Ground-Water Withdrawals, Water-Level Changes, Land-Surface Subsidence, and Ground-Water Quality in Fort Bend County, Texas, 1969–87

By Glenn L. Locke

U.S. GEOLOGICAL SURVEY
Water-Resources Investigations Report 90-4012

Prepared in cooperation with
FORT BEND COUNTY

Austin, Texas

1990

DEPARTMENT OF THE INTERIOR
MANUEL LUJAN, JR., Secretary
U.S. GEOLOGICAL SURVEY
Dallas L. Peck, Director

For additional information
write to:

District Chief
U.S. Geological Survey
8011 Cameron Rd.
Austin, TX 78753

Copies of this report can be
purchased from:

U.S. Geological Survey
Books and Open-File Reports Section
Federal Center, Bldg. 810
Box 25425
Denver, CO 80225

CONTENTS

ILLUSTRATIONS

ILLUSTRATIONS--Continued

TABLES

CONVERSION FACTORS

Factors for converting inch-pound units to metric (International System) units are given in the following table:

Multiply inch-pound unit	By	To obtain metric units
inch (in.)	25.4	millimeter (mm)
acre	0.4047	hectare
foot (ft)	0.3048	meter (m)
per foot (ft^{-1})	3.2808	per meter (m^{-1})
foot per year (ft/yr)	0.3048	meter per year (m/yr)
gallon per minute (gal/min)	0.06308	liter per second (L/s)
mile (mi)	1.609	kilometer (km)
million gallons per day (Mgal/d)	0.04381	cubic meter per second (m^3/s)
square mile (mi^2)	2.590	square kilometer (km^2)

Milligrams per liter (mg/L): A unit expressing the concentration of a chemical constituent in solution as weight (milligrams) of solute per unit volume (liter) of water. One mg/L equals 1,000 micrograms per liter.

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called "Sea Level Datum of 1929."

GROUND-WATER WITHDRAWALS, WATER-LEVEL CHANGES, LAND-SURFACE SUBSIDENCE, AND GROUND-WATER QUALITY IN FORT BEND COUNTY, TEXAS, 1969-87

By
Glenn L. Locke

ABSTRACT

Fort Bend County, which has one of the fastest growing populations of all counties in the United States, is dependent entirely on ground water for public supply. Since 1969, at least 90 large-capacity wells have been drilled, of which 57 were public supply wells, 23 were irrigation wells, and 10 were industrial wells. All but seven of the new public-supply wells are located in the northeastern part of the county.

The withdrawal of ground water in Fort Bend County increased from 56 million gallons per day in 1969 to 72 million gallons per day in 1982, and then decreased to 53 million gallons per day in 1986. Withdrawals for public supply increased from 4 million gallons per day in 1969 to 28 million gallons per day in 1986. Withdrawals for irrigation averaged 38 million gallons per day during 1969-82 and in 1984, but averaged 20 million gallons per day in 1983, 1985, and 1986. Withdrawals for industrial use declined from 13 million gallons per day in 1969 to 5 million gallons per day in 1986.

Water levels in wells screened in the upper unit of the Chicot aquifer generally fluctuated less than 4 feet between 1968-69 and 1987. During the same period, water-level declines in wells screened in the lower unit of the Chicot aquifer ranged from less than 10 feet in most of the western part of the county to 100 feet in the northeastern corner. In the southwestern part of the county, the decline was less than 20 feet. Hydrographs of wells completed in the lower unit of the Chicot showed that water levels continued to decline from 1969 to the early 1980's. The hydrographs of wells located outside of the northeast area generally show a stabilization of water levels corresponding to the reduction in withdrawals after 1982 in Fort Bend County and in the neighboring Houston metropolitan area to the northeast.

Withdrawals from the Evangeline aquifer increased from 15 percent of the total in 1969 to 50 percent in 1986. Water-level declines in wells screened in the Evangeline aquifer during the same period ranged from less than 25 feet in the northwestern part of the county to 125 feet in the northeastern part.

In the southwestern one-quarter of the county, the decline was less than 50 feet.

Declines in the potentiometric surfaces of the aquifers have caused compaction of clay resulting in land-surface subsidence. Between 1906 and 1978, about 65 percent of the county subsided more than 0.5 foot. Studies in the Houston area have shown that most clay compaction occurs in the Chicot aquifer and that the compressibility of the clays increases towards the coast. The total thickness of clays in the Chicot aquifer increases from less than 150 feet in the northwestern part of Fort Bend County to more than 350 feet along the eastern border. The total thickness of clay in the Evangeline aquifer increases from an average of about 700 feet in the northwest to about 1,100 feet in the east. The northeastern part of Fort Bend County is most susceptible to future subsidence because it is the area where the largest water-level declines have occurred and where the thickest, most compressible clays in the county are found.

The concentrations of dissolved solids in water from wells in Fort Bend County have not changed appreciably from 1969 to 1987. The median concentrations of dissolved solids are 475 milligrams per liter in water from the upper unit of the Chicot aquifer, 337 milligrams per liter in water from the lower unit of the Chicot aquifer, and 307 milligrams per liter in water from the Evangeline aquifer.

INTRODUCTION

The population of Fort Bend County in southeastern Texas (fig. 1) is one of the fastest growing in the United States, increasing from 52,314 in 1970 (U.S. Bureau of the Census, 1973) to 179,732 in 1986 (Texas A&M University, 1986). Ground water has been developed extensively to meet the needs of the growing population of the county and the city of Houston in adjacent Harris County. An investigation of the ground-water resources of Fort Bend County was conducted by the U.S. Geological Survey during 1968-69 (Wesselman, 1972), but little data has been collected since.

This report documents ground-water withdrawals and changes in water levels and water quality in Fort Bend County since the 1968-69 investigation by Wesselman (1972), and delineates areas susceptible to land-surface subsidence. The investigation was a cooperative project of the U.S. Geological Survey and Fort Bend County.

The investigation included: (1) An inventory of industrial, public supply, and irrigation wells, and a representative number of domestic and livestock wells; (2) an inventory of the withdrawal of ground water for industrial, public supply, and irrigation uses; (3) compilation and analysis of measurements of water levels in wells since 1969; (4) determination of clay thickness based on electric logs of wells and test holes in the Chicot and Evangeline aquifers; (5) delineation of the area most susceptible to land-surface subsidence on the basis of clay thickness, water-level declines, and studies from adjacent areas; and (6) analyses of water samples to determine changes in the chemical quality of the water.

Location and Extent of the Area

Fort Bend County, located in southeast Texas, is bordered by Harris County on the northeast, Brazoria County on the southeast, Wharton County on the southwest, and Austin and Waller Counties on the northwest (fig. 1). The county has an area of 862 mi^2. The topography varies from level to rolling prairie. The altitude ranges from 50 ft above sea level in the southeast to 200 ft above sea level in the northwest. The county is drained by the Brazos and San Bernard Rivers. The climate is subtropical.

Well-Numbering System

The location of wells in Fort Bend County is shown in figure 2. The well-numbering system used in this report is the system adopted by the Texas Water Development Board for use throughout the State. In this system, each 1-degree quadrangle in the State is given a number consisting of two digits from 01 to 89. These are the first two digits in the well number. Each 1-degree

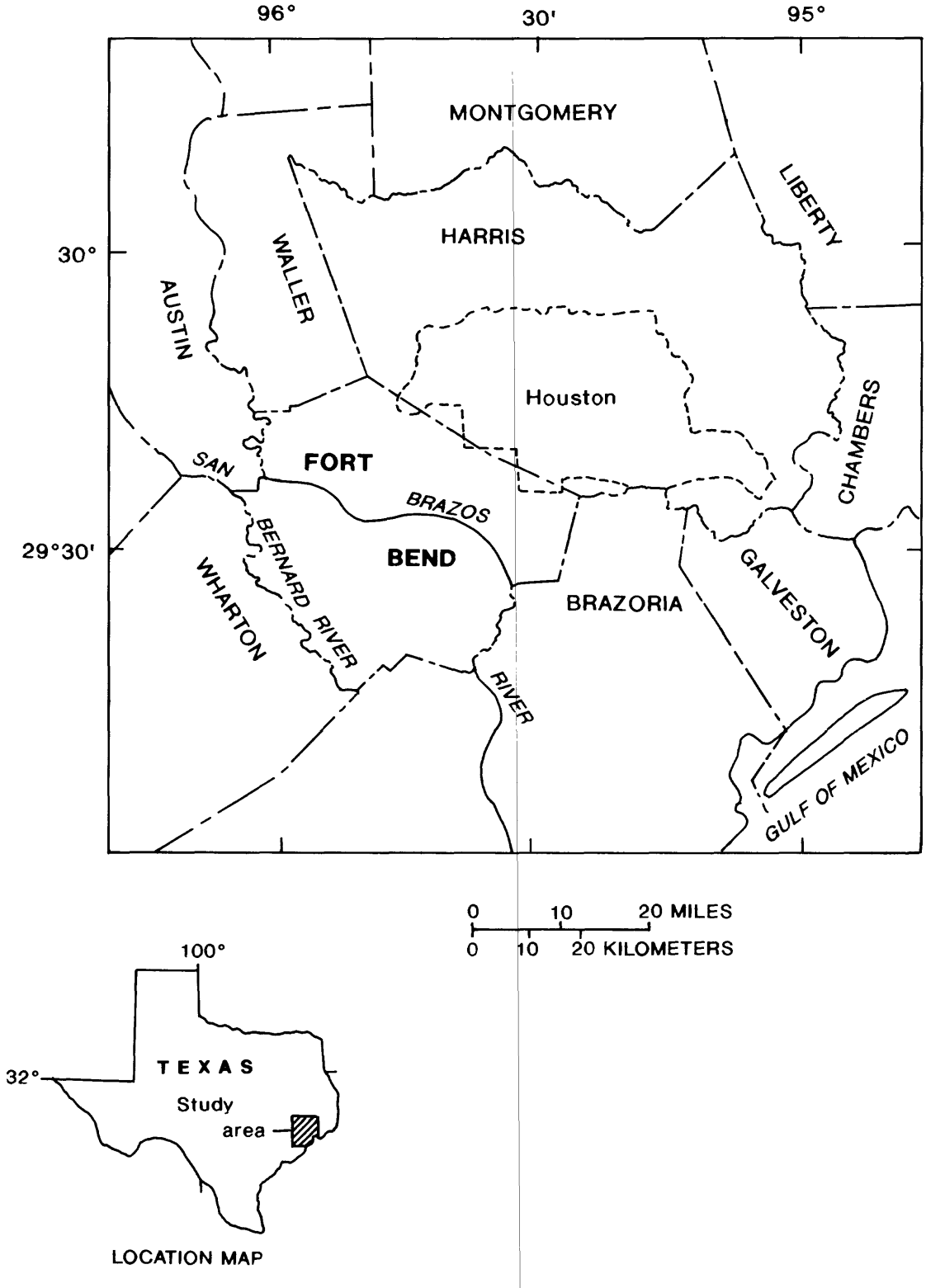

Figure 1.--Location of Fort Bend County.

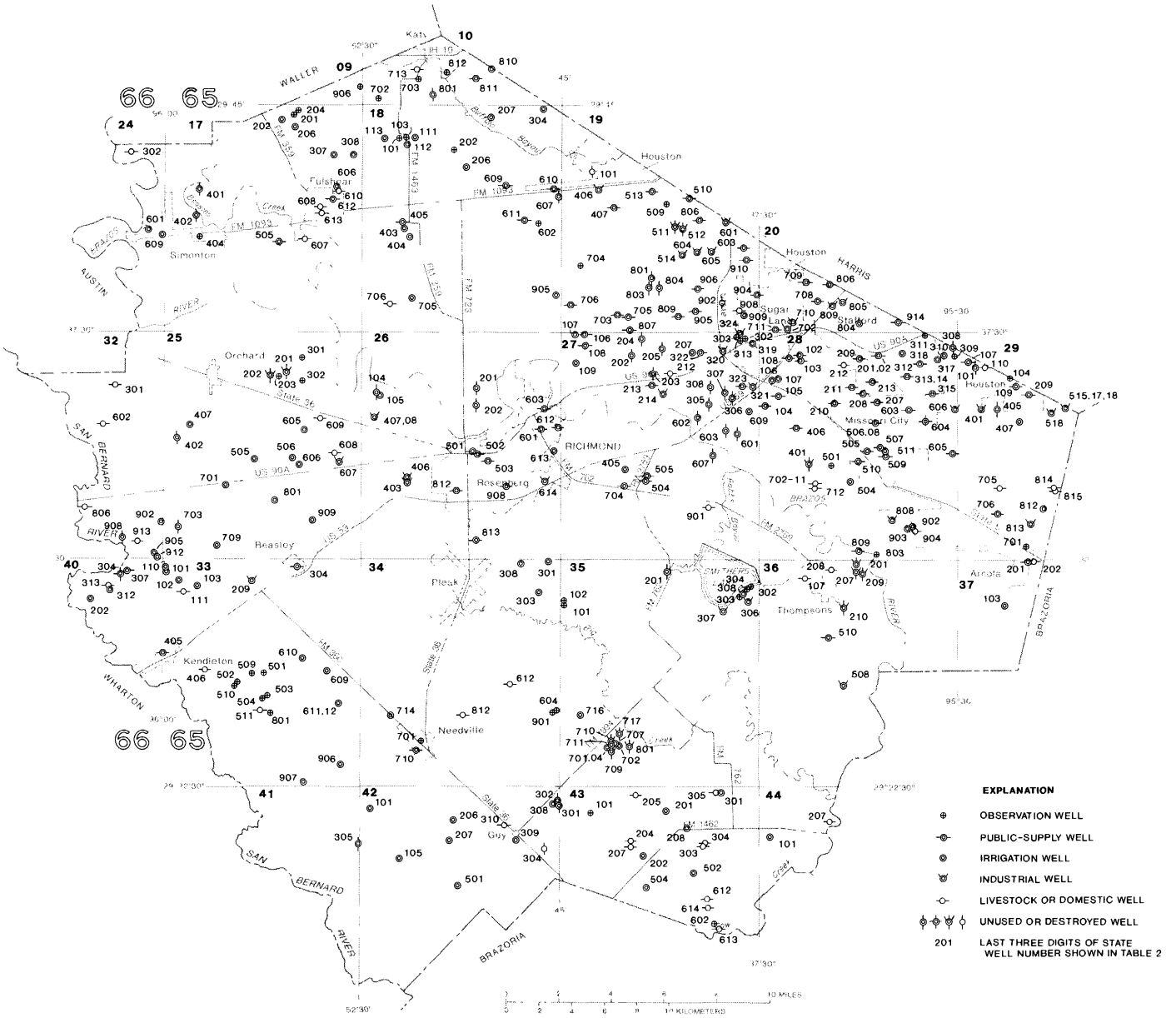

Figure 2.--Location of wells.

quadrangle is divided into 7-1/2-minute quadrangles which are given a 2-digit number from 01 to 64. These are the third and fourth digits of the well number. Each 7-1/2-minute quadrangle is divided into 2-1/2-minute quadrangles and given single-digit numbers from 1 to 9. This is the fifth digit of the well number. Finally, each well within a 2-1/2-minute quadrangle is given a two-digit number in the order in which it was inventoried, starting with 01. These are the last two digits of the well number. In addition to the 7-digit well number, a 2-letter prefix is used to identify the county. The prefix for Fort Bend County is JY. As an example, well JY-65-26-501 is located in Fort Bend County, in the 1-degree quadrangle 65, in the 7-1/2-minute quadrangle 26, in the 2-1/2-minute quadrangle 5, and was the first well inventoried, 01.

