1946	--	--	36	11	181	--	169	76	220	--	.4	--	640	135	--	--	--	--	--	
		694	Apr. 26, 1947	--	--	--	--	--	--	158	--	225	--	--	--	--	--	--	1,120	--	--	--	--
		694	June 8, 1948	40	--	36	12	182	--	164	77	227	--	.8	--	673	140	1,170	--	74	--	--	
694	Apr. 22, 1949	34	--	35	11	180	--	152	77	225	--	3.2	--	643	132	1,140	8.0	75	--	--			
694	Aug. 7, 1949	29	--	46	19	181	--	163	79	262	--	1.2	--	706	193	1,290	8.0	67	--	--			

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)
JL-49-13-906	Qtal 6	694	g Feb. 10, 1950	--	--	--	--	--	--	150	--	224	--	--	--	--	134	1,140	8.1	--	--	--
		694	g Apr. 24, 1951	36	--	39	13	178	--	160	76	232	--	1.5	--	663	151	1,160	8.2	72	--	--
		694	g May 26, 1952	--	--	--	--	--	--	155	73	231	--	--	--	--	133	1,150	7.8	--	--	--
		694	g Oct. 2, 1952	--	--	--	--	--	--	155	--	230	--	--	--	--	132	1,120	8.0	--	--	--
		694	g June 4, 1953	--	--	--	--	--	--	155	--	230	--	--	--	--	135	1,140	8.1	--	--	--
		694	g June 23, 1954	35	--	41	13	192	--	150	75	262	0.9	.5	--	702	156	1,240	7.8	73	--	--
		694	g May 6, 1955	--	--	--	--	--	--	142	--	275	--	--	--	--	154	1,270	7.7	--	--	--
		694	g Apr. 10, 1956	33	--	80	28	204	--	168	70	388	--	1.8	--	888	314	1,650	7.8	59	--	--
		694	g July 10, 1957	41	--	38	11	180	--	155	67	235	--	3.0	--	651	140	1,160	7.8	74	--	--
		694	g June 17, 1958	--	--	--	--	--	--	152	--	248	--	--	--	--	150	--	--	8.0	--	--
910	Qtal 6	280-300	ly May 1956	--	0.3	35	12	143	--	181	100	134	.7	--	--	558	138	--	8.7	--	--	--
		370-390	ly do	--	.1	26	8	114	--	178	86	89	.7	--	--	475	99	--	8.6	--	--	--
		462-482	ly do	--	.15	26	7	138	--	172	80	97	.8	--	--	480	92	--	8.8	--	--	--
		541-561	ly do	--	.15	21	5	139	--	162	74	90	.8	--	--	492	72	--	8.8	--	--	--
		631-651	ly do	--	.15	26	5	144	--	127	54	159	.6	--	--	495	85	--	8.5	--	--	--
		612	ly June 12, 1956	--	.1	25	6	138	--	170	80	93	.7	--	--	476	87	--	8.4	--	--	--
		612	g July 31, 1956	32	--	25	8.9	128	--	175	98	93	--	2.0	--	473	100	790	8.0	74	--	--
		612	g June 9, 1959	30	--	27	7.8	126	--	161	89	103	.8	2.2	--	465	100	780	7.6	73	--	--
		612	g Aug. 3, 1961	--	--	--	--	--	--	176	--	125	--	--	--	--	113	859	7.9	--	--	--
		612	g Aug. 15, 1963	--	--	--	--	--	--	168	--	155	--	--	--	--	136	991	7.3	--	--	--
		612	g June 23, 1965	--	--	--	--	--	--	80	--	192	--	--	--	--	--	1,050	--	--	--	--
		642	g Aug. 1, 1967	--	--	--	--	--	--	152	81	222	--	--	--	--	172	1,110	7.6	--	--	0
		642	g July 20, 1969	31	--	63	19	180	--	142	81	300	.7	.7	--	745	235	1,340	7.2	62	5.1	0
911	Qtal 6	706	g Aug. 29, 1935	--	--	--	--	--	--	133	--	169	--	--	--	--	106	--	--	--	--	--
		706	g Sept. 23, 1935	--	--	27	8.0	145	--	130	68	170	--	.2	--	483	102	--	--	--	--	
		706	g Dec. 18, 1940	36	.03	23	6.0	127	--	136	65	128	--	0	--	453	83	--	--	--	--	
912	Qtal 6	240-260	ly June 29, 1947	--	--	21	--	--	--	--	--	99	--	--	--	574	147	--	--	--	--	
		403-425	ly June 30, 1947	--	--	21	--	--	--	--	--	114	--	--	--	503	142	--	--	--	--	
		689	g Sept. 20, 1948	28	.15	26	10	122	7.2	164	88	107	.8	1.2	0.42	475	106	808	7.8	70	--	--
		689	g Nov. 9, 1950	30	--	26	10	123	--	158	93	104	--	1.5	--	466	106	783	7.8	72	--	--
		689	g Oct. 13, 1954	--	V .1	22	12	124	--	88	87	.8	--	--	--	504	104	--	8.1	--	--	
		689	g July 13, 1956	--	--	--	--	--	--	164	--	99	--	--	--	--	95	765	8.0	--	--	--
		689	g Oct. 13, 1958	--	V .02	32	10	--	--	--	66	119	--	--	--	485	120	--	8.0	--	--	
		689	g Nov. 21, 1959	--	V .02	36	11	--	--	--	89	115	--	--	--	510	136	--	8.0	--	--	
		689	g Apr. 5, 1961	--	V .02	32	12	--	--	--	87	145	.3	--	--	333	82	--	8.3	--	--	
		689	g Jan. 22, 1969	--	V .01	8	10	112	--	--	81	100	.7	--	--	410	62	--	8.7	--	--	
913	Qtal 6	228-248	g June 24, 1957	13	.1	377	165	2,170	--	--	660	3,850	--	--	--	7,490	1,620	12,400	7.8	--	--	
		346-366	g do	10	.1	114	43	342	--	--	88	700	--	--	--	1,480	462	2,660	7.9	--	--	
		442-462	g June 25, 1957	8	.1	141	47	305	--	--	88	705	--	--	--	1,470	546	2,630	7.8	--	--	
		528-548	g June 26, 1957	21	.1	19	5	148	--	--	52	118	--	--	--	587	68	785	8.1	--	--	
		649-669	g do	14	.1	63	11	262	--	--	66	440	--	--	--	979	203	1,740	7.9	--	--	
		481-506	g Apr. 5, 1961	--	.03	18	3	--	--	--	136	60	--	--	--	452	67	--	9.1	--	--	
		577-602	g Apr. 6, 1961	--	.03	16	5	--	--	--	71	55	--	--	--	409	60	--	9.2	--	--	
914	Qtal 6	687-712	g Apr. 7, 1961	--	V .02	13	2	--	--	--	110	60	--	--	--	439	40	--	9.2	--	--	
		743-768	g do	--	V .02	13	4	--	--	--	82	70	--	--	--	408	50	--	9.1	--	--	
		847-872	g Apr. 8, 1961	--	V .02	18	2	--	--	--	68	165	--	--	--	499	52	--	9.0	--	--	
		968-993	g do	--	V .02	34	3	--	--	--	78	145	--	--	--	451	97	--	9.0	--	--	
		838	g June 26, 1961	--	V .02	19	9	--	--	165	89	75	.6	--	--	378	84	--	8.1	--	--	
		838	g June 18, 1964	--	V .03	19	9	--	--	--	92	75	.4	--	--	383	85	--	8.2	--	--	
		838	g Sept. 8, 1967	--	V .03	18	8	--	--	--	96	70	.4	--	--	335	78	--	7.9	--	--	
		838	g Dec. 12, 1968	--	V .02	18	5	88	--	--	67	40	.5	0.05	--	377	64	--	8.3	--	--	
		838	g July 3, 1969	--	V .02	18	6	104	--	--	74	60	.5	--	--	427	71	--	8.1	--	--	
		838	g Sept. 9, 1970	--	V .01	18	5	92	--	--	55	55	.5	--	--	303	67	--	7.9	80	--	
		838	g May 28, 1971	--	V .03	19	5	86	--	--	67	42	.5	--	--	296	68	--	8.1	78	--	
		838	g May 16, 1972	--	V .02	18	5	82	--	--	64	35	.5	--	--	364	68	--	7.9	78	--	

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)
JL-49-13-915	Qtal 6	989	May 15, 1975	--	--	57	23	--	--	176	140	190	--	--	--	--	240	1,220	7.8	--	--	--
		830	Mar. 30, 1977	--	--	65	22	--	--	170	130	240	--	--	--	--	250	1,290	7.7	--	--	--
		830	Jan. 9, 1978	--	--	61	22	--	--	170	150	220	--	--	--	--	240	1,250	7.7	--	--	--
916	Qtal 6	295-318	Sept. 21, 1954	--	--	310	140	1,380	--	--	420	2,660	0.2	--	--	5,430	1,350	--	8.5	--	--	--
		346-369	do	--	--	284	120	550	--	--	160	1,320	.2	--	--	3,160	1,200	--	8.5	--	--	--
		398-421	Sept. 24, 1954	--	--	33	17	167	--	--	48	204	.6	--	--	667	152	--	8.7	--	--	--
		457-480	do	--	--	32	9	161	--	--	54	213	.6	--	--	648	158	--	8.6	--	--	--
		532-555	Sept. 27, 1954	--	--	41	15	175	--	--	60	243	.5	--	--	725	154	--	8.6	--	--	--
644-657	do	--	--	33	9	196	--	--	54	262	.6	--	--	735	120	--	8.7	--	--	--	--	
917	Qtal 6	678	June 23, 1965	34	--	30	8.5	181	--	154	72	212	1.0	1.2	--	616	110	1,100	7.3	78	7.5	0.32
		678	July 10, 1967	--	--	--	--	--	--	148	69	235	--	--	--	--	122	1,130	8.1	--	--	.00
		678	July 11, 1969	--	--	36	8.8	--	--	148	66	246	--	.0	--	--	126	1,170	7.9	--	--	.00
918	Qal Rg	202	Aug. 1, 1966	35	0.14	92	40	625	9.2	400	514	612	--	.8	--	2,130	396	3,410	7.4	77	14	.00
920	Qtal 6	580	June 12, 1959	28	--	22	7.0	106	--	160	85	64	.7	2.2	--	397	84	639	7.8	73	--	--
921	Qtal 6	765	Apr. 10, 1968	33	--	24	6.9	159	7.1	176	82	151	1.2	.1	--	551	88	944	7.7	78	7.4	1.11
922	Qal Rg	50	Apr. 26, 1968	--	--	159	67	--	--	618	1,070	418	--	--	--	--	672	3,970	7.9	--	--	.00
924	Qtal 6	607	Aug. 28, 1935	--	--	--	--	--	--	133	--	174	--	--	--	--	102	--	--	--	--	--
925	Qtal 6	644	May 27, 1952	34	--	28	9.5	150	--	155	83	155	1.0	1.0	--	576	109	937	8.0	75	--	--
926	Qtal 6	652	June 18, 1958	--	--	--	--	--	--	156	--	198	--	--	--	--	150	1,050	8.2	--	--	--
933	Qal Rg	52	July 20, 1967	--	--	--	--	--	--	394	305	32	--	--	--	--	492	1,180	8.0	--	--	.00
934	Qal Rg	53	do	--	--	--	--	--	--	276	170	92	--	--	--	--	204	1,040	7.8	--	--	.44
936	Qtal 6	502-522	Aug. 15, 1970	16	.11	18	3.9	96	--	--	73	50	.32	.00	--	331	60	--	8.1	81	--	--
		413-433	Aug. 17, 1970	15	.10	14	2.4	89	--	--	54	50	.42	.00	--	292	44	--	8.4	84	--	--
		630-650	Aug. 20, 1970	14	.44	20	3.4	151	--	--	58	175	.56	.00	--	474	64	--	8.1	86	--	--
		650	Sept. 21, 1970	7.4	.10	19	5.1	92	--	--	65	60	.75	0	--	321	69	--	8.3	79	--	--
937	Qal Rg	165	Mar. 28, 1951	38	--	62	32	373	--	363	396	308	--	.2	0.24	1,370	286	2,160	8.3	--	--	--
		165	May 8, 1951	--	--	--	--	--	--	356	--	302	--	--	--	--	308	2,180	8.1	--	--	--
938	Qtal 6	215	June 2, 1976	44	0	90	37	400	16	376	400	380	1.4	--	--	1,560	380	2,480	8.3	69	9.0	--
14-101	Qtal 6	819	Aug. 24, 1959	30	.01	18	5.4	77	--	146	43	45	.8	5.8	--	307	67	473	7.5	71	--	--
		819	May 16, 1961	31	0	17	5.6	78	--	141	44	46	1	6.5	--	298	65	487	7.2	72	4.2	--
		819	May 19, 1967	28	.01	19	5.4	86	--	160	48	49	1.4	3.5	--	324	70	529	7.4	70	4.4	1.23
		819	Feb. 23, 1973	--	.05	18	5.5	80	10.8	--	32	70	1.19	.12	.1	371	78	530	7.9	--	--	--
		819	Feb. 25, 1974	32	.05	23	3.5	82	6.9	--	49	68	.94	1.30	.2	313	80	550	7.8	--	--	--
819	Mar. 15, 1975	36	.10	16.9	3.5	72	--	--	43	61	.94	2.0	.06	340	78	451	7.8	--	--	--		
102	Qtal 6	404	Feb. 25, 1952	24	--	23	7.0	110	--	142	50	112	--	2.5	--	444	86	718	8.0	73	--	--
201	Qtal 6	500	Feb. 21, 1952	4.8	--	35	12	161	--	90	101	225	--	2.0	--	614	137	1,100	7.8	72	--	--
301	Qtal 6	420	Mar. 30, 1953	28	.07	59	21	185	10	144	206	240	.4	4.2	.19	810	234	1,380	7.7	62	--	--
401	Qtal 6	454-479	Oct. 5, 1960	--	.03	10	6	--	--	125	83	40	.2	--	--	337	48	--	8.4	--	--	--
		573-598	do	--	.02	16	4	--	--	138	70	41	.4	--	--	322	54	--	8.4	--	--	--
		680-705	do	--	.02	21	0	--	--	122	76	45	.3	--	--	463	52	--	8.3	--	--	--
		805-830	do	--	.02	11	6	--	--	101	84	125	.4	--	--	381	52	--	8.2	--	--	--
		905-930	do	--	.04	33	3	--	--	82	102	300	<.9	--	--	733	96	--	8.2	--	--	--
		830	Dec. 27, 1960	--	--	13	6	--	--	114	64	45	.1	--	--	423	56	--	8.4	--	--	--
830	May 10, 1962	--	--	.02	26	2	--	--	186	76	50	.4	--	--	318	70	--	8.1	--	--	--	
830	Jan. 14, 1963	--	--	.03	15	10	--	--	137	74	55	.5	--	--	323	78	--	8.3	--	--	--	

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)	
JL-49-14-401	Qtal 6	830	June 16, 1964	--	0.03	17	9	--	--	133	81	60	0.6	--	--	344	90	--	--	--	--	--	
		830	July 27, 1965	--	.03	18	5	--	--	138	79	55	.8	--	--	324	66	--	--	--	--	--	--
		830	Dec. 12, 1968	--	.04	17	6	73	--	135	54	25	.58	0	--	340	66	--	--	--	--	--	--
		830	July 3, 1969	--	.03	18	7	96	--	136	69	53	.5	--	--	409	74	--	8.0	--	--	--	--
		830	Aug. 14, 1969	30	--	16	5.8	78	7.5	162	56	32	.9	4.3	0.11	311	64	496	7.9	70	4.2	1.38	
		830	July 22, 1970	--	0	19	5	74	--	130	54	30	.62	--	--	260	68	--	8.1	76	--	--	--
		830	May 27, 1971	--	.029	21	3.6	74	--	129	55	30	.67	--	--	261	67	--	8.0	75	--	--	--
		830	Apr. 10, 1972	--	.025	19	9	64	--	133	61	20	.61	--	--	341	70	--	8.2	70	--	--	--
		830	Mar. 20, 1973	--	< .02	20	6	82	--	136	65	35	.46	--	--	376	74	--	7.4	76	--	--	--
402	Qtal 6	503-528	Sept. 1960	--	< .02	12	6	--	--	94	71	95	--	--	--	456	54	--	8.8	--	--	--	
		620-645	do	--	.02	22	4	--	--	104	119	135	--	--	--	584	72	--	8.6	--	--	--	
		709-734	do	--	.02	22	7	--	--	102	98	170	--	--	--	656	86	--	8.1	--	--	--	
		806-831	do	--	< .02	49	8	--	--	83	104	385	--	--	--	1,061	156	--	8.0	--	--	--	
		745	May 10, 1962	--	.02	22	7	--	--	119	85	115	.6	--	--	403	90	--	8.1	--	--	--	
		745	Feb. 11, 1963	--	.013	23	7	--	--	120	41	125	.4	--	--	407	88	--	8.3	--	--	--	
		745	July 20, 1964	--	.01	24	8	--	--	126	49	125	.4	--	--	426	93	--	8.9	--	--	--	
		745	Aug. 10, 1967	--	.009	25	5	--	--	112	58	110	.6	--	--	441	82	--	8.3	--	--	--	
		745	Dec. 12, 1968	--	.05	24	6	--	--	114	60	113	.5	0	--	457	86	--	8.3	--	--	--	
		745	July 3, 1969	--	.01	24	7	127	--	120	87	125	.45	--	--	496	90	--	8.1	--	--	--	
		745	Aug. 14, 1969	31	--	22	6.7	111	7.5	136	59	112	.7	2.1	.10	419	82	714	7.5	72	5.3	.58	
		745	July 22, 1970	--	0	26	6	102	--	110	52	105	.53	--	--	358	90	--	8.0	--	--	--	
		745	May 27, 1971	--	.02	27	5.3	116	--	107	65	119	.57	--	--	397	90	--	8.0	--	--	--	
		745	Apr. 10, 1972	--	.021	28	7.7	131	--	110	67	110	.07	--	--	428	102	--	8.0	78	--	--	
		745	Apr. 30, 1973	--	< .02	26	8.2	121	--	107	65	133	.28	--	--	485	100	--	7.8	78	--	--	
403	Qtal 6	490	July 29, 1964	--	--	14	--	--	127	46	199	--	--	--	--	93	955	7.6	--	--	--		
		490	Aug. 29, 1966	27	.07	22	7.0	106	7.2	154	61	96	.7	2.2	--	405	84	701	7.9	71	5.0	.84	
		490	Sept. 10, 1969	--	--	--	--	--	--	--	--	107	--	--	--	--	--	713	--	--	--	--	
404	Qtal 6	750	Jan. 1952	29	--	16	4.9	79	--	135	54	50	--	2.5	--	329	60	511	7.9	74	--	--	
		750	Mar. 28, 1952	--	--	--	--	--	--	138	--	54	--	--	--	--	61	536	7.8	--	--	--	
		750	Sept. 2, 1952	--	--	--	--	--	--	133	--	58	--	--	--	--	65	542	8.0	--	--	--	
		750	July 16, 1957	19	--	18	4.5	84	--	133	52	57	--	3.0	--	303	64	519	7.5	74	--	--	
		750	July 18, 1963	--	--	--	--	--	--	76	--	58	--	--	--	--	17	452	6.0	--	--	.91	
		750	June 24, 1965	--	--	--	--	--	--	--	56	57	--	--	--	--	--	548	--	--	--	--	
		750	Aug. 11, 1967	--	--	--	--	--	--	134	59	56	--	--	--	--	70	528	7.4	--	--	.80	
		750	May 6, 1971	--	--	--	--	--	--	136	61	58	--	--	--	--	65	537	7.8	--	--	.93	
405	Qtal 6	550	Dec. 15, 1951	26	--	17	6.4	76	--	167	53	26	0	5.5	--	301	69	475	8.3	71	--	--	
		550	Mar. 28, 1952	--	--	--	--	--	--	169	--	25	--	--	--	--	66	476	7.9	--	--	--	
		550	Sept. 2, 1952	--	--	--	--	--	--	169	--	25	--	--	--	--	66	470	8.1	--	--	--	
		550	Jan. 7, 1953	--	--	--	--	--	--	169	--	25	--	--	--	--	66	470	8.1	--	--	--	
		550	Feb. 3, 1953	27	--	17	6.7	76	--	170	51	26	--	6.8	--	304	70	472	8.1	70	--	--	
		550	Feb. 4, 1954	--	--	--	--	--	--	176	--	25	--	--	--	--	62	461	8.4	--	--	--	
		550	Apr. 18, 1955	--	--	--	--	--	--	171	--	27	--	--	--	--	69	474	7.8	--	--	--	
406	Qtal 6	816	Nov. 16, 1966	--	.009	38	9	--	--	93	170	260	--	--	--	692	132	--	8.3	--	--	--	
		816	Jan. 3, 1967	--	.006	40	6	--	--	105	141	275	.09	--	--	705	124	--	8.4	--	--	--	
		816	Feb. 4, 1967	--	.007	25	8	--	--	132	76	70	.08	--	--	370	94	--	--	--	--	--	
		816	Jan. 22, 1969	--	0	24	14	104	--	133	81	90	.6	--	--	475	118	--	8.2	--	--	--	
		816	July 3, 1969	--	.008	22	6	111	--	127	70	85	.48	--	--	449	79	--	8.2	--	--	--	
		816	Aug. 14, 1969	30	--	22	6.0	99	7.4	150	60	79	.8	2.6	.11	381	80	634	7.5	71	4.8	.87	
		816	Aug. 31, 1970	--	< .01	27	3	104	--	119	58	90	.69	--	--	353	80	--	8.3	--	--	--	
		816	June 14, 1971	--	.04	26	3.6	102	--	117	66	83	.63	--	--	351	79	--	8.6	--	--	--	
		816	Apr. 10, 1972	--	0	25	6.3	128	--	121	69	80	.24	--	--	385	88	--	7.7	81	--	--	
816	Mar. 20, 1973	--	< .02	23	6.8	103	--	120	67	85	.46	--	--	430	86	--	7.7	77	--	--			
409	Qtal 6	608	Jan. 6, 1939	17	--	26	8.1	91	--	60	50	72	--	--	--	423	98	--	--	--	--		
410	Qtal 6	517	Feb. 23, 1939	31	--	44	9.1	139	--	124	82	188	--	--	--	528	148	--	7.4	--	--	--	
		652	Feb. 25, 1939	29	--	51	10	216	--	102	74	329	--	--	--	756	170	--	7.6	--	--	--	
		737	Mar. 3, 1939	34	--	64	16	364	--	97	102	594	--	--	--	1,280	184	--	7.5	--	--	--	
		877	Mar. 9, 1939	42	--	480	78	1,010	--	62	647	2,132	--	--	--	5,210	1,520	--	7.3	--	--	--	

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)
JL-49-14-412	Qtal 6	695	July 20, 1976	34	--	27	6	90	--	192	62	55	--	--	--	387	92	633	7.8	66	4.1	--
413	Qtal 6	697-722	Nov. 15, 1960	--	<.02	178	43	--	--	56	395	1,775	0.9	--	--	3,619	624	--	8.5	--	--	--
		490	Nov. 22, 1960	--	<.02	26	6	--	--	116	67	250	.6	--	--	572	92	--	8.8	--	--	--
		490	Dec. 27, 1960	--	--	28	6	--	--	118	105	207	.3	--	--	688	96	--	8.3	--	--	--
		490	Sept. 22, 1966	--	.04	24	6	--	--	120	83	110	.007	--	--	419	86	--	8.7	--	--	--
		490	Sept. 9, 1969	--	.06	24	7	107	--	122	56	100	.65	--	--	443	88	--	8.4	78	--	--
		600	Oct. 2, 1970	--	--	62	13	320	--	95	81	515	--	--	1,048	208	--	8.2	81	--	--	--
		600	Oct. 15, 1970	--	--	42	5	214	--	103	56	305	--	--	684	122	--	7.9	82	--	--	--
		600	Aug. 2, 1971	--	.086	26	6	179	--	104	55	225	.51	--	--	555	90	--	8.2	85	--	--
		600	Apr. 21, 1973	--	<.01	38	11	219	--	100	63	320	.44	--	--	778	136	--	8.4	82	--	--
414	Qtal 6	700	Sept. 1, 1971	30	.1	40	10	230	14	120	70	340	.7	3.0	0.10	803	140	1,420	7.8	76	8.6	--
415	Qtal 6	734-754	July 19, 1972	.5	--	16	5	83	--	109	60	49	.73	--	--	339	58	--	8.2	71	--	--
		818-838	do	.8	--	16	3	101	--	97	69	74	.75	--	--	361	50	--	8.2	84	--	--
		860-880	do	.6	--	16	3	111	--	86	65	99	.69	--	--	392	54	--	8.1	85	--	--
		940-960	do	.5	--	28	6	175	--	75	77	227	.71	--	--	605	94	--	8.0	84	--	--
		960	Aug. 23, 1972	.75	.08	21	4	75	--	112	42	54	1.71	--	--	335	66	--	8.8	75	--	--
		960	Aug. 25, 1972	.5	.04	18	5	78	--	110	60	45	.76	--	--	309	66	--	8.5	77	--	--
		960	June 2, 1975	--	--	21	4	--	--	142	52	51	--	--	--	69	520	--	7.9	--	--	--
501	Qtal 6	484-520	Mar. 11, 1953	1.9	.01	20	7.5	146	9.4	111	80	168	.6	3.5	.17	525	81	919	7.4	77	--	--
		879-899	Apr. 17, 1953	14	.01	911	135	2,440	--	51	1,370	4,730	.2	--	--	9,630	2,830	14,800	6.9	65	--	--
502	Qtal 6	378	Mar. 13, 1936	--	--	28	11	130	--	171	125	88	--	4.6	--	471	115	--	--	--	--	--
503	Qtal 6	440	July 7, 1976	28	--	55	13	152	--	118	74	252	.5	4.5	--	640	193	1,121	7.9	--	--	--
504	Qtal 6	318-337	July 20, 1967	32	--	17	2.1	159	7.2	134	147	102	1.6	.8	--	535	51	877	7.4	85	9.7	1.18
		438-468	do	31	--	44	12	199	8.8	130	128	260	.8	2.2	--	750	160	1,310	7.4	72	6.8	0
		500	May 23, 1973	17.5	.24	34	8.9	137	8.0	--	138	205	.7	.35	.10	667	128	900	8.2	--	--	--
		500	May 30, 1974	30.2	--	--	--	--	--	--	146	119	1.4	1.08	.23	587	125	953	7.8	--	--	--
		500	July 6, 1976	29	--	38	8	145	--	156	143	120	.7	5.3	--	570	127	920	--	--	--	--
507	Qtal 6	344	Nov. 12, 1957	36	.02	37	11	152	--	115	103	162	.6	3.8	--	560	138	969	--	71	--	--
601	Qtal 6	487	Aug. 1, 1966	29	.22	83	23	321	12	105	536	265	.8	2.2	.18	1,330	303	2,080	7.4	69	8.0	0
602	Qtal 6	--	July 7, 1976	30	--	94	18	355	--	109	570	280	.7	2.3	--	1,400	312	2,100	7.9	--	--	--
605	Qtal 6	463	July 6, 1976	29	--	100	21	354	--	100	560	301	.6	.4	--	1,420	335	2,140	7.3	--	--	--
606	Qtal 6	440	July 5, 1976	22	--	81	17	332	--	127	530	249	.7	.4	--	1,290	271	1,960	7.8	--	--	--
701	Qtal 6	514-541	Apr. 7, 1959	--	.02	18	7	--	--	--	54	37	.4	--	--	302	72	--	7.9	--	--	--
		597-624	do	--	.02	25	2	--	--	--	68	74	.1	--	--	372	72	--	7.6	--	--	--
		693-725	Apr. 9, 1959	--	.02	25	4	--	--	--	64	159	.2	--	--	459	82	--	7.6	--	--	--
		722	May 14, 1959	--	.02	16	4	--	--	--	--	51	.6	--	--	351	58	--	7.7	--	--	--
		722	May 15, 1959	--	.02	16	3	--	--	--	--	49	.6	--	--	362	56	--	6.8	--	--	--
		722	do	24	.03	18	4.7	91	7.7	162	62	47	.8	4.2	.08	340	64	557	7.8	73	--	--
		722	July 23, 1962	--	.03	19	11	--	--	--	118	60	.6	--	--	360	92	--	8.3	--	--	--
		722	May 15, 1964	--	.03	17	9	--	--	--	123	65	.5	--	--	350	80	--	8.4	--	--	--
		722	Sept. 8, 1967	--	.03	26	5	--	--	--	136	80	.4	--	--	426	86	--	8.2	--	--	--
		722	Dec. 12, 1968	--	.04	22	6	93	--	--	57	65	.6	.02	--	402	78	--	8.3	--	--	--
		722	July 3, 1969	--	.04	22	6	120	--	--	70	95	.5	--	--	476	81	--	8.1	--	--	--
		722	July 22, 1970	--	.08	24	6	124	--	--	61	115	.6	--	--	407	86	--	8.0	81	--	--
		722	July 9, 1971	--	.18	25	5	96	--	--	65	70	.8	--	--	337	84	--	8.1	76	--	--
		722	July 27, 1972	--	.05	23	7	100	--	--	61	78	.8	--	--	402	86	--	7.9	77	--	--
		722	Apr. 12, 1973	--	<.01	24	10	107	--	--	81	85	.5	--	--	418	100	--	8.4	76	--	--
702	Qal Rg	152-175	Aug. 2, 1955	16	.1	31	6	139	--	163	78	134	--	--	--	585	102	--	8.2	--	--	--
	Qtal 6	223-245	do	16	.07	35	8	155	--	134	60	200	--	--	--	628	120	--	8.2	--	--	--
		285-310	Aug. 3, 1955	18	.07	36	11	158	--	104	56	136	--	--	--	640	144	--	8.2	--	--	--
		370-395	Aug. 4, 1955	16	.05	71	11	266	--	90	36	490	--	--	--	1,032	223	--	8.1	--	--	--

See footnotes at end of table.

Table 7.--Chemical Analyses of Water From Selected Wells--Continued

Well	Aquifer	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)	
JL-49-14-702	Qtal 6	475-500	Aug. 4, 1955	14	0.05	192	24	660	--	68	63	1,120	--	--	--	2,204	579	--	7.9	--	--	--	
		575-595	Aug. 6, 1955	12	.05	259	21	899	--	51	81	1,530	--	--	--	2,871	734	--	7.8	--	--	--	
		655	Oct. 27, 1955	--	∧ .02	14	5	96	--	--	68	42.5	0.8	--	--	346	55	--	8.5	--	--	--	--
		655	June 29, 1956	34	--	15	4.2	93	--	155	65	42	.8	2.5	--	332	55	526	8.1	79	--	--	--
		655	Oct. 22, 1958	--	∧ .02	18	4	--	--	--	52	52	1.9	--	--	355	59	--	7.9	--	--	--	--
		655	Dec. 12, 1959	--	∧ .02	32	3	--	--	--	60	48	1.0	--	--	318	90	--	7.6	--	--	--	--
		655	Sept. 13, 1960	--	∧ .02	18	5	--	--	--	64	50	--	--	--	322	68	--	8.2	--	--	--	--
		655	Apr. 23, 1961	--	∧ .02	21	7	--	--	--	66	80	1.0	--	--	376	80	--	7.9	--	--	--	--
		655	Mar. 27, 1962	--	.03	19	5	--	--	--	59	65	1.3	--	--	371	68	--	8.1	--	--	--	--
		655	May 15, 1964	--	.02	19	6	--	--	--	66	75	.7	--	--	353	72	--	8.2	--	--	--	--
		655	Dec. 12, 1968	--	.06	19	5	101	--	--	69	65	.6	0	--	412	68	--	8.2	--	--	--	--
		655	July 3, 1969	--	.02	19	4	112	--	--	71	75	.4	--	--	436	64	--	8.2	--	--	--	--
		655	Aug. 26, 1970	--	.01	20	6	107	--	--	71	80	.7	--	--	357	74	--	8.4	80	--	--	--
		655	May 28, 1971	--	.30	20	5	99	4.1	--	78	53	.7	--	--	331	67	--	8.1	80	--	--	--
655	Apr. 23, 1972	--	.01	18	5	121	--	--	83	83	.6	--	--	379	68	--	7.6	84	--	--	--		
655	Apr. 5, 1973	--	.01	19	6	98	--	--	85	64	.5	--	--	406	72	--	8.2	80	--	--	--		
703	Qtal 6	762	May 18, 1956	--	--	16	5	97	--	--	65	54	.7	--	--	350	61	--	8.5	--	--	--	
		762	July 23, 1962	--	∧ .03	17	13	--	--	87	60	1.0	--	--	375	95	--	8.0	--	--	--	--	
		762	June 14, 1964	--	.03	16	12	--	--	99	55	.9	--	--	344	89	--	7.9	--	--	--	--	
		762	Aug. 1, 1966	31	.00	22	5.4	94	7.1	153	70	66	.8	2.5	0.11	375	78	614	7.5	70	4.6	0.96	
762	Sept. 8, 1967	--	.016	24	7	--	--	64	55	.9	--	--	362	88	--	7.9	--	--	--	--			
704	Qtal 6	610	Oct. 13, 1954	--	∧ .1	12	6	115	--	--	72	47	.8	--	--	353	55	--	8.4	--	--	--	
		610	July 2, 1956	34	--	14	4.0	96	--	159	65	41	1.8	2.5	--	336	52	531	7.9	80	--	--	
		610	Oct. 22, 1958	--	.02	22	5	--	--	--	62	110	.7	--	--	454	77	--	7.9	--	--	--	
		610	Dec. 12, 1959	--	.02	20	1	--	--	--	65	43	.5	--	--	355	88	--	7.9	--	--	--	
		610	Sept. 13, 1960	--	.02	14	0	--	--	--	65	47	.8	--	--	386	42	--	8.5	--	--	--	
		610	Apr. 5, 1961	--	.02	22	6	--	--	--	57	130	1.2	--	--	443	76	--	8.3	--	--	--	
		610	Apr. 5, 1962	--	.03	21	6	--	--	--	62	110	1.1	--	--	436	78	--	7.9	--	--	--	
		610	Aug. 21, 1963	--	.04	25	6	--	--	--	71	85	.8	--	--	436	87	--	8.5	--	--	--	
		610	May 15, 1964	--	.04	25	5	--	--	--	76	80	.8	--	--	436	86	--	8.4	--	--	--	
		610	July 27, 1965	--	.07	20	5	--	--	--	75	85	.7	--	--	441	70	--	8.4	--	--	--	
		610	Aug. 1, 1966	30	.02	22	4.6	116	5.9	146	73	102	.8	1.5	.08	429	74	725	7.5	75	5.9	.90	
		610	Aug. 1, 1967	--	.01	22	4	--	--	--	87	110	.7	--	--	473	72	--	8.4	--	--	--	
		610	Sept. 8, 1967	--	.01	22	4	--	--	--	87	110	.7	--	--	473	72	--	8.3	--	--	--	
		610	July 21, 1970	--	--	18	5	100	--	--	69	65	.6	--	--	329	64	--	8.1	81	--	--	
610	May 27, 1971	--	.03	22	3.9	118	--	--	73	96	.6	--	--	382	70	--	8.1	82	--	--			
610	July 27, 1972	--	∧ .01	22	6	161	--	--	88	156	.8	--	--	444	82	--	7.9	85	--	--			
610	May 25, 1973	--	∧ .02	15	6	124	--	--	92	79	.2	--	--	412	72	--	8.3	86	--	--			
705	Qtal 6	369-389	Oct. 31, 1956	--	--	--	--	--	--	165	--	52	--	--	--	71	577	8.8	--	--	--		
		580-600	Nov. 2, 1956	--	--	--	--	--	--	147	--	40	--	--	--	--	52	515	8.5	--	--	--	
		743-763	Nov. 5, 1956	--	--	--	--	--	--	96	--	355	--	--	--	--	149	1,450	8.1	--	--	--	
		590	Nov. 5, 1958	--	∧ .02	19	7	--	--	--	60	56	2.0	--	--	359	78	--	8.0	--	--	--	
		590	Dec. 12, 1959	--	.02	22	7	--	--	--	68	53	1.8	--	--	337	82	--	7.6	--	--	--	
		590	Apr. 23, 1961	--	.02	20	5	--	--	--	63	85	1.8	--	--	380	70	--	8.4	--	--	--	
		590	Aug. 27, 1962	--	.02	21	9	--	--	--	74	90	1.6	--	--	421	84	--	8.0	--	--	--	
		590	Feb. 4, 1963	--	.02	18	6	--	--	--	70	85	1.1	--	--	394	72	--	8.1	--	--	--	
		590	Mar. 1, 1967	--	.02	24	6	--	--	--	--	75	1.0	--	--	373	72	--	8.8	--	--	--	
		590	Dec. 12, 1968	--	.05	20	5	97	--	--	69	60	.6	.01	--	404	72	--	8.3	--	--	--	
		590	July 3, 1969	--	.04	22	6	107	--	--	75	75	.5	--	--	440	78	--	8.2	--	--	--	
		590	Aug. 26, 1970	--	.08	21	7	102	--	--	73	75	.7	--	--	351	82	--	8.3	78	--	--	
		590	July 9, 1971	--	.02	24	3.1	98	--	--	63	70	.8	--	--	332	74	--	8.1	78	--	--	
		590	Apr. 9, 1972	--	∧ .01	21	6	111	--	--	73	83	.7	--	--	399	76	--	7.8	80	--	--	
590	Apr. 5, 1973	--	∧ .01	22	7	100	--	--	63	79	.6	--	--	425	74	--	8.2	78	--	--			
706	Qtal 6	498-523	Dec. 15, 1960	--	--	10	7	--	--	--	84	90	<.4	--	--	525	52	--	9.1	--	--		
		588-613	Dec. 16, 1960	--	--	23	5	--	--	--	111	230	.4	--	--	762	80	--	9.7	--	--		
		680-705	do	--	--	52	7	--	--	--	119	495	.5	--	--	1,225	170	--	9.7	--	--		
	635	Jan. 24, 1961	30	0	20	5.3	114	7.8	139	59	106	.7	2.8	.11	414	72	698	7.5	75	5.8	--		
	635	Jan. 26, 1961	--	∧ .02	18	7	--	--	--	98	116	.4	--	--	446	72	--	8.0	--	--			
	635	May 15, 1964	--	.03	16	8	--	--	--	102	120	.4	--	--	416	73	--	8.1	--	--			
Qtal 6	618	Sept. 10, 1966	29	.02	21	5.9	123	7.6	140	61	122	.8	1.8	--	441	77	764	7.4	76	6.1	.75		