Previous Investigations

Wesselman (1972, p. 6) summarized the earlier ground-water investigations of Fort Bend County. Records of the large-capacity wells were presented by Naftel and others (1976), Ratzlaff and others (1983), and Williams and others (1986). These records of wells, drillers' logs, water-level measurements, and chemical analyses are incorporated in tables in the section "Supplemental Data" at the end of this report.

Several reports have described the ground-water hydrology of the Houston district (fig. 3) of which Fort Bend County is a part. The Houston district, as used in this report, includes all of Harris and Galveston Counties and parts of Chambers, Liberty, and Fort Bend Counties. Gabrysch (1972, 1980, and 1984), and Williams and Ranzau (1987) described the ground-water development of the district. Wood and Gabrysch (1965) constructed the first analog model of the ground-water system of the Houston district. Jorgensen (1975) updated the analog model. Meyer and Carr (1979) created a digital ground-water model of the Houston district. Gabrysch (1969 and 1982), and Gabrysch and Bonnet (1975) evaluated land-surface subsidence, Holzer and Gabrysch (1987) related fault creep to ground-water withdrawals, and Gabrysch (1977) presented a map of the area of recharge to the aquifers. A series of water-level change and water-level altitude maps have been prepared annually since 1977; the latest were prepared by Williams, Ranzau, and Lind (1987) and by Williams, Lind, and Coplin (1987).

Wilson (1967) reported on the ground-water resources of adjacent Austin and Waller Counties. Sandeen and Wesselman (1973) investigated the ground-water resources of Brazoria County. Loskot and others (1982) reported on ground-water resources of Wharton County.

Hydrogeology

The Chicot and Evangeline aquifers, as described by Wesselman (1972, p.

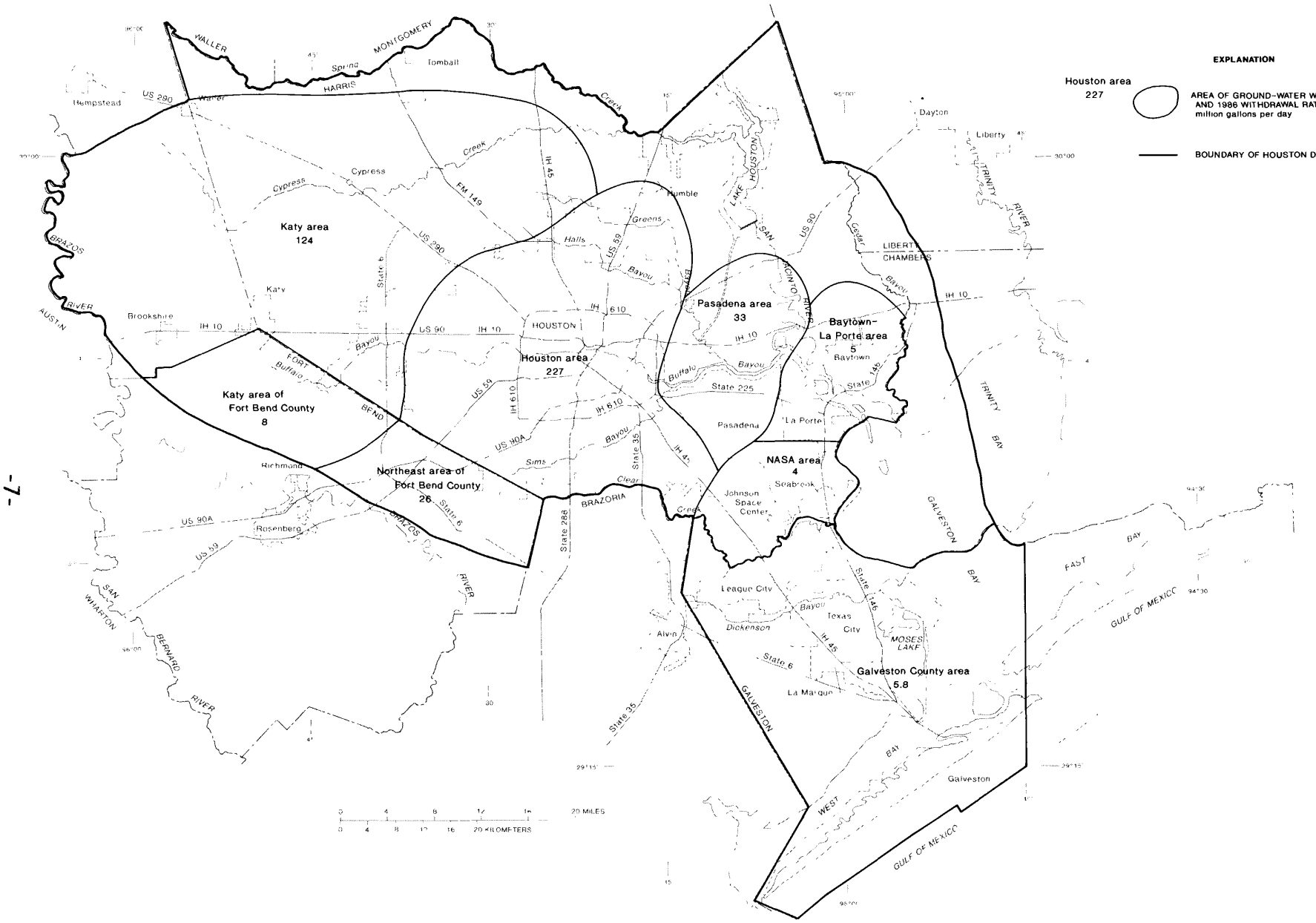

Figure 3.--Location of principal areas of ground-water withdrawals and average withdrawal rates in 1986 in the Houston district and northern Fort Bend County.

6-16) are the major freshwater aquifers in the county. The relation between these units and geologic units is shown in table 1 (Supplemental Data).

The Chicot aquifer consists of interbedded and discontinuous lenses of clay, silt, sand, and gravel from land surface to the top of the Evangeline aquifer. In the southeastern part of the county, the Chicot aquifer can be separated into an upper and lower unit by a clay layer, 200 to 300 ft below land surface (Wesselman, 1972, fig. 19). According to Jorgensen (1975, p. 10), in areas where the Chicot is undifferentiated, "Wells that are completed in the uppermost sand layers of the Chicot aquifer and that have water levels that are distinctly higher than water levels in wells completed in the underlying sand layers are considered to produce water from the upper unit."

Artesian conditions exist in most of the Chicot aquifer. Water-table conditions exist in the upper unit of the aquifer along major stream valleys where surficial sand deposits overlie shallow sands of the aquifer. In some outcrop areas, water-level declines have been great enough in some upper sands in the aquifer to cause a change from artesian to water-table conditions.

Because of their similar origin, the sediments of the Evangeline aquifer are much like the sediments of the Chicot aquifer, consisting of interbedded clay, silt, sand, and gravel. However, the Evangeline is distinguished from the Chicot by its finer grained sands, smaller sand to clay ratio, smaller hydraulic conductivity, and lower water levels.

Development of Ground Water

Since 1969, at least 90 large-capacity wells have been drilled in Fort Bend County (table 2 in Supplemental Data), more than doubling the number of large-capacity wells in the county. A large-capacity well for the purpose of this report is considered to be one with a discharge greater than 500 gal/min. Fifty-seven wells were drilled for public supply, 23 wells for irrigation, and 10 wells for industrial supply (2 wells drilled by the Jefferson Lake Sulphur Company have been unused since 1984).

In 1968, 12 large-capacity and three 10-inch diameter public-supply wells had been drilled to an average depth of 960 ft. Eight of the wells were located north of the Brazos River and seven south of the river. In 1987, 69 large-capacity public-supply wells were in use (average depth, 1,130 ft), 61 of which were located north of the Brazos River, primarily in the northeastern part of the county. Of the 57 wells drilled since 1969, 50 are in the northeastern part of the county and supply water to large housing subdivisions built and expanded since 1969. The average depth and yield of these 50 wells are 1,180 ft and 1,460 gal/min. The typical public-supply well drilled in the northeastern part is screened a total of 260 ft between 700 and 1,150 ft below

land surface. About 80 percent of the screened sections are in the Evangeline aquifer.

In 1968, 36 large-capacity rice-irrigation wells had been drilled in the county (Wesselman, 1972, table 4). In addition, Wesselman listed 32 rice-irrigation wells that had possible discharges greater than 500 gal/min. The average depth of these 68 wells was 640 ft; 43 of these wells (63 percent) were located north of the Brazos River, mostly in the Katy area. In 1987, 63 rice-irrigation wells (average depth 670 ft) were in use, but only 27 wells (43 percent) were located in the Katy area. Eighteen of the 23 large-capacity wells drilled for irrigation since 1969 are used for rice irrigation. The average depth and yield of the rice-irrigation wells are 735 ft and 3,320 gal/min. The typical irrigation well in use in 1987 has a slotted casing for a total of 500 ft between 240 ft and 750 ft below land surface. About 75 percent of the slotted casing is open to the Chicot aquifer.

Wesselman (1972, table 4) reported 18 large-capacity industrial wells in Fort Bend County. Twenty-three additional wells had probable discharges greater than 500 gal/min or were used continuously in sulfur or salt mining. The average depth of the 41 industrial wells was 520 ft. Twenty-two of these wells were used in sulfur mining, which has since stopped. In 1987, 17 large-capacity industrial wells, which had an average depth of 825 ft, were in use. The 10 industrial wells drilled since 1969 have an average depth of 725 ft and an average yield of 1,180 gal/min. The typical industrial well in use in 1987 is screened a total of 185 ft between 425 ft and 720 ft below land surface. About 75 percent of the screened section is open to the Chicot aquifer.

Only a few of the hundreds of small domestic wells in the county were inventoried. According to U.S. Bureau of the Census data, the number of households served by a domestic well (a well supplying water to less than 6 houses) in 1970 was 5,964, or 40 percent of the 15,009 households in the county (U.S. Bureau of the Census, 1972). Most of the households, 59 percent, were served by a public-supply system. One percent of the households had sources of water other than ground water (creeks, rivers, cisterns, etc). In 1980, the number of households served by a domestic well increased to 7,379, but this represented only 17 percent of the 43,092 households in the county (U.S. Bureau of the Census, 1983). The number of households served by a public-supply system increased to 83 percent.

Drillers' logs of some of the recently drilled wells are presented in table 3 in Supplemental Data. Water levels in selected wells are shown in table 4 in Supplemental Data.

GROUND-WATER WITHDRAWALS

Average daily withdrawal of ground water in Fort Bend County for public supply, irrigation, and industrial use is shown in figure 4. The amount of ground-water withdrawn for public supply and industrial use was obtained from the Texas Water Development Board (written commun., 1987). Estimates of withdrawal for irrigation use are based primarily on amount of water applied per acre for rice irrigation and on the acreage planted. The average amount of ground water applied per acre of rice was reported by Gabrysch (1980, 1982), Williams and Ranzau (1987), and J.F. Williams (U.S. Geological Survey, written commun., 1987). The number of acres of rice planted was obtained from the U.S. Department of Agriculture (written commun., 1987).

The total amount of ground water withdrawn for all uses in 1986 (53 Mgal/d) was about the same as in 1969 (56 Mgal/d). Until 1982, the principal use of ground water in the county was for irrigation, and the total withdrawals have paralleled the variations in irrigation withdrawals.

Use of ground water for public supply has steadily increased from about 4 Mgal/d in 1969 to 28 Mgal/d in 1986. Most of this increase has been caused by the urbanization of the northeastern part of the county. Withdrawals for public supply in this area were about 2 Mgal/d in 1969 and 22 Mgal/d in 1986. About 50 percent of the total public-supply withdrawal of 4 Mgal/d in 1969 came from the Evangeline aquifer. In 1986, about 80 percent of the total public-supply withdrawal of 28 Mgal/d came from the Evangeline aquifer.

Ground-water withdrawals for irrigation averaged 38 Mgal/d during 1969-82 and 1984, but only averaged 20 Mgal/d in 1983, 1985, and 1986. Withdrawal for irrigation is directly related to number of acres planted. Rice is the principal irrigated crop in Fort Bend County. In 1969, 1974, 1979, and 1984, about 90 percent of the irrigated land in the county was planted in rice (Texas Water Development Board, 1975, 1986). In these years, ground water was used to irrigate about 70 percent of the land planted in rice. The number of acres irrigated with surface water was obtained from the Brazos River Authority (oral commun., 1987) and the Richmond Canal Company (oral commun., 1987). The acreage planted in rice and irrigated with ground water since 1969 has ranged from 15,000 to 19,000 acres, with an average of 17,500 acres, excluding 1983, 1985, and 1986 when the acreage averaged 8,700 acres.

Water withdrawn for irrigation is principally from the Chicot aquifer. In 1969, about 90 percent of the 39 Mgal/d withdrawn for irrigation was from the Chicot; in 1986, about 85 percent of the 19 Mgal/d of water came from the Chicot aquifer. The remainder of the water was withdrawn from the Evangeline aquifer. Most of the water withdrawn is in the northwestern and southern parts of the county.

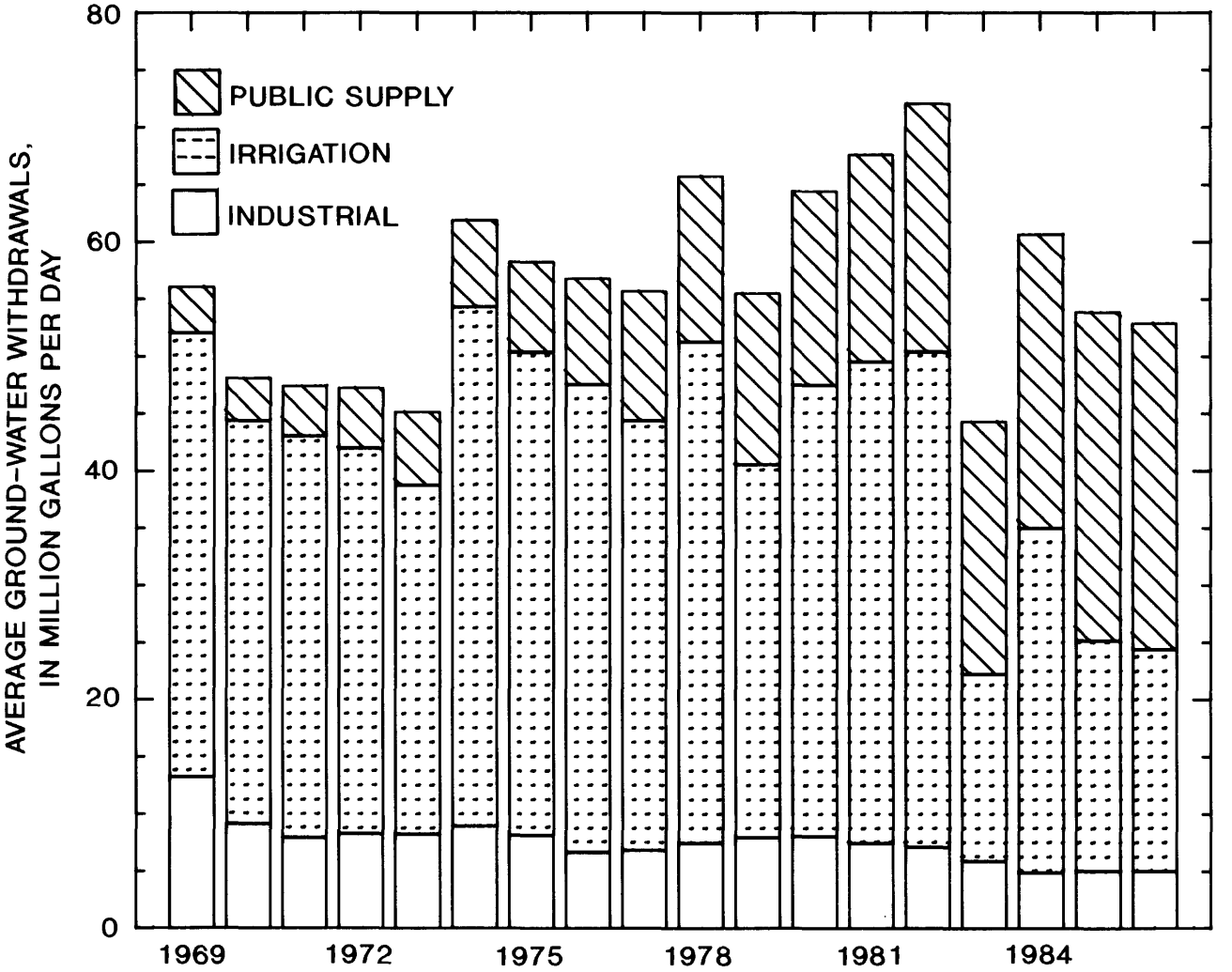

Figure 4.--Ground-water withdrawals in Fort Bend County, 1969-86.

Withdrawal for industrial use was about 13 Mgal/d in 1969 but only 5 Mgal/d in 1986. Three sulfur-mining operations used 10 Mgal/d of ground water in 1969. Two of the mines closed in 1970, and the other mine closed in 1984. In 1969, 90 percent of the water used for industrial purposes came from the Chicot aquifer. In 1986, 70 percent of the water came from the Chicot aquifer. Since 1969, surface water has supplied an estimated 85 percent of the water requirements for industrial purposes.

Water from the Evangeline aquifer accounted for more of the total withdrawals in 1986 than in 1969 because of the increase in public-supply withdrawal from the Evangeline aquifer and the decrease in industrial and irrigation withdrawal from the Chicot aquifer. In 1969, about 15 percent of the 56 Mgal/d of ground-water withdrawn in the county came from the Evangeline aquifer. In 1986, about 50 percent of the 53 Mgal/d withdrawn was from the Evangeline aquifer.

Ground-water withdrawals in the northeast and Katy areas of Fort Bend County and the adjacent Katy and Houston areas of the Houston district are shown in figure 5. Historically, variations in withdrawals in the Katy areas, have paralleled each other, whereas the withdrawal pattern has differed in the Houston and northeast areas. From the early 1960's to 1986, ground-water withdrawals in the Katy area of the Houston district averaged about 140 Mgal/d. In the Katy area of Fort Bend County, withdrawals averaged about 20 Mgal/d during the same period, except in 1983, 1985, and 1986, when withdrawals decreased to an average of about 8 Mgal/d because of decreases in rice acreage planting. Increases in public-supply withdrawals in the Katy area of the Houston district have offset the more than 50-percent decrease in irrigation withdrawals in those years. Public-supply and industrial withdrawals have made up less than 5 percent of the withdrawals in the Katy area of Fort Bend County.

In the Houston area of the Houston district, ground-water withdrawals nearly doubled from about 100 Mgal/d in the early 1960's to about 195 Mgal/d in the early 1970's. Withdrawals increased from about 185 Mgal/d in 1975 to about 260 Mgal/d in 1982, but decreased to about 230 Mgal in 1986. About 95 percent of the withdrawals have been for public supply. Withdrawals in the northeastern part of Fort Bend County have steadily increased from about 2 Mgal/d in the early 1960's to about 26 Mgal/d in 1986, resulting primarily from increases in public-supply withdrawals.

WATER-LEVEL CHANGES

The withdrawal of water from an artesian aquifer causes an immediate lowering of the potentiometric surface in the vicinity of the well--a cone of depression. The potentiometric surfaces of both the Chicot and Evangeline

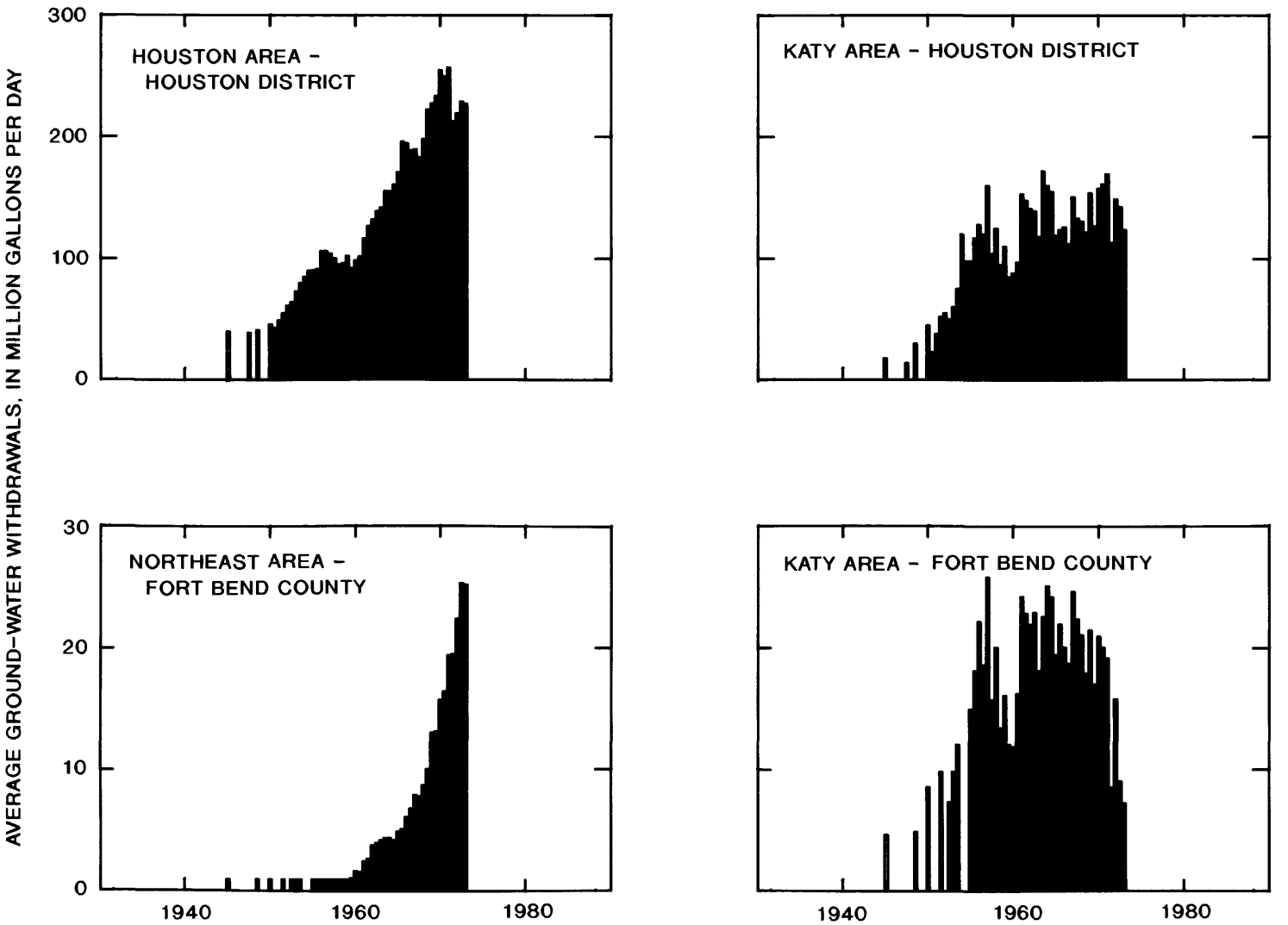

Figure 5.--Ground-water withdrawals in the Houston and Katy areas of the Houston district and in the northeast area and Katy area of Fort Bend County, 1930-86.

aquifers were estimated to have been about 15 to 35 ft above land surface and nearly flat before the large-scale development of ground water began in the Houston district in about 1900 (Jorgensen, 1981, p. 421). The combined effect of the withdrawal of water from the hundreds of wells in the Houston district east of Fort Bend County has been the formation of regional cones of depression in the potentiometric surfaces of the Chicot and Evangeline aquifers. Although the depressions are centered around areas of greatest withdrawal, areas without substantial withdrawal are affected by this regional lowering of water levels. Wesselman (1972, p. 34-35), and Wood and others (1963, p. 78) attributed much of the decline in water levels in eastern Fort Bend County to withdrawals in the Houston district.

Water-Level Changes in the Houston District

Since 1969, substantial changes in ground-water withdrawals and water levels have been evident in the Houston district. Withdrawals in the eastern and southern parts of the district (Pasadena, Baytown-La Porte, NASA, and Galveston County) have declined sharply beginning in 1977 because of the increased substitution of surface water for ground water; the combined withdrawals had decreased 75 percent (132 Mgal/d) by 1986. As a result, water levels in the eastern and southern parts of the Houston district have risen as much as 120 ft in wells screened in the Evangeline aquifer and as much as 140 ft in wells screened in the Chicot aquifer between 1977 and 1985 (Williams and Ranzau, 1987, p. 18-20). Ground-water withdrawals in the Katy and Houston areas of the district, which are adjacent to and include parts of Fort Bend County, increased 35 percent (111 Mgal/d) from 1969 to 1982, then decreased 18 percent (75 Mgal/d) from 1982 to 1986. This withdrawal pattern is similar to that found in Fort Bend County. Water-level declines of as much as 80 ft in wells screened in the Chicot aquifer and as much as 140 ft in wells screened in the Evangeline aquifer have been recorded in the western part of the district (Katy and Houston areas) between 1977 and 1985 (Williams and Ranzau, 1987, p. 18-20). The lowest potentiometric surfaces of the Chicot and Evangeline aquifers, which historically have been east of downtown Houston, are now located about 8 mi west of downtown Houston, towards Fort Bend County.