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)		
JL-49-14-706	Qtal 6	618	Sept. 8, 1967	--	0.02	22	6	--	--	--	114	130	0.3	--	--	427	80	--	8.3	--	--	--		
		618	Jan. 22, 1969	--	0	24	7	125	--	--	--	58	135	.6	--	--	484	90	--	8.2	--	--	--	
		618	July 2, 1969	--	.04	22	7	132	--	--	--	58	140	1.0	--	--	496	84	--	8.2	--	--	--	
		618	Aug. 14, 1969	30	--	22	6.4	127	7.5	136	--	58	134	.7	1.6	0.10	454	82	780	7.5	75	6.1	0.60	
		618	July 22, 1970	--	0	24	9	112	--	--	--	54	125	.5	--	--	390	88	--	8.0	77	--	--	
		618	July 9, 1971	--	.04	26	5	127	--	--	--	49	145	.7	--	--	416	86	--	8.1	80	--	--	
		618	May 27, 1972	--	.04	24	6	126	--	--	68	143	.5	--	--	488	86	--	8.2	81	--	--		
707	Qtal 6	485-510	Apr. 18, 1961	--	<.02	10	6	--	--	145	70	40	.6	--	--	360	50	--	8.9	--	--	--		
		645-670	do	--	<.02	8	3	--	--	137	94	50	.6	--	--	339	33	--	9.2	--	--	--		
		776-801	do	--	<.02	16	2	--	--	133	109	115	.7	--	--	405	49	--	9.0	--	--	--		
		747	July 27, 1965	--	.02	16	5	--	--	--	43	45	.4	--	--	311	60	--	8.3	--	--	--		
		747	June 22, 1966	--	.03	20	3	--	--	--	74	40	.3	--	--	323	64	--	8.1	--	--	--		
		747	Feb. 23, 1967	--	.01	17	8	--	--	--	73	55	1.3	--	--	324	76	--	--	--	--	--		
		747	Dec. 12, 1968	--	.03	43	5	50	--	--	--	63	30	.6	.01	--	347	62	--	8.4	--	--	--	
		747	July 3, 1969	--	.03	18	6	104	--	--	--	75	60	.5	--	--	424	68	--	8.2	--	--	--	
		747	Aug. 28, 1970	--	.02	16	6	84	--	--	--	65	40	.6	--	--	285	66	--	8.3	79	--	--	
		747	Sept. 2, 1971	--	<.01	17	5	86	--	--	--	71	36	.7	--	--	291	62	--	8.2	80	--	--	
		747	July 27, 1972	--	.04	18	5	95	--	--	--	86	39	.7	--	--	340	64	--	7.9	81	--	--	
		708	Qtal 6	750	May 25, 1962	32	.10	22	6.3	116	--	156	78	85	.8	2.5	--	420	81	694	7.3	76	5.6	--
709	Qtal 6	814	Jan. 3, 1967	--	.004	23	5	--	--	--	78	145	.1	--	--	482	80	--	8.1	--	--	--		
		814	July 17, 1969	--	.02	16	6	94	--	--	65	60	.5	--	--	383	64	--	8.2	--	--	--		
		814	Aug. 28, 1970	--	.01	19	4	97	--	--	60	70	.5	--	--	318	66	--	8.3	81	--	--		
		814	Sept. 8, 1971	--	>.02	22	2	98	--	--	61	67	.7	--	--	321	64	--	8.2	80	--	--		
		814	Apr. 10, 1972	--	.03	19	4	81	--	--	46	55	.1	--	--	380	64	--	8.2	79	--	--		
		814	Apr. 30, 1973	--	<.02	20	4.8	88	--	--	38	74	.3	--	--	369	71	--	8.0	78	--	--		
710	Qtal 6	555	Oct. 13, 1954	--	<.1	16	7	146	--	--	80	107	1.0	--	--	430	69	--	8.4	--	--	--		
		555	June 29, 1956	34	--	18	4.6	130	--	--	152	71	102	1.0	--	--	444	64	727	8.0	82	--	--	
		555	Apr. 5, 1962	--	.02	20	8	--	--	--	77	130	1.1	--	--	469	80	--	8.0	--	--	--		
		555	Jan. 11, 1963	--	.007	19	7	--	--	--	73	123	.6	--	--	505	78	--	8.4	--	--	--		
		555	July 27, 1965	--	.01	20	5	--	--	--	75	130	.5	--	--	468	70	--	8.3	--	--	--		
		555	June 22, 1966	--	.02	20	5	--	--	--	88	110	.3	--	--	478	72	--	8.1	--	--	--		
		555	Aug. 1, 1966	30	.03	18	4.9	131	6.1	156	71	109	.9	2.8	.09	--	451	66	768	7.7	79	7.0	1.25	
		555	Aug. 10, 1967	--	.013	26	1	--	--	--	83	105	.7	--	--	443	70	--	8.3	--	--	--		
		711	Qtal 6	490	June 10, 1952	34	--	12	2.9	103	--	153	76	39	2.4	.2	--	375	42	553	7.8	84	--	--
				490	Oct. 13, 1954	--	.2	16	7	142	--	--	74	106	1.0	--	--	485	69	--	8.4	--	--	--
		490	July 13, 1956	--	--	--	--	--	--	150	--	54	--	--	--	49	575	--	8.2	--	--	--		
713	Qtal 6	562	Aug. 4, 1966	31	.23	91	22	183	12	175	236	242	.6	18	--	924	320	1,530	7.3	54	4.4	--		
714	Qtal 6	650	Aug. 1967	--	.01	34	6	--	--	--	238	460	1.1	--	--	1,038	110	--	8.3	--	--	--		
		650	Aug. 8, 1967	28	--	34	7.8	316	7.9	124	87	448	1.3	.5	--	992	117	1,820	7.5	84	13	0		
		650	Sept. 12, 1967	29	.02	20	5.4	139	6.9	141	58	144	1.3	.8	.08	475	72	810	7.1	79	7.1	.87		
		650	Sept. 19, 1967	--	.01	17	5	--	--	--	73	145	.3	--	--	504	64	--	8.2	--	--	--		
		650	do	--	.01	24	4	--	--	--	72	150	.1	--	--	473	76	--	8.3	--	--	--		
		650	July 2, 1969	--	.02	20	9	142	--	--	69	150	.7	--	--	528	86	--	8.3	--	--	--		
		650	Aug. 28, 1970	--	.11	25	6	94	--	--	54	190	1.2	--	--	435	88	--	8.3	75	--	--		
		650	June 14, 1971	--	.07	26	5.3	152	--	--	58	179	.6	--	--	484	86	--	8.4	--	--	--		
		650	July 27, 1972	--	.04	24	7	77	--	--	51	181	.8	--	--	527	90	--	7.8	71	--	--		
				650	Apr. 21, 1973	--	<.01	25	5	159	--	--	74	187	.5	--	--	552	83	--	8.4	84	--	--
715	Qtal 6	415-440	Feb. 6, 1969	--	.04	19	3	118	--	--	88	65	.5	--	--	456	66	--	8.1	84	--	--		
		680	Mar. 3, 1969	--	--	17	4.4	--	--	168	79	74	--	--	--	60	680	--	8.0	--	1.54	--		
		680	Mar. 13, 1969	--	.03	24	3	104	--	--	67	70	1.1	--	--	427	72	--	8.1	79	--	--		
		680	Oct. 10, 1969	--	.03	23	7	96	--	--	60	70	1.2	1.95	--	421	86	--	8.0	76	--	--		
		680	Aug. 28, 1970	--	.01	22	6	104	--	--	60	80	.5	--	--	351	80	--	8.4	79	--	--		
		680	July 10, 1971	--	.04	24	5	102	--	--	65	76	.6	--	--	348	80	--	8.1	78	--	--		
		680	July 10, 1971	--	.04	24	5	102	--	--	71	68	.7	--	--	428	80	--	8.0	79	--	--		
		680	July 27, 1972	--	.01	22	6	103	--	--	71	68	.7	--	--	428	80	--	8.0	79	--	--		
		680	Apr. 21, 1973	--	.01	23	6	97	--	--	65	66	.4	--	--	418	82	--	8.5	77	--	--		

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)		
JL-49-14-716	Qta1 6	453-478	ly Sept. 20, 1969	--	0.08	19	6	142	--	--	63	140	0.2	--	--	513	72	--	8.4	85	--	--		
			ly Oct. 16, 1969	--	.02	27	5	157	--	--	44	195	3.3	1.3	--	--	560	86	--	8.2	83	--	--	
			ly July 9, 1971	--	.1	26	4	199	--	--	49	185	.7	--	--	--	523	83	--	8.2	87	--	--	
			ly July 27, 1972	--	.03	24	7	164	--	--	60	196	.8	--	--	--	551	88	--	7.9	84	--	--	
			ly Apr. 21, 1973	--	<.02	26	6	163	--	--	59	195	.4	--	--	--	580	92	--	8.3	84	--	--	
717	Qta1 6	501-526	ly Oct. 16, 1969	--	.02	27	5	157	--	--	44	195	3.3	1.3	--	560	86	--	8.2	83	--	--		
			ly Oct. 17, 1969	--	.07	38	5	199	--	--	67	270	.6	--	--	--	700	114	--	8.8	59	--	--	
			ly Dec. 15, 1969	--	.07	51	9	282	--	--	83	420	.8	--	--	--	966	164	--	8.1	82	--	--	
			ly May 14, 1970	15	.7	56	14	362	--	--	93	530	.7	--	--	--	1,109	199	--	7.9	84	--	--	
			ly Aug. 28, 1970	--	.04	49	13	293	--	--	71	460	.5	--	--	--	941	176	--	8.3	83	--	--	
			ly Sept. 23, 1970	--	.06	46	15	399	--	--	96	605	.6	--	--	--	1,217	174	--	7.7	87	--	--	
			ly July 9, 1971	--	.04	52	13	303	--	--	81	475	.7	--	--	--	977	184	--	8.1	82	--	--	
718	Qta1 6	513-538	ly Apr. 3, 1969	--	--	16	3.9	110	--	--	63	75	.4	3.3	--	424	56	--	8.5	85	--	--		
			ly Aug. 28, 1970	--	.07	18	6	123	--	--	67	105	.7	--	--	--	392	70	--	8.4	84	--	--	
			ly Aug. 28, 1971	--	.18	18	4	120	--	--	70	91	.7	--	--	--	377	63	--	8.0	85	--	--	
			ly July 27, 1972	.7	.01	18	5	114	--	--	71	83	.8	--	--	--	427	66	--	8.0	83	--	--	
			ly Apr. 27, 1973	--	.01	18	5	114	--	--	72	82	.5	--	--	--	418	68	--	8.5	83	--	--	
801	Qta1 6	350	ly Apr. 22, 1936	--	.48	54	17	488	--	202	179	648	--	.8	--	1,490	205	--	--	--	--	--		
			ly Aug. 8, 1967	28	--	34	7.8	316	7.9	124	87	448	1.3	.5	--	992	117	1,820	7.5	84	13.0	0		
			ly Sept. 12, 1967	29	.02	20	5.4	139	6.9	141	58	144	1.3	.8	--	475	72	810	7.1	79	7.1	8.7		
15-301	Qta1 6	558	ly July 7, 1976	19	--	56	16	405	--	221	264	461	2.7	23.0	--	1,370	206	2,240	7.7	--	--	--		
401	Qta1 6	600	ly Mar. 25, 1952	31	--	79	29	489	--	120	685	410	.8	2.0	0.22	1,780	316	2,790	8.2	77	--	--		
			ly Nov. 8, 1971	28	.1	224	120	681	--	--	1,103	419	2.32	--	--	--	2,454	344	2,670	7.4	--	--	--	
402	Qta1 6	394	ly Oct. 6, 1958	31	.2	158	74	474	--	128	759	260	.2	--	--	1,760	232	--	8.0	--	--	--		
			ly Oct. 10, 1958	23	.2	172	94	552	--	110	878	327	.2	--	--	--	1,980	266	--	7.9	--	--	--	
			ly Nov. 6, 1958	22	.89	220	100	600	--	159	917	383	.9	--	--	--	2,190	320	--	7.8	--	--	--	
404	Qta1 6	490-510	ly Mar. 16, 1973	29	.25	240	140	672	--	--	--	--	.82	--	--	2,431	--	3,178	8.1	--	--	--		
			ly do	25.6	.05	168	68	460	--	--	--	--	.76	--	--	--	1,620	--	2,426	7.7	--	--	--	
			ly Mar. 27, 1973	27.6	.16	240	140	626	--	--	1,025	426	1.0	--	--	--	2,350	398	3,000	8.1	--	--	--	
			ly Apr. 20, 1973	33	.09	248	152	568	--	--	825	476	1.54	--	--	--	2,163	400	2,975	7.6	--	--	--	
			ly June 18, 1973	31.2	.11	264	148	610	--	--	875	520	1.7	--	--	--	2,297	412	3,145	7.6	--	--	--	
406	Qta1 6	440	ly July 5, 1976	28	--	136	24	580	--	123	950	462	.8	<.4	--	2,240	440	3,140	7.6	--	--	--		
			ly do	29	--	82	16	381	--	128	580	288	.8	4.6	--	--	1,450	271	2,150	7.7	--	--	--	
407	Qta1 6	400	ly July 6, 1976	30	--	133	26	580	--	127	860	496	.8	3.2	--	2,190	438	3,200	7.7	--	--	--		
501	Qta1 6	450	ly July 5, 1976	31	--	23	5	253	--	216	219	151	1.6	10.0	--	800	77	1,250	7.5	--	--	--		
503	Qta1 6	--	ly July 7, 1976	32	--	48	9	334	--	157	282	314	1.1	6.0	--	1,100	155	1,810	7.3	--	--	--		
504	Qta1 6	417	ly July 5, 1976	30	--	83	19	471	--	110	315	610	1.0	10.0	--	1,590	284	2,600	7.5	--	--	--		
701	Qta1 6	596	ly June 17, 1953	33	.04	96	35	550	--	124	940	350	1.3	2.2	--	2,070	384	2,950	7.8	76	--	--		
			ly Mar. 1, 1958	33	--	216	132	--	--	--	--	345	--	--	--	--	2,400	348	2,650	7.8	--	--	--	
			ly May 1, 1958	35	--	228	133	--	--	--	--	348	--	--	--	--	--	--	--	7.5	--	--	--	
			ly July 1, 1958	--	--	228	132	--	--	--	--	366	--	--	--	--	--	--	--	7.3	--	--	--	
			ly Sept. 1, 1958	--	--	228	132	--	--	--	--	366	--	--	--	--	--	--	--	7.5	--	--	--	
			ly Nov. 1, 1958	38	.62	224	124	--	--	--	--	1,144	348	--	--	--	--	--	--	2,790	7.7	--	--	--
			ly Jan. 2, 1959	31	.625	218	114	--	--	--	--	1,054	355	--	--	--	--	2,217	330	2,850	7.2	--	--	--
			ly Mar. 1, 1959	--	--	224	--	--	--	--	--	--	348	--	--	--	--	--	--	--	7.5	--	--	--
			ly May 1, 1959	--	--	--	--	--	--	--	--	--	345	--	--	--	--	--	--	--	7.0	--	--	--
			ly Aug. 13, 1959	--	--	247	137	--	--	--	--	--	331	--	--	--	--	--	--	2,600	7.8	--	--	--
			ly Nov. 1, 1959	28	.08	232	146	--	--	--	--	--	1,060	356	--	--	--	--	2,310	348	7.7	--	--	--

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)		
JL-49-15-701	Qtal 6	596	Jan. 4, 1960	29	0.02	224	146	--	--	--	1,060	--	--	--	--	2,310	340	2,750	7.8	--	--	--		
		596	Mar. 1, 1960	27	.04	--	142	--	--	--	1,023	362	--	--	--	--	2,270	374	2,750	7.6	--	--	--	
		596	Feb. 15, 1964	--	--	220	--	--	--	--	--	355	--	--	--	--	--	352	3,115	7.8	--	--	--	
		596	Jan. 15, 1965	--	--	182	--	--	--	--	--	359	--	--	--	--	--	284	2,995	7.5	--	--	--	
		596	Apr. 15, 1965	--	--	228	--	--	--	--	--	355	--	--	--	--	--	376	--	7.7	--	--	--	
		596	Aug. 15, 1965	27	--	232	140	--	--	--	--	850	362	--	--	--	2,208	372	3,099	7.5	--	--	--	
		596	Nov. 15, 1965	--	--	222	--	--	--	--	--	--	376	--	--	--	--	360	3,204	7.2	--	--	--	
		596	Feb. 14, 1966	--	--	210	--	--	--	--	--	--	366	--	--	--	--	348	3,133	7.3	--	--	--	
		596	May 15, 1966	--	--	232	--	--	--	--	--	--	348	--	--	--	--	374	3,204	7.4	--	--	--	
		596	July 14, 1966	--	--	224	--	--	--	--	--	--	369	--	--	--	--	368	3,377	7.7	--	--	--	
		596	Aug. 25, 1966	27	--	230	146	--	--	--	--	925	341	--	--	--	2,061	376	2,418	7.3	--	--	--	
		596	Nov. 18, 1966	--	--	236	--	--	--	--	--	--	341	--	--	--	--	380	3,000	7.6	--	--	--	
		596	Feb. 15, 1967	--	--	224	--	--	--	--	--	--	345	--	--	--	--	360	3,103	7.6	--	--	--	
		596	May 14, 1967	36	--	230	--	--	--	--	--	925	352	1.15	--	--	--	372	2,951	7.2	--	--	--	
		596	Aug. 15, 1967	34	--	234	140	--	--	--	--	1,038	359	1.15	--	--	2,497	374	3,147	7.9	--	--	--	
		596	Feb. 15, 1968	--	--	240	--	--	--	--	--	--	350	--	--	--	1,872	360	3,129	7.1	--	--	--	
		596	May 15, 1969	--	--	240	--	--	--	--	--	--	352	--	--	--	--	372	2,931	7.7	--	--	--	
		596	Aug. 25, 1969	33	--	236	128	--	--	--	--	900	359	.12	--	--	--	360	2,931	7.3	--	--	--	
		596	Aug. 25, 1969	33	--	236	128	--	--	--	--	900	359	.12	--	--	--	361	3,044	8.0	--	--	--	
		702	Qtal 6	638	Mar. 1, 1958	33	4.29	228	114	--	--	--	985	423	--	--	--	2,210	342	2,780	7.9	--	--	--
638	May 1, 1958			33	--	--	114	--	--	--	--	--	437	--	--	--	--	--	--	7.4	--	--	--	
638	July 1, 1958			--	--	230	136	--	--	--	--	--	391	--	--	--	--	--	--	7.3	--	--	--	
638	Sept. 1, 1958			38	--	256	104	--	--	--	--	1,170	369	--	--	--	--	360	--	7.5	--	--	--	
638	Jan. 1, 1959			35	1.30	214	92	--	--	--	--	816	490	--	--	--	2,151	306	2,775	7.4	--	--	--	
638	Mar. 1, 1959			--	--	232	--	--	--	--	--	--	412	--	--	--	--	358	--	7.7	--	--	--	
638	May 1, 1959			--	--	--	--	--	--	--	--	--	366	--	--	--	--	398	--	7.1	--	--	--	
638	Nov. 1, 1959			--	.05	282	130	--	--	--	--	960	406	--	--	--	2,020	365	2,705	7.8	--	--	--	
638	May 1, 1960			39	.04	240	124	--	--	--	--	900	440	--	--	--	2,200	364	2,750	7.6	--	--	--	
638	May 15, 1961			--	--	245	140	--	--	--	--	--	375	--	--	--	--	380	3,000	--	--	--	--	
638	Nov. 15, 1962			--	--	210	134	--	--	--	--	--	487	--	--	--	1,950	314	2,750	7.7	--	--	--	
638	Mar. 11, 1963			--	--	234	155	--	--	--	--	--	483	--	--	--	--	370	2,827	7.6	--	--	--	
638	Dec. 15, 1963			33	--	233	112	--	--	--	--	1,000	440	--	--	--	2,224	345	2,927	7.6	--	--	--	
638	Feb. 15, 1964			--	--	204	84	--	--	--	--	--	--	--	--	--	--	288	2,930	7.3	--	--	--	
638	Nov. 25, 1964			--	--	214	--	--	--	--	--	--	511	--	--	--	--	310	3,055	7.2	--	--	--	
638	Feb. 15, 1965			--	--	208	--	--	--	--	--	--	561	--	--	--	--	298	2,985	7.5	--	--	--	
638	Mar. 15, 1965			--	--	232	--	--	--	--	--	--	473	--	--	--	--	324	3,133	7.5	--	--	--	
638	Aug. 15, 1965			30	--	238	138	--	--	--	--	875	373	--	--	--	1,977	376	3,104	7.6	--	--	--	
638	Nov. 15, 1965			--	--	228	--	--	--	--	--	--	369	--	--	--	--	374	3,204	7.4	--	--	--	
638	Feb. 14, 1966			--	--	202	--	--	--	--	--	--	533	--	--	--	--	302	3,049	7.3	--	--	--	
638	May 15, 1966			--	--	232	--	--	--	--	--	--	440	--	--	--	--	346	3,091	7.3	--	--	--	
638	July 14, 1966			--	--	232	--	--	--	--	--	--	369	--	--	--	--	372	3,077	7.7	--	--	--	
638	Aug. 15, 1966			26	--	230	104	--	--	--	--	700	444	--	--	--	1,626	334	2,375	7.2	--	--	--	
638	Nov. 18, 1966			--	--	216	--	--	--	--	--	--	458	--	--	--	--	336	2,930	7.6	--	--	--	
638	Feb. 15, 1967			--	--	206	--	--	--	--	--	--	529	--	--	--	--	304	3,005	7.5	--	--	--	
638	May 14, 1967			37	--	226	--	--	--	--	--	850	383	1.3	--	--	--	368	2,940	7.5	--	--	--	
638	May 15, 1968			--	--	240	--	--	--	--	--	--	395	--	--	--	--	360	3,080	7.5	--	--	--	
638	Aug. 15, 1968			--	--	240	94	--	--	--	--	550	464	1.0	--	--	1,691	334	2,113	7.9	--	--	--	
638	Nov. 14, 1968			--	--	230	--	--	--	--	--	--	413	--	--	--	--	315	2,911	7.5	--	--	--	
638	Feb. 14, 1969			--	--	240	--	--	--	--	--	--	426	--	--	--	--	340	2,931	7.7	--	--	--	
638	May 15, 1969			--	--	236	--	--	--	--	--	--	355	--	--	--	--	360	2,931	7.5	--	--	--	
638	June 1969			33	.05	240	130	--	--	--	--	775	362	1.63	--	--	1,901	370	2,967	7.4	--	--	--	
638	July 23, 1969			35	--	233	128	--	--	--	--	950	316	1.4	--	--	2,173	360	2,734	7.7	--	--	--	
638	Aug. 15, 1969			35	--	242	128	--	--	--	--	855	369	.81	--	--	2,013	370	2,844	7.9	--	--	--	
638	Oct. 1, 1969			--	--	240	--	--	--	--	--	--	369	--	--	--	--	360	3,032	7.2	--	--	--	
638	May 15, 1971			--	--	242	--	--	--	--	--	--	376	--	--	--	--	360	2,868	7.5	--	--	--	
802	Qtal 6			640	June 19, 1972	22	0	16	12	--	--	--	102	192	1.7	--	--	657	28	1,035	8.5	--	--	--
				640	July 14, 1972	22	0	20	12	--	--	--	62	160	1.9	--	--	544	32	890	8.3	--	--	--
				640	Aug. 5, 1972	29	.2	80	17	--	--	--	75	192	1.0	--	--	844	97	1,065	7.4	--	--	--
				640	Aug. 15, 1972	25	0	18	8	--	--	--	60	128	1.65	--	--	490	26	802	8.5	--	--	--
				640	Feb. 28, 1973	--	--	20	--	--	--	--	--	163	--	--	--	--	36	870	8.1	--	--	--
		640	May 15, 1973	--	--	14	--	--	--	--	--	142	--	--	--	--	24	786	7.8	--	--	--		
		640	Aug. 15, 1973	27	.09	12	16	--	--	--	--	79	122	1.72	--	--	520	28	786	8.6	--	--	--	

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)	
JL-49-15-803	Qtal 6	415	ny July 3, 1968	17	--	47	8	--	--	--	135	142	1.5	--	--	635	55	1,092	8.1	--	--	--	
		415	ny July 25, 1968	--	--	180	20	--	--	--	450	183	--	--	--	1,616	--	2,467	7.9	--	--	--	
		415	ny Aug. 12, 1968	--	--	120	30	--	--	--	290	469	1.1	--	--	1,277	150	1,980	7.8	--	--	--	
		415	ny Sept. 30, 1968	23	0.2	22	2	--	--	--	100	54	1.97	--	--	--	436	24	610	7.8	--	--	--
		415	ny Oct. 1, 1968	20	.66	20	2	--	--	--	98	64	1.7	--	--	--	482	22	616	7.8	--	--	--
		552	ny Feb. 15, 1971	--	--	18	--	--	--	--	--	57	--	--	--	--	--	18	606	8.1	--	--	--
		552	ny Aug. 16, 1971	18	.36	20	8	--	--	--	--	150	66	1.68	--	--	547	28	685	8.5	--	--	--
		552	ny Nov. 15, 1971	--	--	12	--	--	--	--	--	57	--	--	--	--	--	20	755	8.5	--	--	--
		552	ny Mar. 1, 1972	--	--	12	--	--	--	--	--	57	--	--	--	--	--	18	625	8.6	--	--	--
		552	ny May 15, 1972	--	--	8	--	--	--	--	--	50	--	--	--	--	--	18	600	8.7	--	--	--
		552	ny Aug. 17, 1972	19	.2	12	8	--	--	--	--	73	56	1.42	--	--	401	20	620	8.7	--	--	--
		552	ny Nov. 15, 1972	--	--	12	--	--	--	--	--	54	--	--	--	--	--	18	625	8.6	--	--	--
901	Qtal 6	440	sl Aug. 20, 1935	--	--	--	--	--	--	141	44	--	--	--	--	--	5	--	--	--	--	--	
		440	sl Apr. 10, 1936	--	.40	7.5	2.3	74	--	60	80	40	--	1.0	--	--	234	28	--	--	--	--	
		440	sl Mar. 18, 1954	19	.88	4.6	1.5	128	--	146	77	60	1.8	3.5	--	--	372	18	633	8.2	94	--	--
21-101	Qal Rg	52	sl Sept. 14, 1967	23	--	94	20	189	8.6	332	268	141	.8	.2	--	908	317	1,410	7.7	56	4.6	0	
		52	sl Sept. 18, 1967	--	--	96	17	--	--	--	259	145	.03	--	--	903	308	--	7.9	--	--	--	
		52	sl Sept. 19, 1967	--	.01	100	15	--	--	--	265	148	.04	--	--	935	310	--	8.1	--	--	--	
102	Qal Rg	52	sl July 21, 1967	--	--	--	--	--	--	252	660	450	--	--	--	785	2,830	7.6	--	--	0		
103	Qtal 6	398	sl Aug. 23, 1935	--	--	--	--	--	--	145	--	64	--	--	--	189	--	--	--	--	--		
301	Qtal 6	248-268	sl July 11, 1957	--	--	158	48	--	--	--	382	1,160	1.6	--	--	2,640	592	--	8.0	--	--	--	
		383-403	do	--	--	52	17	--	--	--	92	304	1.4	--	--	--	760	202	--	8.0	--	--	--
		480-500	sl July 12, 1957	--	--	22	17	--	--	--	84	125	1.5	--	--	--	503	92	--	8.2	--	--	--
		571-591	do	--	--	20	11	--	--	--	72	163	1.6	--	--	--	526	76	--	8.3	--	--	--
		649-669	sl July 13, 1957	--	--	21	1	--	--	--	68	165	1.5	--	--	--	536	58	--	8.2	--	--	--
		767-787	do	--	--	63	8	--	--	--	104	514	1.6	--	--	--	1,100	190	--	8.1	--	--	--
		692	sl Oct. 13, 1958	--	<.02	25	9	--	--	--	54	160	.7	--	--	--	545	98	--	8.2	--	--	--
		692	sl Dec. 12, 1959	--	.02	32	10	--	--	--	74	115	1.0	--	--	--	547	122	--	7.9	--	--	--
		692	sl Sept. 13, 1960	--	<.02	28	6	--	--	--	74	160	--	--	--	--	536	94	--	8.2	--	--	--
		692	sl Apr. 23, 1961	--	.02	30	9	--	--	--	84	120	1.0	--	--	--	535	108	--	8.1	--	--	--
		692	sl July 23, 1962	--	.02	25	10	--	--	--	80	190	.7	--	--	--	544	104	--	8.3	--	--	--
		692	sl May 15, 1964	--	.03	26	8	--	--	--	83	175	.6	--	--	--	483	98	--	8.3	--	--	--
		692	sl July 27, 1965	--	.03	26	7	--	--	--	70	175	.7	--	--	--	472	94	--	8.2	--	--	--
		692	sl Aug. 1, 1966	--	.06	26	7.1	153	5.3	161	68	165	.9	0	0.05	535	95	942	7.7	77	6.8	.74	
		692	sl Feb. 4, 1967	--	.03	66	13	--	--	--	91	285	.6	--	--	--	728	216	--	--	--	--	--
		692	sl Jan. 22, 1969	--	--	38	17	178	--	--	90	235	.5	--	--	--	713	168	--	8.0	--	--	--
		692	sl July 2, 1969	--	.01	26	10	155	--	--	78	160	.6	--	--	--	595	105	--	8.4	--	--	--
692	sl July 13, 1972	--	<.01	38	12	167	--	--	71	217	.8	--	--	--	650	146	--	8.1	77	--	--		
305	Qtal 6	283-303	sl Oct. 10, 1956	--	--	--	--	--	--	121	--	980	--	--	--	--	800	3,350	7.9	--	--	--	
		372-392	do	--	--	--	--	--	--	151	--	239	--	--	--	--	131	1,110	8.2	--	--	--	
		494-514	sl Oct. 11, 1956	--	--	--	--	--	--	157	--	178	--	--	--	--	78	960	8.0	--	--	--	
		555-575	do	--	--	--	--	--	--	98	--	362	--	--	--	--	162	1,410	7.9	--	--	--	
		656-676	sl Oct. 12, 1956	--	--	--	--	--	--	73	--	580	--	--	--	--	252	2,130	7.8	--	--	--	
306	Qal Rg	52	sl July 20, 1967	--	--	--	--	--	--	368	202	166	--	--	--	352	1,450	7.7	--	--	0		
22-102	Qtal 6	210-230	sl Dec. 3, 1956	30	--	14	2.9	112	--	162	62	64	.6	2.5	--	368	47	592	8.2	84	--	--	
		280-300	sl Dec. 4, 1956	30	--	11	3.3	161	--	143	72	140	1.0	0	--	488	41	814	8.1	90	--	--	
		394-414	do	36	--	58	14	460	--	109	149	775	1.0	1.5	--	1,550	202	2,850	7.9	83	--	--	
		475-495	sl Dec. 5, 1956	30	--	154	34	1,290	--	84	1,290	1,360	.6	2.0	--	4,200	524	4,700	7.8	84	--	--	
		551-571	sl Dec. 6, 1956	--	--	--	--	--	--	33	--	1,420	--	--	--	--	550	4,630	7.3	--	--	--	
		323	sl Jan. 3, 1957	--	--	--	--	--	--	153	--	106	--	--	--	--	49	733	8.1	--	--	--	
		323	do	18	.05	14	4.1	138	--	164	68	104	--	--	--	--	525	52	--	8.2	--	--	
		323	sl Nov. 5, 1958	--	<.02	21	6	--	--	--	56	149	1.1	--	--	--	471	78	--	8.1	--	--	
		323	sl Dec. 12, 1959	--	.02	25	7	--	--	--	76	183	1.2	--	--	--	566	90	--	7.8	--	--	
		323	sl Sept. 13, 1960	--	<.02	18	4	--	--	--	83	157	1.3	--	--	--	523	60	--	8.5	--	--	
		323	sl Apr. 23, 1961	--	.02	25	8	--	--	--	80	165	1.1	--	--	--	544	91	--	8.3	--	--	
		323	sl Mar. 27, 1962	--	<.04	24	9	--	--	--	96	135	1.2	--	--	--	569	92	--	8.2	--	--	

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)		
JL-49-22-102	Qtal 6	323	by Jan. 11, 1963	--	0.002	25	5	--	--	--	104	140	0.8	--	--	607	82	--	8.3	--	--	--		
		323	by June 14, 1964	--	.03	28	7	--	--	--	97	135	.7	--	--	657	99	--	8.2	--	--	--	--	
		323	by July 27, 1965	--	.03	22	7	--	--	--	65	135	1.0	--	--	567	84	--	8.2	--	--	--	--	
		323	by June 22, 1966	--	.03	20	10	--	--	--	80	140	.8	--	--	588	90	--	8.3	--	--	--	--	
		323	by Aug. 1, 1966	29	.45	21	6.3	178	6.6	145	77	198	.9	1.8	0.09	591	80	1,050	7.6	--	--	--	--	
		323	by Aug. 10, 1967	--	.02	26	4	--	--	--	104	215	1.2	--	--	653	71	--	8.3	--	--	--	--	
		323	by Jan. 22, 1969	--	--	20	6	195	--	--	83	215	.8	--	--	644	86	--	8.3	--	--	--	--	
		323	by July 2, 1969	--	.01	22	7	184	--	--	82	195	.7	--	--	660	83	--	8.3	--	--	--	--	
		323	by July 9, 1971	--	.03	23	3	148	--	--	70	145	.9	--	--	458	69	--	8.2	85	--	--	--	
		323	by July 27, 1972	--	.01	21	7	171	--	--	84	176	.8	--	--	558	80	--	7.9	86	--	--	--	
		323	by June 27, 1973	--	.02	26	7.2	107	--	--	--	86	.64	.5	--	--	422	96	868	8.3	76	--	--	--
		103	Qtal 6	230-308	by Feb. 18, 1947	--	--	--	--	--	--	--	--	71	--	--	--	444	127	--	--	--	--	--
				310-382	by Feb. 19, 1947	--	--	--	--	--	--	--	--	--	184	--	--	--	523	137	--	--	--	--
230-382	by Mar. 3, 1947			11	--	--	--	--	--	--	--	--	170	--	--	--	577	120	--	--	--	--	--	--
386	by June 8, 1948			34	--	15	5.4	191	--	--	168	84	177	--	.8	--	593	60	987	--	87	--	--	--
386	by Nov. 9, 1950			27	--	21	5.9	210	--	--	135	98	228	--	0	--	656	77	1,130	7.8	86	--	--	--
386	by Oct. 13, 1954			--	.1	20	9	216	--	--	--	96	241	1.0	--	--	700	86	--	8.4	--	--	--	--
386	by July 13, 1956			--	--	--	--	--	--	--	128	--	295	--	--	--	88	1,380	7.9	--	--	--	--	--
386	by Nov. 7, 1956			30	--	28	6	242	--	--	127	100	290	1.0	.5	--	760	94	1,360	8.0	85	--	--	--
386	by Nov. 5, 1958			--	.02	28	4	--	--	--	--	72	216	1.1	--	--	783	86	--	7.9	--	--	--	--
386	by Sept. 13, 1960			--	.02	24	0	--	--	--	--	93	312	1.0	--	--	793	86	--	8.3	--	--	--	--
386	by July 27, 1965			--	.01	26	3	--	--	--	--	98	305	.9	--	--	763	77	--	7.9	--	--	--	--
386	by Sept. 9, 1969			--	.03	20	4	199	--	--	--	86	165	.9	--	--	690	66	--	8.3	89	--	--	--
386	by Sept. 10, 1969			--	0	18	4	185	--	--	--	88	185	1.0	--	--	615	64	--	8.3	89	--	--	--
386	by Oct. 10, 1969			--	.02	36	5.3	262	--	--	--	115	325	.8	--	--	870	112	--	8.1	--	--	--	--
386	by July 22, 1970			--	.01	34	6	254	--	--	--	106	320	.8	--	--	747	110	--	8.2	86	--	--	--
104	Qal Rg	153-173	by Aug. 1, 1955	--	--	29	8	130	--	--	84	133	.6	--	--	486	106	--	8.5	--	--	--		
		223-243	by Aug. 2, 1955	--	--	34	8	154	--	--	66	200	.4	--	--	548	118	--	8.1	--	--	--		
		285-310	by Aug. 3, 1955	--	--	37	8	163	--	--	60	234	.4	--	--	609	125	--	8.4	--	--	--		
		370-395	by do	--	--	73	12	250	--	--	46	473	.4	--	--	1,130	231	--	8.3	--	--	--		
		475-500	by Aug. 5, 1955	--	--	182	26	487	--	--	84	1,100	.4	--	--	2,330	563	--	8.3	--	--	--		
108	Qal Rg	50	by Apr. 25, 1968	--	--	78	17	--	--	242	238	124	--	--	--	264	1,270	7.3	--	--	0			
112	Qal Rg	115	by July 31, 1956	--	--	--	--	--	--	432	--	358	--	--	--	715	2,730	7.7	--	--	--			
114	Qtal 6	300	by Aug. 28, 1956	--	--	--	--	--	--	214	--	505	--	--	--	444	2,090	7.6	--	--	--			
116	Qal Rg	151	by July 2, 1956	34	--	161	35	270	--	286	448	305	--	2.5	1,400	546	2,160	7.7	52	--	--			
118	Qal Rg	100	by Aug. 7, 1956	36	--	163	31	364	--	356	591	288	.8	1.5	1,650	534	--	--	58	--	--			
122	Qtal 6	278-303	by Nov. 11, 1971	--	.1	47	6	194	--	--	75	284	.4	--	--	659	144	--	8.2	79	--	--		
		553-578	by Nov. 15, 1971	--	.03	324	20	635	--	--	123	1,500	.4	--	--	2,619	892	--	7.3	63	--	--		
		360	by Dec. 6, 1971	--	.12	77	10	239	--	--	121	385	.4	--	--	883	232	--	8.4	73	--	--		
		360	by Dec. 7, 1971	--	.06	84	6	245	--	--	123	376	.5	--	--	900	234	--	8.2	73	--	--		
		360	by Dec. 8, 1971	--	.03	75	14	239	--	--	129	380	.6	--	--	894	246	--	8.0	73	--	--		
		360	by May 27, 1972	--	.24	104	23	252	--	--	265	355	.3	--	--	1,201	354	--	8.2	67	--	--		
360	by July 27, 1972	--	.22	102	30	250	--	--	265	362	.4	--	--	1,237	380	--	7.7	65	--	--				
201	Qtal 6	219	by Nov. 9, 1950	28	.13	40	9.8	200	--	130	84	269	--	1.0	--	704	140	1,220	7.8	76	--	--		
		219	by Oct. 13, 1954	--	--	37	1.6	173	--	--	84	233	.6	--	--	697	158	--	8.1	--	--	--		
		219	by July 13, 1956	--	--	--	--	--	--	--	156	--	195	--	--	--	139	1,080	7.8	--	--	--		
205	Qal Rg	87	by July 27, 1956	--	--	--	--	--	--	298	--	358	--	--	--	470	2,230	8.1	--	--	--			
206	Qal Rg	98-121	by July 11, 1955	--	--	46	1.5	194	--	--	130	249	.5	--	--	778	178	--	8.2	--	--	--		
		140-163	by do	--	--	18	12	260	--	--	140	297	.7	--	--	849	155	--	8.3	--	--	--		
	Qtal 6	200-223	by July 13, 1955	--	--	37	1.6	342	--	--	200	419	.8	--	--	1,120	155	--	8.4	--	--	--		
		272-295	by do	--	--	63	1.3	559	--	--	280	728	1.0	--	--	1,780	211	--	8.5	--	--	--		
695-718	by Aug. 8, 1955	--	--	426	--	1,570	--	--	208	3,680	--	--	--	7,700	2,050	--	8.3	--	--	--				
207	--	--	by Mar. 11, 1956	35	--	115	37	391	13	207	393	518	.7	2.0	.25	1,610	439	2,680	7.6	65	--	--		