Water-Level Changes in Fort Bend County

Wesselman (1972) reported the results of water-level measurements made during 1968-69 in wells screened in the upper and lower units of the Chicot aquifer and in the Evangeline aquifer. Water levels in wells screened in these aquifers were measured during 1986-87 as part of this study to determine what changes had occurred since 1968-69. Water levels in observation wells measured between 1969 and 1987 are presented in table 4. The approximate altitudes of water levels in wells screened in the lower unit of the Chicot aquifer and in the Evangeline aquifer in 1987 are shown in figures 6 and 7,

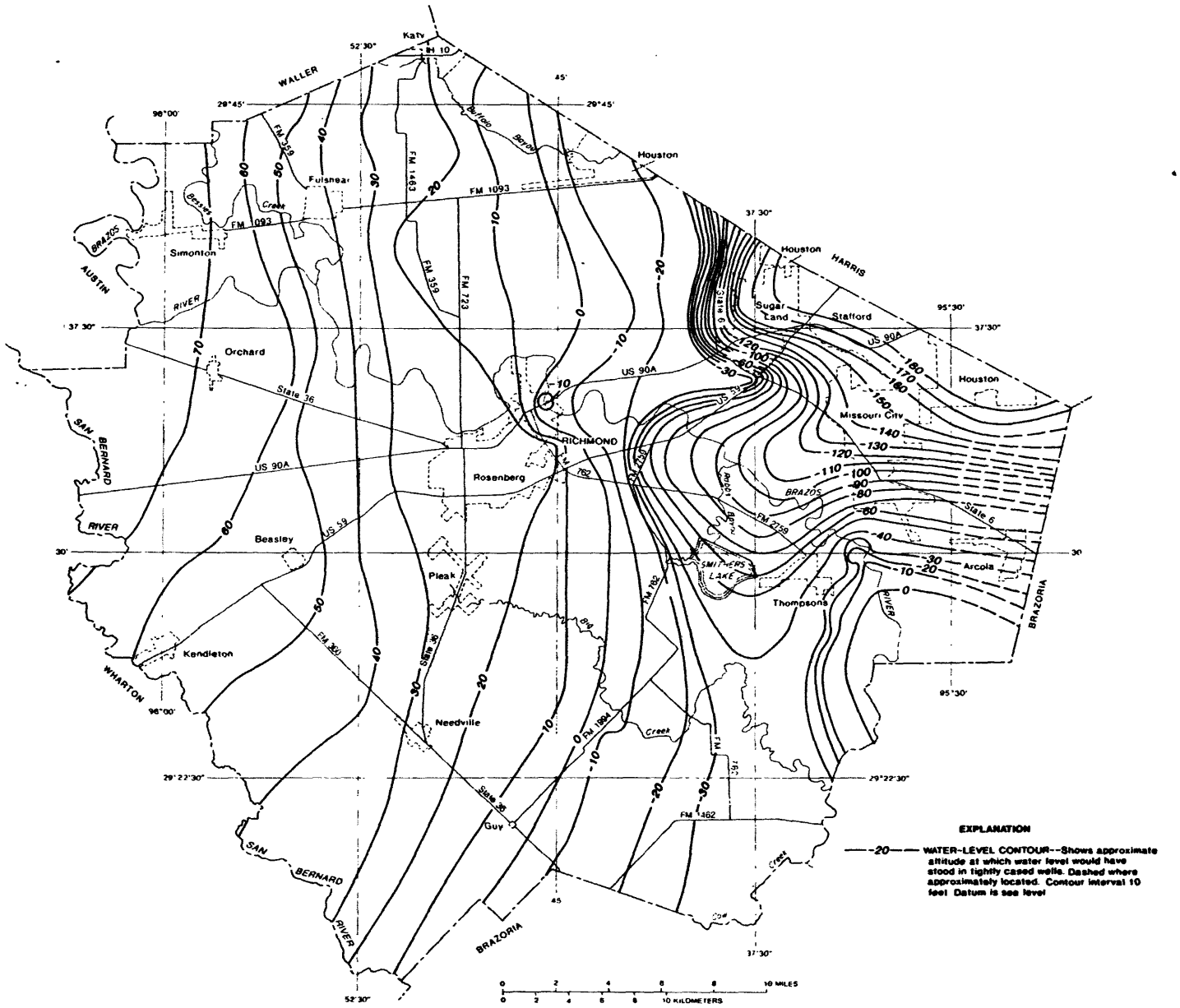

Figure 6.--Approximate altitude of water levels in wells screened in the lower unit of the Chicot aquifer, spring 1987.

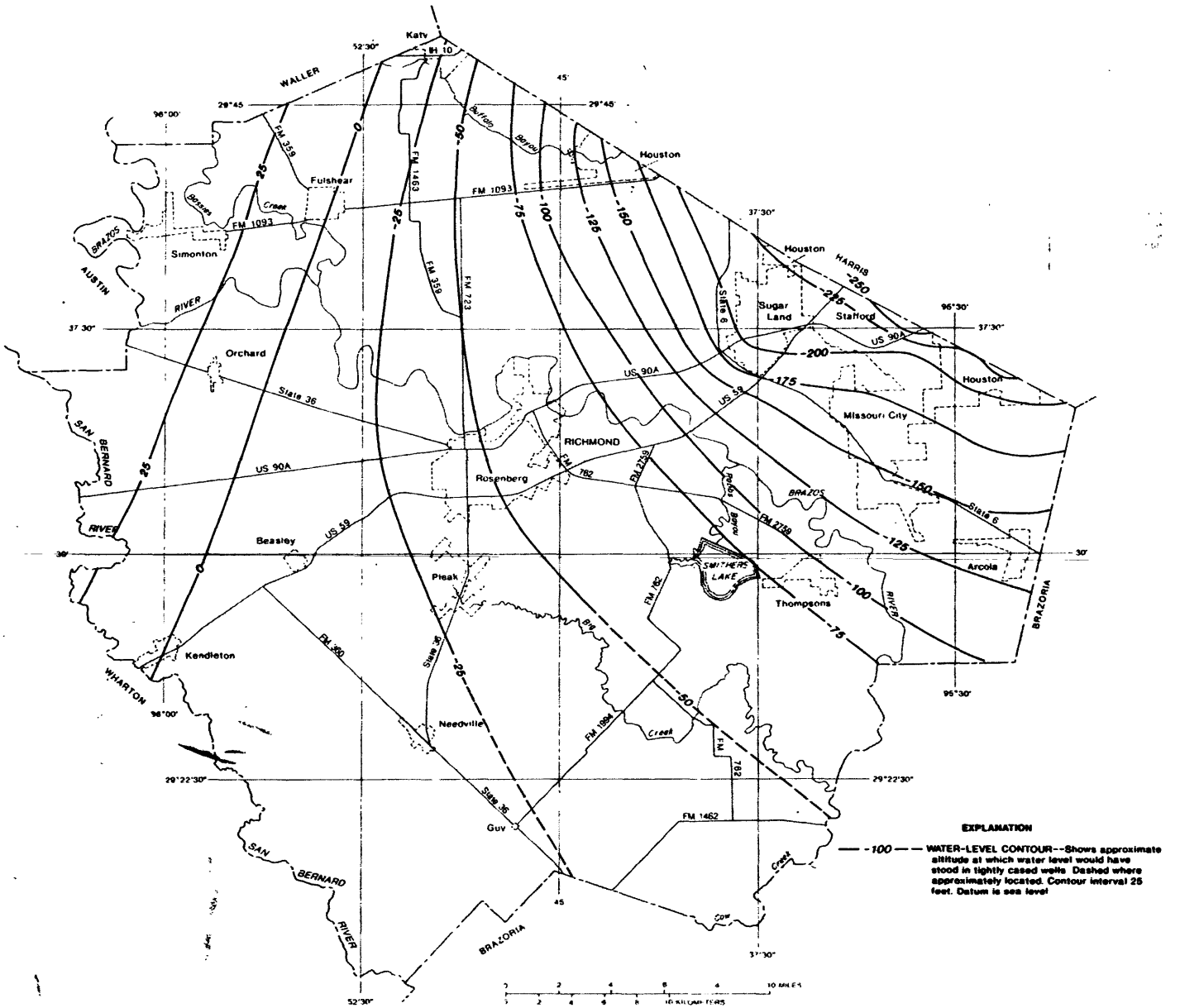

Figure 7.--Approximate altitude of water levels in wells screened in the Evangeline aquifer, spring 1987.

respectively. Water levels shown to be estimated on the altitude maps were based on measurements made in 1986.

Upper Unit of the Chicot Aquifer

Measurements of water levels in 81 wells were used to construct the 1968-69 water-level altitude map for the upper unit of the Chicot aquifer (Wesselman, 1972, fig. 24). Water levels were measured in 21 of these wells and in 14 additional wells in 1986 or 1987. Comparison of the water levels indicates that there has been little change (generally rises or declines of less than 4 ft). In well JY-65-35-101 (86 ft deep), water levels had a net rise of 0.65 ft between 1969 and 1986 (table 4). In the adjacent well, JY-65-35-102 (180 ft deep), the water level declined about 4 ft between 1969 and 1987. Between 1947 and 1986, water levels in each well declined about 17 ft, most of which (about 13 ft) occurred before 1962. Wesselman (1972, p. 43) attributed much of the decline in water levels in the upper unit of the Chicot aquifer to leakage into the lower unit because there is little withdrawal from the upper unit, except in areas of irrigation.

Lower Unit of the Chicot Aquifer

Between 1947 and 1987, the estimated water-level declines in wells screened in the lower unit of the Chicot aquifer ranged from less than 10 ft along the western border of the county to more than 200 ft in the northeastern part of the county. Between 1968-69 and 1987, water-level declines (fig. 8) ranged from less than 10 ft in the western part of the county to about 100 ft in the northeastern corner of the county. In the southwestern part of the county, the decline was less than 20 ft. The rate of decline in individual wells ranged from less than 0.6 ft/yr to 5 ft/yr.

The localized 50-ft rise in water levels east of Needville is the result of the closing of a sulfur-mining plant in 1984. The plant withdrew an average of 3.8 Mgal/d from 1969 to 1982.

The Geological Survey has measured or maintained records of water-levels in 31 wells throughout the county that are screened in the lower unit of the Chicot aquifer. In 25 of the 27 wells outside of the northeast area of the county, water levels generally declined from 1969 to 1982 and have since risen a few feet or remained stable, corresponding to the overall reduction in ground-water withdrawals after 1982 (fig. 4). In the remaining two wells and in the four wells in the northeast area, water levels have continuously declined after 1969. Local ground-water withdrawals in the northeastern part have generally been increasing since 1969.

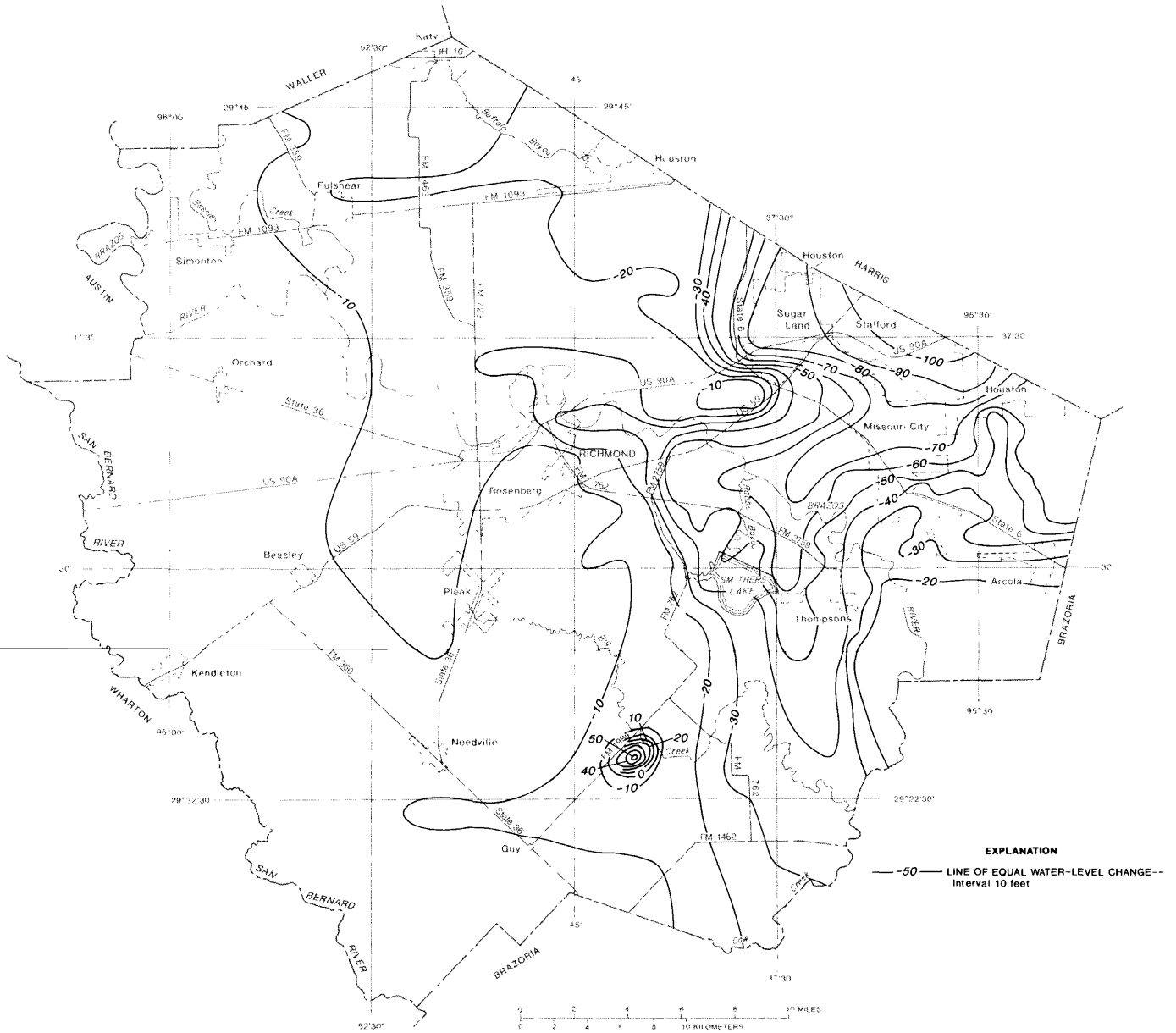

Figure 8.--Approximate change in water levels in wells screened in the lower unit of the Chicot aquifer, 1968-69 to 1987.

The changes in water levels that typify most of the observation wells in the county are shown in figure 9. The overall rate of decline in both wells from 1969 to 1987 is about 0.5 ft/yr, although between 1969 and 1983, the rate of decline was about 1.0 ft/yr. Between 1983 and 1987, water levels have risen 4 ft in the Katy area irrigation well JY-65-17-201 and 6 ft in the irrigation well JY-65-33-504, located in the southwestern part of the county.

Water levels in selected wells located in the northeastern part of the county are illustrated in figure 10. Water levels in well JY-65-29-701 declined at a rate of 1.8 ft/yr from 1969 to 1986. Water levels in well JY-65-27-303 declined at a rate of 4.7 ft/yr from 1969 to 1986.

Evangeline Aquifer

Between 1947 and 1987, estimated water-level declines ranged from less than 75 ft in the southwestern part to 225 ft in the northeastern part of the county. In much of the northeastern one-quarter of the county the declines were more than 100 ft. Between 1968-69 and 1987, water-level declines in wells in the Evangeline aquifer (fig. 11) ranged from less than 25 ft in the northwestern part to 125 ft in the northeastern part of the county. The rate of decline in individual wells ranged from less than 1.5 ft/yr to 7.0 ft/yr. In the southwestern one-quarter of the county, the decline in water levels was less than 50 ft.

The Geological Survey has measured water levels in nine wells that were completed in the Evangeline aquifer. The wells are located along the Fort Bend-Harris County line from Katy to Missouri City . Water levels of six of the wells are shown in figure 12. Water-level records from only three of the wells span most of the years 1969 to 1987 (fig. 12).

Near Katy, water levels declined 1.0 ft/yr in well JY-65-17-404 between 1970-87, and 0.6 ft/yr in well JY-65-10-812 between 1983-87. In the northeastern part of the county, water levels declined 5.6 ft/yr in well JY-65-27-302 between 1969-86 and 8.2 ft/yr in well JY-65-28-311 between 1974-87. The less than 5 feet of water-level decline in wells JY-65-19-509, JY-65-28-309, and JY-65-28-311 (shown in figure 12), and in wells JY-65-28-313 and JY-65-28-508 (not shown in figure 12) between 1985-87 may indicate a recent stabilization of the water levels in the northeastern part of the county.

LAND-SURFACE SUBSIDENCE

Land-surface subsidence has been studied extensively in the Houston area. As part of these studies, subsidence maps were prepared that included Fort Bend County (Gabrysch and Bonnet, 1975, figs. 8-10, and Gabrysch, 1982, figs. 14-16). These maps were based on differences in altitudes of bench marks

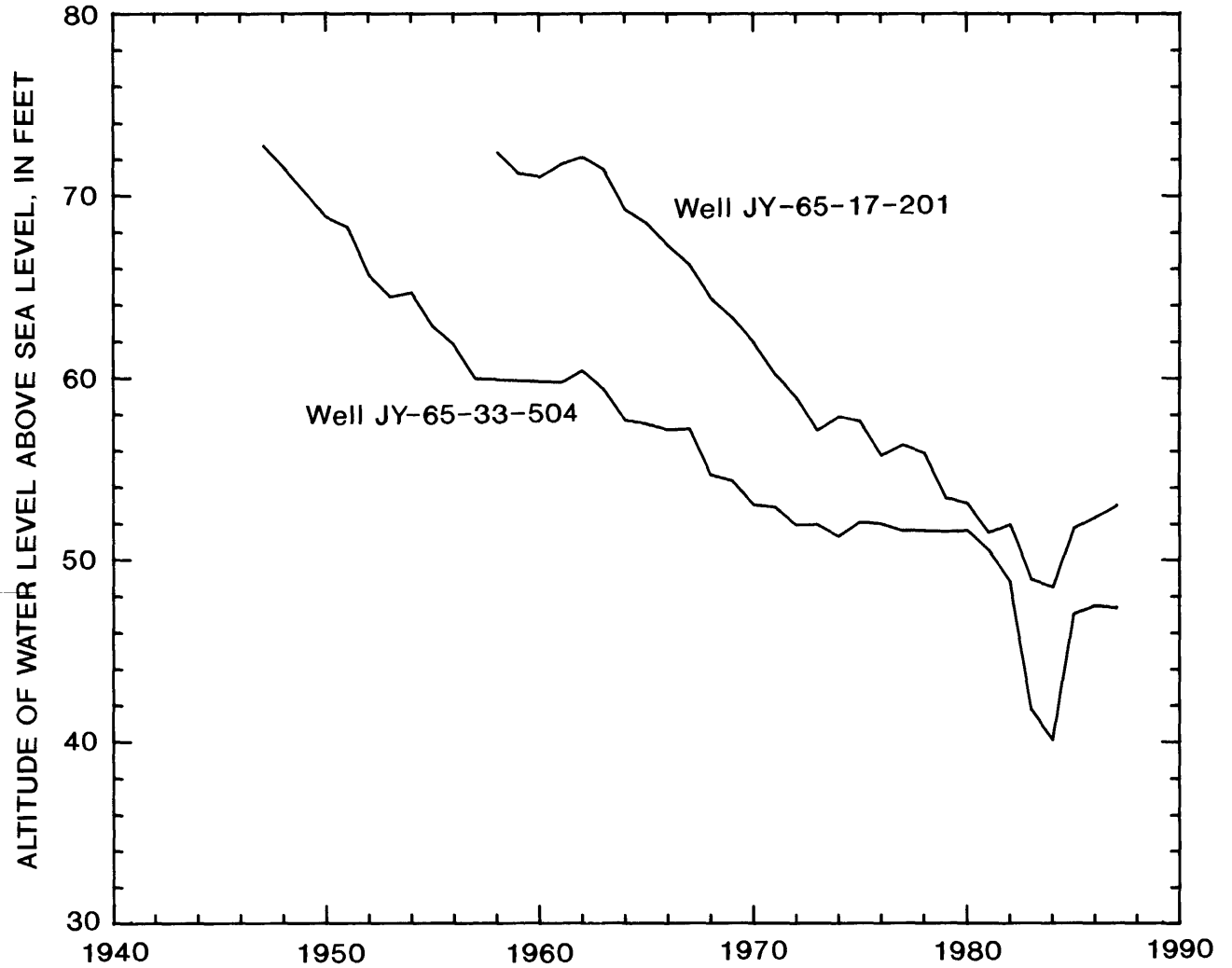

Figure 9.--Hydrographs showing water levels in wells screened in the lower unit of the Chicot aquifer in the Katy area and southwestern part of Fort Bend County.

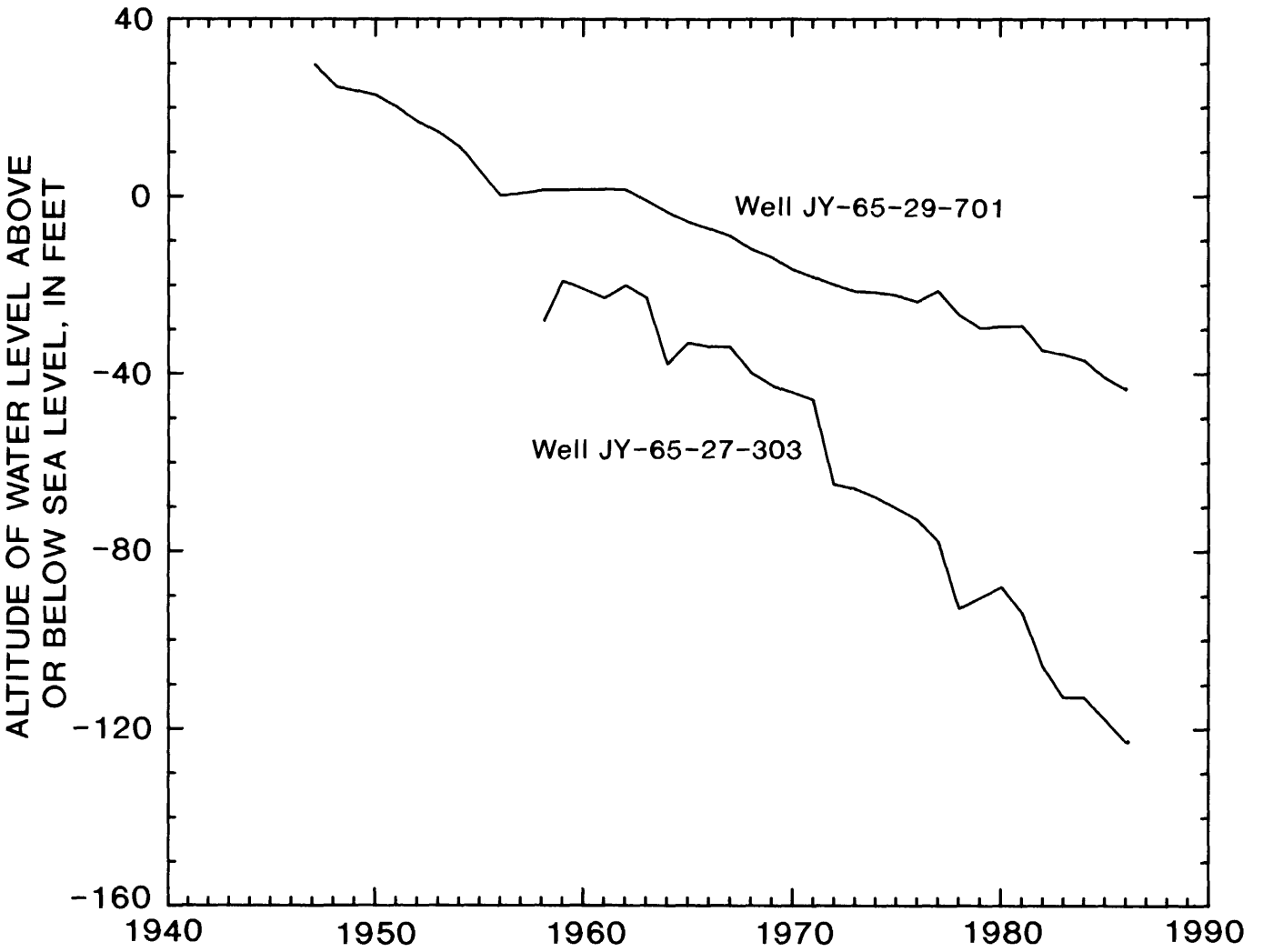

Figure 10.--Hydrographs showing water levels in wells screened in the lower unit of the Chicot aquifer in the northeastern part of Fort Bend County.