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)	
JL-49-22-401	Qtal 6	314-334	g/ Apr. 25, 1957	30	--	29	4.5	241	--	120	153	250	1.0	0.2	--	768	90	1,310	8.1	85	--	--	
		504-524	g/ Apr. 26, 1957	20	--	378	43	1,090	--	31	190	2,320	.4	--	--	4,060	1,120	7,270	7.4	68	--	--	
		854-874	g/ do	--	--	--	--	4,780	--	27	423	11,700	--	--	--	--	6,720	29,200	6.8	61	--	--	
		1,179-1,199	g/ Apr. 27, 1957	--	--	--	--	8,490	--	25	1,270	21,600	--	--	--	--	13,400	48,300	7.5	58	--	--	
	Qal Rg	103	g/ Apr. 28, 1957	--	--	--	--	11,700	--	23	1,690	26,200	--	--	--	--	13,700	56,300	7.0	65	--	--	
			g/ Sept. 24, 1957	30	--	85	25	200	7.6	247	274	193	.4	--	0.16	936	315	1,500	7.7	57	--	--	
402	Qal Rg	98	g/ Sept. 5, 1956	--	--	--	--	--	--	334	323	320	--	--	--	--	490	2,000	7.6	--	--	--	
403	Qal Rg	100	g/ Sept. 27, 1948	28	--	200	72	459	--	188	319	925	--	2.8	--	2,100	795	3,670	--	--	--	--	
404	Qal Rg	90	g/ Apr. 2, 1951	35	--	163	51	292	--	275	336	492	--	1.5	--	1,510	616	2,490	8.1	51	--	--	
405	Qal Rg	90	g/ July 27, 1956	--	--	--	--	--	--	271	--	332	--	--	--	--	435	1,920	8.2	--	--	--	
407	Qal Rg	40-90	g/ Feb. 5, 1977	30	--	67	14	172	10	254	244	120	.5	.4	--	780	225	1,170	8.1	--	--	--	
		40-60	g/ do	--	0.15	72	12	177	--	--	242	110	.45	--	--	--	863	228	1,100	8.3	68	--	--
		120-140	g/ do	34	--	52	18	250	--	--	294	274	175	.5	.4	--	950	206	1,460	8.3	--	--	--
		120-140	g/ do	--	.15	60	19	248	--	--	--	280	165	.5	--	--	1,067	230	1,400	8.5	76	--	--
		170-190	g/ do	31	--	289	103	540	--	--	139	312	1,380	.4	.4	--	2,720	1,140	4,270	7.9	--	--	--
		170-190	g/ do	--	.15	292	104	538	--	--	--	360	1,300	.35	--	--	2,738	1,160	4,000	8.1	58	--	--
		270-290	g/ do	30	--	246	74	398	--	--	96	196	1,090	.3	.4	--	2,080	920	3,450	7.9	--	--	--
		270-290	g/ do	--	.15	232	85	579	--	--	--	230	1,325	.34	--	--	2,551	930	3,500	8.0	65	--	--
		380-400	g/ do	29	--	15	3	141	--	--	154	96	84	.9	.4	--	445	50	760	8.5	--	--	--
		380-400	g/ do	--	.15	15	3.4	135	--	--	97	80	88	--	--	--	487	52	700	8.4	88	--	--
480-500	g/ do	29	--	18	2	174	--	--	143	142	120	1.0	.4	--	560	53	877	8.3	--	--	--		
480-500	g/ do	--	.15	17	2.9	167	--	--	--	137	105	1.0	--	--	578	54	900	8.4	89	--	--		
501	Qal Rg	50	g/ Apr. 2, 1968	--	--	188	59	--	--	304	836	378	--	--	--	--	712	3,030	7.5	--	--	--	
502	Qal Rg	50	g/ Apr. 22, 1968	--	--	187	58	--	--	452	1,080	720	--	--	--	--	705	4,570	7.6	--	--	--	
506	Qal Rg	128	g/ July 13, 1956	--	--	--	--	--	--	326	--	235	--	--	--	--	530	1,970	7.7	--	--	--	
		128	g/ July 12, 1972	36	--	236	44	275	--	417	620	275	1.0	< .4	--	1,690	770	2,220	7.5	--	--	--	
509	Qal Rg	67	g/ Sept. 4, 1956	--	--	--	--	--	--	425	625	270	--	--	--	--	615	2,510	7.7	--	--	--	
512	Qal Rg	160	g/ Mar. 28, 1951	29	--	78	34	295	--	182	238	414	.8	2.5	.29	1,180	334	2,020	7.9	--	--	--	
514	Qal Rg	138	g/ Sept. 4, 1956	--	--	--	--	--	--	270	--	610	--	--	--	--	640	3,050	7.6	--	--	--	
522	Qal Rg	90	g/ Sept. 5, 1956	--	--	--	--	--	--	295	370	190	--	--	--	--	410	1,710	7.8	--	--	--	
528	Qal Rg	120	g/ July 27, 1956	--	--	--	--	--	--	373	--	265	--	--	--	--	562	2,240	8.1	--	--	--	
530	Qal Rg	93	g/ Jan. 17, 1976	11	--	109	37	347	--	397	444	298	1.1	< .4	--	1,440	426	2,290	7.9	--	--	--	
541	Qal Rg	100	g/ July 13, 1956	--	--	--	--	--	--	328	--	265	--	--	--	--	553	2,060	7.6	--	--	--	
		100	g/ Aug. 24, 1972	--	--	--	--	--	--	340	460	300	--	--	--	--	640	2,210	7.9	--	--	--	
545	Qal Rg	137	g/ Aug. 7, 1956	--	--	--	--	--	--	319	--	640	--	--	--	--	581	3,260	8.0	--	--	--	
553	Qal Rg	50	g/ June 5, 1970	20	6.4	217	51	846	--	--	950	830	.9	--	--	3,450	752	--	7.5	75	--	--	
601	Qal Rg	50	g/ Apr. 18, 1968	--	--	26	8.9	--	--	228	620	282	--	--	--	--	102	2,520	7.4	--	--	1.71	
606	Qal Rg	70	g/ July 13, 1956	--	--	--	--	--	--	341	--	305	--	--	--	--	456	2,280	7.6	--	--	--	
613	Qtal 6	312	g/ Apr. 6, 1960	32	--	64	21	346	--	106	303	422	--	1.0	--	1,240	246	2,080	7.5	75	--	--	
		312	g/ Jan. 17, 1976	19	--	45	17	312	--	82	775	366	.6	< .4	--	1,080	182	1,850	7.7	--	--	--	
616	Qtal 6	220	g/ Dec. 3, 1969	15	.05	--	--	--	--	172	304	168	--	--	--	880	178	--	7.6	--	--	--	
		220	g/ May 15, 1974	31	--	43	13	305	--	155	385	218	1.5	.6	--	1,070	161	1,610	6.9	--	--	--	

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)	Roron (H)	Dissolved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)		
JL-49-22-617	Qtal 6	153-168	Nov. 5, 1969	16	0.05	--	--	--	--	144	502	180	--	--	--	1,424	190	--	7.9	--	--	--		
		300-315	do	18	.05	--	--	340	--	96	482	295	--	--	--	--	1,394	419	--	7.9	--	--	--	
803	Qal Rg	50	Apr. 10, 1968	--	--	69	15	--	--	308	179	115	--	--	--	--	234	1,180	7.8	--	--	0.38		
			Dec. 17, 1969	--	--	92	19	--	--	278	260	140	--	--	--	--	308	1,350	7.6	--	--	--	--	
809	Qal Rg	85	Sept. 6, 1956	--	--	--	--	--	--	353	469	390	--	--	--	--	410	2,560	7.8	--	--	--		
			Dec. 8, 1969	--	--	46	17	--	--	338	484	282	--	--	--	--	185	2,300	7.9	--	--	--	1.84	
818	Qal Rg Qtal 6	163-183	Apr. 3, 1957	36	--	570	99	705	15	100	358	2,050	0.1	--	0.15	3,880	1,830	6,630	7.5	45	--	--		
		641-661	Apr. 4, 1957	--	--	--	--	4,110	--	30	407	9,900	--	--	--	--	5,490	25,600	7.0	62	--	--		
		939-959	Apr. 5, 1957	--	--	--	--	9,260	--	22	1,480	22,600	--	--	--	--	13,300	51,000	6.9	60	--	--		
		1,497-1,517	Apr. 9, 1957	--	--	--	--	4,780	--	24	1,390	9,790	--	--	--	--	4,710	26,000	7.0	69	--	--		
		1,497-1,517	do	20	.4	1,970	104	4,505	--	37	1,356	9,700	--	--	--	--	18,000	5,353	27,700	7.3	--	--	--	
822	Qal Rg	102	Sept. 3, 1956	--	--	--	--	--	--	450	817	960	--	--	--	--	1,040	4,670	7.6	--	--	--		
825	Qal Rg	74	July 13, 1956	--	--	--	--	--	--	338	--	265	--	--	--	--	436	2,030	7.8	--	--	--		
826	Qal Rg	83	Aug. 8, 1956	--	--	--	--	--	--	277	--	362	--	--	--	--	436	1,870	7.6	--	--	--		
829	Qal Rg	72	-- 1964	--	--	--	--	--	--	--	--	--	--	--	--	2,135	--	3,050	--	--	--	--		
		72	-- 1971	--	--	--	--	--	--	--	--	--	--	--	--	1,680	--	2,400	--	--	--	--		
830	Qal Rg	72	Aug. 31, 1971	35	--	144	40	490	--	468	700	338	--	--	--	1,979	524	2,400	8.0	--	--	--		
		72	do	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
830	Qal Rg	100	July 13, 1956	--	--	--	--	--	--	425	--	250	--	--	--	--	424	2,110	7.9	--	--	--		
837	Qal Rg	24- 43	Aug. 19, 1972	--	--	68	16	321	--	--	365	244	1.5	--	--	1,339	236	--	7.8	79	--	--		
		61- 80	do	30	--	106	22	247	--	276	371	209	.7	--	--	1,130	355	1,650	7.4	--	--	--		
		61- 80	do	--	7.2	104	24	249	--	--	394	196	.8	--	--	1,180	360	--	7.9	66	--	--	--	
		107-126	do	31	--	192	35	496	--	178	335	880	.7	1.5	--	2,060	620	3,220	7.4	--	--	--		
		107-126	do	--	--	188	36	204	--	--	346	393	.5	--	--	2,447	620	--	8.1	48	--	--		
		152-171	do	30	--	276	49	660	--	88	276	1,420	.7	1.0	--	2,760	890	4,430	7.3	--	--	--		
		152-171	do	--	1.0	276	49	679	--	--	278	1,418	.5	--	--	4,025	890	--	8.0	68	--	--		
		202-221	do	28	--	314	47	970	--	73	300	1,910	.7	1.5	--	3,610	980	5,630	7.3	--	--	--		
		202-221	do	--	.5	304	49	980	--	--	326	1,907	.5	--	--	4,986	960	--	8.0	74	--	--		
		250-269	do	28	--	499	70	1,130	--	54	443	2,470	.6	2.5	--	4,670	1,540	6,820	7.3	--	--	--		
		250-269	do	--	1.0	484	70	1,096	--	--	442	2,396	.4	--	--	6,834	1,500	--	7.9	66	--	--		
		304-323	do	23	--	740	108	1,690	--	39	492	3,850	.7	<.4	--	6,900	2,300	9,680	6.9	--	--	--		
		304-323	do	--	.5	724	102	1,872	--	--	854	3,813	.5	--	--	10,374	2,230	--	7.8	69	--	--		
		335-354	do	20	--	900	126	2,050	--	34	570	4,690	.7	>.4	--	8,400	2,770	11,300	7.1	--	--	--		
		335-354	do	--	2.0	880	121	1,938	--	--	518	4,498	.4	--	--	12,521	2,700	--	7.8	66	--	--		
		386-405	do	17	--	880	126	2,030	--	44	610	4,690	.7	>.4	--	8,400	2,730	11,120	7.1	--	--	--		
		386-405	do	--	2.0	868	121	1,982	--	--	576	4,498	.4	--	--	12,390	2,680	--	7.7	67	--	--		
		839	Qal Rg	60- 80	Jan. 12, 1977	39	--	103	18	209	--	368	242	156	.5	.7	--	950	332	1,470	8.1	--	--	--
				60- 80	do	--	.73	100	17	150	--	--	88	165	.62	--	--	876	320	--	8.2	55	--	--
				80-100	Jan. 13, 1977	36	--	60	7	276	--	350	246	157	.5	.4	--	960	178	1,470	8.3	--	--	--
80-100	do			--	.76	60	6.8	180	--	--	49	165	.6	--	--	810	178	--	7.8	73	--	--		
150-170	do			29	--	191	18	790	--	54	228	1,400	.4	.4	--	2,880	550	4,320	7.5	--	--	--		
150-170	do			--	.45	188	27	1,281	--	--	1,225	1,450	.54	--	--	4,228	570	--	6.9	86	--	--		
210-230	do			24	--	293	32	1,150	--	73	327	2,070	.5	.7	--	3,930	860	6,190	7.6	--	--	--		
210-230	do			--	7.0	284	41	1,604	--	--	1,225	2,150	.64	--	--	5,377	880	--	6.9	83	--	--		
840	Qal Rg			44- 64	Jan. 26, 1977	30	--	93	20	196	--	268	299	137	.5	.4	--	910	314	1,420	8.0	--	--	--
				44- 64	do	--	.15	92	21	126	--	--	286	160	.52	--	--	950	316	--	8.3	53	--	--
		80-100	do	30	--	44	13	233	--	268	255	135	.6	.4	--	840	165	1,310	8.2	--	--	--		
		80-100	do	--	.15	46	12	229	--	--	242	135	.66	--	--	927	164	--	8.4	80	--	--		
		150-170	do	28	--	31	7	261	--	266	255	132	.9	.4	--	850	105	1,320	--	--	--	--		
		150-170	do	--	.15	30	7.8	251	--	--	242	130	.93	--	--	917	108	--	8.5	87	--	--		
		190-210	do	28	--	8	2	150	--	194	90	62	1.4	.4	--	440	27	652	--	--	--	--		
		190-210	do	--	.15	7.6	1.7	149	--	--	97	60	1.5	--	--	509	26	--	8.6	94	--	--		
		230-250	do	28	--	10	2	171	--	189	110	87	1.4	.4	--	510	33	807	--	--	--	--		
		230-250	do	--	.15	9.2	2.2	171	--	--	112	90	1.25	--	--	571	32	--	8.6	94	--	--		

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)	
JL-49-22-840	Qta1 6	295-315	Jan. 26, 1977	29	--	24	3	302	--	137	187	313	0.9	0.4	--	930	75	1,530	8.3	--	--	--	
		295-315	do	--	0.15	25	3.2	296	--	--	183	295	.93	--	--	--	938	75	--	8.3	91	--	--
		380-400	Jan. 25, 1977	30	--	46	7	411	--	107	203	520	.7	.4	--	1,270	142	2,150	8.2	--	--	--	--
		380-400	do	--	.15	46	8.3	404	--	--	--	203	515	.75	--	--	1,283	148	--	8.2	88	--	--
907	Qal Rg	111	Sept. 5, 1956	--	--	--	--	--	--	386	--	880	--	--	--	--	845	4,390	7.6	--	--	--	
908	Qal Rg	145	Mar. 28, 1951	32	--	353	108	965	--	162	938	1,650	--	.5	0.3	4,130	1,320	6,460	7.7	61	--	--	
911	Qal Rg	138	do	36	--	219	71	855	--	154	844	1,230	.9	2.0	.4	3,330	838	5,200	7.9	--	--	--	
914	Qal Rg	113	Aug. 28, 1956	--	--	--	--	--	--	402	--	322	--	--	--	--	560	2,560	7.4	--	--	--	
918	Qal Rg	90	Aug. 24, 1972	--	--	--	--	--	--	376	750	440	--	--	--	--	660	3,230	7.8	--	--	--	
925	Qal Rg	--	Sept. 4, 1956	--	--	--	--	--	--	249	--	1,130	--	--	--	--	1,000	4,940	7.8	--	--	--	
929	Qal Rg	127	July 30, 1956	--	--	--	--	--	--	432	--	345	--	--	--	--	750	2,700	8.0	--	--	--	
930	Qal Rg	126	Jan. 15, 1976	23	--	286	61	700	--	228	1,120	780	.5	.7	--	--	960	4,160	8.0	--	--	--	
933	Qal Rg	72	1964	--	--	--	--	--	--	--	--	--	--	--	--	1,666	--	2,380	--	--	--	--	
		72	1965	--	--	--	--	--	--	--	--	--	--	--	--	1,835	--	2,650	--	--	--	--	
		72	Aug. 27, 1971	32	--	78	27	351	--	486	380	196	--	--	--	1,305	306	1,500	7.7	--	--	--	
		72	1971	--	--	--	--	--	--	--	--	--	--	--	--	1,050	--	1,500	--	--	--	--	
939	Qal Rg	80-100	Jan. 25, 1974	32	--	124	18	490	--	256	550	479	.9	3.1	--	1,820	385	2,690	8.3	--	--	--	
		80-100	Jan. 30, 1974	--	>.01	120	61	654	--	--	950	600	1.1	--	--	--	1,860	550	--	8.3	78	--	--
		178-198	Jan. 25, 1974	26	--	360	49	1,040	--	77	326	2,140	.4	2.1	--	3,980	1,100	6,000	7.5	--	--	--	
		178-198	Jan. 30, 1974	--	>.01	360	85	1,268	--	--	526	2,400	.7	--	--	--	4,605	1,250	6,000	8.0	74	--	--
		460-480	Jan. 25, 1974	26	--	2,180	446	3,800	--	41	1,030	9,900	1.1	<.4	--	17,400	7,300	>12,000	7.4	--	--	--	
		460-480	Jan. 30, 1974	--	>.01	2,060	298	4,213	--	--	950	10,275	<.01	--	--	20,749	6,350	--	7.6	64	--	--	
23-201	Qta1 6	440	Dec. 8, 1952	25	--	60	15	477	--	83	219	675	--	.2	--	1,520	211	2,670	7.8	83	--	--	
501	Qta1 6	500	do	21	.53	25	8.2	318	--	134	146	370	--	2.8	--	958	96	1,700	7.9	88	--	--	
502	Qta1 6	560	Feb. 2, 1962	8	--	32	10	235	10	136	97	307	--	--	--	840	--	--	7.0	79	--	--	
504	Qta1 6	458-478	Nov. 6, 1961	12	--	33	5	250	8	160	213	210	--	--	--	880	--	--	7.0	83	--	--	
		478-530	do	12	--	29	5	269	8	180	230	210	--	--	--	940	--	--	7.0	84	--	--	
		500	Jan. 25, 1962	--	.38	27	6	272	--	140	105	335	.9	6.2	--	936	93	1,560	7.9	--	--	--	
		530	Mar. 20, 1967	--	.36	24	10	256	--	165	126	296	1.1	.6	--	880	102	1,606	8.0	--	--	--	
		330	do	--	.02	25	9	223	--	162	120	226	1.1	14	--	780	98	1,360	8.1	--	--	--	
		530	Jan. 17, 1968	--	.01	36	6	--	--	--	--	162	290	--	--	--	908	116	--	7.4	--	--	--
505	Qta1 6	558	do	--	.02	26	7	268	--	142	109	315	1.0	5.0	--	880	93	1,650	8.5	--	--	--	
506	Qta1 6	495	Nov. 2, 1961	12	--	36	9	237	10	140	99	310	--	--	--	860	--	--	7.1	79	--	--	
		495	Sept. 26, 1965	--	.02	26	7	--	--	--	165	330	.3	--	--	851	94	--	8.9	--	--	--	
		495	Mar. 20, 1967	--	.08	22	7	274	--	144	125	323	1.0	.6	--	900	84	1,683	8.3	--	--	--	
		495	Feb. 9, 1968	--	--	102	11	--	--	--	180	950	--	--	--	2,151	300	--	7.7	--	--	--	
507	Qta1 6	460-480	Dec. 9, 1961	10	--	28	8	205	10	160	121	200	--	--	--	762	--	--	7.0	85	--	--	
		500-520	do	12	--	62	10	285	10	180	236	309	--	--	--	1,140	--	--	7.1	75	--	--	
		520	July 31, 1968	17	.01	--	--	--	--	--	--	--	--	--	--	2,140	--	--	8.1	--	--	--	
509	Qta1 6	480-490	Jan. 13, 1962	12	--	74	12	370	10	116	157	562	--	--	--	1,350	--	--	7.0	76	--	--	
		510-530	do	8	--	110	12	310	8	120	84	443	--	--	--	1,100	--	--	7.0	83	--	--	
601	Qta1 6	478-500	July 25, 1953	8.8	.04	22	4.3	315	4.7	85	97	412	.8	1.5	.24	930	72	1,780	7.2	89	--	--	
		657-677	Aug. 1, 1953	16	.12	28	3.1	369	3.5	84	65	520	1.0	1.0	.36	1,050	82	2,070	7.7	90	--	--	
701	Qal Rg	50	May 31, 1968	--	.02	261	18	--	--	--	895	527	--	1.7	--	2,651	726	--	8.0	--	--	--	
		20- 50	June 5, 1968	--	--	216	39	--	--	216	900	520	--	--	--	--	700	3,690	7.7	--	--	--	

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)
JL-49-23-702	Qtal 6	225	Jan. 15, 1976	18	--	220	57	580	--	67	570	1,010	0.7	<0.4	--	2,490	770	3,850	7.9	--	--	--
704	Qal Rg	50	Sept. 5, 1956	--	--	--	--	--	--	397	1,090	940	--	--	--	--	1,000	5,060	7.5	--	--	--
801	Qtal 6	500	Apr. 29, 1952	--	--	--	--	--	--	57	--	1,530	--	--	--	--	430	5,210	7.7	--	--	--
902	Qtal 6	450	May 16, 1974	27	--	83	17	500	--	63	188	790	.8	<.4	--	1,640	277	2,730	7.5	--	--	--
		560	do	27	--	144	18	700	--	67	165	1,220	.8	.4	--	2,310	435	3,750	7.2	--	--	--
24-401	Qtal 6	460	Apr. 2, 1936	--	1.0	29	15	134	--	195	132	75	--	27	--	508	134	--	--	--	--	--
		460	Mar. 18, 1954	31	.01	28	12	151	--	206	122	83	1.4	29	--	574	120	936	8.2	73	--	--
405	Qtal 6	515	Mar. 6, 1961	10	--	36	5	120	5	108	151	94	--	--	--	580	--	--	7.0	69	--	--
		515	do	--	<.02	32	10	144	--	173	127	86	1.0	32.5	--	610	121	990	8.4	--	--	--
		515	Sept. 26, 1965	--	.04	34	112	--	--	--	146	95	.3	--	--	580	134	--	8.2	--	--	--
		515	Jan. 17, 1968	--	--	31	8	--	--	--	132	70	--	--	--	477	112	--	7.7	--	--	--
406	Qtal 6	490-521	July 17, 1961	8	--	36	8	130	7	154	154	97	--	--	--	550	--	--	7.0	68	--	--
		--	do	--	<.02	27	9	135	--	178	111	72	1.0	31.5	--	570	103	918	7.7	--	--	--
		521	Jan. 17, 1968	--	.01	34	10	--	--	--	153	85	--	--	--	574	126	--	7.6	--	--	--
407	Qtal 6	440	July 1961	8	--	33	6	123	8	174	125	80	--	--	--	560	--	--	7.0	70	--	--
		494-513	do	10	--	66	7	140	8	210	173	111	--	--	--	745	--	--	7.0	60	--	--
		605	Jan. 17, 1968	--	--	33	10	--	--	--	148	85	--	--	--	575	124	--	7.7	--	--	--
408	Qtal 6	500-525	July 15, 1961	10	--	33	6	145	5	164	149	99	--	--	--	620	--	--	7.0	74	--	--
409	Qtal 6	490-520	Sept. 18, 1961	10	--	40	12	135	10	176	85	169	--	--	--	660	--	--	7.2	64	--	--
		520-560	do	10	--	40	10	125	10	170	85	150	--	--	--	570	--	--	7.2	65	--	--
410	Qtal 6	550	Oct. 20, 1961	6	--	66	8	145	8	210	206	96	--	--	--	740	--	--	7.0	68	--	--
		550	Sept. 26, 1965	--	.03	25	8	--	--	--	162	75	.4	--	--	560	96	--	7.8	--	--	--
		550	Mar. 20, 1967	--	.10	28	11	138	--	183	123	89	1.0	35	--	610	116	975	7.9	--	--	--
411	Qtal 6	500	Sept. 13, 1968	10	.10	32	--	222	--	99	156	220	--	--	--	720	--	--	7.8	--	--	--
412	Qtal 6	574	do	20	.05	21	--	205	--	110	127	205	--	--	--	640	--	--	7.9	--	--	--
601	Qtal 6	500	Apr. 2, 1936	--	3.1	136	45	905	--	237	478	1,260	--	24	--	2,970	524	--	--	--	--	--
603	Qtal 6	--	Apr. 1, 1963	15	--	230	10	420	10	220	523	580	--	--	--	2,075	--	--	7.0	59	--	--
		--	Oct. 4, 1971	--	.01	90	51	698	--	173	221	534	--	--	--	1,821	290	2,000	7.4	--	--	--
801	Qtal 6	643	Apr. 2, 1936	--	--	66	27	778	--	246	668	758	--	1.2	--	2,420	276	--	--	--	--	--
30-201	Qal Rg	86	1964	--	--	--	--	--	--	--	--	--	--	--	--	1,470	--	2,100	--	--	--	--
		86	1971	--	--	--	--	--	--	--	--	--	--	--	--	1,155	--	1,650	--	--	--	--
		86	Sept. 1, 1971	32	--	122	28	338	--	417	400	282	--	--	--	1,409	420	1,650	7.6	--	--	--
202	Qal Rg	156	1964	--	--	--	--	--	--	--	--	--	--	--	--	1,680	--	2,400	--	--	--	--
		156	1971	--	--	--	--	--	--	--	--	--	--	--	--	1,015	--	1,450	--	--	--	--
		156	Sept. 1, 1971	22	--	106	29	286	--	371	390	210	--	--	--	1,227	385	1,450	7.6	--	--	--
203	Qal Rg	80	1964	--	--	--	--	--	--	--	--	--	--	--	--	1,540	--	2,200	--	--	--	--
		80	1971	--	--	--	--	--	--	--	--	--	--	--	--	1,155	--	1,650	--	--	--	--
		80	Aug. 25, 1971	37	--	138	41	297	--	388	470	248	--	--	--	1,423	512	1,650	7.6	--	--	--
205	Qal Rg	120	July 29, 1956	--	--	--	--	--	--	316	--	275	--	--	--	--	504	2,040	7.6	--	--	--
		120	1956	--	--	--	--	--	--	--	--	--	--	--	--	1,428	--	2,040	--	--	--	--
206	Qal Rg	80	1964	--	--	--	--	--	--	--	--	--	--	--	--	1,295	--	1,850	--	--	--	--
		80	1965	--	--	--	--	--	--	--	--	--	--	--	--	1,225	--	1,750	--	--	--	--
		80	1966	--	--	--	--	--	--	--	--	--	--	--	--	1,190	--	1,700	--	--	--	--
		80	1971	--	--	--	--	--	--	--	--	--	--	--	--	1,050	--	1,500	--	--	--	--
		80	Aug. 25, 1971	31	--	124	30	296	--	398	470	186	--	--	--	1,334	434	1,500	7.8	--	--	--

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)
JL-49-30-207	Qal Rg	30-50	July 19, 1974	--	0.02	146	17	175	--	--	215	175	0.9	--	--	1,161	434	1,605	8.1	52	--	--
		50-70	do	--	.02	178	21	261	--	--	323	350	.8	--	--	1,474	528	2,000	8.1	57	--	--
		122-142	do	--	.09	129	6	243	--	--	201	335	.7	--	--	1,161	346	1,806	8.1	64	--	--
		176-196	do	--	.02	109	5	440	--	--	167	670	.7	--	--	1,568	294	2,456	8.1	79	--	--
		200	do	--	.02	112	6	195	--	--	179	260	.6	--	--	990	304	1,810	8.2	62	--	--
	Qtal 6	484-504	do	--	.08	4,040	1,023	11,571	--	--	11,449	19,500	.5	--	--	47,769	5,226	43,020	7.5	71	--	--
303	Qal Rg	50	June 3, 1968	--	--	112	20	--	--	340	418	190	--	--	--	--	362	1,920	7.9	--	--	0
		50	June 7, 1968	--	.17	117	16	--	--	--	445	205	--	1.42	--	--	1,276	356	--	8.1	--	--
		50	Dec. 17, 1969	--	--	233	47	--	--	438	672	420	--	--	--	--	775	2,940	7.6	--	--	0
304	--	--	Aug. 24, 1972	--	--	--	--	--	--	360	690	570	--	--	--	--	780	3,430	7.2	--	--	--
307	Qal Rg	83	Aug. 28, 1956	--	--	--	--	--	--	374	--	1,470	--	--	--	--	1,390	6,290	7.4	--	--	--
308	Qal Rg	81	1965	--	--	--	--	--	--	--	--	--	--	--	--	2,520	--	3,600	--	--	--	--
		81	1971	--	--	--	--	--	--	--	--	--	--	--	--	1,505	--	2,150	--	--	--	--
		81	Sept. 1, 1971	31	--	149	27	475	--	525	600	326	--	--	--	1,868	482	2,150	7.6	--	--	--
310	Qal Rg	74	1964	--	--	--	--	--	--	--	--	--	--	--	--	3,500	--	5,000	--	--	--	--
		74	1965	--	--	--	--	--	--	--	--	--	--	--	--	3,150	--	4,500	--	--	--	--
		74	1966	--	--	--	--	--	--	--	--	--	--	--	--	3,136	--	4,400	--	--	--	--
		74	1971	--	--	--	--	--	--	--	--	--	--	--	--	2,380	--	3,400	--	--	--	--
		74	Aug. 25, 1971	40	--	174	35	735	--	515	880	596	--	--	--	2,715	580	3,400	7.8	--	--	--
314	Qal Rg	74	1965	--	--	--	--	--	--	--	--	--	--	--	--	3,500	--	5,000	--	--	--	--
		74	1971	--	--	--	--	--	--	--	--	--	--	--	--	945	--	1,350	--	--	--	--
		74	Aug. 28, 1971	37	--	90	20	289	--	298	440	166	--	--	--	1,190	308	1,350	7.7	--	--	--
317	Qal Rg	80	1965	--	--	--	--	--	--	--	--	--	--	--	--	2,380	--	3,400	--	--	--	--
		80	1971	--	--	--	--	--	--	--	--	--	--	--	--	2,590	--	3,700	--	--	--	--
		80	Aug. 31, 1971	60	--	270	56	657	--	386	760	870	--	--	--	2,864	906	3,700	7.7	--	--	--
319	Qal Rg	78	Sept. 7, 1956	--	--	--	--	--	--	388	--	670	--	--	--	--	720	3,890	7.8	--	--	--
		78	1956	--	--	--	--	--	--	--	--	--	--	--	--	2,786	--	3,980	--	--	--	--
		78	1965	--	--	--	--	--	--	--	--	--	--	--	--	2,345	--	3,350	--	--	--	--
		78	1966	--	--	--	--	--	--	--	--	--	--	--	--	2,324	--	3,320	--	--	--	--
		78	1971	--	--	--	--	--	--	--	--	--	--	--	--	2,030	--	2,900	--	--	--	--
		78	Sept. 1, 1971	36	--	144	46	594	--	454	760	480	--	--	2,285	548	2,900	7.6	--	--	--	
321	Qal Rg	79	Aug. 27, 1971	35	--	284	70	584	--	403	860	740	--	--	--	2,773	998	3,500	7.5	--	--	--
322	Qal Rg	86	Sept. 4, 1956	--	--	--	--	--	--	483	--	700	--	--	--	970	4,200	7.6	--	--	--	
325	Qal Rg	70	1964	--	--	--	--	--	--	--	--	--	--	--	--	2,870	--	4,100	--	--	--	--
		70	1965	--	--	--	--	--	--	--	--	--	--	--	--	2,660	--	3,800	--	--	--	--
		70	1971	--	--	--	--	--	--	--	--	--	--	--	--	2,170	--	3,100	--	--	--	--
		70	Aug. 27, 1971	36	--	222	47	591	--	483	760	598	--	--	--	2,494	746	3,100	7.6	--	--	--
326	--	--	Sept. 3, 1956	--	--	--	--	--	--	337	--	328	--	--	--	--	600	2,320	7.7	--	--	--
		--	1956	--	--	--	--	--	--	--	--	--	--	--	--	1,624	--	2,320	--	--	--	--
		--	1964	--	--	--	--	--	--	--	--	--	--	--	--	1,365	--	1,950	--	--	--	--
		--	1971	--	--	--	--	--	--	--	--	--	--	--	--	910	--	1,300	--	--	--	--
		--	Sept. 2, 1971	28	--	103	21	268	--	325	390	182	--	--	1,153	346	1,300	7.5	--	--	--	
327	Qal Rg	147	1964	--	--	--	--	--	--	--	--	--	--	--	--	2,100	--	3,000	--	--	--	--
		147	1971	--	--	--	--	--	--	--	--	--	--	--	--	1,260	--	1,800	--	--	--	--
		147	Aug. 28, 1971	32	--	144	25	366	--	439	510	262	--	--	--	1,556	464	1,800	7.6	--	--	--
328	Qal Rg	168	Sept. 24, 1948	23	--	30	10	291	--	170	107	352	--	2.5	--	913	116	1,650	--	85	--	--
330	Qal Rg	91	1964	--	--	--	--	--	--	--	--	--	--	--	--	1,456	--	2,080	--	--	--	--
		91	1965	--	--	--	--	--	--	--	--	--	--	--	--	2,240	--	3,200	--	--	--	--
		91	1966	--	--	--	--	--	--	--	--	--	--	--	--	2,219	--	3,170	--	--	--	--

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)	
JL-49-30-330	Qal Rg	91	1971	--	--	--	--	--	--	--	--	--	--	--	--	1,295	--	1,850	--	--	--	--	
		91	Aug. 18, 1971	34	--	126	22	340	--	--	403	410	275	--	--	--	1,407	406	1,850	7.5	--	--	--
331	Qal Rg	90	Aug. 28, 1956	--	--	--	--	--	--	380	--	362	--	--	--	--	522	2,640	7.5	--	--	--	
333	Qal Rg	85	1964	--	--	--	--	--	--	--	--	--	--	--	--	1,540	--	2,200	--	--	--	--	
		85	1971	--	--	--	--	--	--	--	--	--	--	--	--	1,015	--	1,450	--	--	--	--	
		85	Apr. 28, 1971	29	--	78	18	329	--	--	325	284	178	--	--	--	1,078	270	1,400	7.8	--	--	--
		81	June 14, 1971	32	--	66	28	261	--	--	342	295	186	--	--	--	1,038	282	1,450	7.9	--	--	--
335	Qal Rg	68	1964	--	--	--	--	--	--	--	--	--	--	--	--	2,114	--	3,020	--	--	--	--	
		68	1965	--	--	--	--	--	--	--	--	--	--	--	--	2,380	--	3,400	--	--	--	--	
		68	1971	--	--	--	--	--	--	--	--	--	--	--	--	1,960	--	2,800	--	--	--	--	
		68	Sept. 1, 1971	32	--	152	27	546	--	--	412	740	404	--	--	--	2,105	490	2,800	7.5	--	--	--
337	Qal Rg	72	1964	--	--	--	--	--	--	--	--	--	--	--	--	3,570	--	5,100	--	--	--	--	
		72	1971	--	--	--	--	--	--	--	--	--	--	--	--	2,660	--	3,800	--	--	--	--	
		72	Aug. 18, 1971	36	--	297	56	786	--	--	529	1,200	710	--	--	--	3,347	974	3,800	7.4	--	--	--
341	Qal Rg	110-130	Dec. 15, 1976	28	--	460	141	1,450	15	160	830	2,790	0.3	0.4	--	5,800	1,730	8,200	7.3	--	--	--	
		110-130	do	--	0.27	536	92	1,632	--	--	1,000	2,900	.32	--	--	--	6,325	1,720	--	8.0	72	--	--
		220-240	do	--	--	520	81	1,550	15	48	620	3,090	.4	.4	--	--	5,900	1,620	8,300	7.3	--	--	--
		220-240	do	--	.20	520	83	1,535	--	--	610	3,050	.4	--	--	--	5,849	1,640	--	7.7	72	--	--
		540-560	do	--	--	4,510	650	6,000	45	20	479	18,700	.3	.4	--	--	30,400	13,900	12,000	6.3	--	--	--
		540-560	do	--	.15	5,160	606	5,530	--	--	--	480	19,050	.2	--	--	30,890	15,400	23,250	8.3	48	--	--
601	Qtal 6	300-320	Mar. 22, 1957	--	--	--	--	3,670	--	33	538	9,600	--	--	--	--	6,060	25,000	6.9	57	--	--	
		1,279-1,299	Mar. 25, 1957	--	--	--	--	10,100	--	17	1,230	28,000	--	--	--	--	18,800	60,800	6.7	54	--	--	
		1,488-1,508	Mar. 27, 1957	--	--	--	--	3,310	--	30	1,980	4,950	--	--	--	--	1,710	16,200	7.6	81	--	--	
603	Qal Rg	70	Sept. 6, 1956	--	--	--	--	--	--	480	993	740	--	--	--	665	4,480	7.8	--	--	--		
606	Qal Rg	131	1964	--	--	--	--	--	--	--	--	--	--	--	--	2,100	--	3,000	--	--	--	--	
		131	1965	--	--	--	--	--	--	--	--	--	--	--	--	2,100	--	3,000	--	--	--	--	
		131	1971	--	--	--	--	--	--	--	--	--	--	--	--	1,155	--	1,650	--	--	--	--	
		131	Aug. 31, 1971	30	--	127	26	328	--	--	368	510	216	--	--	--	1,420	424	1,650	7.5	--	--	--
608	Qal Rg	120	1965	--	--	--	--	--	--	--	--	--	--	--	--	1,610	--	2,300	--	--	--	--	
		120	1971	--	--	--	--	--	--	--	--	--	--	--	--	1,470	--	2,100	--	--	--	--	
		120	Aug. 18, 1971	34	--	161	31	310	--	--	354	380	368	--	--	--	1,460	530	2,100	7.6	--	--	--
609	Qal Rg	124	July 21, 1971	--	--	150	37	--	--	320	540	300	--	--	--	--	--	2,350	7.9	--	--	--	
		--	Sept. 10, 1956	--	--	--	--	--	--	--	355	--	740	--	--	--	--	515	3,940	7.8	--	--	--
611	Qal Rg	--	June 11, 1971	--	--	190	52	--	--	206	1,100	1,000	--	--	--	--	690	5,170	7.8	--	--	--	
		178	Sept. 3, 1956	--	--	--	--	--	--	--	285	426	378	--	--	--	--	440	2,350	7.7	--	--	--
613	Qal Rg	73	July 13, 1956	--	--	--	--	--	--	328	--	182	--	--	--	--	414	1,630	7.7	--	--	--	
616	Qal Rg	120	Apr. 20, 1977	32	--	108	18	255	--	393	276	226	.6	.8	--	1,010	347	1,700	7.9	--	--	--	
618	Qal Rg	98	July 20, 1971	--	--	240	52	--	--	302	810	620	--	--	--	--	810	3,540	7.8	--	--	--	
619	Qal Rg	71- 80	Oct. 12, 1973	--	--	109	11	325	--	--	382	270	.36	--	--	1,268	330	--	7.8	73	--	--	
623	Qtal 6	631-651	May 22, 1974	--	.15	2,256	129	4,507	--	--	844	10,675	.9	--	--	18,738	6,170	--	7.4	65	--	--	
		631-651	do	22	--	2,250	102	5,500	--	--	26	1,290	12,400	1.8	.6	--	21,900	6,700	>	12,000	7.1	--	--
		504-524	May 23, 1974	--	.5	1,720	112	3,790	--	--	998	8,500	8	--	--	15,778	4,760	--	7.4	67	--	--	
	Qal Rg	504-524	do	2	--	1,600	68	3,680	--	--	34	770	8,200	1.4	.8	--	14,300	4,270	>	12,000	7.0	--	--
		80-100	June 15, 1974	--	.01	58	7	225	--	--	--	213	210	.0	--	--	899	176	1,459	8.5	77	--	--
		80-100	do	29	--	56	8	236	--	--	173	268	200	.8	<.4	--	880	174	1,370	7.9	--	--	--
		120-140	do	--	.01	14	3	261	--	--	--	184	205	.68	--	--	847	48	1,126	8.7	94	--	--
		120-140	do	29	--	11	2	220	--	--	173	175	134	1.5	<.4	--	660	37	1,058	8.3	--	--	--

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)	
JL-49-30-623	Qal Rg	160-180	June 15, 1974	--	>.02	21	3	369	--	--	177	375	0.68	--	--	1,142	64	1,855	8.6	94	--	--	
		160-180	do	26	--	21	2	353	--	196	178	353	1.6	>.4	--	1,030	61	1,660	8.2	--	--	--	
	Qal Rg Qtal 6	199	do	--	--	24	2	232	--	--	186	175	--	--	--	813	70	1,180	9.2	90	--	--	
		229-249	do	--	>.02	74	52	1,266	--	--	255	1,999	.12	--	--	3,763	392	5,318	8.0	91	--	--	
Qal Rg	229-249	200	Jan. 16, 1976	19	--	140	9	960	--	76	235	1,540	1.7	>.4	--	2,940	388	4,270	7.5	--	--	--	
		200	do	28	--	14	2	242	--	174	194	164	1.1	>.4	--	730	42	1,170	8.3	--	--	--	
31-101	Qal Rg	50	May 30, 1968	--	--	585	133	--	--	288	1,390	2,380	--	--	--	--	2,010	9,340	7.4	--	--	--	
		50	May 31, 1968	--	.009	775	37	--	--	--	1,417	2,550	>.01	1.43	--	6,849	2,090	--	7.7	--	--	--	
		50	Dec. 17, 1969	--	--	440	16	--	--	--	592	1,550	1,570	--	--	--	1,580	7,405	7.4	--	--	--	--
110	Qal Rg	--	Aug. 28, 1956	--	--	--	--	--	--	600	--	920	--	--	--	865	5,980	7.5	--	--	--	--	
113	Qal Rg	100	Sept. 3, 1956	--	--	--	--	--	--	429	--	2,640	--	--	--	--	2,400	9,740	7.5	--	--	--	--
118	Qal Rg	65	do	--	--	--	--	--	--	393	--	1,200	--	--	--	--	1,260	5,690	7.6	--	--	--	--
124	Qal Rg	--	Aug. 28, 1956	--	--	--	--	--	--	383	--	480	--	--	--	--	598	3,030	7.4	--	--	--	--
130	Qal Rg	--	Aug. 18, 1971	42	--	246	110	816	--	454	790	1,170	--	--	--	3,399	1,070	4,400	7.4	--	--	--	--
132	Qtal 6	5,010-5,173	June 17, 1970	--	2.8	700	600	--	--	125	1,280	3,900	--	--	--	--	1,300	--	7.6	--	--	--	--
		5,010-5,173	do	--	1.2	900	350	--	--	55	1,050	4,100	--	--	--	--	1,250	--	7.3	--	--	--	--
		5,010-5,173	do	--	.5	950	150	--	--	43	720	4,300	--	--	--	--	1,100	--	7.1	--	--	--	--
		5,010-5,173	do	--	.3	1,250	300	--	--	30	845	4,850	--	--	--	9,140	1,550	--	6.6	--	--	--	--
201	Qtal 6	400	May 16, 1958	--	.03	364	6	--	--	39	799	2,670	.4	--	--	5,140	1,140	--	8.2	--	--	--	
		240	May 15, 1974	22	--	396	62	1,350	--	34	264	2,760	1.0	.4	--	4,870	1,250	7,100	7.1	--	--	--	
203	Qtal 6	162	Sept. 6, 1956	34	--	58	17	391	--	147	156	550	--	6.9	--	1,280	214	2,270	7.8	80	--	--	--
401	Qal Rg	108	July 30, 1956	36	--	159	29	243	--	399	388	218	--	.5	0.2	1,270	515	1,930	7.7	50	--	--	--
403	Qal Rg	79	Sept. 12, 1956	--	--	--	--	--	--	381	--	1,250	--	--	--	--	1,230	5,730	7.9	--	--	--	--
407	Qal Rg	--	Aug. 28, 1956	--	--	--	--	--	--	405	--	730	--	--	--	--	1,050	3,960	7.5	--	--	--	--
409	Qal Rg	90	July 20, 1971	--	--	--	--	--	--	492	1,100	1,100	--	--	--	--	1,300	5,620	7.5	--	--	--	--
			Aug. 24, 1972	--	--	--	--	--	--	--	522	1,100	1,100	--	--	--	--	1,400	5,870	7.6	--	--	--
412	Qal Rg	142	Aug. 27, 1971	21	--	174	35	444	--	366	700	365	--	--	--	1,921	578	2,400	7.7	--	--	--	--
416	Qal Rg	77	Aug. 7, 1956	--	--	--	--	--	--	320	--	260	--	--	--	--	490	1,850	8.1	--	--	--	--
425	Qal Rg	70	July 20, 1971	--	--	--	--	--	--	512	660	380	--	--	--	--	540	3,020	7.9	--	--	--	--
432	Qal Rg	31	Jan. 20, 1951	--	--	79	43	761	--	500	930	464	--	--	--	2,777	--	--	8.1	82	--	--	
		38	do	--	--	81	21	672	--	421	525	592	--	--	--	2,312	--	--	8.3	84	--	--	
		57	do	--	--	73	41	653	--	495	525	568	--	--	--	2,355	--	--	8.0	80	--	--	
		65	do	--	--	144	54	796	--	482	600	880	--	--	--	2,956	--	--	7.9	75	--	--	
		73	do	--	--	450	116	897	--	287	200	2,072	--	--	--	4,022	--	--	7.9	55	--	--	
		81	do	--	--	1,492	342	3,183	--	61	300	7,482	--	--	--	11,860	--	--	7.5	57	--	--	
		64	Aug. 6, 1956	--	--	--	--	--	--	--	461	--	1,200	--	--	--	--	890	3,680	7.8	--	--	--
433	Qal Rg	78	Aug. 31, 1956	--	--	--	--	--	--	412	--	1,120	--	--	--	--	1,410	5,230	7.6	--	--	--	--
434	Qtal 6	8,710-8,777	May 2, 1968	--	84	7,612	2,180	85,148	--	123	832	150,560	--	--	--	246,540	28,000	--	6.7	--	--	--	
		4,430-4,461	June 11, 1968	--	188	5,280	1,507	64,405	--	332	1,210	112,210	--	--	--	185,132	19,400	--	6.9	--	--	--	--
436	Qal Rg	--	Apr. 25, 1977	35	--	393	77	680	--	520	970	940	.4	<.4	--	3,370	1,300	4,600	7.7	--	--	--	--
501	Qal Rg	76	Sept. 3, 1956	--	--	--	--	--	--	378	864	1,120	--	--	--	--	1,340	5,010	7.5	--	--	--	
		17	Dec. 17, 1969	--	--	116	25	--	--	418	356	160	--	--	--	--	392	1,740	7.4	--	--	--	
		42	do	--	--	142	27	--	--	454	398	210	--	--	--	--	466	1,990	7.9	--	--	--	--

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)	
JL-49-31-516	Qal Rg	80	Sept. 3, 1956	--	--	--	--	--	--	418	--	630	--	--	--	--	725	3,650	7.7	--	--	--	
		80	June 20, 1971	--	--	240	61	--	--	350	1,000	750	--	--	--	--	--	860	4,360	7.8	--	--	--
520	Qal Rg	--	May 18, 1977	35	--	391	52	443	--	412	900	650	0.3	0.9	--	2,680	1,190	3,550	7.8	--	--	--	
527	Qal Rg	180	Jan. 13, 1976	13	--	154	80	950	--	124	1,470	850	1.1	3.6	--	3,580	710	5,010	8.1	--	--	--	
601	Qtal 6	240	May 16, 1958	--	0.2	400	9	--	--	244	286	2,010	.4	--	--	5,040	1,360	--	8.1	--	--	--	
		240	May 17, 1974	2	--	222	83	1,210	--	34	750	1,940	.8	.6	--	4,230	900	5,900	6.9	--	--	--	
701	Qal Rg	174	May 11, 1957	33	--	196	35	444	7	343	624	498	.6	.5	0.3	2,010	633	3,100	7.5	60	--	--	
		174	July 21, 1971	--	--	330	62	--	--	332	950	800	--	--	--	--	1,100	4,290	7.7	--	--	--	
705	Qal Rg	130	Apr. 20, 1977	30	--	159	28	246	--	429	424	204	.6	2.1	--	1,310	510	1,850	7.8	--	--	--	
710	Qal Rg	130	July 21, 1971	--	--	190	37	--	--	406	530	340	--	--	--	--	300	2,510	8.0	--	--	--	
		130	Apr. 20, 1977	33	--	182	37	312	37	410	497	347	.4	< .4	--	1,620	610	2,350	7.9	--	--	--	
712	Qal Rg	200	Aug. 28, 1956	--	--	--	--	--	--	304	--	770	--	--	--	--	582	3,540	7.6	--	--	--	
718	Qal Rg	100	Jan. 16, 1976	4	--	54	22	227	--	212	279	186	.4	< .4	--	880	226	1,480	8.0	--	--	--	
801	Qal Rg	100	July 20, 1971	--	--	220	49	--	--	402	730	630	--	--	--	--	420	3,650	7.8	--	--	--	
808	Qal Rg	144	Sept. 4, 1956	--	--	--	--	--	--	304	--	265	--	--	--	--	610	2,010	7.7	--	--	--	
810	Qal Rg	132	Aug. 26, 1970	27	--	121	26	371	4	245	365	455	.5	> .4	--	1,490	408	2,250	--	--	--	--	
811	Qal Rg	74	Sept. 4, 1956	--	--	--	--	--	--	360	--	1,040	--	--	--	--	1,400	4,430	7.6	--	--	--	
		100	Aug. 28, 1956	--	--	--	--	--	--	328	--	260	--	--	--	--	566	2,130	7.5	--	--	--	
813	Qal Rg	100	Apr. 20, 1977	30	--	254	46	369	--	423	700	408	.5	1	--	2,010	820	2,760	7.7	--	--	--	
		85	do	33	--	280	48	370	--	393	740	460	.5	2	--	2,130	900	2,920	7.7	--	--	--	
816	Qal Rg	79	Sept. 4, 1956	--	--	--	--	--	--	379	--	520	--	--	--	--	980	3,040	7.7	--	--	--	
		79	Aug. 26, 1970	12	--	245	62	315	9	250	740	426	.7	> .4	--	1,930	870	2,660	7.3	--	--	--	
817	Qal Rg	120	Apr. 25, 1977	38	--	300	61	405	--	460	850	459	.5	> .4	--	2,350	1,020	3,150	7.6	--	--	--	
819	Qal Rg	110	Sept. 5, 1956	--	--	--	--	--	--	350	--	260	--	--	--	--	630	1,990	7.7	--	--	--	
824	--	--	Aug. 31, 1956	--	--	--	--	--	--	373	--	282	--	--	--	--	695	2,230	7.6	--	--	--	
825	--	--	Sept. 5, 1956	--	--	--	--	--	--	352	--	1,010	--	--	--	--	1,130	4,220	7.5	--	--	--	
836	Qtal 6	210	Aug. 31, 1956	--	--	--	--	--	--	296	--	402	--	--	--	--	533	2,400	7.6	--	--	--	
839	Qal Rg	105	Feb. 14, 1974	32	--	336	53	500	--	311	469	960	.6	.4	--	2,500	1,060	3,700	7.6	--	--	--	
845	Qal Rg	--	Apr. 20, 1977	32	--	556	102	570	--	366	810	1,390	.3	.4	--	3,630	1,810	5,050	7.7	--	--	--	
847	Qal Rg	90	Aug. 27, 1969	40	--	360	70	550	9	530	1,030	640	1.2	< .4	--	2,960	1,190	3,840	7.5	--	--	--	
901	Qtal 6	324-344	Apr. 15, 1957	1	--	--	--	1,550	--	41	273	3,400	--	--	--	--	1,650	10,000	7.2	67	--	--	
		324-344	do	16	.1	534	103	1,485	--	51	275	3,300	--	--	--	--	5,767	1,759	10,200	7.4	--	--	--
		793-813	Apr. 17, 1957	31	.01	163	18	975	--	65	438	1,480	.8	.5	--	3,140	480	5,370	7.8	82	--	--	
		793-813	do	24	.05	170	18	978	--	74	479	1,460	--	--	--	3,240	503	5,465	7.9	--	--	--	
		1,325-1,345	Apr. 18, 1957	--	--	--	--	2,910	--	17	791	7,250	--	--	--	--	4,570	20,000	6.6	57	--	--	
		1,325-1,345	do	18	.2	2,032	14	2,763	--	22	788	7,300	--	--	--	12,940	5,083	20,800	7.2	--	--	--	
		1,596-1,616	Apr. 19, 1957	--	--	--	--	4,490	--	31	1,110	8,620	--	--	--	--	3,610	23,800	7.2	73	--	--	
1,596-1,616	do	16	.1	1,470	38	4,400	--	34	1,100	8,650	--	--	--	15,711	3,831	25,450	7.5	--	--	--			

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)	Dis-solved solids	Total hardness as CaCO ₃	Specific conductance (micromhos at 25°C)	pH	Percent sodium	Sodium adsorption ratio (SAR)	Residual sodium carbonate (RSC)	
JL-49-31-902	Qtal 6	315	gy Mar. 4, 1964	--	0.10	111	24	130	--	233	188	199	0.6	0.4	--	890	375	1,542	7.8	--	--	--	
		315	gy Jan. 4, 1965	--	.04	56	10	102	--	226	102	86	.6	.4	--	580	182	888	7.8	--	--	--	
		315	gy do	--	.04	58	14	101	--	227	102	85	.5	.4	--	590	201	905	7.9	--	--	--	
		315	gy Jan. 7, 1967	--	.04	54	13	104	--	231	90	92	.5	.4	--	590	188	910	7.8	--	--	--	
		315	gy Feb. 12, 1968	--	.06	55	11	106	--	227	100	92	.5	.4	--	590	185	930	7.9	--	--	--	
		315	gy Jan. 2, 1969	--	.04	57	14	100	--	229	100	86	.6	.4	--	590	198	924	7.7	--	--	--	
		315	gy Jan. 9, 1970	--	<.02	130	26	141	--	233	220	233	.5	.4	--	980	432	1,696	7.7	--	--	--	
		315	gy Aug. 25, 1970	31	--	131	25	138	5	235	205	237	.4	.4	--	890	430	1,400	7.8	--	--	--	
		315	gy Jan. 20, 1971	--	--	133	25	138	--	234	220	237	.4	.4	--	990	438	1,705	7.7	--	--	--	
903	Qal Rg	135	gy Sept. 10, 1956	--	--	--	--	--	--	321	--	252	--	--	--	595	2,110	7.7	--	--	--		
910	Qtal 6	310	gy Mar. 4, 1964	--	.20	83	19	118	--	199	177	146	.6	.4	--	740	285	1,275	7.8	--	--	--	
		310	gy Jan. 4, 1965	--	.29	78	16	113	--	195	154	132	.6	.4	--	690	261	1,165	7.7	--	--	--	
		310	gy do	--	.46	66	12	112	--	168	132	134	.4	.4	--	620	216	1,035	7.9	--	--	--	
		310	gy Jan. 7, 1967	--	.14	72	17	109	--	194	164	126	.5	.4	--	680	247	1,100	7.8	--	--	--	
		310	gy Feb. 12, 1968	--	.58	31	9	97	--	155	50	107	.4	.4	--	450	116	745	8.0	--	--	--	
		310	gy Jan. 2, 1969	--	.30	39	8	174	--	227	117	152	.7	.4	--	720	131	1,184	8.0	--	--	--	
911	Qtal 6	315	gy Mar. 4, 1964	--	.06	54	12	104	--	229	108	85	.7	.4	--	590	186	940	7.9	--	--	--	
		315	gy Jan. 4, 1965	--	.08	114	24	133	--	231	192	209	.6	.4	--	900	385	1,576	7.7	--	--	--	
		315	gy do	--	.14	119	24	135	--	229	207	211	.5	.4	--	930	398	1,576	7.8	--	--	--	
		315	gy Jan. 7, 1967	--	.04	117	25	133	--	232	176	232	.5	.4	--	920	395	1,584	7.8	--	--	--	
		315	gy Feb. 12, 1968	--	.22	122	26	137	--	234	184	232	.5	.4	--	940	410	1,672	7.8	--	--	--	
		315	gy Jan. 2, 1969	--	.16	144	23	138	--	233	226	249	.6	.4	--	1,020	457	1,804	7.7	--	--	--	
		315	gy Jan. 9, 1970	--	<.02	56	12	105	--	228	99	88	.5	.4	--	590	191	906	7.9	--	--	--	
		315	gy Jan. 20, 1971	--	--	59	11	102	--	228	102	89	.5	.4	--	590	192	903	7.8	--	--	--	
914	Qtal 6	85	gy May 16, 1974	22	--	138	43	311	--	255	322	459	.6	.4	--	1,420	520	2,050	7.8	--	--	--	
32-301	Qtal 6	643	gy Apr. 29, 1952	14	--	50	24	786	--	212	661	760	--	--	--	2,400	224	3,980	8.1	88	--	--	
501	Qtal 6	521	gy Apr. 30, 1952	35	--	23	8	426	--	204	322	365	--	.2	--	1,280	90	2,180	8.4	91	--	--	
504	Qtal 6	1,073	ly Nov. 16, 1971	--	.70	96	35	3,628	--	--	2,212	4,050	3.55	--	--	10,176	384	--	7.9	97	--	--	
505	Qtal 6	1,305	ly Jan. 10, 1972	--	.65	106	31	3,667	--	--	2,241	4,100	3.88	--	--	10,300	394	--	8.3	96	--	--	
703	Qtal 6	250	ly June 18, 1967	--	.03	18	5	--	--	--	113	140	.01	--	--	435	66	--	8.0	--	--	--	
705	Qtal 6	261	ly June 5, 1970	20	1.6	370	138	489	--	--	386	1,405	.91	--	--	3,024	1,394	--	7.5	49	--	--	
706	Qtal 6	253	ly do	25	1.6	152	44	300	--	--	202	590	.94	--	--	1,525	560	--	7.7	60	--	--	
39-102	Qal Rg	125	gy June 11, 1971	--	--	290	63	--	--	61	1,000	780	--	--	--	990	4,100	7.8	--	--	--		
202	Qtal 6	1,275-1,295	Mar. 11, 1957	22	.02	20	.7	450	2.4	77	696	165	3.6	0	--	1,400	53	2,190	8.1	95	--	--	
		1,454-1,473	Apr. 10, 1957	25	--	15	.4	384	2.0	88	523	178	--	0	--	1,170	39	1,820	8.5	95	--	--	
		1,647	Jan. 19, 1959	24	.02	12	.3	366	1.8	98	476	180	3.4	0	0.84	1,110	31	1,749	8.6	--	--	--	
		1,647	May 7, 1968	--	<.01	12	.0	--	--	--	464	185	.02	.14	--	1,109	--	--	8.7	--	--	--	
		1,647	Sept. 26, 1969	--	.04	9	1	329	--	--	438	165	2.85	0	--	1,000	26	--	9.3	--	--	--	
		1,647	Mar. 25, 1970	25	.04	10	.5	455	--	--	695	165	2.5	--	--	1,366	28	--	8.9	--	--	--	
		1,647	Dec. 21, 1970	--	.22	10	.5	464	--	--	735	165	5.0	--	--	1,413	26	--	9.4	--	--	--	
		1,647	Mar. 11, 1971	--	--	10	.6	--	--	--	41	650	170	--	--	--	28	2,020	9.0	--	--	--	
		1,647	Mar. 25, 1971	31	--	8	.5	479	--	--	51	740	169	--	--	--	1,461	22	1,750	9.2	--	--	--
		1,647	Sept. 20, 1973	4	--	4	1	425	--	--	24	600	181	3.8	.6	--	1,250	11	2,240	9.7	--	--	--
		1,647	Apr. 20, 1977	13	--	9	1	451	--	--	27	680	172	3.4	.4	--	1,350	28	1,980	9.2	--	--	--
		204	Qal Rg	90	gy Sept. 5, 1956	--	--	--	--	--	--	422	--	770	--	--	--	1,160	3,880	7.5	--	--	--
				90	gy Dec. 9, 1969	--	--	222	39	--	--	484	622	400	--	--	--	714	2,890	7.5	--	--	--
205	Qal Rg	156	gy Aug. 31, 1956	--	--	--	--	--	--	298	--	1,010	--	--	--	1,220	4,180	7.7	--	--	--		
		6.5	gy Dec. 9, 1969	--	--	71	16	--	--	278	274	198	--	--	--	243	1,560	7.8	--	--	--		
		13.2	gy do	--	--	107	20	--	--	338	302	190	--	--	--	350	1,630	8.1	--	--	--		
		41	gy do	--	--	158	27	--	--	274	448	372	--	--	--	505	2,330	7.4	--	--	--		

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)		
JL-49-39-207	Qtal 6	1,357-1,381	by June 6, 1959	--	0.02	30	2	--	--	63	572	159	0.7	--	--	1,470	86	--	7.0	--	--	--		
		1,462-1,487	by do	--	.02	14	0	--	--	65	396	198	.7	--	--	1,080	46	--	7.9	--	--	--		
		1,613-1,637	by June 7, 1959	--	.02	12	0	--	--	83	286	178	.7	--	--	958	26	--	6.9	--	--	--		
		1,704-1,728	by June 9, 1959	--	.02	11	1	--	--	110	396	210	.7	--	--	1,540	33	--	7.9	--	--	--		
		1,794-1,818	by do	18	--	17	.8	448	2,3	97	570	242	2.9	0.2	--	46	2,120	--	8.0	--	--	--		
208	Qtal 6	490-506	by Feb. 1956	--	--	144	17	1,102	--	--	1,800	625	--	--	--	3,556	428	--	--	87	--	--		
		715-747	by do	--	--	380	59	2,308	--	--	5,600	213	--	--	--	7,486	1,192	--	--	84	--	--		
		806-830	by do	--	--	414	89	2,137	--	--	5,400	246	--	--	--	1,400	--	--	--	81	--	--		
		1,003-1,017	by do	--	--	413	77	2,446	--	--	5,800	410	--	--	--	9,114	1,348	--	--	83	--	--		
211	Qal Rg	140	by Aug. 28, 1956	--	--	--	--	--	--	323	--	312	--	--	--	668	2,260	7.5	--	--	--			
214	Qal Rg	84	by Sept. 5, 1956	--	--	--	--	--	--	340	--	3,390	--	--	--	1,890	11,000	7.6	--	--	--			
216	Qal Rg	185	by Sept. 3, 1956	--	--	--	--	--	--	240	--	2,360	--	--	--	--	1,680	8,030	7.6	--	--	--		
		40	by Jan. 13, 1976	13	--	88	15	204	--	--	253	264	187	.6	--	900	285	1,490	7.3	--	--	--		
		140	by do	29	--	364	64	760	--	--	320	670	1,300	.6	13	3,340	1,120	5,160	7.5	--	--	--		
222	Qal Rg	120	by June 11, 1971	--	--	230	43	--	--	254	680	220	--	--	--	--	760	2,740	7.7	--	--	--		
		120	by Aug. 22, 1972	--	--	--	--	--	--	264	860	1,500	--	--	--	--	1,100	6,200	7.6	--	--	--		
225	Qal Rg	140	by Aug. 28, 1956	--	--	--	--	--	--	359	--	1,850	--	--	--	--	1,275	7,240	7.5	--	--	--		
303	Qtal 6	328	by July 19, 1956	32	--	38	8.4	132	3.8	230	103	91	.5	--	--	522	129	851	8.0	--	--	--		
		328	by Mar. 4, 1964	--	.04	34	9	117	--	220	93	76	.7	--	--	550	121	844	7.9	--	--	--		
		328	by Jan. 4, 1965	--	.02	35	7	117	--	210	90	75	.6	--	--	540	115	808	7.9	--	--	--		
		328	by do	--	.04	36	7	115	--	207	96	73	.5	--	--	560	117	792	8.0	--	--	--		
		328	by Jan. 7, 1967	--	.04	35	9	111	--	211	79	78	.5	--	--	520	122	815	8.0	--	--	--		
		328	by Feb. 12, 1968	--	.06	35	9	117	--	211	88	80	.5	--	--	540	124	830	8.0	--	--	--		
		328	by Jan. 2, 1969	--	.84	47	11	91	--	168	98	87	.5	--	--	500	165	820	8.0	--	--	--		
		328	by Jan. 9, 1970	--	.02	39	7	114	--	210	96	77	.6	--	--	540	128	816	8.0	--	--	--		
		328	by Jan. 20, 1971	--	--	40	8	112	--	209	97	80	.5	--	--	550	134	825	8.1	--	--	--		
		304	Qtal 6	350	by Mar. 4, 1964	--	.02	32	8	175	--	224	116	144	.7	--	--	700	116	1,170	8.0	--	--	--
				350	by Jan. 4, 1965	--	.02	33	8	178	--	223	116	147	.6	--	--	710	114	1,152	8.0	--	--	--
				350	by do	--	.02	35	8	182	--	222	119	149	.5	--	--	720	118	1,135	8.1	--	--	--
350	by Jan. 9, 1967			--	.02	33	9	178	--	226	96	154	.5	--	--	700	121	1,146	8.0	--	--	--		
350	by Feb. 12, 1968			--	.06	37	9	179	--	227	113	158	.5	--	--	720	129	1,200	8.0	--	--	--		
350	by Jan. 2, 1969			--	.42	37	9	107	--	209	88	76	.9	--	--	530	130	820	8.0	--	--	--		
350	by Jan. 9, 1970			--	.02	40	8	182	--	226	118	157	.5	--	--	730	135	1,166	8.2	--	--	--		
350	by Jan. 20, 1971			--	--	41	8	177	--	227	114	160	.4	--	--	730	137	1,192	8.0	--	--	--		
308	Qal Rg			169	by May 4, 1977	35	--	257	40	300	--	384	610	361	.4	--	--	1,790	810	2,500	7.7	--	--	--
311	Qal Rg	171	by Aug. 10, 1956	--	--	--	--	--	--	472	--	552	--	--	--	340	2,210	7.4	--	--	--			
313	Qal Rg	194	by do	--	--	--	--	--	--	221	--	165	--	--	--	134	1,070	8.2	--	--	--			
315	Qal Rg	200	by Aug. 31, 1956	--	--	--	--	--	--	336	521	442	--	--	--	760	2,690	7.7	--	--	--			
317	Qtal 6	217	by May 4, 1977	35	--	236	36	320	--	248	550	382	.5	.8	--	1,770	740	2,500	7.6	--	--	--		
318	Qal Rg	204	by Aug. 6, 1956	--	--	--	--	--	--	233	--	150	--	--	--	130	1,130	8.5	--	--	--			
319	Qal Rg	160	by Aug. 31, 1956	--	--	--	--	--	--	363	--	298	--	--	--	740	2,170	7.8	--	--	--			
322	Qal Rg	192	by Sept. 6, 1956	--	--	--	--	--	--	322	--	600	--	--	--	660	3,120	7.7	--	--	--			
328	Qal Rg	176	by July 20, 1971	--	--	290	42	--	--	396	840	510	--	--	--	890	3,380	7.7	--	--	--			
329	Qal Rg	153	by Aug. 31, 1956	--	--	--	--	--	--	355	--	750	--	--	--	--	870	3,770	7.6	--	--	--		
		153	by Dec. 9, 1969	--	--	135	31	--	--	212	560	485	--	--	--	--	464	2,780	7.7	--	--	--		
		153	by July 20, 1971	--	--	380	50	--	--	448	1,000	900	--	--	--	--	1,100	4,710	7.7	--	--	--		

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)		
JL-49-39-331	Qal Rg	114	Sept. 5, 1956	--	--	--	--	--	--	333	--	1,570	--	--	--	1,380	5,920	7.5	--	--	--	--		
		114	Jan. 14, 1976	14	--	102	24	285	--	--	296	341	271	0.6	< 0.4	--	1,180	354	1,900	8.3	--	--	--	
332	Qal Rg	147	Sept. 5, 1956	--	--	--	--	--	--	370	--	325	--	--	--	--	580	2,250	7.6	--	--	--	--	
333	Qal Rg	147	do	--	--	--	--	--	--	313	--	448	--	--	--	--	510	2,680	7.8	--	--	--	--	
334	Qal Rg	187	July 1956	33	--	152	29	342	--	294	389	418	--	.5	--	1,510	498	2,400	7.6	--	--	--	--	
		187	July 21, 1971	--	--	330	70	--	--	360	950	880	--	--	--	--	1,100	4,490	7.7	--	--	--	--	
		187	Aug. 24, 1972	--	--	--	--	--	--	296	520	520	--	--	--	--	720	2,950	8.0	--	--	--	--	
344	Qal Rg	110	May 18, 1961	16	--	114	13	175	10	164	278	218	--	--	--	1,002	--	--	7.0	52	--	--	--	
		237	do	14	--	78	10	130	10	176	202	125	--	--	--	--	741	--	--	7.0	53	--	--	--
		350-370	do	12	--	66	9	145	8	132	198	149	--	--	--	--	850	--	--	7.0	60	--	--	--
345	Qal Rg	130-140	June 24, 1961	14	--	129	33	320	12	274	379	390	--	--	--	1,597	--	--	6.8	60	--	--	--	
		300	do	10	--	72	13	175	8	210	160	202	--	--	--	--	875	--	--	7.0	61	--	--	--
		380-400	do	12	--	75	15	200	10	208	185	237	--	--	--	--	957	--	--	7.0	62	--	--	--
346	Qal Rg	107-123	Jan. 12, 1970	61	0.10	134	9	650	--	240	407	408	--	--	--	1,866	444	--	8.4	--	--	--	--	
		257-291	do	23	.05	84	4	200	--	240	120	116	--	--	--	772	252	--	8.3	--	--	--	--	
		380-396	do	34	.05	63	4	260	--	216	191	125	--	--	--	869	215	--	8.2	--	--	--	--	
		527-543	do	10	.05	167	5	380	--	216	177	132	--	--	--	982	248	--	8.3	--	--	--	--	
40-102	Qtal 6	198	Sept. 3, 1956	--	--	--	--	--	--	318	--	540	--	--	--	--	680	2,980	7.7	--	--	--	--	
		198	Oct. 25, 1973	--	.04	192	41	716	--	--	--	950	750	50	--	--	2,981	650	3,100	7.7	75	--	--	--
104	Qtal 6	400	Feb. 5, 1960	--	.13	420	165	--	--	--	466	1,906	--	--	--	5,120	1,730	--	7.4	--	--	--	--	
		400	Jan. 16, 1976	30	--	441	170	770	--	73	426	2,100	2,100	.3	> .4	--	3,470	1,800	6,300	7.9	--	--	--	--
105	Qal Rg	108-126	Jan. 27, 1970	--	.05	554	84	250	--	336	526	441	--	--	--	2,136	1,200	2,300	8.0	--	--	--	--	
		234-252	do	--	.05	227	58	280	--	308	325	246	--	--	--	1,397	554	1,550	8.2	--	--	--	--	
		318-336	do	--	.05	143	23	390	--	308	293	242	--	--	--	1,348	314	1,500	8.5	--	--	--	--	
		549-567	do	--	.05	151	37	470	--	266	322	300	--	--	--	1,447	365	1,600	8.1	--	--	--	--	
106	Qal Rg	190	July 13, 1953	--	--	348	--	460	--	--	--	--	--	--	2,310	--	3,590	7.3	54	--	--	--		
405	Qtal 6	428	Sept. 15, 1960	8	.21	36	7	100	8	194	100	59	--	--	--	530	43	820	7.0	63	--	--	--	
		428	Apr. 25, 1962	29	--	40	11	208	3.6	218	143	195	1.4	.5	--	738	145	1,250	7.7	--	--	--	--	
		428	Feb. 11, 1976	28	--	91	18	287	--	214	192	387	1.1	> .4	--	1,110	304	1,860	7.7	--	--	--	--	
412	Qtal 6	250-270	Mar. 7, 1961	14	--	54	7	181	8	142	241	112	--	--	--	800	61	--	6.8	69	--	--	--	
		390-410	do	10	--	40	5	150	5	144	159	120	--	--	--	700	45	--	6.8	72	--	--	--	
		160	May 17, 1974	6	--	13	3	209	--	178	55	205	1.4	.4	--	580	45	1,040	8.1	--	--	--	--	
		300	do	24	--	48	13	253	--	224	177	255	1.6	.2	--	880	176	1,460	7.7	--	--	--	--	
416	Qal Rg	128	Sept. 1956	--	--	573	--	582	--	--	--	--	--	--	4,180	--	6,300	--	47	--	--	--		
502	Qtal 6	257	Feb. 11, 1976	30	--	46	9	206	3	282	173	147	1.2	< .4	--	750	151	1,170	8.0	--	--	--	--	
503	Qtal 6	420	July 19, 1956	30	--	120	30	362	--	209	237	560	.9	.2	--	1,444	423	2,500	7.8	--	--	--	--	
512	Qtal 6	190-210	Aug. 19, 1976	27	--	66	18	386	6	251	306	419	.6	.4	--	1,350	240	2,160	8.0	--	--	--	--	
		190-210	do	--	8.4	68	15	460	--	--	414	420	.62	--	--	1,633	232	2,000	8.5	84	--	--	--	
		400-420	Aug. 18, 1976	30	--	156	42	433	10	178	307	760	.3	.4	--	1,830	560	2,920	7.6	--	--	--	--	
		400-420	do	--	4.0	164	36	563	--	--	518	770	.27	--	--	2,244	560	2,650	8.1	73	--	--	--	
		670-690	Aug. 17, 1976	32	--	120	30	405	10	138	273	650	.4	.4	--	1,590	422	2,600	7.7	--	--	--	--	
		670-690	do	--	11.0	120	29	477	--	--	403	650	.34	--	--	1,836	420	2,850	8.1	75	--	--	--	
		960-980	do	29	--	360	95	1,520	16	73	423	3,010	.5	.4	--	5,500	1,290	8,200	7.3	--	--	--	--	
960-980	do	--	2.1	352	90	1,449	--	--	--	576	2,650	.39	--	--	5,193	1,250	9,500	7.7	77	--	--	--		
513	Qtal 6	250	June 1, 1977	38	--	203	43	660	--	334	760	780	1.1	4.0	--	2,650	680	3,720	7.9	--	--	--	--	
601	Qtal 6	350	Apr. 6, 1960	42	--	47	16	440	--	180	201	555	--	.8	--	1,390	184	2,400	7.5	--	--	--	--	
		250	May 18, 1974	21	--	55	19	427	--	201	172	560	2.2	.4	--	1,360	217	2,290	7.7	--	--	--	--	