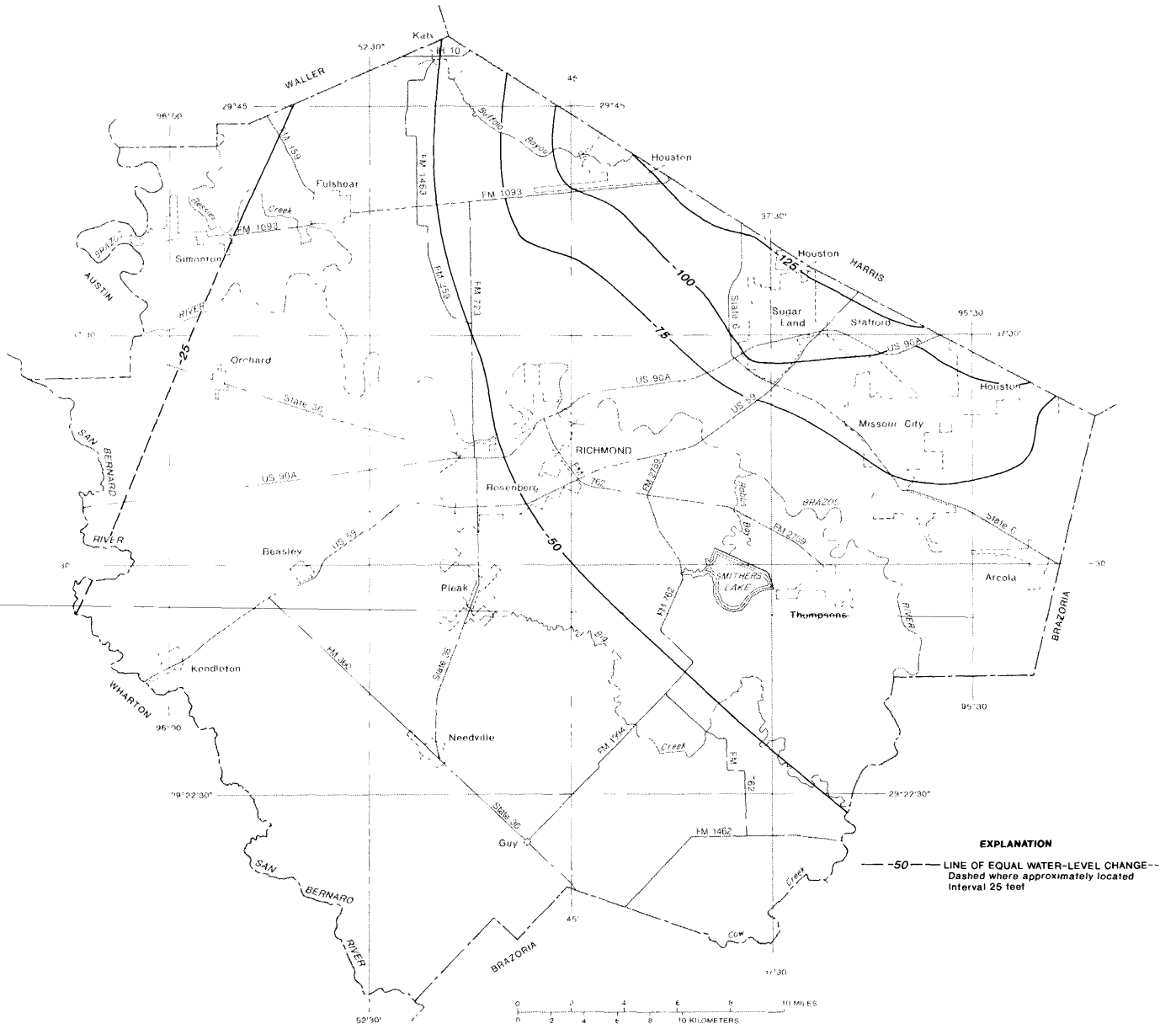

Figure 11.--Approximate change in water levels in wells screened in the Evangeline aquifer, 1968-69 to 1987.

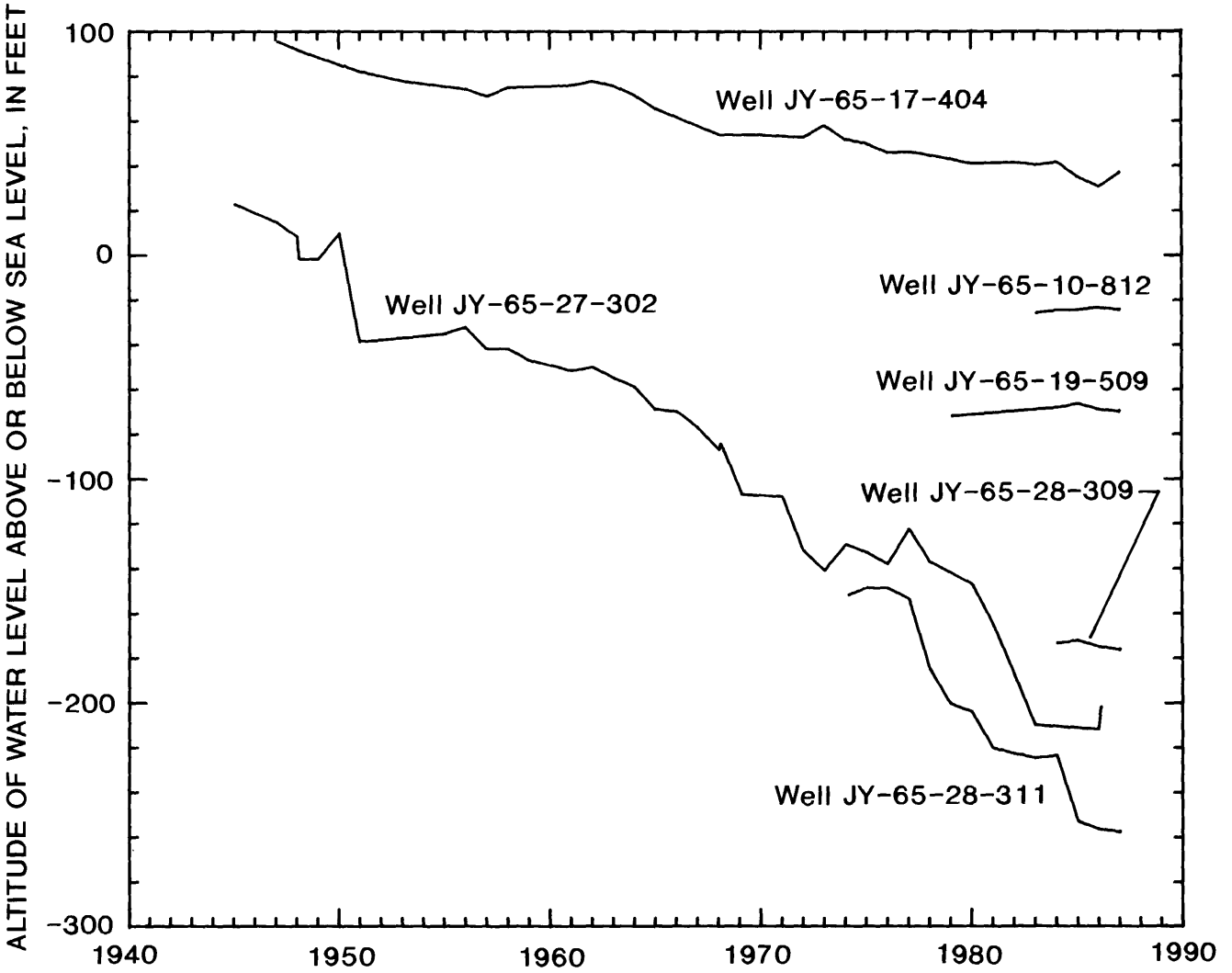

Figure 12.--Hydrographs showing water levels in wells screened in the Evangeline aquifer.

measured by the National Geodetic Survey. Altitudes of bench marks in most of Fort Bend County were determined in 1942-43; altitudes in the eastern part of Fort Bend County were redetermined in 1973 and 1978. Subsidence for the periods between these surveys was computed for the eastern part of the county. Subsidence in Fort Bend County between 1906 and 1943 has been estimated from subsidence measured in Harris and Galveston Counties. Between 1906 and 1978, the land surface in about 65 percent of Fort Bend County (580 mi^2) subsided more than 0.5 ft; about 5 percent of the county (40 mi^2) subsided more than 2 ft. The maximum measured subsidence between 1943 and 1978 was 2.264 ft at bench mark K805, located 1 mi northwest of Missouri City. From 1973 to 1978, the measured subsidence ranged from 0.014 ft at bench mark V1212, 6 mi south of Katy, to 0.486 ft at bench mark K805.

Land-surface subsidence is caused by the compaction of clay sediments. Gabrysch (1969, p. 44) stated: "Withdrawal of water from the artesian aquifers results in an immediate decrease in hydraulic pressure, which partially supports the weight of the overburden. With reduction in pressure, an additional load is transferred to the skeleton of the aquifers, and a pressure difference between the sands and clays causes water to move from the clays to the sands. Most of this process of sediment compaction takes place in the clays." Land-surface subsidence is directly dependent on the thickness of clay beds within the aquifers and the decline in water pressure in the sands adjacent to the clay beds.

Thickness of Clay

Gabrysch (1969, fig. 11) related the thickness of clay, in percent, to subsidence in the Houston district. Among the factors affecting this relation are the clay mineralogy, the thickness of individual clay beds, and the compressibility of the clays. Of the clay minerals, montmorillonite is the most compressible. The most common clay assemblage in the Houston district is montmorillonite, illite, and kaolinite (Gabrysch, 1969, p. 42). The time lag between an increase in stress (water-level decline) and the resulting compaction of a clay bed is directly related to thickness of the individual bed. In general, the thickness of individual clay beds increases with depth in the Houston district.

The compressibility of clays is thought to be inversely related to its age and depth of burial (Gabrysch, 1982, p. 56). Analysis of data from compaction monitors installed at various depths in southern Harris County indicated that a large part (55 percent) of the subsidence in this area resulted from compaction of clays in the younger and shallower Chicot aquifer (Gabrysch and Bonnet, 1975, p. 15). The depth to which compaction occurs is unknown. It is assumed (Gabrysch, 1982, p. 56) that because of the withdrawal of water, all the compaction occurs above the base of the Evangeline aquifer.

In northern Harris County, compaction of clays within the Evangeline is thought to be more important, caused, in part, by the decreased amount of clay in the Chicot aquifer (Jorgensen, 1981, p. 418).

For this study, the approximate clay thicknesses in the Chicot aquifer (upper and lower units combined) and Evangeline aquifer were determined from electric logs. The clay thicknesses are for the total thickness of each aquifer. The distribution of the locations of the electric logs is biased towards the eight salt domes in the county, where oil and gas exploration has occurred. The thickness of clay in the Chicot aquifer increases from less than 150 ft in the northwestern part of the county to more than 350 ft in the eastern part of the county (fig. 13). The increase is caused by increased thickness of the aquifer along the regional dip towards the coast and a corresponding increase in the percentage of clay. The clay increases from an average of about 25 percent of the aquifer in the northwestern part of the county to an average of about 45 percent in the eastern part.

The thickness of clay in the Evangeline aquifer (fig. 14) increases from about 700 ft in the northwestern part of the county to about 1,100 ft in the eastern part. The thickness of the aquifer also increases in the same direction from about 1,300 ft to more than 2,000 ft, but the percentage of clay remains relatively constant at about 55 percent.

The total thickness of clay in both the Chicot and Evangeline aquifers (fig. 15) increases from an average of about 850 ft in the northwestern part of the county to an average of about 1,500 ft in the eastern part. The percentage of total clay thickness varies slightly, with a mean of about 50 percent.

Relation Between Thickness of Clay, Water-Level Declines, and Subsidence

The relative susceptibility of areas with different amounts of clay and rates of water-level decline to clay compaction can be made by comparison of specific-unit compaction. Specific-unit compaction is defined as the compaction of deposits per unit of clay thickness per unit of increase in applied stress during a specified time.

Gabrysch (1982, table 1) calculated smaller values of specific-unit compaction for 1906-43 than for 1943-64, 1964-73, and 1973-78. His explanation was that the aquifers had been subjected to a natural stress in geologic time (preconsolidation stress) before withdrawal of ground water had begun. He further speculated that the higher (by almost one order of magnitude) specific-unit compaction values determined for the later leveling periods were caused by preconsolidation stress that had subsequently been exceeded, and that greater amounts of subsidence per unit of water-level

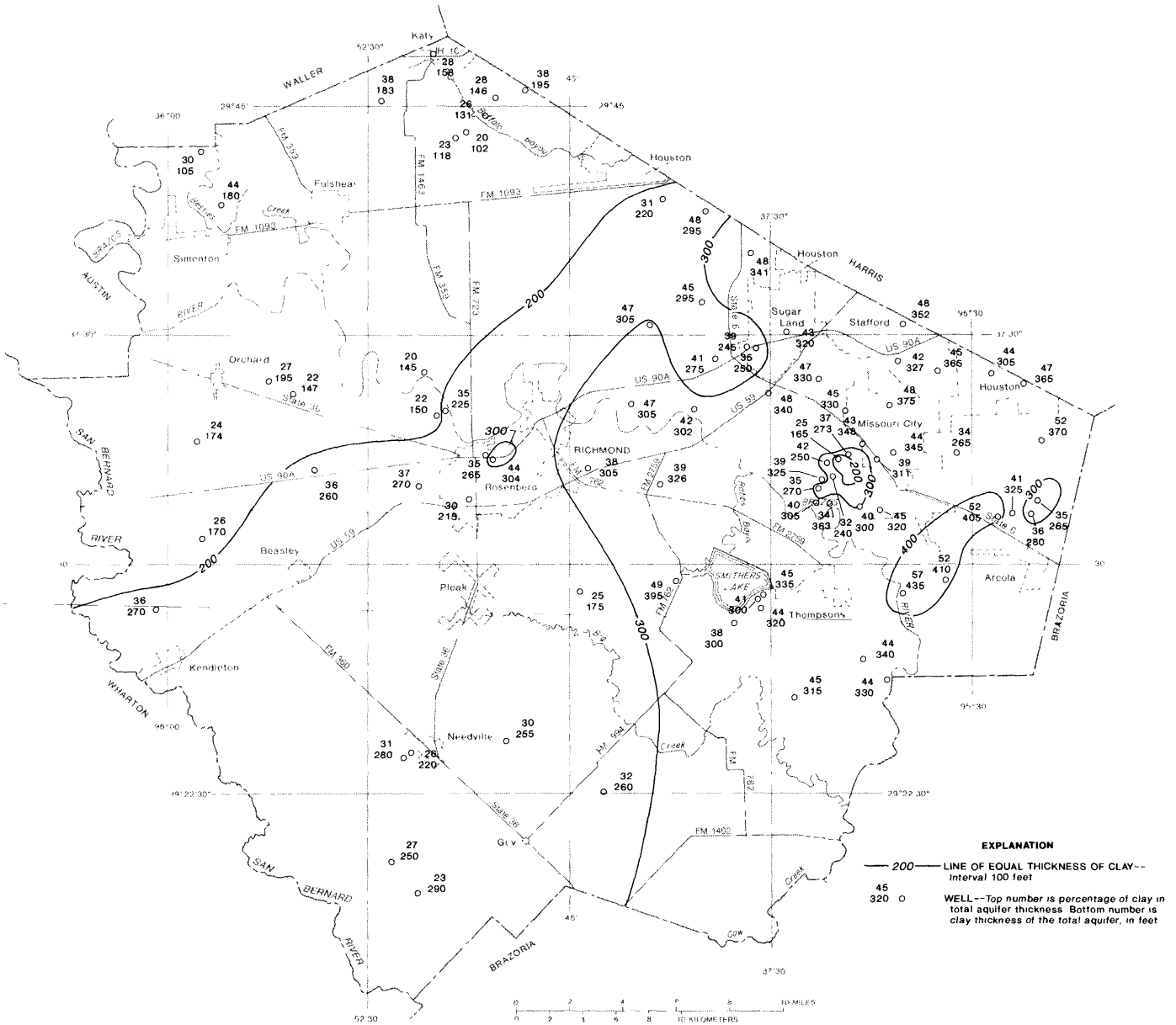

Figure 13.--Approximate cumulative thickness of clay beds in the Chicot aquifer.