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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)
JL-49-40-602	Qtal 6	350	g/ Feb. 11, 1976	44	--	86	4	331	12	192	205	436	1.4	< 0.4	--	1,210	231	1,980	8.0	--	--	--
707	Qal Rg	40 140	g/ Jan. 14, 1976 do	14 17	-- --	91 420	18 85	169 990	-- --	282 437	240 1,310	145 1,330	.8 .4	< .4 3.4	-- --	820 4,370	302 1,400	1,290 5,980	8.3 8.0	-- --	-- --	-- --
710	Qtal 6	234	g/ --	--	--	223	15	379	5.8	344	433	505	--	< 1.0	--	1,694	--	2,733	8.1	57	6.6	--
712	Qtal 6	232	g/ June 1, 1977	33	--	246	31	309	--	321	530	452	.3	< .4	--	1,750	740	2,520	7.7	--	--	--
801	Qal Rg Qtal 6	182-214 314-338 419-443 524-548 636-660 737-761 846-875 973-1,002 1,078-1,104	ly June 23, 1959 do do ly June 24, 1959 do ly June 25, 1959 do ly June 27, 1959 do	-- -- -- -- -- -- -- -- --	0.02 .02 .02 .02 .02 .02 .02 .02 .02	22 210 1,128 1,248 1,340 1,840 328 408 651	0 9 138 240 234 332 29 65 95	-- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- --	217 239 89 61 52 38 58 72 79	80 320 480 560 800 1,080 1,086 1,730 4,560	89 890 4,870 6,930 7,560 9,400 2,890 4,200 6,800	.5 .5 .8 1.0 1.0 1.1 .6 .6 1.2	-- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- --	517 2,559 10,769 13,768 15,500 19,400 6,690 10,900 18,700	52 564 3,390 4,210 4,320 5,980 940 1,290 2,020	-- -- -- -- -- -- -- -- --	7.3 7.3 7.1 7.1 7.4 7.2 7.6 7.6 7.2	-- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- --
803	Qtal 6	213	g/ --	--	--	274	43	357	7.8	334	538	569	--	< 1.0	--	1,959	--	3,160	7.9	47	5.3	--
806	Qal Rg	200	g/ May 9, 1972	32	--	262	67	500	--	212	760	760	.8	2.0	--	2,490	930	3,500	7.6	--	--	--
808	Qal Rg	200	g/ Nov. 10, 1951	--	--	208	--	258	--	--	--	--	--	--	--	1,390	--	2,080	7.6	52	--	--
810	Qal Rg	205	g/ Apr. 6, 1964	--	--	437	48	580	--	340	521	885	--	--	--	2,750	887	--	8.0	55	--	--
811	Qal Rg	44- 54 66- 76 110-120 121	g/ June 24, 1964 do do g/ May 9, 1972	-- -- -- 37	-- -- -- --	398 347 146 345	-- -- -- 77	-- -- -- 580	-- -- -- --	-- -- -- 497	761 567 391 890	945 940 590 810	-- -- -- .7	-- -- -- 2.0	-- -- -- --	3,176 2,993 1,792 2,990	-- -- -- 1,180	-- -- -- 4,000	-- -- -- 7.6	-- -- -- --	-- -- -- --	-- -- -- --
812	Qal Rg	152	g/ Apr. 6, 1964	--	--	392	44	230	--	292	500	510	--	--	--	1,730	798	--	8.3	35	--	--
813	Qal Rg	159 159	ly June 6, 1968 ly May 9, 1972	-- 32	-- --	-- 245	-- 59	512 530	-- --	-- 268	682 810	790 690	-- .8	-- 2.0	-- --	2,554 2,500	888 850	-- 3,470	7.7 7.9	20 --	-- --	-- --
HUDSPETH COUNTY																						
PD-48-33-707	Qal Rg	63 63	g/ 1951 g/ May 1955	-- --	-- --	125 76	36 54	498 667	-- --	-- 242	-- 437	605 867	-- --	-- --	-- --	1,960 2,271	-- --	-- 3,500	-- --	70 78	-- 14.5	-- --
711	Qal Rg	125	g/ June 15, 1955	--	--	188	105	1,058	--	--	--	--	--	--	--	3,513	--	5,500	--	72	15.3	--
712	Qal Rg	90	g/ do	--	--	160	118	1,007	--	--	--	--	--	--	--	3,197	--	5,000	--	71	14.6	--
713	Qtal 6	225	g/ do	--	--	136	116	1,346	--	--	--	--	--	--	--	4,028	--	6,300	--	78	20.9	--
714	Qal Rg	90	g/ do	--	--	124	131	1,012	--	--	--	--	--	--	--	3,197	--	5,000	--	72	14.6	--
34-801	Qtal 6	906	g/ Dec. 11, 1959	--	--	77	16	837	--	154	1,440	310	4.4	4.2	--	2,780	258	3,730	7.0	88	24.2	--
41-102	Qal Rg	130 130	g/ May 1955 g/ Apr. 8, 1974	-- 28	-- --	112 312	82 65	943 860	-- --	294 406	548 1,040	1,219 1,090	-- 1.9	-- 1.0	-- --	3,116 3,600	-- 1,050	4,800 4,730	-- 7.6	76 64	16.7 11.5	-- --
103	Qal Rg	100	g/ do	37	--	334	83	1,090	--	381	1,160	1,480	2.1	.8	--	4,370	1,180	5,800	7.6	67	13.8	--
104	Qal Rg	189	g/ May 1955	--	--	86	73	736	--	329	456	957	--	--	--	2,470	--	3,800	--	76	15.5	--
202	Qal Rg	132 132	g/ do g/ July 23, 1956	-- --	-- --	204 246	89 66	943 802	-- 14	344 382	720 871	1,321 1,040	-- --	-- --	-- --	3,447 3,270	-- --	5,300 4,990	-- 7.6	70 66	13.6 12.0	-- --

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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-48-41-203	Qal Rg	153	June 11, 1955	--	--	226	79	964	--	--	--	--	--	--	--	3,771	--	5,900	--	70	13.9	--	
204	Qal Rg	159	do	--	--	210	72	667	--	--	--	--	--	--	--	3,580	--	4,700	--	64	10.3	--	
205	Qal Rg	120	do	--	--	190	79	736	--	--	--	--	--	--	--	3,131	--	4,900	--	67	11.4	--	
207	Qal Rg	142	do	--	--	401	128	1,495	--	--	--	--	--	--	--	6,321	--	9,900	--	68	16.5	--	
208	Qal Rg	80	do	--	--	329	105	1,826	--	--	--	--	--	--	--	6,387	--	10,000	--	76	22.4	--	
211	Qal Rg	150	May 1955	--	--	114	82	886	--	257	605	1,106	--	--	--	2,925	--	4,500	--	76	15.4	--	
212	Qal Rg	92	June 11, 1955	--	--	160	63	506	--	--	--	--	--	--	--	2,301	--	3,600	--	62	8.8	--	
213	Qal Rg	81	do	--	--	180	75	644	--	--	--	--	--	--	--	3,102	--	3,300	--	65	10.3	--	
223	Qtal 6	160	do	--	--	226	71	1,132	--	--	--	--	--	--	--	4,219	--	6,600	--	74	17.0	--	
501	Qal Rg	68	May 1955	--	--	565	250	1,622	--	308	889	2,415	--	--	--	6,821	--	10,500	--	59	14.4	--	
602	Qtal 6	253-273 309-329 2,300-2,335	Feb. 1957 do Mar. 7, 1957	--	--	--	--	--	--	--	--	1,400	--	--	--	3,527 2,791 30,500	--	--	--	--	--	--	--
604	Qtal 6	100	May 1955	--	--	551	198	1,651	--	367	865	3,113	--	--	--	6,821	--	10,500	--	62	15.3	--	
605	Qtal 6	102 102	Nov. 1, 1973 Jan. 3, 1974	--	0.06 .05	600 1,184	291 281	1,050 2,237	40	488	2,000 1,075	2,350 5,400	3.0 1.4	<0.05	--	6,822 12,800	2,700 4,120	--	7.6 7.5	--	59	--	--
606	Qal Rg	90	May 1955	--	--	301	153	759	--	286	463	1,627	--	--	--	3,638	--	5,600	--	54	8.9	--	
612	--	--	do	--	--	381	172	1,028	--	262	576	2,096	--	--	--	4,550	--	7,000	--	57	10.9	--	
613	--	--	June 15, 1955	--	--	228	131	794	--	--	--	--	--	--	--	3,388	--	5,300	--	61	10.5	--	
614	Qal Rg	104	do	--	--	200	98	315	--	--	--	--	--	--	--	1,948	--	3,050	--	43	4.6	--	
42-404	Qtal 6	267	Mar. 16, 1973	--	.13	30	14	392	--	259	408	252	2.3	5.5	--	1,360	132	2,256	8.0	--	--	--	
701	Qtal 6	283	July 23, 1956	--	--	181	48	612	86	262	614	810	--	1.0	--	2,440	--	3,870	--	67	--	--	
702	Qtal 6	213 213	Dec. 4, 1961 Aug. 31, 1973	--	1.5 .18	28 79	7.6 20	258 398	3.3	272 237	210 313	157 430	1.4 1.3	.2 .7	--	830 1,480	102 280	1,340 2,656	7.5 8.0	84	--	--	
703	Qtal 6	2,375-2,440	Feb. 1957	--	--	--	--	--	--	--	--	--	--	--	--	33,260	--	--	--	--	--	--	
707	Qal Rg	169	June 15, 1955	--	--	204	123	782	--	--	--	--	--	--	--	3,065	--	4,800	--	63	--	--	
708	Qal Rg	189	Aug. 31, 1973	--	.88	399	105	465	--	279	760	1,000	.8	.5	--	3,010	1,430	5,760	7.5	--	--	--	
711	Qal Rg	163	May 1955	--	--	109	89	644	--	329	668	872	--	--	--	2,470	--	3,800	--	69	11.2	--	
712	Qal Rg	173	do	--	--	204	79	734	--	330	581	1,046	--	--	--	2,793	--	4,300	--	66	11.0	--	
714	Qal Rg	108	do	--	--	204	83	1,070	--	329	764	1,368	--	--	--	3,572	--	5,500	--	73	16.0	--	
715	Qtal 6	210	do	--	--	200	90	759	--	359	696	1,104	--	--	--	2,925	--	4,500	--	65	11.3	--	
726	Qal Rg	110	June 11, 1955	--	--	347	109	1,242	--	--	--	--	--	--	--	5,292	--	7,500	--	67	15.0	--	
727	Qal Rg	140	May 1955	--	--	160	76	851	--	354	701	1,064	--	--	--	2,859	--	4,400	--	72	13.9	--	
730	Qal Rg	60 120	May 21, 1974 do	1 1	-- --	580 710	85 167	1,530 1,920	-- --	0 0	24 9	3,850 4,810	.7 .7	1.0 .6	-- --	6,000 7,600	1,800 2,470	8,850 10,150	8.3 8.3	-- --	-- --	-- --	

See footnotes at end of table.

Table 7.--Chemical Analyses of Water from Selected Wells--Continued

Well	Aquifer	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-48-50-201	Qa1 Rg	90	^u July 1951	--	--	286	64	726	--	--	--	1,076	--	--	--	--	--	--	--	62	--	--
		90	^u May 1955	--	--	419	210	1,426	--	365	1,369	2,514	--	--	--	6,174	--	9,500	--	62	14.0	--
203	Qa1 Rg	80	^u June 15, 1955	--	--	265	199	920	--	--	--	--	--	--	--	4,094	--	6,400	--	--	10.5	--
206	Qa1 Rg	65	^g May 20, 1974	7	--	260	109	1,050	--	310	540	1,760	0.7	73.0	--	3,950	1,100	5,650	7.2	68	13.7	--
604	Qa1 Rg	60	^g do	16	--	520	135	870	--	218	1,120	1,740	1.2	2.7	--	4,510	1,860	5,880	7.4	50	8.7	--
615	Qa1 Rg	60	^g do	2	--	82	62	990	--	23	820	1,190	1.0	59.0	--	3,220	457	4,650	6.1	82	20.0	--
901	Qa1 Rg	--	^u June 15, 1955	--	--	244	303	1,840	--	--	--	--	--	--	--	6,395	--	10,000	--	68	18.6	--
51-702	Qa1 Rg	83	^u do	--	--	220	148	1,265	--	--	--	--	--	--	--	4,476	--	7,000	--	70	16.1	--
713	Qa1 Rg	18	^g Feb. 14, 1974	35	--	217	49	570	--	412	640	720	1.1	.6	--	2,440	750	3,400	7.3	62	9.0	--
802	Qa1 Rg	90	^u June 11, 1955	--	--	455	353	1,587	--	--	--	--	--	--	--	7,034	--	11,000	--	57	13.5	--
804	Qa1 Rg	85	^u June 15, 1955	--	--	315	179	1,099	--	--	--	--	--	--	--	4,470	--	7,000	--	62	12.2	--
805	Qa1 Rg	81	^u do	--	--	321	209	1,380	--	--	--	--	--	--	--	5,307	--	8,300	--	64	14.8	--
901	Qa1 Rg	32	^g May 21, 1974	2	--	32	48	910	--	226	660	970	1.6	1.7	--	2,740	280	4,090	7.5	88	23.7	--
		64	^g do	2	--	143	163	2,110	--	72	1,290	2,960	2.1	24.0	--	6,700	1,030	8,700	6.5	82	28.6	--
60-101	Qa1 Rg	60	^g May 21, 1974	7	--	351	136	1,540	--	403	1,240	2,200	1.9	3.1	--	5,700	1,440	7,030	7.6	70	17.6	--
50-04-201	Qa1 Rg	85	^g Jan. 28, 1974	35	--	840	170	1,070	17	331	1,330	2,530	1.7	8.0	--	6,200	2,360	7,320	7.1	--	--	--

^a Analysis made by U.S. Geological Survey.
^b Analysis made by City of El Paso Water Utilities.
^c Analysis made by El Paso Electric Company.
^d Analysis made by El Paso Testing Laboratories.
^e Analysis made by Curtis Laboratories, Houston.
^f Analysis made by Health Unit Laboratory, El Paso.
^g Analysis made by Texas Department of Health.
^h Analysis made by Dickinson Laboratories, El Paso.
ⁱ Analysis made by Texas Agricultural Extension Service.
^j Analysis made by Farm Services Laboratories, El Paso.
^k Analysis made by Martin Water Laboratories, Midland.
^l Analysis made by El Paso Natural Gas Company, El Paso.
^m Analysis made by U.S. Geological Survey-Field Test.
ⁿ Analysis from Texas Water Commission Bulletin 6203.
^o Analysis from Texas Board of Water Engineers Bulletin 5615.
^p Analysis from Texas Water Commission Bulletin 6204.
^q Analysis from Texas Water Development Board Report 153.
^r Analysis obtained from U.S. Army at Fort Bliss, Texas.

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium

Specific conductance, and tons of salt per acre-foot of water, determined by the U.S. Bureau of Reclamation. The equivalent values for dissolved-solids content, in milligrams per liter, are estimates obtained by multiplying the number of tons per acre-foot by 735.

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
El Paso County				
JL-49-03-321	Aug. 1954	—	1.05	772
	Mar. 14, 1956	1,550	1.48	1,088
	Aug. 27, 1956	1,453	1.38	1,014
	June 21, 1963	1,349	1.28	941
	Mar. 31, 1965	830	.79	581
JL-49-03-908	June 1954	—	1.87	1,374
	Apr. 20, 1955	2,140	2.04	1,499
	Mar. 8, 1956	2,320	2.21	1,624
	Aug. 11, 1956	2,378	2.26	1,661
JL-49-03-911	June 1954	—	5.51	4,050
	June 4, 1955	4,340	4.13	3,036
	Mar. 14, 1956	4,300	4.10	3,013
	Aug. 10, 1956	4,482	4.27	3,138
JL-49-03-912	June 8, 1955	1,114	1.06	779
	Mar. 5, 1956	3,200	3.05	2,242
	Aug. 18, 1956	3,066	2.92	2,146
JL-49-03-913	July 1, 1953	1,667	1.59	1,169
	May 12, 1955	1,366	1.30	956
	Mar. 20, 1956	2,010	1.91	1,404
	Aug. 15, 1956	1,875	1.79	1,316
	June 18, 1957	1,953	1.86	1,367
	July 2, 1963	1,979	1.88	1,382
	Mar. 26, 1965	2,275	2.17	1,595
JL-49-03-915	May 1954	—	1.91	1,404
	May 6, 1955	1,971	1.88	1,382
	Mar. 5, 1956	2,350	2.24	1,646
JL-49-03-919	June 1954	—	1.96	1,441
	May 13, 1955	2,048	1.95	1,433
	Mar. 27, 1956	2,147	2.04	1,499
	Sept. 6, 1956	2,433	2.32	1,705
JL-49-03-921	May 19, 1955	1,470	1.40	1,029
	Mar. 20, 1956	1,780	1.70	1,250
JL-49-04-140	May 1954	—	1.41	1,036
	May 10, 1955	968	.92	676
	Mar. 12, 1956	2,400	2.29	1,683

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-04-141	May 1954	—	2.15	1,580
	May 11, 1955	2,000	1.90	1,397
	Aug. 27, 1956	2,013	1.92	1,411
JL-49-04-160	May 16, 1955	1,830	1.74	1,279
	Sept. 18, 1956	2,045	1.95	2,792
	Apr. 21, 1965	2,383	2.27	1,668
JL-49-04-434	May 1954	—	2.02	1,485
	July 9, 1953	2,127	2.03	1,492
	May 16, 1955	1,522	1.45	1,066
	Mar. 19, 1956	2,200	2.10	1,544
JL-49-04-458	May 1954	—	.99	728
	May 28, 1955	1,153	1.10	809
	Mar. 15, 1956	1,500	1.43	1,051
	May 16, 1957	1,948	1.86	1,367
	June 21, 1963	1,613	1.54	1,332
	Mar. 17, 1965	2,092	1.99	1,463
JL-49-04-708	May 1954	—	2.49	1,830
	May 6, 1955	2,425	2.31	1,698
	Mar. 5, 1956	3,000	2.86	2,102
	Aug. 19, 1956	2,524	2.40	1,764
JL-49-04-709	May 1954	—	3.86	2,837
JL-49-04-711	Oct. 4, 1954	1,638	1.56	1,147
	July 17, 1956	1,613	1.54	1,132
JL-49-04-712	Oct. 3, 1954	1,747	1.66	1,220
	May 5, 1955	1,752	1.67	1,227
	July 6, 1956	1,656	1.58	1,161
JL-49-04-717	Oct. 1954	—	1.56	1,447
	May 9, 1955	1,639	1.56	1,147
	July 14, 1956	1,892	1.80	1,323
JL-49-04-718	May 1954	—	1.75	1,286
	Oct. 4, 1954	2,073	1.97	1,448
	Apr. 9, 1956	1,915	1.82	1,338
	June 18, 1957	2,039	1.94	1,426
	Aug. 7, 1963	1,724	1.64	1,205
	Aug. 12, 1964	1,854	1.77	1,301
	Mar. 31, 1965	2,024	1.93	1,419

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-04-724	Aug. 8, 1953	3,553	3.38	2,484
	May 1954	—	2.24	1,646
	May 5, 1955	3,474	3.31	2,433
	Mar. 15, 1956	4,300	4.10	3,014
	Mar. 26, 1965	3,167	3.02	2,220
JL-49-04-727	Mar. 15, 1956	1,900	1.81	1,330
	Aug. 12, 1956	1,650	1.57	1,154
	June 5, 1957	1,717	1.64	1,205
	Mar. 16, 1965	1,864	1.78	1,308
JL-49-04-733	Apr. 1, 1955	1,608	1.53	1,125
	May 11, 1955	2,091	1.99	1,463
	Mar. 14, 1956	1,870	1.78	1,308
	Aug. 19, 1957	1,616	1.54	1,132
	Aug. 5, 1963	2,061	1.96	1,441
	Apr. 12, 1965	2,337	2.23	1,639
JL-49-04-734	May 1954	—	2.45	1,801
	May 1955	—	1.67	1,227
JL-49-04-737	May 16, 1955	2,300	2.19	1,610
	Mar. 5, 1956	2,550	2.43	1,786
	Aug. 19, 1956	2,418	2.30	1,691
	Mar. 1, 1965	2,384	2.27	1,668
JL-49-12-102	May 1954	—	2.58	1,896
	May 12, 1955	2,466	2.35	1,727
	Mar. 22, 1956	3,100	2.95	2,168
	Mar. 14, 1956	2,970	2.83	2,080
	May 24, 1957	2,886	2.75	2,021
	Aug. 8, 1963	2,061	1.96	1,441
	Mar. 31, 1965	2,838	2.70	1,985
JL-49-12-108	July 1, 1953	4,378	4.17	3,065
	May 1954	—	3.55	2,609
	May 16, 1955	3,559	3.39	2,492
	Mar. 14, 1956	3,250	3.10	2,279
	Aug. 14, 1956	3,159	3.01	2,212
JL-49-12-109	Aug. 4, 1953	4,270	4.07	2,991
JL-49-12-110	Aug. 4, 1953	4,412	4.20	3,087
	May 1954	—	3.99	2,933
	May 24, 1957	4,698	4.47	3,285
	Mar. 26, 1965	4,434	4.22	3,102

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-12-123	June 1954	—	3.23	2,374
	May 15, 1955	2,830	2.70	1,985
	Mar. 31, 1965	2,962	2.82	2,073
JL-49-12-127	May 3, 1955	1,860	1.77	1,301
	Mar. 28, 1956	1,919	1.83	1,345
	May 24, 1957	1,942	1.85	1,360
	Mar. 31, 1965	2,067	1.97	1,448
	Apr. 27, 1966	2,089	1.99	1,463
JL-49-12-510	July 17, 1956	4,107	3.91	2,874
	Aug. 13, 1963	2,964	2.82	2,072
	Apr. 23, 1966	2,981	2.84	2,087
JL-49-13-931	May 13, 1955	—	2.19	1,610
	Mar. 28, 1956	2,400	2.29	1,683
	Mar. 12, 1957	—	2.12	1,558
	Mar. 9, 1964	2,190	1.94	1,426
	Apr. 2, 1965	—	2.08	1,529
JL-49-13-937	June 1951	—	2.30	1,691
JL-49-21-307	June 26, 1954	1,377	1.31	963
	Feb. 24, 1955	1,495	1.42	1,044
	Mar. 18, 1956	1,720	1.64	1,205
	June 3, 1957	—	1.46	1,073
	July 8, 1963	1,513	1.44	1,058
JL-49-21-308	Mar. 16, 1955	3,550	3.38	2,484
	Aug. 3, 1956	—	3.05	2,242
	July 3, 1957	—	2.79	2,051
JL-49-22-101	Mar. 23, 1955	2,419	2.30	1,691
	July 11, 1956	—	2.43	1,786
	Apr. 17, 1957	—	2.02	1,485
JL-49-22-109	May 1951	—	3.20	2,352
	Feb. 24, 1954	3,656	3.48	2,558
	Mar. 8, 1955	3,523	3.36	2,470
	Mar. 14, 1956	4,300	4.10	3,014
	Feb. 25, 1957	—	3.80	2,793
	Apr. 6, 1965	—	3.36	2,470
JL-49-22-111	May 20, 1955	—	1.42	1,044
JL-49-22-112	Apr. 1, 1955	2,339	2.23	1,639
	June 10, 1956	—	1.90	1,397

**Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued**

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-22-113	May 1951	—	1.50	1,103
	Feb. 24, 1954	2,536	2.42	1,779
	Mar. 8, 1955	3,785	3.60	2,646
	Mar. 20, 1956	3,800	3.62	2,661
	Mar. 20, 1957	—	3.63	2,668
JL-49-22-114	May 1951	—	2.40	1,764
	Mar. 8, 1955	2,243	2.14	1,573
	Mar. 20, 1956	2,550	2.43	1,786
	Mar. 20, 1957	—	3.49	2,565
JL-49-22-115	Aug. 12, 1956	—	3.43	2,521
	May 21, 1957	—	2.02	1,485
	June 7, 1963	2,504	2.38	1,749
	May 2, 1966	2,408	2.29	1,683
JL-49-22-116	July 1951	—	1.56	1,147
	Sept. 1951	—	1.54	1,132
	Mar. 3, 1954	1,830	1.74	1,279
	Mar. 15, 1955	1,966	1.87	1,374
	June 8, 1956	—	1.95	1,433
	Mar. 19, 1957	—	2.03	1,492
	Mar. 22, 1964	2,320	2.05	1,507
	June 2, 1966	2,300	2.19	1,610
JL-49-22-117	Mar. 21, 1954	1,368	1.30	956
	Aug. 12, 1956	—	2.40	1,764
	Apr. 10, 1957	—	2.43	1,786
JL-49-22-118	Mar. 14, 1955	2,176	2.07	1,521
	June 12, 1956	—	2.11	1,551
	Mar. 20, 1957	—	2.12	1,558
	Apr. 16, 1957	—	2.19	1,610
	Mar. 11, 1964	—	2.48	1,823
	May 3, 1966	2,760	2.63	1,933
JL-49-22-119	June 28, 1954	4,230	4.03	2,962
	Mar. 11, 1955	4,103	3.91	2,874
	June 8, 1956	—	3.19	2,345
JL-49-22-120	Mar. 15, 1955	3,034	2.89	2,124
	Apr. 29, 1955	—	2.76	2,029
	Mar. 23, 1956	2,520	2.40	1,764
	June 13, 1957	—	2.94	2,161

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25°C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-22-123	June 1951	—	2.05	1,507
	Mar. 2, 1955	2,975	2.83	2,080
	Mar. 20, 1956	3,990	3.80	2,793
	Mar. 4, 1957	—	2.87	2,109
	June 10, 1963	3,969	3.78	2,778
	Apr. 2, 1964	5,000	4.42	3,249
	Apr. 1, 1965	—	3.54	2,602
JL-49-22-205	June 23, 1954	1,620	1.54	1,132
	Mar. 8, 1955	2,094	1.99	1,463
	Apr. 29, 1955	—	2.10	1,544
	May 3, 1955	—	1.98	1,455
	June 11, 1956	—	1.95	1,433
	Mar. 26, 1964	3,100	2.74	2,014
	Apr. 27, 1966	3,120	2.97	2,183
JL-49-22-207	Feb. 20, 1957	2,348	2.24	1,646
	Mar. 6, 1964	—	2.56	1,882
	May 3, 1966	2,860	2.72	1,999
JL-49-22-211	Mar. 24, 1955	2,464	2.35	1,727
	Apr. 11, 1956	—	2.48	1,823
JL-49-22-212	Aug. 8, 1956	—	2.10	1,544
JL-49-22-401	June 25, 1957	—	1.37	1,007
	June 12, 1963	1,393	1.33	978
JL-49-22-402	Apr. 1955	—	2.00	1,470
	Apr. 25, 1956	—	2.00	1,470
	Mar. 18, 1957	—	1.72	1,264
	June 12, 1963	1,795	1.71	1,257
	Apr. 2, 1964	1,520	1.34	985
JL-49-22-403	May 1951	—	2.90	2,132
	Oct. 1951	—	2.80	2,058
	Mar. 15, 1955	3,331	3.17	2,330
	Mar. 20, 1956	3,500	3.33	2,448
	Mar. 12, 1957	—	2.87	2,109
	Mar. 4, 1964	—	2.30	1,691
JL-49-22-404	June 1951	—	2.50	1,838
	Mar. 15, 1955	3,034	2.89	2,124
	Mar. 20, 1956	3,100	2.95	2,168
	Mar. 17, 1957	—	2.55	1,874
	June 10, 1963	2,623	2.50	1,838
	May 27, 1966	2,611	2.49	1,830

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25°C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-22-405	Mar. 26, 1954	2,041	1.94	1,426
	Mar. 8, 1955	3,057	2.91	2,139
	Mar. 14, 1956	2,650	2.52	1,852
	Mar. 12, 1957	—	2.12	1,558
	July 8, 1963	2,663	2.54	1,867
	Mar. 4, 1964	—	2.48	1,823
	Apr. 23, 1966	2,611	2.49	1,830
JL-49-22-406	May 1951	—	2.00	1,470
	Mar. 14, 1955	2,048	1.95	1,433
	Mar. 20, 1956	2,120	2.02	1,485
	Mar. 17, 1957	—	1.59	1,169
	June 11, 1963	1,449	1.38	1,014
	Mar. 18, 1964	1,600	1.41	1,036
	Apr. 23, 1966	1,428	1.36	1,000
JL-49-22-503	Mar. 3, 1954	2,629	2.50	1,838
	Apr. 29, 1955	—	3.29	2,418
	Aug. 9, 1956	—	3.62	2,661
	Mar. 12, 1957	—	3.45	2,536
	Mar. 9, 1964	—	2.30	1,691
	Mar. 15, 1965	—	3.01	2,212
JL-49-22-504	Apr. 29, 1955	—	1.90	1,397
	Apr. 12, 1956	—	2.19	1,610
JL-49-22-505	Mar. 15, 1954	1,743	1.66	1,220
	May 23, 1955	—	2.33	1,713
	June 8, 1956	—	2.43	1,786
	Mar. 12, 1957	—	2.48	1,823
JL-49-22-506	Feb. 25, 1954	1,817	1.73	1,272
	Mar. 14, 1955	1,972	1.88	1,382
	June 13, 1956	—	1.81	1,330
	Mar. 20, 1957	—	1.77	1,301
	Aug. 18, 1963	2,096	2.00	1,470
	1964	2,000	1.77	1,301
	June 2, 1966	1,930	1.84	1,352
JL-49-22-507	Mar. 5, 1954	2,178	2.07	1,521
	Apr. 19, 1955	—	2.19	1,610
	Apr. 3, 1956	—	2.19	1,610
	Mar. 20, 1957	—	1.96	1,441
	Mar. 9, 1964	—	2.39	1,757

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-22-508	Apr. 17, 1955	—	2.29	1,683
	Apr. 18, 1955	—	2.24	1,646
	Apr. 3, 1956	—	2.21	1,624
	Aug. 1964	—	1.76	1,294
	May 3, 1966	2,070	1.97	1,448
JL-49-22-509	Apr. 29, 1955	—	2.00	1,470
	Aug. 1, 1956	—	2.48	1,823
JL-49-22-510	Apr. 11, 1955	—	1.90	1,397
	Mar. 25, 1956	2,350	2.24	1,646
JL-49-22-511	July 8, 1955	2,465	2.35	1,727
	June 13, 1956	—	2.19	1,610
	Mar. 20, 1957	—	2.25	1,654
JL-49-22-512	Feb. 24, 1954	2,968	2.83	2,080
	Mar. 15, 1955	2,830	2.70	1,985
	Apr. 30, 1955	—	2.76	2,029
	Mar. 27, 1956	3,200	3.05	2,242
	Feb. 25, 1957	—	2.70	1,985
	Aug. 16, 1963	2,892	2.75	2,021
	Mar. 6, 1964	—	2.70	1,985
	Dec. 8, 1964	2,404	2.29	1,683
JL-49-22-513	Feb. 23, 1954	2,796	2.66	1,955
	Mar. 15, 1955	3,057	2.91	2,139
	May 11, 1955	—	2.86	2,102
	Mar. 20, 1956	3,200	3.05	2,242
	Mar. 4, 1957	—	2.74	2,014
	Mar. 6, 1964	—	2.74	2,014
JL-49-22-514	Mar. 12, 1954	2,334	2.22	1,632
	May 11, 1955	—	2.19	1,610
	Mar. 20, 1956	2,700	2.57	1,889
	Mar. 28, 1957	—	2.96	2,176
	Aug. 15, 1963	2,816	2.68	1,970
	Mar. 16, 1964	—	2.76	2,029
	Mar. 17, 1965	—	2.65	1,948
	Apr. 27, 1966	2,960	2.82	2,073
JL-49-22-515	June 1951	—	3.13	2,301
	Apr. 7, 1954	3,281	3.12	2,293
	Mar. 14, 1955	3,313	3.16	2,323
	May 11, 1955	—	3.14	2,308
	June 27, 1956	—	3.14	2,308
	Mar. 13, 1957	—	3.09	2,271
	Mar. 5, 1964	—	3.23	2,374
	Mar. 17, 1965	—	2.74	2,014
	May 3, 1966	3,600	3.43	2,521

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-22-516	May 1951	—	2.80	2,058
	Feb. 24, 1954	2,631	2.51	1,845
	Aug. 1, 1956	—	2.67	1,962
JL-49-22-518	Mar. 15, 1955	1,747	1.66	1,220
	Apr. 30, 1955	—	1.90	1,397
	Mar. 20, 1956	2,320	2.21	1,624
	June 11, 1957	—	2.30	1,691
	Mar. 30, 1964	2,350	2.08	1,529
	May 3, 1966	2,320	2.21	1,624
JL-49-22-519	June 1951	—	2.88	2,117
	Mar. 10, 1954	2,700	2.57	1,889
	Mar. 15, 1955	2,818	2.68	1,970
	June 5, 1956	—	2.67	1,962
	Mar. 4, 1957	—	3.31	2,433
	Mar. 9, 1964	—	3.36	2,470
JL-49-22-520	Mar. 15, 1955	2,369	2.26	1,661
	Apr. 5, 1956	—	2.48	1,823
	Aug. 13, 1956	—	2.48	1,823
	May 24, 1957	—	2.30	1,691
	June 12, 1957	—	2.34	1,720
	Mar. 10, 1964	—	2.96	2,176
JL-49-22-521	June 28, 1954	2,230	2.12	1,558
	Aug. 23, 1956	—	2.67	1,962
JL-49-22-522	June 19, 1954	1,831	1.74	1,279
	Dec. 15, 1954	1,616	1.54	1,132
	Apr. 19, 1955	—	1.52	1,117
	Apr. 20, 1955	—	1.64	1,205
	Mar. 20, 1956	1,920	1.83	1,345
	Mar. 21, 1957	—	1.64	1,205
	Aug. 14, 1963	1,514	1.44	1,058
	Mar. 9, 1964	—	1.64	1,205
JL-49-22-523	Mar. 8, 1954	3,532	3.36	2,470
	Mar. 10, 1955	3,011	2.87	2,109
	Apr. 29, 1955	—	2.71	1,992
	Mar. 22, 1957	—	2.87	2,109
JL-49-22-524	June 1951	—	1.65	1,213
	Mar. 8, 1954	2,128	2.03	1,492
	Mar. 22, 1957	—	2.10	1,544
JL-49-22-525	Apr. 18, 1956	—	2.57	1,889
	Mar. 22, 1957	—	3.27	2,403

**Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued**

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-22-526	Apr. 29, 1954	2,254	2.15	1,580
	Mar. 14, 1955	2,290	2.18	1,602
	May 3, 1955	—	2.57	1,889
	Mar. 20, 1956	2,870	2.73	2,007
	Mar. 28, 1957	—	2.65	1,948
	Mar. 4, 1964	—	3.18	2,337
JL-49-22-527	Mar. 14, 1955	2,925	2.79	2,051
	Apr. 29, 1955	—	1.57	1,154
	May 11, 1955	—	2.81	2,065
	Mar. 28, 1957	—	3.01	2,212
	Mar. 4, 1964	—	3.62	2,661
JL-49-22-528	May 4, 1954	1,665	1.59	1,169
	Mar. 24, 1955	2,239	2.13	1,566
	May 11, 1955	—	2.00	1,470
	Mar. 20, 1956	2,400	2.29	1,683
	Mar. 22, 1957	—	2.20	1,617
	Mar. 16, 1964	—	2.70	1,985
	May 3, 1966	3,000	2.86	2,102
JL-49-22-529	June 25, 1955	—	2.48	1,823
	Apr. 24, 1956	—	2.48	1,823
	Apr. 11, 1957	—	2.30	1,691
	Mar. 31, 1964	2,480	2.19	1,610
JL-49-22-530	Apr. 3, 1955	—	1.88	1,382
	Apr. 29, 1955	—	1.90	1,397
	Apr. 24, 1956	—	1.90	1,397
	Apr. 9, 1957	—	1.68	1,235
JL-49-22-531	Apr. 16, 1954	1,776	1.69	1,242
	July 2, 1955	2,079	1.98	1,455
	May 21, 1956	—	2.43	1,786
	Mar. 26, 1964	2,000	1.77	1,301
	Mar. 29, 1966	2,000	1.90	1,397
JL-49-22-532	Mar. 18, 1954	3,460	3.30	2,426
	Aug. 11, 1954	3,107	2.96	2,176
	June 25, 1955	—	4.10	3,014
	June 4, 1956	—	3.71	2,727
JL-49-22-533	Apr. 29, 1955	—	7.05	5,182
	Aug. 28, 1956	—	2.10	1,544
	Mar. 11, 1964	1,750	1.55	1,139

**Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued**

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-22-534	Feb. 28, 1955	2,495	2.38	1,749
	Mar. 20, 1956	3,200	3.05	2,242
	Mar. 19, 1957	—	2.48	1,823
	Mar. 10, 1964	3,200	2.83	2,080
	May 27, 1966	2,630	2.50	1,838
JL-49-22-535	May 1951	—	2.20	1,617
	Feb. 26, 1954	2,339	2.23	1,639
	Mar. 22, 1954	2,272	2.16	1,588
	Mar. 8, 1955	2,416	2.30	1,691
	Mar. 22, 1956	3,500	2.38	1,749
	Mar. 12, 1957	—	1.87	1,374
	June 11, 1963	1,922	1.83	1,345
	Apr. 8, 1964	2,400	2.12	1,558
	May 27, 1966	1,889	1.80	1,323
JL-49-22-536	Apr. 29, 1955	—	2.14	1,573
	May 25, 1956	—	2.00	1,470
	Apr. 16, 1957	—	1.77	1,301
	Mar. 9, 1964	1,950	1.72	1,264
JL-49-22-537	Aug. 9, 1956	—	2.29	1,683
JL-49-22-538	Mar. 31, 1954	1,526	1.45	1,066
	Mar. 6, 1956	—	1.81	1,330
JL-49-22-539	Mar. 6, 1954	2,562	2.44	1,793
	Apr. 13, 1955	—	2.36	1,735
	Apr. 29, 1955	—	2.29	1,683
	May 8, 1956	—	3.14	2,308
	Apr. 12, 1957	—	1.86	1,367
	Mar. 29, 1964	2,300	2.03	1,492
	Mar. 15, 1965	—	3.09	2,271
JL-49-22-540	June 16, 1955	—	4.76	3,499
	May 25, 1956	—	4.29	3,153
	Mar. 27, 1957	—	3.89	2,859
	Mar. 31, 1964	3,400	3.01	2,212
JL-49-22-541	July 12, 1954	1,414	1.35	992
	Apr. 7, 1955	—	1.75	1,286
	Apr. 21, 1955	—	1.95	1,433
	May 23, 1956	—	1.98	1,455
	Apr. 10, 1957	—	1.78	1,308
	Mar. 9, 1964	—	1.71	1,257
JL-49-22-542	June 1, 1956	—	1.81	1,330
	May 3, 1957	—	1.87	1,374

**Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued**

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-22-543	June 25, 1955	—	2.59	1,904
	June 30, 1955	2,238	2.13	1,566
	May 8, 1956	—	2.38	1,749
	Mar. 12, 1957	—	2.25	1,654
	Mar. 30, 1964	2,700	2.39	1,757
	Mar. 29, 1966	2,780	2.65	1,948
JL-49-22-545	Sept. 1951	—	2.84	2,087
	Mar. 5, 1954	3,186	3.03	2,227
	Apr. 14, 1955	—	3.05	2,242
	Apr. 21, 1955	—	3.43	2,521
	Mar. 5, 1956	—	3.14	2,308
	Mar. 18, 1964	3,100	2.74	2,014
JL-49-22-546	July 8, 1955	1,641	1.56	1,147
	Aug. 4, 1956	—	2.14	1,573
JL-49-22-547	Mar. 24, 1955	3,261	3.11	2,286
	Mar. 20, 1956	3,400	3.24	2,381
	Mar. 22, 1957	—	2.83	2,080
JL-49-22-548	Dec. 14, 1956	2,584	2.46	1,808
	Mar. 12, 1957	—	2.28	1,676
	May 27, 1966	2,499	2.38	1,749
JL-49-22-552	June 1956	—	3.79	2,786
	Aug. 20, 1956	—	2.52	1,852
	Mar. 31, 1964	2,350	2.08	1,529
JL-49-22-602	June 1951	—	2.52	1,852
	Feb. 24, 1954	4,164	3.97	2,918
	Mar. 23, 1955	2,170	2.07	1,521
	May 3, 1955	—	4.29	3,153
	Mar. 20, 1956	4,000	3.81	2,800
	Mar. 28, 1957	—	3.54	2,602
	Mar. 4, 1964	—	4.16	3,058
JL-49-22-603	Sept. 1951	—	1.82	1,338
	Mar. 11, 1954	2,178	2.07	1,521
	Mar. 14, 1955	2,342	2.23	1,639
	May 11, 1955	—	2.38	1,749
	Apr. 3, 1956	—	2.29	1,683
	Mar. 20, 1957	—	2.48	1,823
	Mar. 16, 1964	—	2.83	2,080

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-22-604	Mar. 12, 1954	2,357	2.24	1,646
	June 21, 1954	2,211	2.11	1,551
	Mar. 14, 1955	2,316	2.21	1,624
	May 11, 1955	—	2.50	1,838
	Mar. 20, 1956	2,650	2.52	1,852
	Mar. 28, 1957	—	2.70	1,985
JL-49-22-605	May 10, 1954	1,640	1.56	1,147
	May 20, 1955	—	2.00	1,470
	Aug. 13, 1956	—	2.86	2,102
JL-49-22-606	June 28, 1955	—	2.05	1,507
	June 10, 1956	—	2.10	1,544
JL-49-22-608	Mar. 5, 1954	4,240	4.04	2,969
	June 25, 1955	—	4.10	3,014
	June 29, 1956	—	3.81	2,800
JL-49-22-609	June 17, 1954	3,011	2.87	2,109
	Mar. 24, 1955	2,526	2.41	1,771
	May 10, 1955	—	4.76	3,499
	Mar. 20, 1956	5,400	5.14	3,778
	May 17, 1957	—	4.33	3,183
JL-49-22-610	Mar. 26, 1954	2,448	2.33	1,713
	June 30, 1955	2,348	2.24	1,646
	Aug. 6, 1956	—	2.95	2,168
	Mar. 12, 1964	—	3.18	2,337
JL-49-22-611	Apr. 29, 1955	—	2.43	1,786
	Aug. 24, 1956	—	2.48	1,823
JL-49-22-612	June 25, 1955	—	5.24	3,851
	Aug. 6, 1956	—	5.71	4,197
	Mar. 9, 1964	—	5.30	3,896
	Mar. 16, 1965	—	4.64	3,410
	May 2, 1966	5,350	5.10	3,749
JL-49-22-614	Mar. 10, 1954	2,468	2.35	1,727
	July 2, 1956	—	2.43	1,786
	May 14, 1957	—	2.40	1,764
JL-49-22-615	June 17, 1954	3,848	3.66	2,690
	Mar. 14, 1955	5,094	4.85	3,565
	May 4, 1955	—	5.24	3,851
	Apr. 3, 1956	—	5.14	3,778
	Mar. 20, 1957	—	4.77	3,506

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-22-806	Mar. 22, 1954	1,997	1.90	1,397
	June 25, 1955	—	2.38	1,749
	June 9, 1956	—	2.48	1,823
	Apr. 30, 1957	—	2.23	1,639
	Mar. 11, 1964	2,550	2.25	1,654
JL-49-22-807	Mar. 23, 1955	1,834	1.75	1,286
	Apr. 25, 1956	—	1.71	1,257
	Mar. 19, 1957	—	1.77	1,301
	June 10, 1963	1,930	1.84	1,352
JL-49-22-808	Apr. 28, 1955	—	1.80	1,323
	Apr. 23, 1956	—	1.81	1,330
	Feb. 26, 1957	—	1.61	1,183
JL-49-22-809	Apr. 24, 1955	—	2.29	1,683
	Aug. 6, 1956	—	2.38	1,749
	May 6, 1957	—	2.34	1,720
	Mar. 21, 1964	2,500	2.21	1,624
	Mar. 29, 1966	2,490	2.37	1,742
JL-49-22-810	1951	—	1.81	1,330
	July 1951	—	1.83	1,345
	July 6, 1955	2,659	2.53	1,860
	May 21, 1956	—	3.10	2,279
	Apr. 9, 1957	—	2.61	1,918
JL-49-22-811	May 10, 1954	3,154	3.00	2,205
	Apr. 29, 1955	—	3.62	2,661
	Aug. 6, 1956	—	3.81	2,800
	May 9, 1957	—	3.89	2,859
	Mar. 18, 1964	—	2.34	1,720
	Mar. 16, 1965	—	3.54	2,602
JL-49-22-812	Mar. 18, 1954	3,928	3.74	2,749
	June 25, 1955	—	3.05	2,242
	Aug. 27, 1956	—	3.71	2,727
JL-49-22-814	Mar. 25, 1954	4,124	3.93	2,889
	May 8, 1956	—	4.48	3,293
JL-49-22-816	May 1951	—	2.72	1,999
	Mar. 17, 1954	3,011	2.87	2,109
	June 2, 1956	—	3.05	2,242
	Mar. 16, 1965	—	2.96	2,176
	Apr. 25, 1966	3,340	3.18	2,337

**Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued**

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-22-817	June 23, 1955	—	4.00	2,940
	May 20, 1956	—	3.71	2,727
JL-49-22-819	Mar. 16, 1954	3,306	3.15	2,315
	Apr. 29, 1955	—	3.81	2,800
	May 29, 1956	—	3.08	2,264
JL-49-22-820	June 28, 1955	3,334	3.18	2,337
	May 29, 1956	—	3.62	2,661
	May 14, 1957	—	3.63	2,668
	Apr. 2, 1964	4,200	3.71	2,727
	Aug. 1965	4,000	3.54	2,602
JL-49-22-821	Oct. 13, 1955	5,082	4.84	3,557
	June 1, 1956	—	4.67	3,432
	Apr. 3, 1957	—	4.95	3,638
	Mar. 4, 1964	—	3.27	2,403
JL-49-22-822	July 6, 1955	2,742	2.61	1,918
	May 23, 1956	—	4.19	3,080
	Mar. 20, 1964	—	3.89	2,859
	Aug. 1965	3,075	2.72	1,999
JL-49-22-823	Mar. 24, 1955	2,994	2.85	2,095
	May 2, 1956	—	2.69	1,977
	May 19, 1957	—	2.74	2,014
	Mar. 10, 1964	—	2.65	1,948
JL-49-22-824	July 31, 1956	—	4.86	3,572
	Mar. 20, 1964	—	4.51	3,315
JL-49-22-825	July 9, 1955	1,537	1.46	1,073
	June 20, 1956	—	2.02	1,485
	Mar. 23, 1964	—	2.03	1,492
	Aug. 1964	—	1.51	1,110
JL-49-22-826	May 9, 1956	—	1.95	1,433
JL-49-22-827	Apr. 15, 1955	—	3.43	2,521
	June 7, 1956	—	3.48	2,558
	Mar. 27, 1957	—	1.86	1,367
	Mar. 23, 1964	—	2.56	1,882
JL-49-22-828	June 21, 1955	—	3.05	2,242
	June 10, 1956	—	2.67	1,962

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-22-829	Apr. 19, 1955	—	2.48	1,823
	June 17, 1956	—	2.71	1,992
	Mar. 31, 1957	—	3.18	2,337
	Mar. 20, 1964	—	2.70	1,985
JL-49-22-830	July 13, 1955	1,781	1.70	1,250
	Apr. 25, 1956	—	1.95	1,433
	Mar. 31, 1957	—	2.12	1,558
	Mar. 20, 1964	—	1.65	1,213
JL-49-22-831	June 1951	—	1.29	948
	Apr. 19, 1955	—	1.90	1,397
	July 24, 1956	—	1.90	1,397
	Mar. 31, 1957	—	1.84	1,352
JL-49-22-832	May 31, 1955	—	2.81	2,065
	May 2, 1956	—	2.95	2,168
	Apr. 1, 1957	—	3.36	2,470
	Mar. 28, 1964	1,750	1.55	1,139
JL-49-22-834	Feb. 25, 1954	3,031	2.89	2,124
	Apr. 19, 1955	—	3.14	2,308
	May 24, 1955	—	3.24	2,381
	June 12, 1956	—	2.95	2,168
	Mar. 10, 1964	—	1.62	1,191
JL-49-22-836	Mar. 25, 1955	2,010	1.91	1,404
	Apr. 30, 1956	—	2.33	1,713
	Apr. 28, 1957	—	2.25	1,654
JL-49-22-838	Oct. 10, 1956	2,984	2.84	2,087
	Apr. 12, 1957	—	2.56	1,882
JL-49-22-901	June 1951	—	2.47	1,815
	Feb. 26, 1954	3,498	3.33	2,448
	Apr. 1955	—	4.19	3,080
	Aug. 9, 1956	—	3.67	2,697
	May 14, 1957	—	3.40	2,499
	Mar. 4, 1964	—	3.09	2,271
JL-49-22-903	Mar. 15, 1954	3,324	3.17	2,330
	Apr. 5, 1955	—	3.43	2,521
	May 25, 1956	—	3.71	2,727
	Mar. 9, 1964	—	3.49	2,565
	Mar. 16, 1965	—	3.01	2,212
	May 3, 1966	3,390	3.23	2,374

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-22-904	Mar. 15, 1954	3,011	2.87	2,109
	Apr. 20, 1955	—	3.26	2,396
	June 26, 1955	—	3.24	2,381
	May 8, 1956	—	3.81	2,800
	Mar. 11, 1957	—	3.36	2,470
	Mar. 15, 1965	—	3.76	2,764
	May 2, 1966	4,250	4.05	2,977
JL-49-22-905	Apr. 21, 1955	—	3.43	2,521
	June 30, 1955	1,962	1.87	1,374
	July 4, 1956	—	2.43	1,786
	Mar. 11, 1957	—	2.23	1,639
	Mar. 20, 1964	—	3.01	2,212
JL-49-22-906	Aug. 14, 1956	—	2.40	1,764
	Mar. 19, 1957	—	2.21	1,624
	Mar. 4, 1964	—	2.21	1,624
	Mar. 16, 1965	—	2.21	1,624
JL-49-22-907	Apr. 4, 1955	4,000	3.81	2,800
	Aug. 6, 1956	—	4.19	3,080
JL-49-22-908	Apr. 21, 1955	—	6.95	5,108
	Aug. 6, 1956	—	6.67	4,902
JL-49-22-909	June 29, 1955	—	3.81	2,800
	May 22, 1956	—	4.38	3,219
	Mar. 18, 1964	—	3.98	2,925
	Feb. 19, 1965	—	3.98	2,925
JL-49-22-910	Aug. 26, 1956	—	2.10	1,544
JL-49-22-911	May 1951	—	5.60	4,116
	Apr. 21, 1955	—	5.24	3,851
	Aug. 15, 1956	—	5.14	3,778
JL-49-22-912	June 4, 1955	—	3.33	2,448
	Aug. 7, 1956	—	3.90	2,867
	Mar. 19, 1957	—	3.45	2,536
	Mar. 9, 1964	—	3.09	2,271
	Mar. 18, 1965	—	3.36	2,470
JL-49-22-913	Mar. 29, 1955	—	2.43	1,786
	Aug. 9, 1956	—	2.86	2,102
	Mar. 19, 1957	—	2.48	1,823
	Mar. 4, 1964	—	2.30	1,691
JL-49-22-914	June 5, 1955	—	2.38	1,749
	May 29, 1956	—	2.38	1,749
	Mar. 10, 1964	—	2.40	1,764
JL-49-22-916	Mar. 15, 1954	2,357	2.24	1,646
	Apr. 21, 1955	—	2.43	1,786
	Aug. 6, 1956	—	2.76	2,029

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-22-917	Mar. 30, 1955	—	3.00	2,205
	May 9, 1956	—	3.24	2,381
	Apr. 1, 1964	3,020	2.67	1,962
JL-49-22-918	Feb. 24, 1954	2,737	2.61	1,918
	Mar. 30, 1955	—	2.67	1,962
	May 9, 1956	—	2.95	2,168
	Mar. 19, 1957	—	2.67	1,962
	Mar. 21, 1964	—	3.18	2,337
JL-49-22-919	Mar. 16, 1954	2,125	2.02	1,485
	Apr. 21, 1955	—	2.86	2,102
	May 11, 1956	—	2.86	2,102
	Mar. 19, 1957	—	2.83	2,080
	Mar. 19, 1964	—	2.48	1,823
	Aug. 1965	3,575	3.16	2,323
JL-49-22-920	Apr. 14, 1954	3,272	3.12	2,293
	Apr. 14, 1955	—	3.38	2,484
	Apr. 21, 1955	—	3.33	2,448
	May 24, 1956	—	3.24	2,381
	May 14, 1957	—	3.01	2,212
	Mar. 13, 1964	—	3.38	2,484
	Mar. 15, 1965	—	3.18	2,337
	May 2, 1966	3,590	3.42	2,514
JL-49-22-921	Mar. 18, 1954	2,468	2.35	1,727
	Apr. 29, 1955	—	2.67	1,962
	May 23, 1956	—	2.62	1,926
	May 14, 1957	—	2.43	1,786
	Mar. 4, 1964	—	2.74	2,014
	Mar. 15, 1965	—	2.56	1,882
	Apr. 27, 1966	2,890	2.75	2,021
JL-49-22-922	Apr. 21, 1955	—	2.48	1,823
	Apr. 11, 1956	—	2.33	1,713
	May 24, 1956	—	2.29	1,683
	Mar. 5, 1964	—	2.03	1,492
JL-49-22-923	Mar. 3, 1954	3,752	3.57	2,624
	Apr. 3, 1955	—	4.67	3,432
	May 11, 1956	—	4.76	3,499
	May 16, 1957	—	4.95	3,638
	Mar. 12, 1964	—	3.52	2,587

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-22-924	May 1951	—	4.30	3,161
	Feb. 24, 1954	2,144	2.04	1,499
	Mar. 15, 1954	3,104	2.96	2,176
	May 1955	—	4.10	3,014
	June 17, 1955	—	3.71	2,727
	May 9, 1956	—	4.19	3,080
	Aug. 23, 1956	—	4.76	3,499
	May 22, 1957	—	4.42	3,249
	Mar. 5, 1964	—	4.24	3,116
	Mar. 30, 1964	4,200	3.71	2,727
	Mar. 16, 1965	—	4.24	3,116
	JL-49-22-925	June 11, 1956	—	3.24	2,381
May 14, 1957		—	4.42	3,249
JL-49-22-927	May 1951	—	2.95	2,168
	June 1951	—	3.03	2,227
	Mar. 22, 1954	3,345	3.19	2,345
	May 23, 1955	—	3.81	2,800
	June 17, 1955	—	4.00	2,940
	May 23, 1956	—	4.67	3,432
	Aug. 23, 1956	—	4.29	3,153
	JL-49-22-928	June 9, 1954	2,733	2.60	1,911
Apr. 21, 1955		—	4.19	3,080
June 5, 1956		—	5.05	3,712
May 22, 1957		—	5.66	4,160
Mar. 30, 1964		8,000	7.07	5,196
Aug. 1965		7,100	6.28	4,616
Mar. 29, 1966		7,840	7.47	5,490
JL-49-22-929		Feb. 24, 1954	2,387	2.27	1,668
	Apr. 16, 1955	—	2.14	1,573
	May 15, 1956	—	2.49	1,830
	Apr. 10, 1957	—	2.48	1,823
	Mar. 7, 1964	—	2.67	1,962
	Mar. 16, 1965	—	2.65	1,948
	May 2, 1966	3,030	2.89	2,124
	JL-49-22-931	Feb. 24, 1954	2,392	2.28	1,676
June 25, 1955		—	2.76	2,029
May 15, 1956		—	2.95	2,168
Mar. 12, 1964		—	3.18	2,337
Mar. 16, 1965		—	2.39	1,757
Apr. 27, 1966		2,780	2.65	1,948

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-22-932	Aug. 8, 1956	—	2.85	2,095
	Mar. 16, 1965	—	3.36	2,470
JL-49-22-933	Feb. 23, 1954	2,412	2.30	1,691
	Mar. 25, 1955	2,468	2.35	1,727
	Apr. 17, 1956	—	2.69	1,977
	Mar. 31, 1957	—	2.66	1,955
	Mar. 20, 1964	—	2.10	1,544
	Mar. 31, 1965	—	2.34	1,720
JL-49-22-934	Mar. 17, 1955	4,187	3.99	2,933
	Aug. 14, 1956	—	5.14	3,778
	May 22, 1957	—	4.95	3,638
	Apr. 2, 1964	4,400	3.89	2,859
JL-49-22-935	June 10, 1956	—	2.71	1,992
JL-49-22-936	Mar. 18, 1954	2,551	2.43	1,786
	July 5, 1955	2,782	2.65	1,948
	Aug. 6, 1956	—	3.14	2,308
	Mar. 15, 1965	—	2.70	1,985
JL-49-22-937	Mar. 11, 1954	2,320	2.21	1,624
	Apr. 20, 1955	—	2.95	2,168
	Apr. 21, 1955	—	3.26	2,396
	May 23, 1956	—	2.81	2,065
	Mar. 5, 1964	—	3.01	2,212
	Mar. 16, 1965	—	2.96	2,176
	May 2, 1966	3,470	3.23	2,374
JL-49-22-938	May 24, 1955	—	4.95	3,638
	June 21, 1956	—	4.67	3,432
	June 21, 1957	—	4.42	3,249
	Mar. 19, 1964	3,050	2.70	1,985
	Mar. 23, 1964	—	3.01	2,212
JL-49-22-940	Mar. 4, 1954	3,480	3.31	2,433
	May 22, 1956	—	3.05	2,242
	May 22, 1957	—	3.18	2,337
	Mar. 12, 1964	—	2.61	1,918
	Aug. 1965	3,600	3.19	2,345
JL-49-22-943	Apr. 26, 1957	—	3.54	2,602
JL-49-22-945	Aug. 15, 1956	—	2.24	1,646
	May 16, 1957	—	2.30	1,691
	Mar. 18, 1964	—	3.54	2,602

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-23-703	Mar. 19, 1954	4,444	4.23	3,109
	Mar. 16, 1965	—	4.42	3,249
	May 27, 1966	4,980	4.74	3,484
JL-49-23-704	June 9, 1954	3,701	3.52	2,587
	June 29, 1955	—	4.57	3,359
	May 10, 1956	—	4.29	3,153
	Mar. 30, 1964	4,600	4.07	2,991
	Mar. 16, 1965	—	4.07	2,991
	May 2, 1966	4,610	4.39	3,227
JL-49-23-705	June 29, 1955	—	3.24	2,381
	Aug. 15, 1956	—	3.33	2,448
	Mar. 19, 1964	—	3.01	2,212
	Aug. 1965	3,900	3.45	2,536
JL-49-30-201	Apr. 17, 1956	—	2.87	2,109
	Feb. 26, 1957	—	2.48	1,823
	Mar. 10, 1964	—	1.86	1,367
JL-49-30-202	Mar. 15, 1954	2,633	2.51	1,845
	Mar. 24, 1955	2,869	2.73	2,007
	Feb. 26, 1957	—	2.70	1,985
	Mar. 10, 1964	—	2.12	1,558
JL-49-30-203	June 23, 1954	2,132	2.03	1,492
	July 20, 1954	1,957	1.86	1,367
	Apr. 19, 1955	—	2.48	1,823
	July 31, 1956	—	2.57	1,889
	June 19, 1957	—	2.17	1,595
	Mar. 10, 1964	—	1.95	1,433
JL-49-30-204	Apr. 29, 1955	—	2.71	1,992
	Apr. 30, 1956	—	2.86	2,102
	June 7, 1956	—	2.00	1,470
	Feb. 26, 1957	—	2.12	1,558
JL-49-30-206	Mar. 19, 1954	1,673	1.59	1,169
	Mar. 24, 1955	1,833	1.75	1,286
	Apr. 17, 1956	—	2.05	1,507
	Mar. 10, 1964	—	1.64	1,205
	Apr. 1, 1965	—	1.55	1,139
	Apr. 28, 1966	1,700	1.62	1,191

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-30-304	Feb. 25, 1954	2,511	2.39	1,757
	Aug. 4, 1955	3,642	3.47	2,550
	Apr. 27, 1956	—	4.19	3,080
	Feb. 20, 1957	4,428	4.22	3,102
	Mar. 1964	—	2.92	2,146
	Aug. 1965	3,900	3.45	2,536
JL-49-30-305	Feb. 23, 1954	3,079	2.93	2,154
	Apr. 28, 1955	—	3.67	2,697
	Apr. 9, 1956	—	3.48	2,558
	Mar. 19, 1957	—	3.18	2,337
	Mar. 1964	—	3.23	2,374
	Apr. 20, 1966	3,610	3.44	2,528
JL-49-30-306	May 10, 1954	2,986	2.84	2,087
	Apr. 26, 1955	—	2.95	2,168
	Apr. 21, 1956	—	3.05	2,242
	Apr. 10, 1957	—	3.36	2,470
	Aug. 1964	—	3.51	2,580
JL-49-30-307	Apr. 27, 1954	2,530	2.41	1,771
	Apr. 28, 1955	—	4.48	3,293
	Apr. 29, 1955	—	4.48	3,293
	Apr. 17, 1956	—	5.24	3,851
JL-49-30-308	Feb. 1951	—	2.66	1,955
	Feb. 25, 1954	2,796	2.66	1,955
	Aug. 6, 1954	3,107	2.96	2,176
	Mar. 25, 1955	3,122	2.97	2,183
	Apr. 17, 1956	—	3.62	2,661
	Feb. 26, 1957	—	3.80	2,793
	Apr. 1, 1965	—	3.18	2,337
JL-49-30-309	June 1951	—	1.96	1,441
	July 1951	—	3.85	2,830
	Mar. 19, 1954	3,763	3.58	2,631
	Apr. 15, 1955	—	5.14	3,778
	Apr. 14, 1956	—	5.24	3,851
	Mar. 29, 1964	2,000	1.77	1,301
	Mar. 31, 1965	—	2.34	1,720
JL-49-30-310	Feb. 24, 1954	3,859	3.68	2,705
	June 21, 1955	—	4.10	3,014
	Apr. 14, 1956	—	4.48	3,293
	Mar. 27, 1957	—	4.16	3,058
	Feb. 23, 1964	—	4.42	3,249
	1964	2,700	3.27	2,403
	Mar. 31, 1965	—	3.98	2,925
	May 27, 1966	4,480	4.27	3,138

**Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued**

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-30-311	Feb. 20, 1957	4,938	4.70	3,455
	Mar. 10, 1964	—	4.86	3,572
JL-49-30-312	Mar. 8, 1954	4,444	4.23	3,109
	Apr. 6, 1955	5,714	5.44	3,998
	Aug. 22, 1956	—	5.24	3,851
JL-49-30-313	Apr. 4, 1955	—	3.43	2,521
	Apr. 25, 1956	—	3.43	2,521
	May 3, 1957	—	3.71	2,727
JL-49-30-314	June 2, 1955	—	2.16	1,588
	Apr. 26, 1956	—	2.67	1,962
	Mar. 27, 1957	—	2.56	1,882
JL-49-30-315	Feb. 24, 1954	2,643	2.52	1,852
	Apr. 28, 1955	—	3.62	2,661
	Apr. 25, 1956	—	3.62	2,661
	Mar. 27, 1957	—	3.54	2,602
	Mar. 20, 1964	—	2.79	2,051
	Mar. 31, 1965	—	3.36	2,470
JL-49-30-316	Apr. 15, 1955	—	2.00	1,470
	Apr. 14, 1956	—	2.10	1,544
	Apr. 24, 1957	—	4.69	3,447
	Apr. 2, 1964	1,550	1.37	1,007
	May 22, 1966	1,510	1.44	1,058
JL-49-30-317	Apr. 4, 1955	—	3.62	2,661
	Apr. 15, 1955	—	3.76	2,764
	Apr. 30, 1956	—	3.24	2,381
	May 5, 1956	—	1.85	1,360
	Mar. 31, 1965	—	3.01	2,212
JL-49-30-318	Mar. 22, 1954	4,976	4.74	3,484
	Apr. 5, 1955	—	4.38	3,219
	Aug. 29, 1956	—	4.00	2,940
	Apr. 17, 1957	—	3.45	2,536
	Mar. 29, 1964	3,050	2.70	1,985
	Mar. 31, 1965	—	2.30	1,691
	May 27, 1966	2,560	2.44	1,793
JL-49-30-319	Apr. 17, 1956	—	3.62	2,661
	June 26, 1957	—	3.54	2,602
	Apr. 7, 1965	—	2.96	2,176
	Apr. 28, 1966	3,320	3.16	2,323

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-30-320	Apr. 28, 1955	—	7.24	5,321
JL-49-30-321	Mar. 18, 1954	2,903	2.76	2,029
	Mar. 14, 1955	3,582	3.41	2,506
	Mar. 24, 1956	—	3.90	2,867
	Mar. 18, 1957	—	3.38	2,484
	Mar. 9, 1964	—	3.63	2,668
	Apr. 16, 1965	—	3.80	2,793
	Apr. 3, 1966	4,280	4.08	2,999
JL-49-30-322	May 10, 1955	—	3.90	2,867
	May 17, 1955	—	3.81	2,800
	Apr. 13, 1956	—	4.19	3,080
	Mar. 18, 1957	—	3.35	2,462
	May 3, 1964	3,800	3.36	2,470
	Apr. 30, 1966	3,760	3.58	2,631
JL-49-30-323	Mar. 14, 1955	2,556	2.43	1,786
	Apr. 29, 1955	—	2.57	1,889
	Mar. 24, 1956	—	2.86	2,102
	Feb. 25, 1957	—	2.56	1,882
	Mar. 9, 1964	—	1.68	1,235
	Apr. 8, 1965	—	2.48	1,823
JL-49-30-324	Mar. 27, 1956	—	6.38	4,689
	Mar. 18, 1957	—	5.48	4,028
	Apr. 3, 1964	6,000	5.30	3,896
	Apr. 15, 1965	—	7.07	5,196
JL-49-30-325	Feb. 4, 1955	3,275	3.12	2,293
	Apr. 12, 1955	—	3.24	2,381
	Apr. 26, 1956	—	3.62	2,661
	May 3, 1957	—	3.49	2,565
	Mar. 18, 1964	—	3.63	2,668
	Mar. 1, 1965	—	3.36	2,470
JL-49-30-326	Apr. 15, 1955	—	1.40	1,029
	Apr. 19, 1955	—	1.48	1,088
	Apr. 10, 1956	—	2.19	1,610
	Feb. 26, 1957	—	2.14	1,573
	Mar. 20, 1964	—	1.72	1,264
JL-49-30-327	May 1951	—	1.80	1,323
	Oct. 1951	—	1.60	1,176
	Mar. 15, 1954	2,192	2.09	1,536
	Mar. 24, 1955	2,233	2.13	1,566
	Apr. 10, 1956	—	2.19	1,610
	Apr. 17, 1957	—	2.12	1,558
	Aug. 1964	—	1.66	1,220

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-30-328	Mar. 15, 1954	2,204	2.10	1,544
	May 10, 1954	2,119	2.02	1,485
	Mar. 24, 1955	2,354	2.24	1,646
	Apr. 11, 1956	—	2.52	1,852
	Feb. 26, 1957	—	2.23	1,639
	Mar. 20, 1964	—	2.65	1,948
JL-49-30-329	Apr. 15, 1955	—	2.29	1,683
	Apr. 14, 1956	—	2.48	1,823
	Apr. 17, 1957	—	2.23	1,639
	Apr. 1, 1965	—	2.12	1,558
	Apr. 28, 1966	2,320	2.21	1,624
JL-49-30-330	July 6, 1954	2,637	2.51	1,845
	Mar. 25, 1955	2,500	2.38	1,749
	Apr. 30, 1956	—	2.86	2,102
	Mar. 27, 1957	—	2.54	1,867
	Mar. 11, 1964	—	1.84	1,352
	Mar. 31, 1965	—	2.83	2,080
	May 27, 1966	3,170	3.02	2,220
JL-49-30-331	Aug. 6, 1954	2,600	2.48	1,823
	May 31, 1955	—	2.57	1,889
	June 24, 1955	—	2.33	1,713
	June 7, 1956	—	2.33	1,713
	Apr. 24, 1957	—	2.32	1,705
	Mar. 23, 1964	—	2.65	1,948
	Aug. 1964	—	2.21	1,624
	Mar. 31, 1965	—	2.08	1,529
May 27, 1966	2,330	2.22	1,632	
JL-49-30-332	Apr. 15, 1955	—	2.57	1,889
	Apr. 25, 1956	—	3.21	2,359
	Apr. 24, 1957	—	3.01	2,212
	Aug. 1964	—	1.49	1,095
	Apr. 8, 1965	—	1.72	1,264
	Apr. 27, 1966	1,920	1.83	1,345
JL-49-30-333	Mar. 10, 1954	2,694	2.57	1,889
	Apr. 12, 1955	—	3.24	2,381
	Apr. 15, 1955	—	3.10	2,279
	Apr. 30, 1956	—	3.45	2,536
	July 12, 1957	—	1.59	1,169
	Mar. 10, 1964	—	1.95	1,433

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-30-335	Mar. 30, 1955	—	2.59	1,904
	Apr. 28, 1956	—	3.14	2,308
	Apr. 10, 1957	—	3.54	2,602
	Mar. 10, 1964	—	2.67	1,962
	Mar. 31, 1965	—	3.01	2,212
JL-49-30-336	June 8, 1954	4,148	3.95	2,903
	Apr. 28, 1955	—	4.00	2,940
	June 8, 1956	—	3.62	2,661
	Mar. 27, 1957	—	3.53	2,595
	Mar. 31, 1965	—	3.05	2,242
	Apr. 28, 1966	3,420	3.26	2,396
JL-49-30-337	Feb. 24, 1954	5,238	4.99	3,668
	Apr. 15, 1955	—	5.24	3,851
	Aug. 15, 1956	—	5.14	3,778
	Mar. 11, 1964	—	4.51	3,315
JL-49-30-338	Apr. 17, 1955	—	2.00	1,470
	June 12, 1956	—	2.10	1,544
JL-49-30-340	Mar. 31, 1955	—	2.95	2,168
	July 16, 1956	—	3.52	2,587
	Mar. 18, 1957	—	3.36	2,470
	Mar. 15, 1964	—	3.32	2,440
JL-49-30-603	Feb. 7, 1955	4,075	3.88	2,852
	May 2, 1956	—	4.29	3,153
JL-49-30-604	Mar. 10, 1954	3,885	3.70	2,720
	May 11, 1954	4,115	3.92	2,881
	July 2, 1955	—	4.29	3,153
	Apr. 14, 1956	—	4.38	3,219
	Apr. 30, 1957	—	4.07	2,991
	July 6, 1957	—	3.98	2,925
	Apr. 1, 1965	—	3.01	2,212
JL-49-30-605	June 8, 1954	3,461	3.30	2,426
	May 25, 1955	—	4.57	3,359
	May 2, 1956	—	4.76	3,499
	Apr. 17, 1957	—	4.42	3,249
JL-49-30-606	Oct. 1951	—	2.20	1,617
	Mar. 15, 1954	3,182	3.03	2,227
	Apr. 19, 1955	—	3.24	2,381
	Apr. 25, 1956	—	2.43	1,786
	Mar. 27, 1957	—	3.32	2,440
	Mar. 11, 1964	—	2.65	1,948
	Apr. 1, 1965	—	2.65	1,948

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-30-607	Apr. 12, 1955	—	2.57	1,889
	June 10, 1956	—	2.67	1,962
	Feb. 26, 1957	—	2.52	1,852
	Mar. 11, 1964	—	2.65	1,948
JL-49-30-608	June 1951	—	1.83	1,345
	Apr. 5, 1955	—	2.43	1,786
	June 14, 1956	—	2.48	1,823
	Apr. 24, 1957	—	2.21	1,624
	Apr. 1, 1965	—	2.03	1,492
JL-49-30-609	Apr. 19, 1955	—	2.95	2,168
	Apr. 25, 1956	—	2.90	2,132
	Apr. 29, 1957	—	2.56	1,882
	Mar. 17, 1964	—	3.01	2,212
JL-49-30-610	May 23, 1955	—	4.29	3,153
	June 17, 1956	—	4.57	3,359
JL-49-30-611	Mar. 14, 1955	5,279	5.03	3,697
	May 9, 1956	—	4.10	3,014
	Mar. 18, 1957	—	3.89	2,859
	Mar. 10, 1964	—	4.42	3,249
JL-49-30-612	Mar. 15, 1954	2,315	2.20	1,617
	May 11, 1954	2,358	2.25	1,654
	Mar. 24, 1955	2,233	2.13	1,566
	June 10, 1956	—	2.19	1,610
	Apr. 24, 1957	—	2.83	2,080
	Mar. 11, 1964	—	2.48	1,823
	Apr. 1, 1965	—	2.30	1,691
	Apr. 28, 1966	2,580	2.46	1,808
JL-49-30-613	June 24, 1955	—	1.33	978
	June 10, 1956	—	1.52	1,117
	Apr. 24, 1957	—	2.23	1,639
	Mar. 16, 1964	—	1.33	978
	Apr. 8, 1965	—	1.37	1,007
JL-49-30-614	Mar. 10, 1954	3,318	3.16	2,323
	Apr. 19, 1955	—	3.26	2,396
	Apr. 14, 1956	—	3.24	2,381
	Feb. 26, 1957	—	2.96	2,176
JL-49-30-616	Feb. 24, 1954	1,415	1.35	992
	Apr. 11, 1955	—	1.89	1,389
	May 2, 1955	—	1.90	1,397
	Apr. 24, 1956	—	2.00	1,470
	Apr. 24, 1957	—	2.12	1,558
	Apr. 8, 1965	—	1.64	1,205

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-30-617	Mar. 24, 1955	2,393	2.28	1,676
	Apr. 14, 1956	—	2.50	1,838
	Mar. 27, 1957	—	2.56	1,882
	Aug. 1964	—	2.29	1,683
JL-49-30-618	Apr. 12, 1955	—	3.38	2,484
	Apr. 14, 1956	—	3.29	2,418
	Feb. 26, 1957	—	3.18	2,337
	Aug. 1964	—	2.74	2,014
JL-49-30-621	July 18, 1956	—	3.33	2,448
	Mar. 17, 1964	3,500	3.09	2,271
	Apr. 28, 1966	3,470	3.30	2,426
JL-49-31-102	May 10, 1955	—	1.95	1,433
	June 17, 1955	—	4.29	3,153
	Aug. 13, 1956	—	4.76	3,499
JL-49-31-103	Apr. 27, 1955	—	4.10	3,014
	Aug. 13, 1956	—	4.76	3,499
JL-49-31-104	Mar. 19, 1954	2,389	2.28	1,676
	June 3, 1956	—	3.79	2,786
	Mar. 19, 1957	—	3.80	2,793
	Mar. 5, 1964	—	2.83	2,080
	Mar. 15, 1965	—	3.36	2,470
JL-49-31-106	Mar. 11, 1954	5,459	5.20	3,822
	Apr. 21, 1955	—	4.57	3,359
	Apr. 27, 1955	—	3.43	2,521
	May 23, 1956	—	5.24	3,851
	Mar. 19, 1957	—	5.22	3,837
	Mar. 5, 1964	—	5.00	3,675
	Mar. 15, 1965	—	4.20	3,087
	Apr. 27, 1966	4,800	4.57	3,359
JL-49-31-108	June 29, 1955	—	8.00	5,880
	May 23, 1956	—	8.10	5,954
	Mar. 16, 1965	—	4.86	3,572
JL-49-31-109	Mar. 10, 1954	6,021	5.73	4,212
	May 23, 1955	—	5.24	3,851
	June 21, 1955	—	4.86	3,572
	May 23, 1956	—	4.38	3,219
	Mar. 19, 1957	—	4.60	3,381
	Mar. 15, 1965	—	4.42	3,249
	Apr. 25, 1966	4,970	4.73	3,477