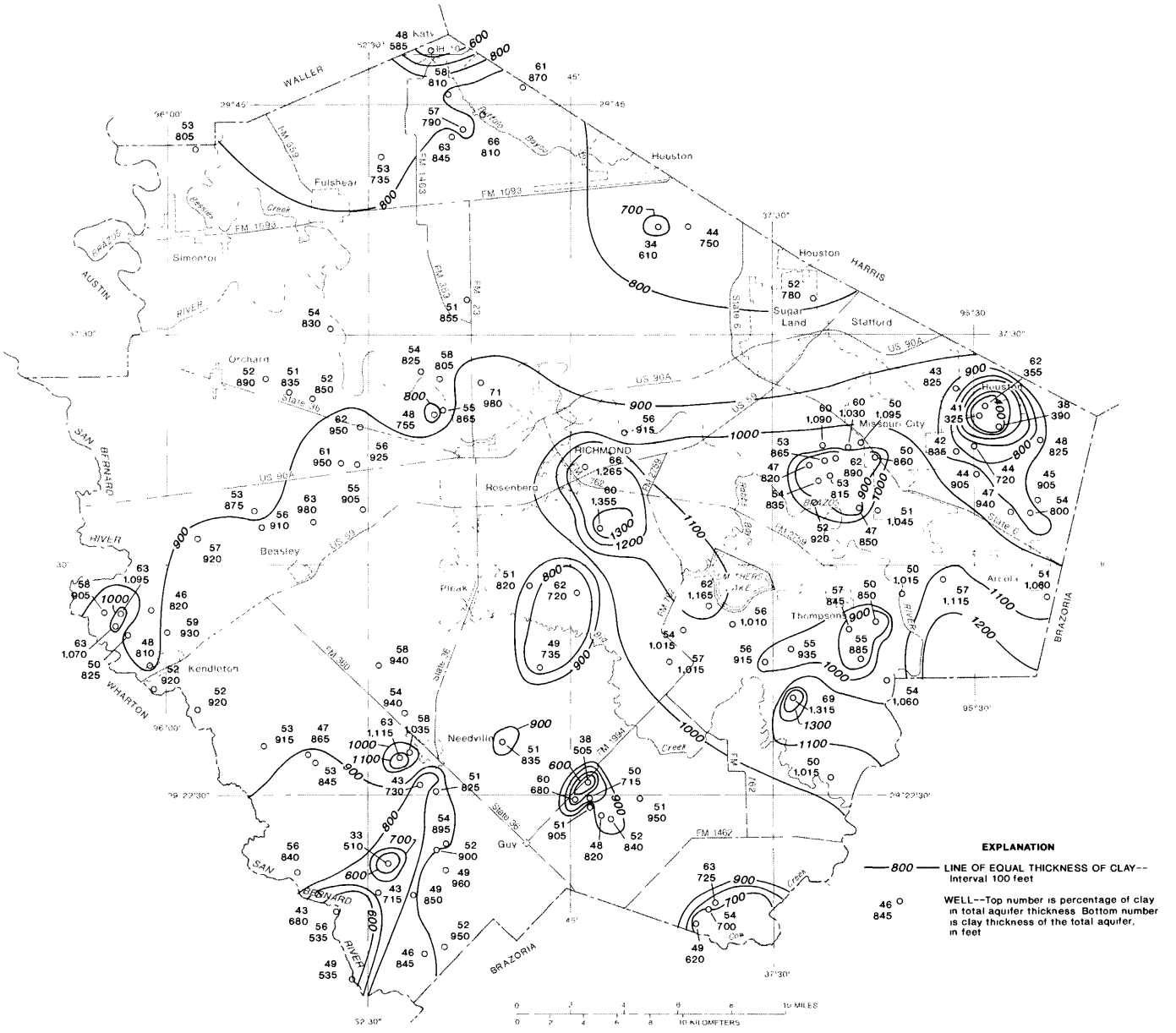

Figure 14.--Approximate cumulative thickness of clay beds in the Evangeline aquifer.

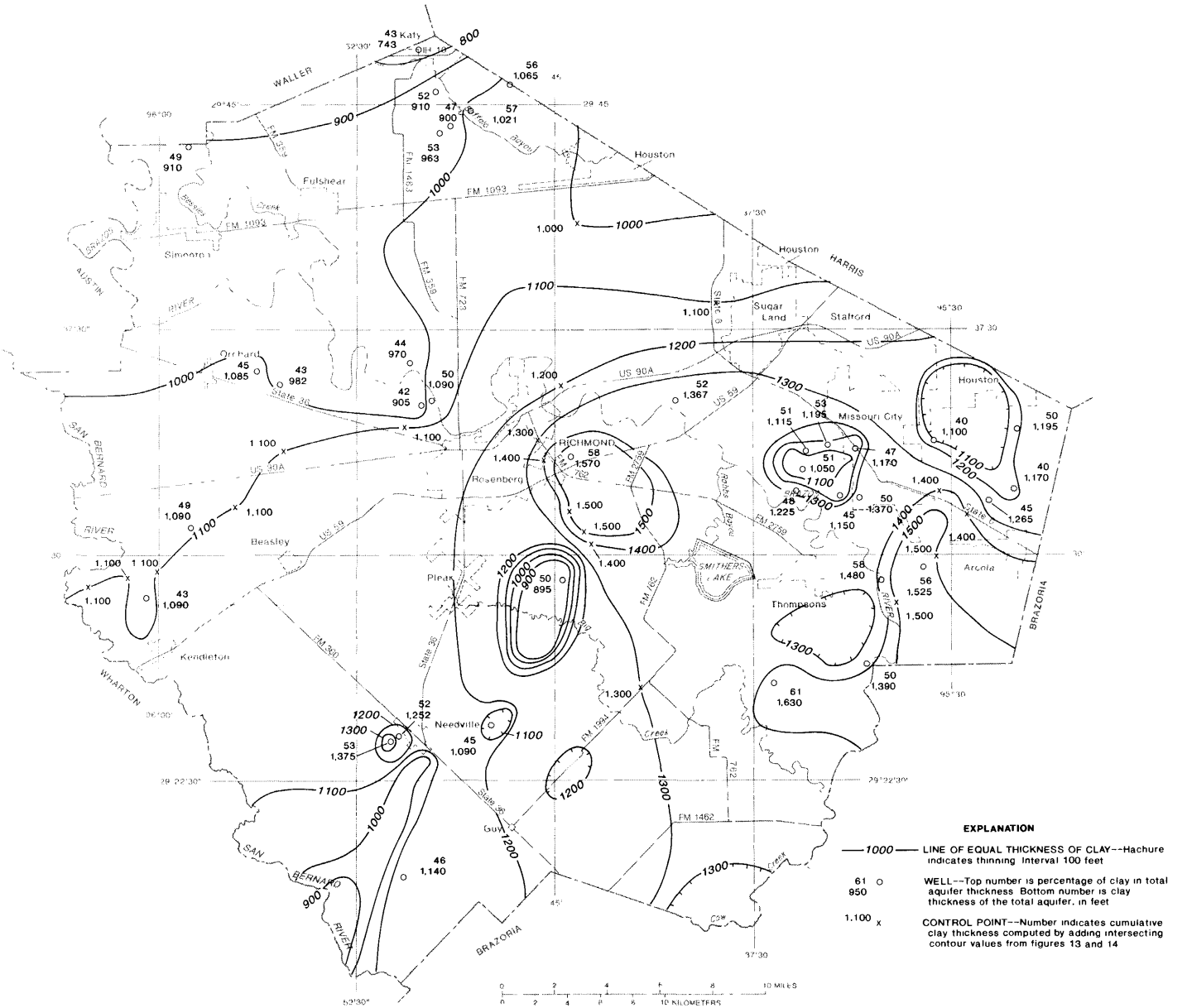

Figure 15.--Approximate cumulative thickness of clay beds in the Chicot and Evangeline aquifers.

decline could be expected in the future. Most clay compaction that occurs after the preconsolidation stress is exceeded is permanent. The specific-unit compaction values for 1906-78 indicated that the younger clays nearer the coast were more susceptible to compaction than the older, more inland clays (Gabrysch, 1982, p. 65).

Locations of the compaction monitor sites and calculated values of specific-unit compaction are shown in figure 16. Much of Fort Bend County is as equidistant from the coast as the Addicks, Houston-Northeast, Houston-Southwest, and Lake Houston compaction monitor sites, and the geologic setting is equivalent. The values of specific-unit compaction for Fort Bend County were calculated using measured subsidence, estimated water-level declines, and estimated total thickness of clay in the Chicot and the Evangeline aquifers (fig. 15). An average water-level decline was determined by dividing the estimated water-level decline by 1.33, the ratio of maximum to average water-level decline reported by Gabrysch (1982, p. 64, table 1). The values were averaged for several bench marks in a particular area. Specific-unit compaction values calculated for the Katy area using the average water-level decline are presented in table 5 (Supplemental Data).

For 1943-73, the specific-unit compaction values along the Fort Bend-Harris County line were similar, averaging 1.2×10^{-5} ft^{-1}, which indicates a similarity in the compressibility of the clays along this border. These values also are similar to the value at the inland Addicks compaction monitor site (1.2×10^{-5} ft^{-1} shown in figure 16). In contrast, the specific-unit compaction values for 1943-73 averaged about 5.1×10^{-5} ft^{-1} at the sites nearer the coast (Baytown, Clear Lake, Moses Lake, Pasadena, and Seabrook). For 1906-78, the specific-unit compaction value at Katy (1.2×10^{-5} ft^{-1} shown in table 5) is comparable to the average value (1.2×10^{-5} ft^{-1}) of the inland sites at Addicks, Houston-Northeast, Houston-Southwest, and Lake Houston. The specific-unit compaction values of the five monitor sites nearer the coast averaged 3.1×10^{-5} ft^{-1} during 1906-78. Comparison of the specific-unit compaction values along the northeast boundary of Fort Bend County with the more inland compaction monitor sites of the Houston district indicates a similarity in their compressibility, which is less than that of the sites nearer the coast.

In the central part of Fort Bend County, the specific-unit compaction for 1943-73 averaged about 6.7×10^{-6} ft^{-1}. The smaller values may indicate that the stress caused by water-level declines was less than the preconsolidation stress of the clays during all or most of the period. The compaction of the clays is less for stresses (water-level declines) smaller than the preconsolidation stress. The two benchmarks with relatively large specific-unit compaction (1.5×10^{-5} ft^{-1}) are located over the Thompson oil and gas field.

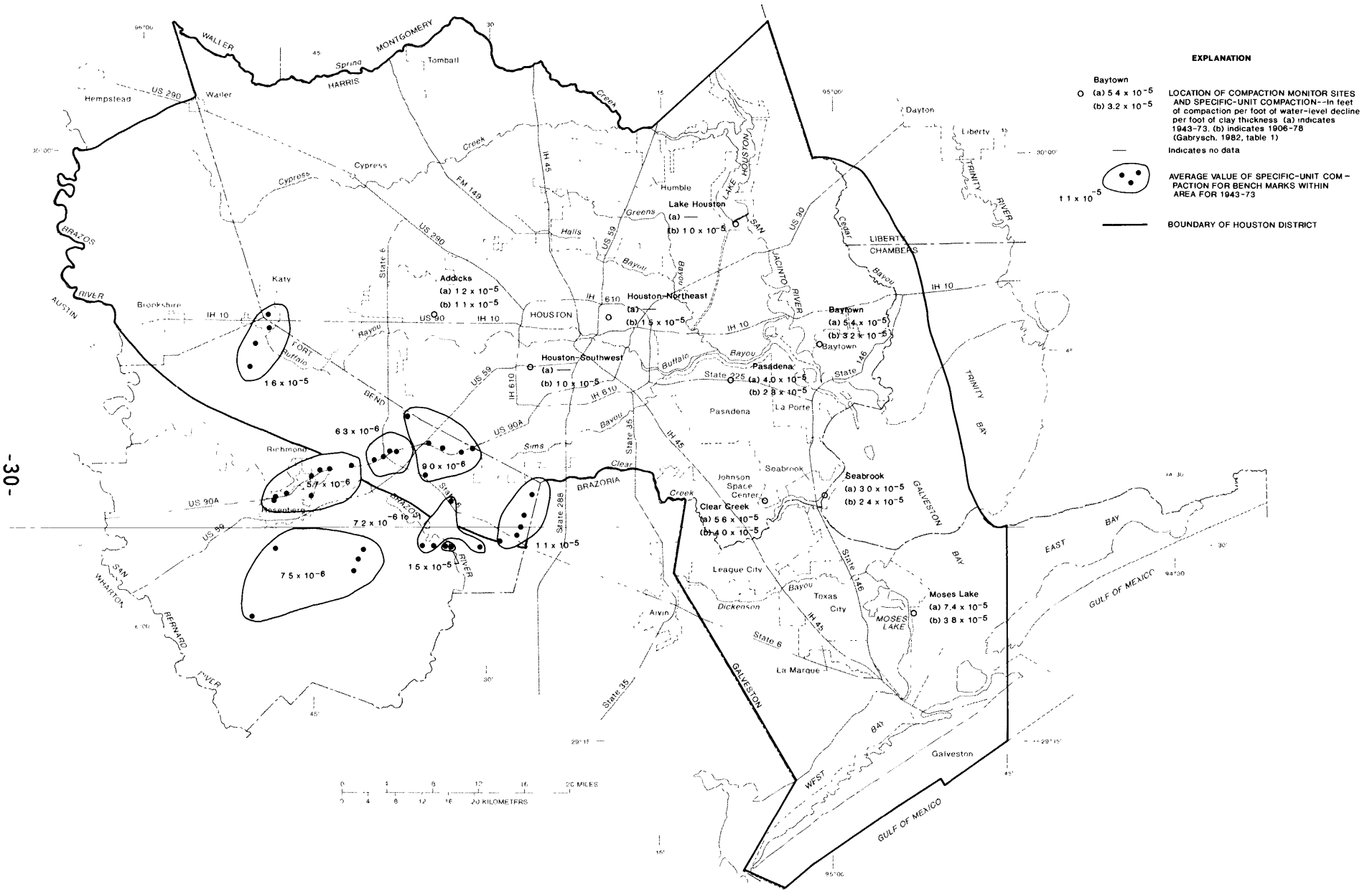

Figure 16.--Location of compaction monitor sites in the Houston district and average specific-unit compaction.