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date		Specific conductance (micromhos at 25° C)	Dissolved-solids content	
				Tons per acre-foot	Milligrams per liter
JL-49-31-111	July	5, 1955	—	4.10	3,014
	May	9, 1956	—	4.38	3,219
	Mar.	19, 1957	—	3.89	2,859
JL-49-31-112	Mar.	15, 1954	2,868	2.73	2,007
	Mar.	18, 1955	3,626	3.45	2,536
	Apr.	28, 1955	—	3.52	2,587
	May	9, 1956	—	4.19	3,080
	Mar.	19, 1957	—	4.16	3,058
	Mar.	1964	2,650	2.34	1,720
	May	16, 1966	2,590	2.47	1,815
JL-49-31-113	Apr.	26, 1955	—	9.05	6,652
	June	17, 1955	—	8.57	6,299
	Aug.	24, 1956	—	8.48	6,233
JL-49-31-114	Feb.	25, 1954	4,824	4.59	3,374
	Mar.	18, 1955	5,587	5.32	3,910
	Feb.	25, 1957	—	4.42	3,249
JL-49-31-115	June	5, 1954	5,277	5.03	3,697
	Mar.	18, 1955	2,624	2.50	1,838
	Apr.	26, 1956	—	3.62	2,661
	Apr.	27, 1956	—	3.19	2,345
	Feb.	25, 1957	—	3.54	2,602
	Mar.	1964	—	2.87	2,109
	Mar.	1964	—	3.36	2,470
	Aug.	1965	3,775	3.34	2,455
	June	1, 1966	3,800	3.62	2,661
JL-49-31-116	May	1951	—	3.90	2,867
	Mar.	18, 1955	2,813	2.68	1,970
	Aug.	27, 1956	—	4.19	3,080
	Feb.	25, 1957	—	2.96	2,176
JL-49-31-117	June	1, 1956	—	4.38	3,219
	Mar.	19, 1957	—	4.16	3,058
JL-49-31-118	Mar.	10, 1954	4,817	4.59	3,374
	Apr.	21, 1955	—	4.21	3,153
	May	8, 1956	—	4.24	3,851
	Mar.	16, 1965	—	4.33	3,183
JL-49-31-119	June	1, 1956	—	4.29	3,153
	Mar.	5, 1964	—	3.80	2,793
	Mar.	16, 1965	—	3.71	2,727

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25°C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-31-120	Mar. 10, 1954	5,627	5.36	3,940
	Apr. 21, 1955	—	4.76	3,499
	May 8, 1956	—	5.24	3,851
	Mar. 5, 1964	—	3.98	2,925
	Mar. 15, 1965	—	3.98	2,925
JL-49-31-121	June 29, 1954	2,774	2.64	1,940
	Mar. 18, 1955	3,571	3.40	2,499
	Apr. 12, 1956	—	4.48	3,293
	Mar. 22, 1957	—	4.77	3,506
	Mar. 1964	—	3.80	2,793
JL-49-31-122	Apr. 26, 1955	—	2.38	1,749
	Apr. 28, 1955	—	4.00	2,940
	Aug. 29, 1956	4,697	4.47	3,285
	Mar. 1964	3,750	3.32	2,440
	Apr. 29, 1966	3,710	3.53	2,595
JL-49-31-123	May 21, 1956	—	5.43	3,991
	Aug. 1964	—	4.28	3,146
	Apr. 23, 1965	—	4.86	3,572
JL-49-31-124	Feb. 27, 1954	1,803	1.72	1,264
	June 24, 1955	—	2.69	1,977
	Mar. 22, 1956	—	2.62	1,926
	Mar. 19, 1957	—	2.64	1,940
	Mar. 1964	—	2.12	1,558
	Aug. 1964	—	2.02	1,485
	June 2, 1966	2,310	2.20	1,617
JL-49-31-125	June 1951	—	3.34	2,455
	Apr. 19, 1955	—	4.00	2,940
	Apr. 26, 1955	—	3.43	2,521
	May 9, 1956	—	3.76	2,764
	Mar. 1964	—	3.80	2,793
JL-49-31-126	Mar. 10, 1954	4,062	3.87	2,844
	June 24, 1955	—	4.76	3,499
	Apr. 18, 1956	—	5.05	3,712
	Mar. 20, 1957	—	4.77	3,506
	Mar. 1964	—	5.30	3,896
JL-49-31-127	June 24, 1955	—	4.29	3,153
	Apr. 25, 1956	—	4.95	3,638
	Mar. 20, 1957	—	4.60	3,381
	Aug. 1965	5,100	4.51	3,315
	May 20, 1966	5,090	4.85	3,565

**Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued**

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-31-128	Apr. 20, 1954	3,211	3.06	2,249
	Apr. 26, 1955	—	3.52	2,587
	Aug. 2, 1956	—	4.00	2,940
	Mar. 18, 1957	—	3.80	2,793
	Mar. 1964	—	3.38	2,484
	Aug. 1965	4,300	3.81	2,800
JL-49-31-129	July 1, 1954	2,523	2.40	1,764
	Mar. 18, 1955	2,427	2.31	1,698
	Apr. 26, 1956	—	2.73	2,007
	Mar. 16, 1957	—	2.48	1,823
JL-49-31-130	Mar. 18, 1954	4,910	4.68	3,440
	Mar. 18, 1955	4,990	4.75	3,491
	Apr. 25, 1956	—	5.24	3,851
	Feb. 25, 1957	—	4.42	3,249
JL-49-31-131	Mar. 8, 1954	5,735	5.46	4,013
	Apr. 5, 1955	6,000	5.71	4,197
	Apr. 6, 1955	—	5.90	4,337
JL-49-31-134	Mar. 14, 1955	6,899	6.57	4,829
	Apr. 1, 1955	—	5.90	4,337
	Mar. 31, 1956	—	7.14	5,248
	Feb. 25, 1957	—	2.74	2,014
	May 11, 1964	3,000	2.65	1,948
	Apr. 25, 1965	—	2.65	1,948
JL-49-31-136	Aug. 1964	—	4.37	3,212
JL-49-31-401	Apr. 4, 1955	—	1.59	1,169
	Apr. 26, 1956	—	1.86	1,367
	Apr. 24, 1957	—	1.95	1,433
	Apr. 2, 1964	1,390	1.23	904
	Apr. 1, 1965	—	1.59	1,169
	Apr. 28, 1966	1,840	1.75	1,286
JL-49-31-402	Dec. 1951	—	7.50	5,513
	Mar. 9, 1964	—	4.60	3,381
	Apr. 12, 1965	—	1.77	1,301
JL-49-31-403	Mar. 18, 1957	—	4.07	2,991
	Mar. 9, 1964	—	2.96	2,176
	Apr. 12, 1965	—	4.42	3,249
JL-49-31-404	Apr. 11, 1955	—	4.00	2,940
	Aug. 3, 1956	—	4.38	3,219
	Mar. 19, 1957	—	4.42	3,249

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-31-405	Feb. 23, 1954	3,640	3.47	2,550
	July 1, 1955	—	4.00	2,940
	Apr. 9, 1956	—	4.48	3,293
	Apr. 11, 1957	—	4.69	3,447
JL-49-31-406	May 9, 1956	—	3.81	2,800
	Aug. 27, 1956	—	3.57	2,624
	Feb. 25, 1957	—	2.93	2,154
JL-49-31-407	Mar. 15, 1954	2,670	2.54	1,867
	Apr. 28, 1955	—	3.90	2,867
	Apr. 27, 1956	—	4.10	3,014
	Mar. 19, 1957	—	3.36	2,470
	Mar. 1964	—	3.18	2,337
JL-49-31-408	Aug. 1951	—	3.01	2,212
	Mar. 9, 1954	3,640	3.47	2,550
	Mar. 18, 1955	2,904	2.77	2,036
	Apr. 9, 1956	—	3.05	2,242
	Mar. 19, 1957	—	2.96	2,176
	Mar. 1964	—	3.09	2,271
JL-49-31-409	Mar. 12, 1954	5,951	5.67	4,167
	Apr. 26, 1955	—	5.81	4,270
	Aug. 27, 1956	—	5.81	4,270
	Mar. 20, 1957	—	5.04	3,704
	Mar. 1964	—	5.30	3,896
JL-49-31-410	Mar. 14, 1955	2,007	1.91	1,404
	Mar. 27, 1956	—	1.93	1,419
	Mar. 24, 1957	—	1.77	1,301
	Mar. 17, 1964	—	2.12	1,558
	Apr. 12, 1965	—	1.86	1,367
	May 28, 1966	2,090	1.99	1,463
JL-49-31-411	July 1951	—	1.63	1,198
	Feb. 24, 1954	2,652	2.53	1,860
	Mar. 14, 1955	2,773	2.64	1,940
	Apr. 27, 1956	—	2.81	2,065
	Mar. 18, 1957	—	2.67	1,962
	Mar. 10, 1964	—	3.18	2,337
	Apr. 30, 1966	3,580	3.41	2,506
JL-49-31-412	May 1951	—	1.72	1,264
	Feb. 24, 1954	2,320	2.21	1,624
	Mar. 14, 1955	2,527	2.41	1,771
	Aug. 3, 1956	—	2.76	2,029
	Mar. 18, 1957	—	2.39	1,757
	Mar. 10, 1964	—	2.74	2,014

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25°C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-31-413	Mar. 8, 1954	4,041	3.85	2,830
	Mar. 14, 1955	4,357	4.15	3,050
	Apr. 10, 1956	—	4.67	3,432
	Mar. 18, 1957	—	4.07	2,991
	Mar. 17, 1964	—	4.60	3,381
JL-49-31-414	Feb. 24, 1954	4,025	3.83	2,815
	Mar. 23, 1955	—	3.38	2,484
	Apr. 16, 1956	—	3.81	2,800
	Mar. 18, 1957	—	3.63	2,668
	Mar. 11, 1964	—	3.89	2,859
	Apr. 10, 1965	—	3.54	2,602
	May 3, 1966	3,970	3.78	2,778
JL-49-31-415	June 1951	—	2.86	2,102
	Feb. 24, 1954	4,458	4.25	3,124
	Mar. 14, 1955	5,038	4.80	3,528
	Mar. 25, 1956	—	5.33	3,918
	Mar. 18, 1957	—	5.31	3,903
	Mar. 11, 1964	—	4.16	3,058
	Apr. 10, 1965	—	4.42	3,249
JL-49-31-416	May 18, 1955	—	5.33	3,918
	May 11, 1956	—	5.43	3,991
	Mar. 13, 1964	—	3.63	2,668
JL-49-31-417	Apr. 11, 1955	—	7.52	5,527
	Apr. 11, 1955	—	8.38	6,159
	Mar. 31, 1956	—	2.48	1,823
	Mar. 18, 1957	—	2.39	1,757
	Mar. 28, 1964	2,500	2.21	1,624
JL-49-31-418	Mar. 1, 1954	2,854	2.72	1,999
	Apr. 11, 1955	—	3.48	2,558
	Mar. 30, 1956	—	4.10	3,014
	Mar. 18, 1957	—	4.16	3,058
	Mar. 28, 1964	2,200	1.94	1,426
JL-49-31-419	June 8, 1954	5,720	5.45	4,006
	Mar. 14, 1955	6,415	6.11	4,491
	Mar. 25, 1956	—	6.67	4,902
	Mar. 18, 1957	—	5.75	4,226
	Mar. 17, 1964	—	5.48	4,028

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-31-420	Feb. 23, 1954	2,880	2.74	2,014
	Mar. 18, 1955	2,848	2.71	1,992
	Apr. 9, 1956	—	4.48	3,293
	Feb. 25, 1957	—	2.65	1,948
	Mar. 1964	—	2.74	2,014
	Aug. 1965	2,875	2.54	1,867
	Apr. 28, 1966	2,910	2.77	2,036
JL-49-31-422	July 1, 1955	—	3.45	2,536
	Apr. 6, 1956	—	3.43	2,521
	1957	—	2.93	2,154
	Mar. 1964	—	3.71	2,727
	Aug. 1965	3,800	3.36	2,470
JL-49-31-423	1964	—	4.95	3,638
	Aug. 1965	5,150	4.56	3,352
JL-49-31-424	Mar. 9, 1954	4,376	4.17	3,065
	Apr. 14, 1955	—	4.95	3,638
	Apr. 9, 1956	—	4.48	3,293
	Mar. 1964	—	5.57	4,094
JL-49-31-425	Feb. 24, 1954	4,545	4.33	3,183
	Mar. 15, 1955	5,038	4.80	3,528
	Apr. 29, 1955	—	5.24	3,851
	July 23, 1956	—	6.10	4,484
	Mar. 18, 1957	—	5.22	3,837
	Mar. 9, 1964	—	3.71	2,727
JL-49-31-426	Apr. 27, 1955	—	3.62	2,661
	June 16, 1956	—	4.10	3,014
	Mar. 27, 1957	—	3.89	2,859
	Aug. 1964	—	3.00	2,205
	Apr. 7, 1965	—	3.45	2,536
	May 27, 1966	3,870	3.69	2,712
JL-49-31-427	July 2, 1955	—	3.90	2,867
	Apr. 25, 1956	—	4.38	3,219
	Mar. 27, 1957	—	3.89	2,859
	Apr. 5, 1965	—	3.36	2,470
	May 27, 1966	3,750	3.57	2,624
JL-49-31-428	Mar. 13, 1964	—	3.18	2,337
JL-49-31-429	Mar. 31, 1955	—	4.29	3,153
	July 16, 1956	—	7.14	5,248

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25°C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-31-430	Feb. 24, 1954	4,200	4.00	2,940
	Mar. 15, 1955	3,931	3.74	2,749
	May 16, 1956	—	3.71	2,727
	Mar. 18, 1957	—	3.54	2,602
	Mar. 17, 1964	—	3.89	2,859
JL-49-31-431	Apr. 19, 1955	—	2.19	1,610
	May 2, 1956	—	2.48	1,823
	Mar. 27, 1957	—	2.52	1,852
	Mar. 19, 1964	2,700	2.39	1,757
	Apr. 1, 1965	—	2.17	1,595
JL-49-31-432	Mar. 1, 1954	3,616	3.44	2,528
	Mar. 15, 1955	3,404	3.25	2,388
	May 11, 1956	—	3.52	2,587
	Mar. 18, 1957	—	3.18	2,337
	Apr. 11, 1964	4,000	3.54	2,602
JL-49-31-433	June 1951	—	4.79	3,521
	Mar. 16, 1954	5,510	5.25	3,859
	Mar. 14, 1955	4,857	4.63	3,403
	July 16, 1956	—	5.05	3,712
	Mar. 18, 1957	—	4.86	3,572
JL-49-31-435	Mar. 15, 1955	7,314	6.97	5,123
JL-49-31-438	1964	—	4.60	3,381
JL-49-31-439	May 1951	—	3.10	2,279
	June 1951	—	2.88	2,117
	Mar. 10, 1954	3,651	3.48	2,558
	Apr. 14, 1955	—	4.29	3,153
	May 9, 1956	—	4.57	3,359
	Feb. 20, 1957	5,195	4.95	3,638
JL-49-31-443	Apr. 8, 1965	—	3.18	2,337
	Apr. 3, 1966	3,570	3.40	2,499
JL-49-31-444	Mar. 19, 1957	—	1.46	1,073
JL-49-31-501	Feb. 24, 1954	4,636	4.42	3,249
	May 25, 1955	—	4.10	3,014
	Apr. 13, 1956	—	4.12	3,028
	Mar. 13, 1964	—	3.36	2,470

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-31-502	July 1, 1955	—	6.00	4,410
	Apr. 6, 1956	—	6.29	4,623
	Mar. 1964	—	6.19	4,550
	Aug. 1965	6,200	5.49	4,035
JL-49-31-503	June 30, 1954	5,577	5.31	3,903
	Aug. 18, 1956	—	5.48	4,028
JL-49-31-504	Apr. 18, 1954	3,421	3.26	2,396
	Apr. 13, 1955	—	4.10	3,014
	Apr. 20, 1956	—	5.14	3,778
	Apr. 26, 1956	—	4.00	2,940
	Mar. 19, 1957	—	3.36	2,470
	Mar. 1964	—	4.07	2,991
	May 20, 1966	4,570	4.35	3,197
JL-49-31-505	June 1, 1954	4,068	3.87	2,844
	Aug. 18, 1956	—	4.57	3,359
JL-49-31-507	Apr. 26, 1955	—	3.24	2,381
	Apr. 11, 1957	—	3.80	2,793
JL-49-31-508	May 1951	—	2.10	1,544
	Mar. 10, 1954	3,719	3.54	2,602
	Mar. 21, 1955	3,538	3.37	2,477
	Aug. 2, 1956	—	3.90	2,867
	Mar. 19, 1957	—	3.54	2,602
JL-49-31-509	July 1951	—	2.13	1,566
	July 1, 1955	—	3.52	2,587
	Apr. 6, 1956	—	3.57	2,624
	Apr. 25, 1956	—	3.62	2,661
	Feb. 25, 1957	—	3.18	2,337
	Mar. 1964	—	4.33	3,183
	Aug. 1965	4,400	3.89	2,859
	Apr. 27, 1966	4,380	4.17	3,065
JL-49-31-510	July 1, 1955	—	2.86	2,102
	Apr. 6, 1956	—	3.24	2,381
	Mar. 19, 1957	—	3.18	2,337
JL-49-31-511	June 1951	—	3.27	2,403
	Mar. 21, 1955	3,707	3.53	2,595
	Apr. 20, 1956	—	4.19	3,080
	Apr. 11, 1957	—	4.07	2,991
	Mar. 1964	—	4.24	3,116

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-31-512	Apr. 7, 1954	4,270	4.07	2,991
	Apr. 26, 1955	—	3.81	2,800
	Apr. 25, 1956	—	3.48	2,558
	Feb. 25, 1957	—	2.92	2,146
	Mar. 1964	—	4.86	3,572
	Apr. 29, 1966	5,470	5.21	3,829
JL-49-31-513	May 11, 1954	3,638	3.46	2,543
	June 30, 1954	4,647	4.43	3,256
JL-49-31-514	Mar. 10, 1954	3,199	3.05	2,242
	Mar. 21, 1955	3,683	3.51	2,580
	May 9, 1956	—	3.43	2,521
	Mar. 20, 1957	—	3.36	2,470
JL-49-31-515	Mar. 8, 1954	3,306	3.15	2,315
JL-49-31-516	Apr. 12, 1954	2,676	2.55	1,874
	Apr. 26, 1955	—	3.19	2,345
	Apr. 16, 1956	—	3.52	2,587
	Mar. 1964	3,650	3.23	2,374
	Aug. 1965	4,500	3.98	2,925
	May 21, 1966	4,470	4.26	3,131
JL-49-31-517	June 1951	—	2.88	2,117
	Feb. 23, 1954	4,135	3.94	2,896
	Apr. 26, 1955	—	4.48	3,293
	Apr. 16, 1956	—	4.76	3,499
	Feb. 25, 1957	—	3.80	2,793
	Aug. 1965	3,600	3.19	2,345
JL-49-31-518	May 11, 1954	2,733	2.60	1,911
	Apr. 6, 1956	—	3.90	2,867
JL-49-31-519	May 12, 1956	—	3.19	2,345
	Mar. 19, 1957	—	3.18	2,337
	Mar. 12, 1964	—	4.69	3,447
JL-49-31-520	Mar. 14, 1955	2,785	2.65	1,948
	Apr. 6, 1956	—	4.10	3,014
	Mar. 1964	—	4.86	3,572
JL-49-31-521	May 25, 1955	—	3.43	2,521
	Apr. 13, 1956	—	4.76	3,499
	Mar. 13, 1964	—	5.57	4,094

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-31-522	Mar. 7, 1954	4,176	3.98	2,925
	Mar. 14, 1955	4,896	4.66	3,425
	Mar. 31, 1956	—	5.14	3,778
	Feb. 20, 1957	5,530	5.27	3,873
	Mar. 1964	—	5.04	3,704
JL-49-31-523	Mar. 12, 1954	2,582	2.46	1,808
	July 14, 1954	2,643	2.52	1,852
	July 1, 1955	—	3.29	2,418
	Feb. 25, 1957	—	3.36	2,470
	Mar. 1964	—	4.24	3,116
	Aug. 1965	4,950	4.38	3,219
JL-49-31-524	Mar. 1964	2,990	2.64	1,940
JL-49-31-526	Mar. 1964	—	3.71	2,727
JL-49-31-527	Nov. 1951	—	3.10	2,279
	May 11, 1954	3,063	2.92	2,146
	Aug. 2, 1956	—	3.52	2,587
JL-49-31-528	Mar. 1964	—	3.89	2,859
JL-49-31-529	1964	—	4.24	3,116
	Apr. 29, 1966	4,700	4.48	3,293
JL-49-31-701	Apr. 28, 1955	—	3.05	2,242
	June 28, 1955	—	3.05	2,242
	May 2, 1956	—	3.10	2,279
	Mar. 18, 1957	—	2.72	1,999
	Aug. 1964	—	2.56	1,882
	Aug. 1965	3,400	3.01	2,212
JL-49-31-702	Apr. 20, 1955	—	4.10	3,014
	Apr. 12, 1956	—	3.71	2,727
	Feb. 25, 1957	—	3.54	2,602
	Mar. 31, 1964	2,680	2.37	1,742
	Apr. 16, 1965	—	3.36	2,470
JL-49-31-703	Feb. 24, 1954	2,405	2.29	1,683
	Apr. 20, 1955	—	3.00	2,205
	Apr. 12, 1956	—	2.95	2,168
	Mar. 13, 1964	—	2.30	1,691
JL-49-31-704	May 11, 1956	—	4.38	3,219

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-31-706	May 1951	—	2.16	1,588
	Jan. 18, 1955	2,664	2.54	1,867
	Apr. 29, 1955	—	2.57	1,889
	Mar. 18, 1956	3,000	2.86	2,102
	Mar. 15, 1957	—	2.39	1,757
	Mar. 13, 1964	—	2.74	2,014
	Aug. 1965	2,825	2.50	1,838
JL-49-31-707	May 1951	—	2.30	1,691
	Jan. 28, 1955	2,682	2.55	1,874
	Mar. 29, 1955	—	2.76	2,029
	Mar. 17, 1956	2,920	2.78	2,043
	Mar. 19, 1957	—	2.30	1,691
	Mar. 11, 1964	—	2.23	1,639
JL-49-31-708	May 1951	—	2.40	1,764
	June 1951	—	1.42	1,044
	Apr. 1955	—	3.43	2,521
	Mar. 18, 1956	3,200	3.05	2,242
	Aug. 6, 1956	—	2.90	2,132
	Mar. 15, 1957	—	2.48	1,823
	Mar. 10, 1964	—	3.36	2,470
	Aug. 1965	3,100	2.74	2,014
JL-49-31-709	May 1951	—	2.21	1,624
	Apr. 13, 1955	—	3.43	2,521
	May 2, 1955	—	2.86	2,102
	Mar. 18, 1956	3,150	3.00	2,205
	Mar. 28, 1957	—	2.83	2,080
	Mar. 11, 1964	—	3.09	2,271
JL-49-31-710	Jan. 18, 1955	2,904	2.77	2,036
	June 28, 1955	—	2.81	2,065
	Mar. 17, 1956	3,400	3.24	2,381
	Mar. 9, 1957	—	2.74	2,014
	Mar. 11, 1964	—	2.70	1,985
	Apr. 1965	—	2.56	1,882
JL-49-31-711	Apr. 6, 1955	—	3.00	2,205
	Apr. 18, 1956	—	3.43	2,521
	Mar. 28, 1957	—	3.32	2,440
	Aug. 1965	3,400	3.01	2,212

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-31-712	Jan. 18, 1955	2,904	2.77	2,036
	Apr. 13, 1955	—	1.86	1,367
	Mar. 18, 1956	3,750	3.16	2,323
	Mar. 9, 1957	—	2.65	1,948
	Mar. 12, 1964	—	3.01	2,212
JL-49-31-713	Apr. 13, 1955	—	2.95	2,168
	Mar. 17, 1956	3,050	2.90	2,132
	Mar. 15, 1957	—	2.73	2,007
	Mar. 11, 1964	—	3.36	2,470
	Aug. 1965	5,350	4.73	3,477
JL-49-31-714	Jan. 18, 1955	2,917	2.78	2,043
	Apr. 4, 1955	—	2.86	2,102
	Mar. 11, 1964	—	3.71	2,727
	Aug. 1965	3,750	3.32	2,440
JL-49-31-715	June 29, 1955	—	3.62	2,661
	May 2, 1956	—	2.67	1,962
	May 29, 1957	—	2.56	1,882
JL-49-31-717	June 23, 1955	—	3.52	2,587
	Apr. 21, 1956	—	3.52	2,587
	Apr. 29, 1957	—	3.18	2,337
	Aug. 1964	—	3.25	2,389
JL-49-31-718	May 1951	—	1.43	1,051
	Mar. 1, 1954	1,873	1.78	1,308
	Apr. 8, 1955	—	2.21	1,624
	Mar. 18, 1956	3,000	2.86	2,102
	Mar. 9, 1957	—	2.39	1,757
	Mar. 11, 1964	—	2.03	1,492
	Apr. 23, 1965	—	2.12	1,558
JL-49-31-719	Mar. 15, 1957	—	3.89	2,859
JL-49-31-720	Aug. 1965	6,600	5.84	4,292
JL-49-31-721	Mar. 29, 1964	2,900	2.56	1,882
JL-49-31-722	Mar. 6, 1957	—	2.30	1,691
	Aug. 1964	—	5.12	3,763
JL-49-31-723	July 12, 1955	1,419	1.35	992
	Mar. 27, 1957	—	1.54	1,132
	Mar. 17, 1964	—	1.72	1,264

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-31-802	June 24, 1954	3,133	2.98	2,190
	Mar. 30, 1955	—	3.62	2,661
	July 30, 1956	—	3.24	2,381
	Mar. 18, 1957	—	2.83	2,080
	Mar. 10, 1964	—	2.70	1,985
JL-49-31-804	June 8, 1954	2,867	2.73	2,007
	Apr. 16, 1956	—	3.23	2,374
	Mar. 19, 1957	—	2.92	2,146
	Mar. 17, 1964	—	3.71	2,727
	Apr. 24, 1965	—	3.54	2,602
JL-49-31-807	May 12, 1954	3,220	3.07	2,256
	Apr. 28, 1955	—	3.24	2,381
JL-49-31-808	June 1951	—	1.98	1,455
	Apr. 26, 1954	2,456	2.34	1,720
	June 24, 1955	—	2.33	1,713
	Apr. 10, 1957	—	2.14	1,573
JL-49-31-809	Mar. 23, 1954	2,768	2.64	1,940
	Apr. 14, 1955	—	2.71	1,992
	May 25, 1955	—	3.05	2,242
	Mar. 25, 1956	—	2.86	2,102
	Mar. 18, 1957	—	2.48	1,823
	Apr. 19, 1964	2,900	2.56	1,882
JL-49-31-810	Feb. 26, 1954	2,612	2.49	1,830
	Mar. 26, 1956	—	2.87	2,109
	Mar. 19, 1957	—	2.48	1,823
	Mar. 12, 1964	—	2.83	2,080
JL-49-31-811	Mar. 23, 1955	—	5.14	3,778
	Apr. 4, 1955	4,615	4.40	3,234
	Apr. 11, 1956	—	4.38	3,219
	Mar. 18, 1957	—	3.54	2,602
	Mar. 28, 1964	3,700	3.27	2,403
	May 3, 1966	3,680	3.50	2,573
JL-49-31-812	Mar. 15, 1955	7,298	6.95	5,108
	Apr. 6, 1955	4,000	3.81	2,800
	May 11, 1956	—	6.67	4,902
	Mar. 18, 1957	—	8.22	6,042
	Aug. 1964	—	7.51	5,520

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-31-813	Mar. 23, 1955	—	2.05	1,507
	May 19, 1955	—	1.91	1,404
	May 9, 1956	—	2.00	1,470
	Mar. 18, 1957	—	1.68	1,235
	Mar. 17, 1964	—	2.65	1,948
	May 11, 1964	2,350	2.08	1,529
	Apr. 29, 1965	—	2.30	1,691
JL-49-31-814	Aug. 1951	—	2.64	1,940
	Mar. 8, 1954	2,388	3.25	2,389
	May 18, 1956	—	3.48	2,558
	Mar. 18, 1957	—	3.23	2,374
	Mar. 28, 1964	3,820	3.38	2,484
	Apr. 30, 1966	3,790	3.61	2,653
JL-49-31-815	Feb. 26, 1954	2,692	2.56	1,882
	Mar. 15, 1955	2,890	2.75	2,021
	Apr. 17, 1956	—	3.05	2,242
	Mar. 18, 1957	—	2.65	1,948
	Mar. 12, 1964	—	3.01	2,212
	Apr. 24, 1964	3,500	3.09	2,271
	Apr. 16, 1965	—	3.01	2,212
JL-49-31-816	Apr. 17, 1955	—	2.95	2,168
	Aug. 1, 1956	—	2.86	2,102
	Mar. 18, 1957	—	2.48	1,823
	Mar. 13, 1964	—	3.23	2,374
JL-49-31-817	Dec. 1951	—	2.10	1,544
	Mar. 8, 1954	2,590	2.47	1,815
	May 19, 1955	—	2.76	2,029
	Apr. 13, 1956	—	3.05	2,242
	Mar. 18, 1957	—	2.48	1,823
	Apr. 14, 1965	—	2.87	2,109
JL-49-31-818	Mar. 15, 1955	2,897	2.76	2,029
	Apr. 29, 1955	—	2.67	1,962
	Apr. 9, 1956	—	2.52	1,852
	Mar. 18, 1957	—	2.49	1,830
	Mar. 28, 1964	3,200	2.83	2,080
	May 28, 1966	3,180	3.03	2,227
JL-49-31-819	Mar. 16, 1954	2,324	2.21	1,624
	Mar. 23, 1955	—	2.10	1,544
	Apr. 29, 1955	—	1.90	1,397
	May 18, 1956	—	1.86	1,367
	Mar. 18, 1957	—	1.72	1,264
	Apr. 3, 1964	2,700	2.39	1,757

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25°C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-31-820	Mar. 22, 1954	1,864	1.78	1,308
	Mar. 15, 1955	2,024	1.93	1,419
	July 17, 1956	—	2.19	1,610
	Mar. 20, 1957	—	1.99	1,463
	Mar. 11, 1964	—	2.17	1,595
JL-49-31-821	Apr. 29, 1955	—	2.24	1,646
	Mar. 31, 1956	—	2.57	1,889
	May 12, 1956	—	2.24	1,646
	Mar. 18, 1957	—	1.90	1,397
	Apr. 16, 1964	2,650	2.34	1,720
	Apr. 15, 1965	—	2.30	1,691
	May 28, 1966	2,620	2.50	1,838
JL-49-31-822	Jan. 31, 1955	2,559	2.44	1,793
	Apr. 5, 1955	2,765	2.63	1,933
	Mar. 26, 1956	—	2.90	2,132
	May 16, 1956	—	2.71	1,992
	Mar. 25, 1964	3,400	3.01	2,212
	Apr. 30, 1966	3,380	3.22	2,367
JL-49-31-823	May 1951	—	1.70	1,250
	Mar. 23, 1954	2,170	2.07	1,521
	Mar. 15, 1955	2,272	2.16	1,588
	May 13, 1956	—	2.14	1,573
	Apr. 16, 1965	—	1.46	1,073
JL-49-31-824	June 9, 1956	—	1.95	1,433
	Apr. 7, 1957	—	2.05	1,507
	Aug. 1964	—	1.42	1,044
JL-49-31-825	Mar. 11, 1964	—	2.43	1,786
JL-49-31-826	Mar. 26, 1954	3,041	2.90	2,132
	May 11, 1956	—	2.95	2,168
	Mar. 19, 1957	—	2.65	1,948
	Mar. 12, 1964	—	3.23	2,374
	Apr. 15, 1965	—	3.01	2,212
JL-49-31-827	June 28, 1954	2,852	2.72	1,999
	May 25, 1955	—	2.71	1,992
	May 11, 1956	—	2.52	1,852
	Mar. 19, 1957	—	2.21	1,624
	Mar. 12, 1964	—	2.96	2,176
	Apr. 15, 1965	—	2.65	1,948
	June 2, 1966	2,970	2.83	2,080

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25°C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-31-828	Mar. 10, 1954	3,052	2.91	2,139
	Apr. 28, 1955	—	3.05	2,242
	Apr. 22, 1956	—	3.33	2,448
	Mar. 22, 1957	—	3.09	2,271
JL-49-31-829	June 23, 1955	—	3.43	2,521
	June 9, 1956	—	4.29	3,153
	Apr. 7, 1957	—	4.77	3,506
	Aug. 1964	—	4.02	2,955
JL-49-31-831	May 1951	—	3.20	2,352
	Apr. 22, 1956	—	4.10	3,014
	Apr. 2, 1957	—	3.40	2,499
JL-49-31-833	Apr. 26, 1955	—	2.86	2,102
	Apr. 22, 1956	—	3.40	2,499
	Apr. 6, 1957	—	2.34	1,720
	June 4, 1957	—	3.27	2,403
JL-49-31-834	May 1951	—	1.80	1,323
	Feb. 26, 1954	2,443	2.33	1,713
	Apr. 27, 1955	—	2.67	1,962
	Mar. 20, 1956	3,350	3.19	2,345
	Mar. 18, 1957	—	3.18	2,337
	Mar. 12, 1964	—	3.36	2,470
JL-49-31-835	May 1951	—	1.90	1,397
	Feb. 26, 1954	2,347	2.24	1,646
	Jan. 29, 1955	2,491	2.37	1,742
	May 17, 1955	—	2.48	1,823
	Apr. 22, 1956	—	2.69	1,977
	Apr. 16, 1957	—	2.52	1,852
	Mar. 12, 1964	—	2.92	2,146
JL-49-31-836	Feb. 26, 1954	2,069	1.97	1,448
	May 31, 1955	—	2.52	1,852
	June 29, 1955	—	2.62	1,926
	Mar. 20, 1956	3,100	2.95	2,168
	Apr. 16, 1957	—	3.01	2,212
	Mar. 12, 1964	—	2.83	2,080
JL-49-31-837	July 1951	—	2.89	2,124
	Apr. 14, 1955	—	2.71	1,992
	Apr. 29, 1956	—	2.86	2,102
	Apr. 10, 1957	—	2.74	2,014
	Mar. 17, 1964	—	2.65	1,948

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-31-838	May 1951	—	1.33	978
	Apr. 4, 1955	—	2.21	1,624
	Apr. 22, 1956	—	2.57	1,889
	Aug. 1964	—	2.25	1,654
JL-49-31-839	Mar. 18, 1957	—	2.96	2,176
JL-49-31-840	Mar. 30, 1955	7,252	6.91	5,079
	Apr. 15, 1956	—	7.90	5,807
	May 29, 1957	—	2.08	1,529
	Mar. 17, 1964	—	2.65	1,948
	Apr. 12, 1965	—	2.74	2,014
	May 27, 1966	3,090	2.94	2,161
JL-49-31-843	Mar. 18, 1957	—	1.58	1,161
	Mar. 13, 1964	—	1.86	1,367
JL-49-31-844	Mar. 12, 1964	—	4.16	3,058
	Apr. 3, 1965	—	3.36	2,470
	1966	3,780	3.60	2,646
JL-49-31-846	Apr. 12, 1965	—	3.27	2,403
JL-49-31-903	Feb. 23, 1954	2,020	1.92	1,411
	Apr. 28, 1955	—	2.10	1,544
	Apr. 16, 1956	—	2.19	1,610
	Mar. 19, 1957	—	1.86	1,367
	Mar. 1964	—	2.25	1,654
JL-49-31-906	Mar. 1964	—	1.90	1,397
JL-49-31-907	Feb. 23, 1954	3,079	2.93	2,154
	June 24, 1955	—	2.67	1,962
	Mar. 22, 1957	—	2.48	1,823
JL-49-39-101	May 4, 1955	—	5.33	3,918
	Apr. 22, 1956	—	6.57	4,829
	Mar. 15, 1957	—	5.22	3,837
	Mar. 31, 1964	5,800	5.13	3,771
	Aug. 1965	6,400	5.66	4,160
	May 15, 1966	6,403	6.10	4,484
JL-49-39-102	Apr. 13, 1955	—	2.81	2,065
	Apr. 25, 1956	—	4.00	2,940
	June 5, 1956	—	4.10	3,014
	Mar. 15, 1957	—	3.80	2,793
	Mar. 10, 1964	—	5.48	4,028

**Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued**

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-39-103	Apr. 6, 1954	5,060	4.82	3,543
	Apr. 13, 1955	—	5.33	3,918
	June 13, 1956	—	5.52	4,057
	Mar. 15, 1957	—	5.04	3,704
	Mar. 17, 1964	—	5.57	4,094
	Aug. 1965	6,500	5.75	4,226
JL-49-39-104	Apr. 25, 1956	—	5.24	3,851
	May 1, 1957	—	4.95	3,638
	Mar. 10, 1964	—	4.07	2,991
	June 2, 1966	4,530	4.31	3,162
JL-49-39-105	May 10, 1956	—	2.67	1,962
	Mar. 10, 1964	—	4.60	3,381
	Aug. 1965	4,300	3.81	2,800
	May 15, 1966	4,270	4.07	2,991
JL-49-39-106	June 13, 1956	—	4.76	3,499
	Mar. 15, 1957	—	4.86	3,572
	Mar. 10, 1964	—	5.13	3,771
JL-49-39-107	Mar. 17, 1964	—	6.19	4,550
	Mar. 28, 1964	1,750	1.55	1,139
JL-49-39-108	Mar. 31, 1964	4,000	3.54	2,602
	Aug. 1965	4,750	4.20	3,087
	May 3, 1966	4,730	4.50	3,308
JL-49-39-202	June 4, 1957	—	1.59	1,169
	Mar. 28, 1964	6,500	5.75	4,226
JL-49-39-204	Apr. 19, 1955	—	3.43	2,521
	July 11, 1955	3,519	3.35	2,462
	Apr. 22, 1956	—	3.52	2,587
	Apr. 16, 1957	—	3.54	2,602
	Aug. 1964	—	2.60	1,911
JL-49-39-205	Apr. 19, 1955	—	4.10	3,014
	Mar. 17, 1956	4,300	4.10	3,014
	May 10, 1956	—	3.76	2,764
	Mar. 28, 1957	—	3.71	2,727
	Mar. 16, 1964	—	2.23	1,639
	Mar. 28, 1964	2,550	2.25	1,654
JL-49-39-206	June 21, 1955	2,287	2.18	1,602
	June 14, 1956	—	4.57	3,359
	Apr. 15, 1957	—	5.39	3,962

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-39-211	Feb. 26, 1954	2,458	2.34	1,720
	July 10, 1955	3,762	3.58	2,631
	May 11, 1956	—	3.62	2,661
	Apr. 11, 1957	—	2.56	1,882
	Mar. 12, 1964	—	3.18	2,337
	Apr. 12, 1965	—	2.92	2,146
JL-49-39-212	Apr. 29, 1955	—	2.62	1,926
	June 15, 1956	—	2.24	1,646
	Mar. 7, 1957	—	1.77	1,301
	Aug. 1965	2,825	2.50	1,838
JL-49-39-213	Apr. 14, 1955	—	2.76	2,029
	May 25, 1956	—	2.48	1,823
	Apr. 11, 1957	—	4.95	3,638
	May 22, 1957	—	5.04	3,704
JL-49-39-214	May 1951	—	11.02	8,100
	Apr. 26, 1955	—	12.86	9,452
	Sept. 7, 1956	12,111	11.50	8,453
JL-49-39-215	May 13, 1955	—	7.24	5,321
JL-49-39-217	May 1951	—	7.10	5,219
JL-49-39-218	Jan. 29, 1955	2,344	2.23	1,639
	Apr. 4, 1955	—	4.38	3,219
	Apr. 22, 1956	—	3.14	2,308
	June 4, 1957	—	3.63	2,668
	Mar. 13, 1964	—	4.69	3,447
JL-49-39-219	Apr. 6, 1954	3,563	3.39	2,492
	June 20, 1955	3,324	3.17	2,330
	Apr. 18, 1956	—	3.81	2,800
	Mar. 21, 1964	5,500	4.86	3,572
	Aug. 1965	6,400	5.66	4,160
	May 27, 1966	6,320	6.02	4,425
JL-49-39-220	May 2, 1956	—	5.39	3,962
	June 9, 1956	—	5.14	3,778
	Apr. 19, 1957	—	5.66	4,160
	Aug. 1964	—	4.86	3,572
	Apr. 24, 1965	—	4.64	3,410
JL-49-39-221	Apr. 25, 1955	—	2.30	1,691
	May 9, 1956	—	4.76	3,499
	Mar. 15, 1957	—	4.77	3,506
	Mar. 10, 1964	—	6.63	4,873

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-39-222	Apr. 6, 1954	3,988	3.80	2,793
	Apr. 19, 1955	—	5.24	3,851
	Mar. 19, 1956	8,000	7.62	5,601
	Mar. 18, 1957	—	6.10	4,484
	Mar. 10, 1964	—	6.01	4,417
	Aug. 1965	7,000	6.19	4,550
JL-49-39-223	Apr. 6, 1954	5,103	4.86	3,572
	May 3, 1955	—	6.67	4,902
	Mar. 20, 1956	8,500	8.10	5,954
	Mar. 15, 1957	—	7.96	5,851
JL-49-39-224	Apr. 6, 1954	2,959	2.82	2,073
	Apr. 20, 1955	—	5.05	3,712
	May 9, 1956	—	4.86	3,572
	Apr. 19, 1957	—	5.04	3,704
	Mar. 10, 1964	—	4.69	3,447
JL-49-39-225	Mar. 1, 1954	5,213	4.96	3,646
	Apr. 6, 1954	5,434	5.18	3,807
	May 31, 1955	—	6.19	4,550
	Mar. 20, 1956	5,800	5.52	4,057
	Mar. 15, 1957	—	7.07	5,196
JL-49-39-226	Apr. 7, 1954	4,363	4.16	3,058
	May 6, 1955	—	4.76	3,499
	Aug. 6, 1956	—	5.14	3,778
	Mar. 15, 1957	—	5.31	3,903
	Mar. 10, 1964	—	6.01	4,417
	Aug. 1965	6,900	6.11	4,491
JL-49-39-227	Apr. 7, 1954	4,494	4.28	3,146
	May 6, 1955	—	5.33	3,918
	May 11, 1956	—	6.38	4,689
	Mar. 15, 1957	—	6.01	4,417
	Mar. 10, 1964	—	6.19	4,550
	Aug. 1965	6,850	6.06	4,454
JL-49-39-229	July 1951	—	2.55	1,874
	Dec. 1951	—	3.90	2,867
	Apr. 7, 1954	5,575	5.31	3,903
	Apr. 7, 1955	—	6.10	4,484
	May 8, 1956	—	6.67	4,902
	Apr. 5, 1957	—	6.72	4,939
	Mar. 17, 1964	—	6.01	4,417

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25°C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-39-230	June 21, 1955	6,649	6.33	4,653
	Mar. 28, 1964	3,750	3.32	2,440
JL-49-39-231	June 6, 1956	—	5.71	4,197
	May 3, 1957	—	7.96	5,851
	Mar. 10, 1964	8,100	7.16	5,263
	Aug. 1965	11,500	10.18	7,482
JL-49-39-235	Mar. 18, 1957	—	2.25	1,654
JL-49-39-302	Nov. 1951	—	3.20	2,352
	June 30, 1955	2,122	2.02	1,485
	Apr. 12, 1956	—	2.48	1,823
	Apr. 10, 1957	—	2.22	1,632
	Mar. 12, 1964	—	2.74	2,014
	Apr. 25, 1965	—	2.30	1,691
	June 2, 1966	2,580	2.46	1,808
JL-49-39-307	May 12, 1955	—	2.49	1,830
	Mar. 14, 1956	1,550	2.43	1,786
	Apr. 10, 1957	—	2.21	1,624
JL-49-39-308	Feb. 26, 1954	1,987	1.89	1,389
	May 26, 1955	—	1.81	1,330
	Apr. 22, 1956	—	2.10	1,544
	Mar. 19, 1957	—	1.87	1,374
	Mar. 12, 1964	—	2.21	1,624
JL-49-39-309	May 12, 1955	—	2.57	1,889
	May 11, 1956	—	2.36	1,735
	Apr. 24, 1965	—	2.48	1,823
JL-49-39-310	June 1951	—	1.81	1,330
	Mar. 1954	—	2.31	1,698
	Apr. 14, 1955	—	3.10	2,279
	Mar. 16, 1956	2,710	2.58	1,896
	Mar. 1, 1957	—	2.30	1,691
	Mar. 5, 1964	—	2.25	1,654
	Apr. 4, 1965	—	2.21	1,624
JL-49-39-311	Aug. 1, 1956	—	2.10	1,544
	Mar. 1, 1957	—	1.95	1,433
	Mar. 5, 1964	—	2.17	1,595
	Apr. 3, 1965	—	1.95	1,433
	Apr. 15, 1966	2,170	2.07	1,521

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-39-315	Feb. 1954	—	2.61	1,918
	Apr. 12, 1955	—	2.50	1,838
	Mar. 25, 1956	2,800	2.67	1,962
	Mar. 5, 1957	—	2.17	1,595
	Mar. 5, 1964	—	2.83	2,080
	May 3, 1966	2,370	2.26	1,661
JL-49-39-316	Dec. 1951	—	1.10	809
	Apr. 7, 1954	1,568	1.49	1,095
	Apr. 25, 1955	—	1.69	1,242
	Mar. 14, 1956	2,250	2.14	1,573
	Mar. 9, 1957	—	1.99	1,463
	Mar. 11, 1964	—	2.12	1,558
	Apr. 25, 1965	—	2.08	1,529
JL-49-39-317	Aug. 1951	—	2.44	1,793
	May 13, 1955	—	1.90	1,397
	Mar. 14, 1956	2,550	2.43	1,786
	Mar. 9, 1957	—	2.21	1,624
	Mar. 12, 1964	—	2.30	1,691
	Apr. 24, 1965	—	2.17	1,595
JL-49-39-318	Aug. 1965	2,925	2.59	1,904
JL-49-39-319	Jan. 5, 1955	1,772	1.69	1,242
	Apr. 19, 1955	—	2.29	1,683
	Mar. 14, 1956	—	2.29	1,683
	May 15, 1957	—	1.23	904
	Mar. 28, 1964	2,300	2.03	1,492
JL-49-39-320	Aug. 1951	—	1.01	742
	Feb. 26, 1954	1,650	1.57	1,154
	Jan. 5, 1955	2,283	2.17	1,595
	Apr. 19, 1955	—	2.76	2,029
	Mar. 14, 1956	2,200	2.10	1,544
	May 15, 1957	—	1.56	1,147
JL-49-39-321	Feb. 1954	—	2.16	1,588
	May 12, 1955	—	2.86	2,102
	Mar. 21, 1956	3,270	3.11	2,286
	Mar. 18, 1957	—	3.01	2,212
	Mar. 5, 1964	—	2.03	1,492
	May 3, 1966	3,370	3.21	2,359
JL-49-39-322	Apr. 1954	—	1.61	1,183
	Apr. 21, 1955	—	3.14	2,308
	Mar. 16, 1956	3,100	2.95	2,168
	Mar. 7, 1957	—	2.39	1,757

**Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued**

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-39-323	May 1951	—	2.10	1,544
	Feb. 1954	—	2.59	1,904
	Apr. 10, 1955	—	2.67	1,962
	Mar. 20, 1956	—	2.62	1,926
	Mar. 1, 1957	—	1.52	1,117
	Mar. 8, 1965	—	2.30	1,691
JL-49-39-324	Mar. 1954	—	3.35	2,462
	May 17, 1955	—	3.14	2,308
	Mar. 16, 1956	3,350	3.19	2,345
	Mar. 14, 1957	—	3.05	2,242
	Aug. 1964	—	3.18	2,337
	Mar. 28, 1965	—	3.18	2,337
	Mar. 27, 1966	3,540	3.37	2,477
	Apr. 11, 1966	3,540	3.37	2,477
JL-49-39-325	Apr. 20, 1955	—	2.57	1,889
	Mar. 16, 1956	2,680	2.55	1,874
	Mar. 21, 1957	—	2.03	1,492
	Mar. 5, 1964	—	2.49	1,830
	Mar. 4, 1965	—	2.48	1,823
	Mar. 27, 1966	2,760	2.63	1,933
	Apr. 11, 1966	2,340	2.23	1,639
JL-49-39-326	Jan. 24, 1955	2,371	2.26	1,661
	May 11, 1955	—	2.35	1,727
	Mar. 14, 1956	2,600	2.48	1,823
	Mar. 19, 1957	—	2.12	1,558
	Mar. 11, 1964	—	2.56	1,882
JL-49-39-327	May 1951	—	1.92	1,411
	Dec. 29, 1954	2,189	2.08	1,529
	Apr. 20, 1955	—	2.29	1,683
	Mar. 14, 1956	2,650	2.52	1,852
	Apr. 17, 1957	—	2.48	1,823
	Mar. 11, 1964	—	2.48	1,823
	Aug. 1965	3,850	3.41	2,506
JL-49-39-328	Apr. 6, 1954	4,591	4.37	3,212
	Jan. 11, 1955	2,664	2.54	1,867
	Apr. 11, 1955	—	2.48	1,823
	Mar. 14, 1956	3,800	3.62	2,661
	Mar. 19, 1957	—	2.96	2,176
	Mar. 11, 1964	—	2.96	2,176
	Apr. 12, 1965	—	2.30	1,691

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-39-329	May 1951	—	1.72	1,264
	Apr. 7, 1954	2,888	2.75	2,021
	Jan. 11, 1955	3,293	3.14	2,308
	May 11, 1955	—	3.24	2,381
	Mar. 14, 1956	3,050	2.90	2,132
	Mar. 19, 1957	—	3.54	2,602
	Mar. 11, 1964	—	3.98	2,925
	Aug. 1965	4,425	3.92	2,881
JL-49-39-330	Aug. 8, 1956	—	2.38	1,749
	Mar. 19, 1957	—	2.12	1,558
	Mar. 28, 1964	2,400	2.12	1,558
	May 27, 1966	2,380	2.27	1,668
JL-49-39-331	June 1951	—	2.52	1,852
	Feb. 26, 1954	5,169	4.92	3,616
	Mar. 14, 1956	6,500	6.19	4,550
	Mar. 18, 1957	—	5.48	4,028
JL-49-39-332	Apr. 7, 1955	—	2.24	1,646
	May 29, 1956	—	1.92	1,411
	Apr. 16, 1957	—	2.22	1,632
JL-49-39-333	May 1951	—	2.83	2,080
	Feb. 26, 1954	3,432	3.27	2,403
	Apr. 7, 1955	—	3.05	2,242
	May 29, 1956	—	2.43	1,786
	Apr. 16, 1957	—	2.79	2,051
JL-49-39-335	Sept. 1951	—	2.56	1,882
	Feb. 1954	—	3.17	2,330
	Apr. 10, 1955	—	2.67	1,962
	Mar. 20, 1956	3,600	3.43	2,521
	Mar. 1, 1957	—	2.83	2,080
	Mar. 8, 1965	—	2.61	1,918
JL-49-39-336	Apr. 29, 1955	—	1.86	1,367
	May 1, 1956	—	3.19	2,345
	Apr. 16, 1957	—	3.35	2,462
	Mar. 17, 1964	—	3.54	2,602
JL-49-39-337	Apr. 7, 1954	2,396	2.28	1,676
	Jan. 11, 1955	6,111	5.82	4,278
	Apr. 19, 1955	—	7.62	5,601
	Mar. 11, 1964	—	3.45	2,536

**Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued**

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-39-338	Dec. 29, 1954	1,692	1.61	1,183
	Apr. 20, 1955	—	1.34	985
	Mar. 14, 1956	1,720	1.64	1,205
	Apr. 10, 1957	—	1.58	1,161
	Aug. 1965	2,000	1.77	1,301
	June 2, 1966	1,990	1.90	1,397
JL-49-39-342	Apr. 29, 1955	—	3.33	2,448
	May 3, 1956	—	3.43	2,521
	Apr. 16, 1957	—	4.60	3,381
	Mar. 16, 1964	—	3.45	2,536
JL-49-39-343	May 3, 1955	—	2.67	1,962
	June 28, 1955	—	3.29	2,418
	Apr. 12, 1956	—	3.24	2,381
	Apr. 17, 1957	—	3.32	2,440
	Mar. 12, 1964	—	3.40	2,499
JL-49-39-501	Apr. 4, 1955	—	7.14	5,248
	Aug. 13, 1956	—	2.46	1,808
	Apr. 19, 1957	—	9.90	7,277
	Aug. 1965	7,000	6.19	4,550
	May 27, 1966	6,970	6.64	4,880
JL-49-39-601	Aug. 1951	—	3.93	2,889
	Mar. 16, 1964	—	4.60	3,381
JL-49-39-602	May 3, 1957	—	7.52	5,527
	Apr. 24, 1965	—	2.56	1,882
	Aug. 1965	6,150	5.44	3,998
JL-49-39-604	Jan. 28, 1955	6,749	6.43	4,726
	Apr. 15, 1955	—	6.86	5,042
	May 8, 1956	—	6.57	4,829
	Mar. 7, 1957	—	4.51	3,315
	Mar. 16, 1964	—	4.95	3,638
	Apr. 24, 1965	—	6.01	4,417
	May 27, 1966	6,780	6.46	4,748
JL-49-39-605	Mar. 15, 1956	4,600	4.38	3,219
	Mar. 25, 1957	—	7.96	5,851
JL-49-39-606	June 21, 1955	—	5.33	3,918
	Mar. 14, 1956	6,000	5.71	4,197
	Mar. 19, 1957	—	7.96	5,851
	Mar. 28, 1964	4,200	3.71	2,727

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25°C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-39-607	Apr. 26, 1955	—	6.19	4,550
	Mar. 14, 1956	7,500	7.14	5,248
	May 3, 1957	—	3.98	2,925
	Mar. 28, 1964	5,700	5.04	3,704
	Apr. 12, 1965	—	5.66	4,160
	Apr. 24, 1965	—	7.07	5,196
	June 2, 1966	6,370	6.07	4,461
JL-49-39-608	June 28, 1955	—	6.19	4,550
	May 20, 1956	—	5.52	4,057
	Apr. 9, 1957	—	6.45	4,741
JL-49-39-609	June 21, 1955	—	4.38	3,219
	Apr. 12, 1956	—	4.57	3,359
	Apr. 17, 1957	—	4.51	3,315
	Mar. 31, 1964	4,300	3.80	2,793
	Aug. 1965	4,750	4.20	3,087
JL-49-39-611	Aug. 1965	1,725	1.53	1,125
JL-49-39-614	June 30, 1955	—	4.63	3,403
	Mar. 14, 1956	6,300	6.00	4,410
	Mar. 25, 1957	—	7.07	5,196
	Aug. 1964	—	6.41	4,711
	Apr. 1965	—	8.84	6,497
	Aug. 1965	8,050	7.12	5,233
	Apr. 27, 1966	8,030	7.65	5,623
JL-49-39-615	Jan. 28, 1955	6,568	6.26	4,601
	Apr. 5, 1955	—	6.38	4,689
	Aug. 1964	—	8.17	6,005
JL-49-39-616	Apr. 5, 1955	—	7.14	5,248
	May 18, 1956	—	10.48	7,703
	Aug. 1964	—	3.51	2,580
	Aug. 1965	8,050	7.12	5,233
JL-49-39-617	Apr. 11, 1955	—	2.67	1,962
	Apr. 16, 1956	—	2.48	1,823
	Mar. 18, 1957	—	2.39	1,757
	Aug. 1964	—	2.40	1,764
JL-49-39-618	June 23, 1955	—	2.86	2,102
	May 21, 1956	—	2.86	2,102
	Mar. 16, 1964	—	3.18	2,337
	Aug. 1964	—	2.74	2,014

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-40-101	May 1951	—	2.70	1,985
	Mar. 1954	—	3.04	2,234
	June 27, 1955	2,955	2.81	2,065
	Mar. 16, 1956	3,400	3.24	2,381
	Mar. 29, 1957	—	2.74	2,014
JL-49-40-102	Apr. 1954	—	1.39	1,022
	May 31, 1955	—	2.10	1,544
	Mar. 16, 1956	2,600	2.48	1,823
	Mar. 4, 1957	—	2.17	1,595
JL-49-40-106	Nov. 1951	—	2.90	2,132
	Mar. 1954	—	3.50	2,573
	Apr. 16, 1955	—	3.81	2,800
	Mar. 16, 1956	3,600	3.43	2,521
	Mar. 1, 1957	—	3.53	2,595
	Mar. 9, 1964	—	4.07	2,991
JL-49-40-403	Feb. 1954	—	2.69	1,977
	Apr. 27, 1955	—	3.81	2,800
	Mar. 20, 1956	—	4.19	3,080
	Apr. 1, 1957	—	4.07	2,991
	Mar. 6, 1964	—	2.79	2,051
JL-49-40-408	Apr. 4, 1955	6,283	5.98	4,395
	Mar. 21, 1956	7,400	7.05	5,182
	Mar. 1, 1957	—	6.19	4,550
	Mar. 10, 1964	7,700	6.81	5,005
JL-49-40-411	Mar. 8, 1955	—	4.29	3,153
	Mar. 1956	—	3.80	2,793
	Aug. 8, 1956	—	5.14	3,778
	Mar. 4, 1957	—	4.60	3,381
	Aug. 1964	—	4.11	3,021
	Feb. 24, 1965	—	4.20	3,087
	May 3, 1966	4,730	4.50	3,308
May 3, 1966	4,610	4.39	3,227	
JL-49-40-413	Mar. 19, 1957	—	4.51	3,315
JL-49-40-414	Apr. 1954	—	2.58	1,896
	May 3, 1955	—	5.33	3,918
	Apr. 15, 1956	—	6.10	4,484
	Mar. 7, 1957	—	5.75	4,226

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-40-415	May 3, 1955	—	6.86	5,042
	May 6, 1956	—	4.95	3,638
	Apr. 15, 1956	—	5.43	3,991
	Mar. 7, 1957	—	4.24	3,116
	Mar. 26, 1964	4,000	3.54	2,602
	Aug. 1964	3,200	2.83	2,080
	Mar. 29, 1965	—	3.85	2,830
JL-49-40-416	May 10, 1955	—	4.19	3,080
	Mar. 25, 1956	—	4.76	3,499
	Apr. 9, 1957	—	4.07	2,991
	Mar. 8, 1965	—	3.54	2,602
JL-49-40-417	Feb. 1954	—	3.17	2,330
	Mar. 28, 1955	—	3.19	2,345
	Mar. 20, 1956	3,700	3.52	2,587
	Apr. 1, 1957	—	2.96	2,176
	Mar. 6, 1964	—	3.27	2,403
	Mar. 28, 1965	—	2.56	1,882
JL-49-40-418	Mar. 1954	—	3.18	2,337
	Apr. 25, 1955	—	3.71	2,727
	Mar. 21, 1956	3,450	3.29	2,418
	Mar. 1, 1957	—	2.96	2,176
	Mar. 6, 1964	—	3.18	2,337
	Mar. 4, 1965	—	3.01	2,212
JL-49-40-419	Mar. 1954	—	4.72	3,469
	Apr. 25, 1955	—	2.86	2,102
	Mar. 21, 1956	—	7.14	5,248
	May 7, 1956	—	6.48	4,763
	Mar. 1, 1957	—	6.19	4,550
	Mar. 5, 1964	—	6.37	4,682
	Feb. 24, 1965	—	7.07	5,196
	Apr. 10, 1966	7,970	7.59	5,579
JL-49-40-420	Mar. 1954	—	4.50	3,308
	Apr. 11, 1955	—	8.00	5,880
	Mar. 16, 1956	5,100	4.30	3,161
	June 20, 1956	—	4.57	3,359
	Mar. 14, 1957	—	4.24	3,116
	Feb. 24, 1965	—	3.63	2,668

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-40-421	Apr. 11, 1955	—	5.43	3,991
	Mar. 16, 1956	3,990	3.80	2,793
	June 20, 1956	—	3.48	2,558
	Mar. 14, 1957	—	3.23	2,374
	Mar. 12, 1964	4,700	4.16	3,058
	Feb. 24, 1965	—	4.02	2,955
	Apr. 11, 1966	3,690	3.51	2,580
JL-49-40-422	Mar. 1954	—	4.82	3,543
	June 27, 1955	4,866	4.63	3,403
	Mar. 20, 1956	5,900	5.62	4,131
	Mar. 5, 1957	—	4.42	3,249
JL-49-40-423	Apr. 1954	—	3.18	2,337
	Apr. 29, 1955	—	3.71	2,727
	Mar. 20, 1956	4,400	4.19	3,080
	Mar. 4, 1957	—	3.63	2,668
JL-49-40-428	Mar. 1954	—	3.02	2,220
	Apr. 12, 1955	—	3.24	2,381
	Mar. 21, 1956	—	3.50	2,573
	Mar. 1, 1957	—	3.01	2,212
	Mar. 9, 1964	—	3.45	2,536
JL-49-40-429	Apr. 4, 1955	3,810	3.63	2,668
	Mar. 16, 1956	3,450	3.29	2,418
	Mar. 1, 1957	—	2.96	2,176
	Mar. 10, 1964	3,900	3.45	2,536
JL-49-40-430	Feb. 1954	—	5.01	3,682
	Apr. 16, 1955	—	5.81	4,270
	Mar. 21, 1956	5,900	5.62	4,131
	Mar. 5, 1957	—	5.22	3,837
	Mar. 4, 1965	—	3.01	2,212
	Mar. 25, 1966	3,380	3.22	2,367
JL-49-40-431	June 27, 1955	5,498	5.24	3,851
	Mar. 21, 1956	6,200	5.90	4,337
	Mar. 1, 1957	—	5.48	4,028
	Mar. 12, 1964	3,050	2.70	1,985
	Mar. 16, 1965	—	4.42	3,249
JL-49-40-432	Feb. 1954	—	5.54	4,072
	Apr. 12, 1955	—	6.95	5,108
	Mar. 21, 1956	4,600	4.38	3,219
	May 11, 1956	—	5.71	4,197
	Mar. 1, 1957	—	4.69	3,447
	Mar. 9, 1964	—	5.16	3,793
	Mar. 29, 1965	—	4.60	3,381
	Apr. 15, 1966	5,100	4.86	3,572

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-40-433	Feb. 1954	—	3.39	2,492
	Apr. 13, 1955	—	3.05	2,242
	Mar. 16, 1956	3,000	2.86	2,102
	Mar. 4, 1957	—	3.54	2,602
	Apr. 2, 1964	4,600	4.07	2,991
JL-49-40-435	Mar. 1954	—	3.15	2,315
	Apr. 12, 1955	—	2.40	1,764
	Mar. 16, 1956	3,600	3.43	2,521
	Mar. 4, 1957	—	3.54	2,602
	Mar. 12, 1964	4,700	4.16	3,058
	Mar. 4, 1965	—	4.33	3,183
JL-49-40-436	Apr. 13, 1955	—	1.71	1,257
	Mar. 16, 1956	2,300	2.19	1,610
	Mar. 4, 1957	—	3.25	2,389
	Apr. 2, 1964	4,200	3.71	2,727
JL-49-40-507	Mar. 1954	—	2.98	2,190
	May 3, 1955	—	2.95	2,168
	May 14, 1956	—	2.95	2,168
	Mar. 26, 1957	—	3.02	2,220
	Aug. 1964	—	2.99	2,198
JL-49-40-508	Aug. 1964	—	2.40	1,764
	Mar. 18, 1965	—	3.54	2,602
JL-49-40-509	Aug. 1964	—	2.82	2,073
JL-49-40-510	Feb. 1954	—	5.46	4,013
	Apr. 11, 1955	—	5.71	4,197
	Mar. 14, 1957	—	4.86	3,572
	Mar. 12, 1964	5,500	4.86	3,572
	Mar. 4, 1965	—	5.08	3,734
JL-49-40-701	Mar. 1954	—	1.45	1,066
	Apr. 12, 1955	—	1.73	1,272
	Mar. 16, 1956	1,800	1.71	1,257
	Mar. 4, 1957	—	1.72	1,264
	Mar. 4, 1965	—	2.43	1,786
JL-49-40-704	Mar. 16, 1956	3,300	3.14	2,308
	Mar. 4, 1957	—	3.09	2,271
	Aug. 1964	—	3.09	2,271

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

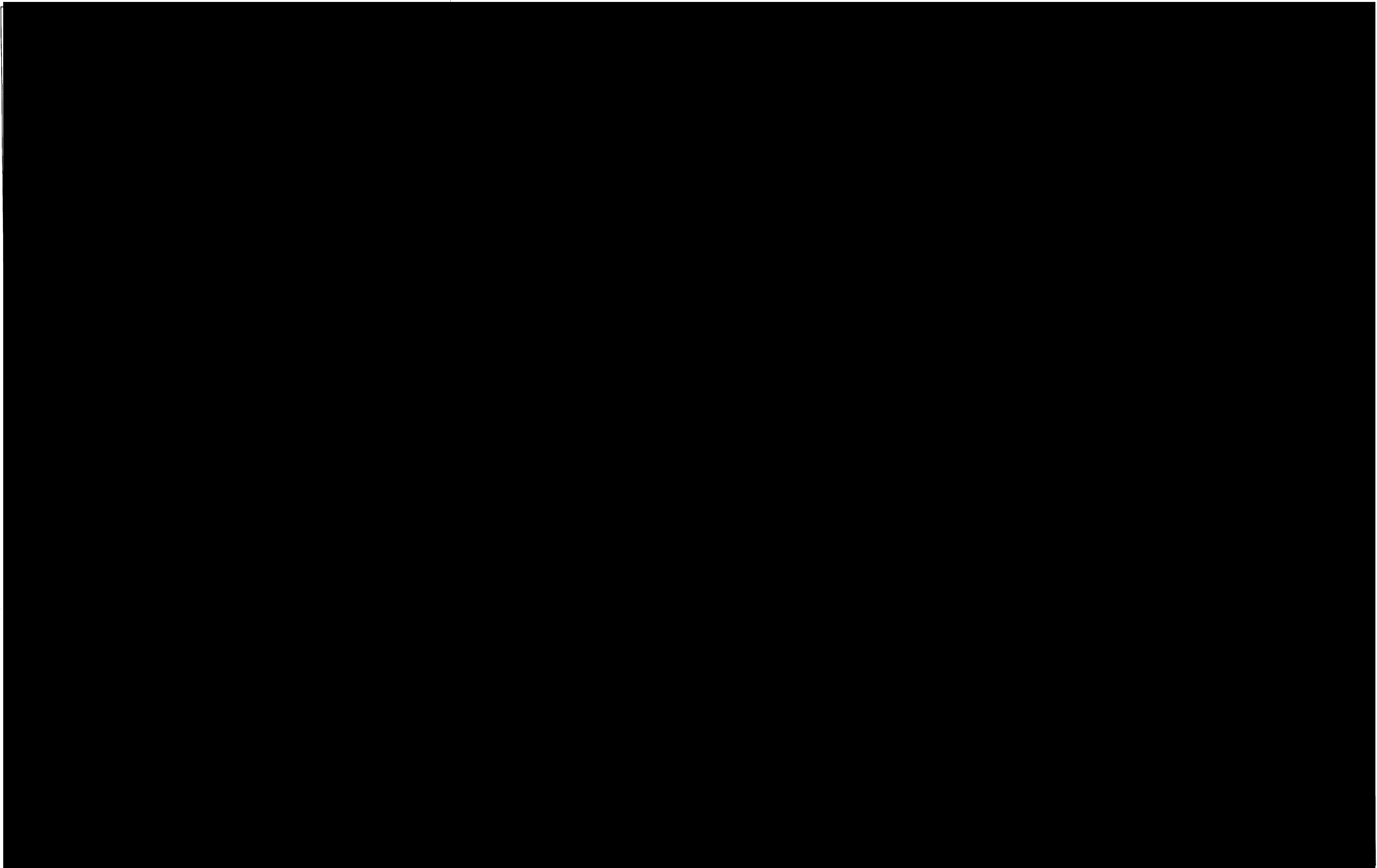
Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-40-705	Mar. 1954	—	2.20	1,617
	Apr. 11, 1955	—	2.33	1,713
	Mar. 16, 1956	2,550	2.43	1,786
	Mar. 4, 1957	—	1.70	1,250
	Mar. 4, 1965	—	2.43	1,786
	Mar. 27, 1966	2,710	2.58	1,896
JL-49-40-706	Feb. 1954	—	2.44	1,793
	Apr. 11, 1955	—	2.76	2,029
	Mar. 16, 1956	3,000	2.86	2,102
	Mar. 18, 1957	—	3.09	2,271
	Mar. 12, 1964	4,000	3.54	2,602
	Mar. 4, 1965	—	4.02	2,955
JL-49-40-707	Apr. 1954	—	2.80	2,058
	Apr. 11, 1955	—	4.29	3,153
	Mar. 16, 1956	5,200	4.95	3,638
	Mar. 12, 1964	4,100	3.63	2,668
JL-49-40-708	June 14, 1955	—	3.33	2,448
	Mar. 16, 1956	4,400	4.19	3,080
	Mar. 4, 1957	—	4.86	3,572
	Mar. 4, 1965	—	2.12	1,558
JL-49-40-709	June 19, 1955	—	6.19	4,550
	Mar. 16, 1956	5,600	5.33	3,918
	Mar. 4, 1957	—	3.63	2,668
JL-49-40-710	Apr. 2, 1964	—	.81	595
JL-49-40-804	May 1951	—	2.79	2,051
	Mar. 1954	—	3.11	2,286
	Mar. 29, 1955	3,506	3.34	2,455
	Mar. 16, 1956	4,000	3.81	2,800
	Mar. 4, 1957	—	3.45	2,536
	Mar. 12, 1964	4,300	3.80	2,793
	Mar. 8, 1965	—	3.36	2,470
JL-49-40-805	Mar. 1954	—	3.28	2,411
	Mar. 29, 1955	3,449	3.28	2,411
	Mar. 16, 1956	3,600	3.43	2,521
	Mar. 4, 1957	—	3.00	2,205
	Mar. 12, 1964	3,400	3.01	2,212
	Mar. 8, 1965	—	2.87	2,109
	May 2, 1966	3,390	3.23	2,374

Table 8.—Salinity of Water From Selected Irrigation Wells Producing From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-40-806	Mar. 1954	—	3.41	2,506
	Mar. 29, 1955	3,527	3.36	2,470
	Mar. 16, 1956	2,650	2.52	1,852
	Mar. 4, 1957	—	3.14	2,308
	Mar. 12, 1964	3,600	3.18	2,337
	Mar. 8, 1965	—	3.01	2,212
JL-49-40-808	Mar. 1954	—	3.90	2,867
	July 5, 1955	4,267	4.06	2,984
	Aug. 1, 1956	—	4.57	3,359
	Mar. 5, 1957	—	3.63	2,668
	Mar. 16, 1964	4,200	3.71	2,727
	Mar. 19, 1965	—	3.89	2,859
JL-49-40-809	Mar. 30, 1955	2,595	2.47	1,815
	Mar. 16, 1956	2,990	2.85	2,095
	Mar. 5, 1957	—	2.52	1,852
	Mar. 19, 1965	—	3.54	2,602
JL-49-40-810	Mar. 28, 1964	4,000	3.54	2,602
JL-49-40-812	Mar. 30, 1965	—	3.27	2,403
JL-49-40-813	Mar. 22, 1955	—	6.67	4,902
	Mar. 16, 1956	4,300	3.62	2,661
	Aug. 2, 1956	—	3.71	2,727
	Mar. 14, 1957	—	3.63	2,668
	Mar. 12, 1964	3,750	3.32	2,440
	May 3, 1966	3,730	3.55	2,609
	June 1, 1966	3,880	3.70	2,720
JL-49-40-814	Mar. 1954	—	4.97	3,653
	Apr. 11, 1955	—	4.95	3,638
	Mar. 12, 1964	4,300	3.80	2,793
	Mar. 4, 1965	—	3.89	2,859
JL-49-40-815	Feb. 1954	—	4.27	3,138
	Apr. 5, 1955	—	4.76	3,499
	Mar. 12, 1964	2,600	2.30	1,691
	Mar. 4, 1965	—	4.20	3,087
JL-49-40-816	Mar. 1954	—	2.92	2,146
	Apr. 29, 1955	—	3.19	2,345
	Mar. 21, 1956	3,810	3.63	2,668
	Mar. 14, 1957	—	3.32	2,440
	Mar. 12, 1964	3,200	2.83	2,080
	Mar. 30, 1965	—	2.83	2,080
	Apr. 15, 1966	3,180	3.03	2,227

Table 8.—Salinity of Water From Selected Irrigation Wells Producing
From the Rio Grande Alluvium—Continued

Well	Date	Specific conductance (micromhos at 25° C)	Dissolved-solids content	
			Tons per acre-foot	Milligrams per liter
JL-49-40-817	Mar. 1954	—	2.94	2,161
	Apr. 18, 1955	—	3.24	2,381
	Mar. 16, 1956	3,800	3.62	2,661
	Mar. 18, 1957	—	3.36	2,470
JL-49-40-901	Mar. 1954	—	3.94	2,896
	Apr. 6, 1955	—	4.48	3,293
	Mar. 16, 1956	4,600	4.38	3,219
	Mar. 4, 1957	—	3.98	2,925
	Mar. 8, 1965	—	3.54	2,602
JL-49-40-902	Apr. 6, 1955	—	3.43	2,521
	Mar. 16, 1956	4,200	4.00	2,940
	Mar. 4, 1957	—	3.98	2,925
	Aug. 1964	—	3.75	2,756
	Mar. 8, 1965	—	3.54	2,602



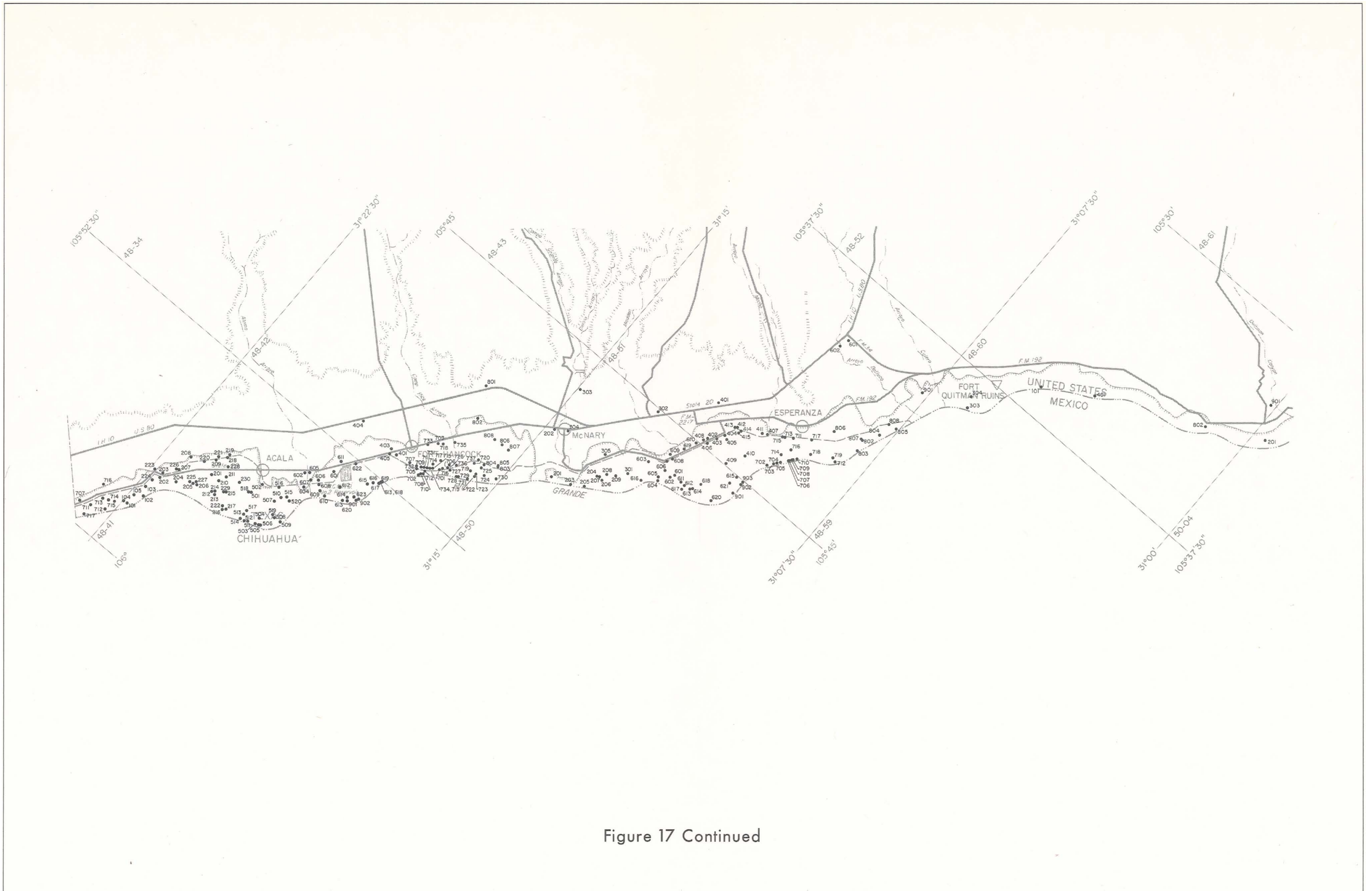


Figure 17 Continued