Holzer (1981, table 1) estimated that for stresses caused by water-level declines less than the preconsolidation stress, the ratio of land subsidence to water-level declines in the Chicot aquifer ranged from 0.007 to 0.011. The declines were conservatively estimated to be equivalent to depth to water from land surface in wells because the original potentiometric surface of the aquifers was above land surface. For water-level declines greater than the preconsolidation stress, the ratio ranged from 0.027 to 0.036. The relation between the subsidence of bench mark Y7 at Katy and the depth to water is shown in figure 17. When the depth to water exceeded about 75 ft, the ratio of subsidence to water-level decline increased from about 0.004 to 0.010, an indication from Holzer's work that the preconsolidation stress had been exceeded. Corresponding to this ratio increase, the specific-unit compaction increased from 4.3×10^{-6} ft^{-1} for 1906-54 to 2.7×10^{-5} ft^{-1} for 1954-78.

Holzer (1981) estimated that the preconsolidation stress was equivalent to about 100 to 200 ft of water-level decline (from land surface) in the Chicot aquifer. However, Meyer and Carr (1979, p. 13) estimated that the preconsolidation stress was equivalent to about 70 ft of decline in the Houston district. At Katy, the preconsolidation stress apparently is equivalent to about 75 ft of decline (fig. 17).

In 1943, the depth to water in wells in the lower unit of the Chicot aquifer ranged from about 25 ft to 50 ft below land surface. Only in the Katy area and in the far northeastern corner of the county were water levels in wells between 50 and 65 ft below land surface. Gabrysch and Bonnet (1975, fig. 10) estimated that the only subsidence in Fort Bend County between 1906-43 (less than 0.4 ft) occurred in the Katy area and northeastern part.

By 1973, the depth to water in wells completed in the lower unit of the Chicot aquifer ranged from about 50 ft in the southern and western parts of the county to 200 ft in the northeastern corner of the county. In the northeastern part of the county, the depth to water in wells was greater than 70 ft. The measured subsidence between 1943 and 1973 ranged from 0.5 ft to almost 2.0 ft (Gabrysch and Bonnet, 1975, fig. 9). The decline in water levels and the amount of subsidence indicate that the preconsolidation stress of the clays had been exceeded. Holzer's data indicate that for an additional 100 ft of water-level decline above the preconsolidation stress, about 3 ft of subsidence will occur. Less subsidence for an equivalent water-level decline (about 1 ft of subsidence per 100 ft of decline) is expected in the western and southwestern parts of the county where the preconsolidation stress probably has not been exceeded. In 1987, the depth to water in wells in the lower unit of the Chicot aquifer was still less than 70 ft in the western and southwestern parts of the county.

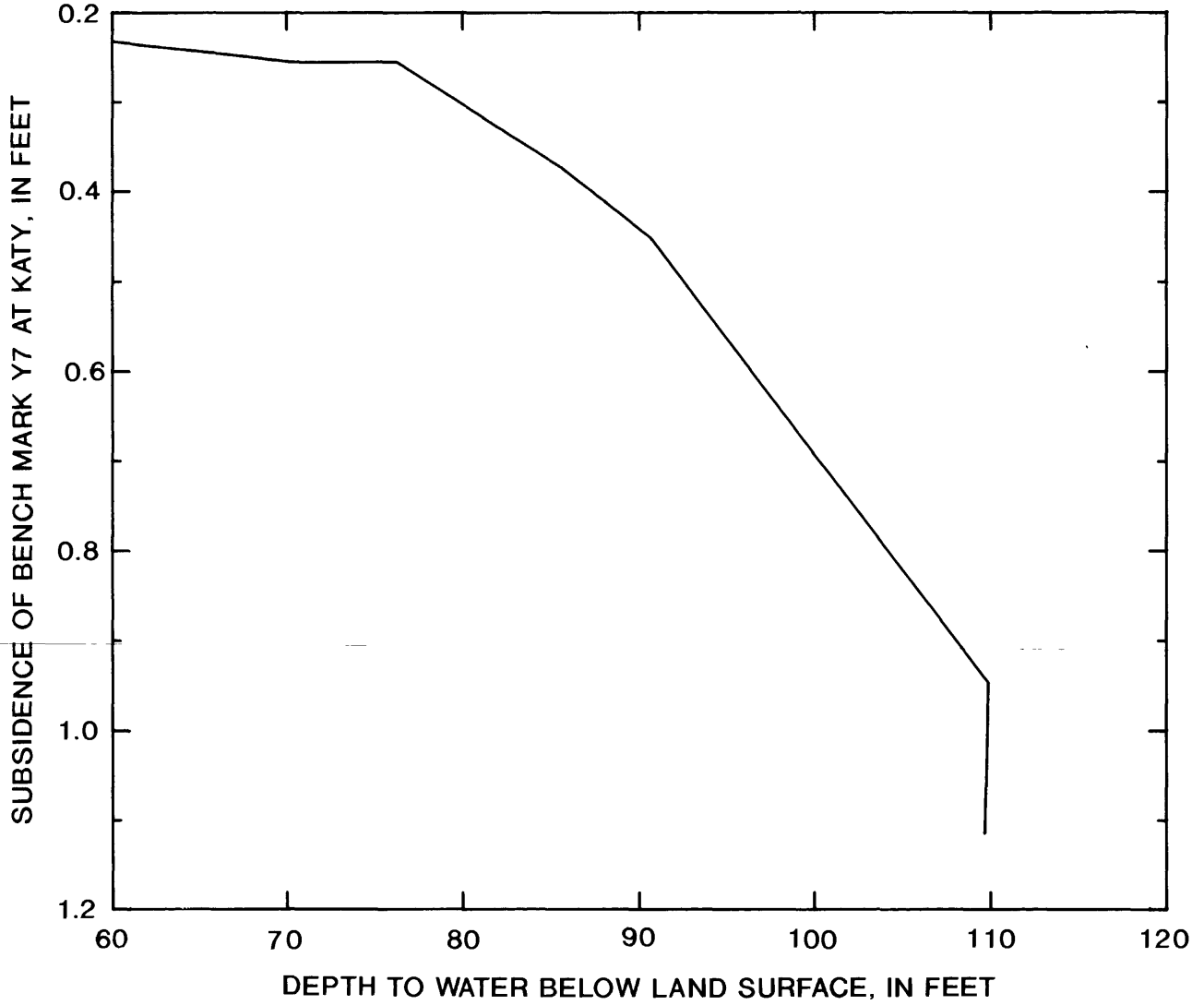

Figure 17.--Depth to water below land surface at well JY-65-10-702 and subsidence of a bench mark at Katy.

Areas Most Susceptible to Land-Surface Subsidence

The susceptibility of areas in Fort Bend County to land-surface subsidence is dependent on the total thickness and compressibility of the clays and on the water-level declines (stress) to which the clays have been subjected. The total thickness and compressibility of the clays, and, therefore, the susceptibility to subsidence, increase towards the coast. The greatest thickness of clay and most compressible clays are in the eastern half of the county adjacent to Brazoria County. In the northeastern one-quarter of Fort Bend County, stress related to water-level decline probably has exceeded the preconsolidation stress of the clays. Consequently, the amount of subsidence per unit of water-level decline in this area is expected to be three times greater than in the southwestern one-quarter of the county. The northeastern part is the most susceptible to subsidence because it is in the area where the largest water-level declines have occurred and where some of the thickest amounts of the most compressible clay in the county are located.

QUALITY OF GROUND WATER

Wesselman (1972, fig. 7) reported that fresh ground water is present throughout Fort Bend County, usually above the base of the Evengeline aquifer. This water is suitable for public supply, irrigation, and industrial uses. All public water systems in Fort Bend County meet the State's drinking-water standards for heavy metals, organic compounds, and radiological properties according to the Texas Department of Health (1983). Within the freshwater zone, water containing dissolved-solids concentrations greater than 1,000 mg/L is present in the vicinity of six shallow salt domes (Wesselman, 1972, fig. 7).

Water samples from 30 wells were analyzed in 1986 for calcium, magnesium, sodium, potassium, bicarbonate, sulfate, and chloride. Water samples from about 90 wells were analyzed for specific conductance, pH, temperature, bicarbonate, and chloride in 1986 and 1987. Water samples from an additional 21 wells were analyzed by the Geological Survey between 1969 and 1986. Water from an additional 40 wells was analyzed by private laboratories since 1969. The Texas Department of Health provided analyses of the water from 61 wells. The results of the analyses are presented in table 6 (Supplemental Data).

Fifty-one wells located throughout the county, including areas adjacent to the shallow salt domes and areas of large water-level decline, had been sampled at least twice between 1969 and 1987. The comparison of these analyses, or the analyses between nearby wells similarly completed but sampled years apart, indicate that there has been no substantial change in the concentrations of dissolved constituents since 1969.

Bicarbonate is the predominant anion in all the water samples. In the vicinity of the shallow salt domes, the second most common anion is chloride, or the percentages of chloride and bicarbonate ions are equal. Sodium is the predominant cation in most water samples from the Evangeline aquifer; the most common cations in water from both units of the Chicot aquifer are calcium and sodium. Water samples from the Evangeline aquifer can be characterized as a sodium bicarbonate type, whereas water samples from both units of the Chicot aquifer are a calcium or sodium bicarbonate type, or a calcium-sodium bicarbonate type.

A statistical summary of the concentrations of major dissolved ions and the values of specific conductance, hardness, and sodium adsorption ratio in water samples from each aquifer from this study and from Wesselman (1972, table 7) is presented in table 7 (Supplemental Data). For a well with multiple chemical analyses, the median values of the individual analyses were used to determine the median values for samples from the aquifer. About 20 analyses with high chloride concentrations (all from wells near a salt dome) were not used, because water from these wells generally is not used.

The median concentrations of calcium, magnesium, bicarbonate, and chloride decreased in water samples taken from the progressively deeper aquifers (the upper unit of the Chicot to the Evangeline aquifer). The median concentrations of sodium plus potassium, and sulfate were relatively constant in the aquifers. The median hardness of water samples decreased with depth from a very hard 258 mg/L in the upper unit of the Chicot aquifer, to 182 mg/L (hard) in the lower unit of the Chicot aquifer, to 105 mg/L (moderately hard) in the Evangeline aquifer. Also, the median concentration of dissolved solids decreased from 475 mg/L in the upper unit of the Chicot aquifer to 337 mg/L in the lower unit of the Chicot aquifer to 307 mg/L in the Evangeline aquifer.

SUMMARY AND CONCLUSIONS

The population of Fort Bend County has increased from about 52,314 in 1969 to 179,732 in 1986. The water needs of the population are supplied by ground water. In 1980, 17 percent of the households obtained water from individual wells and 83 percent from public-supply systems. Of the at least 90 large-capacity wells drilled since 1969, 57 were for public supply. Fifty of these new public supply wells have been drilled in the urban northeast area of the county. These wells average 1,180 ft in depth and have about 80 percent of their screens open to the Evangeline aquifer. In addition, at least 23 large-capacity irrigation wells and 10 large-capacity industrial wells have been drilled in the county since 1969. Eighteen of the new irrigation wells are for rice irrigation. These wells have an average depth of 735 ft and have about 75 percent of their screens open to the Chicot aquifer. The 10 industrial wells drilled since 1969 have an average depth of

725 ft and have about 75 percent of their screens open to the Chicot aquifer. Of the total 149 large-capacity wells in the county in 1987, 69 were public-supply wells, 63 were rice-irrigation wells, and 17 were industrial wells.

The total withdrawal of ground water increased irregularly from 56 Mgal/d in 1969 to 72 Mgal/d in 1982, but then decreased to 53 Mgal/d in 1986. Public-supply withdrawals, paralleling the steadily growing population, increased from 4 Mgal/d in 1969 to 28 Mgal/d in 1986. About 80 percent of the total public-supply withdrawal came from the northeastern part of the county where most of the new public-supply wells were drilled. In 1969, withdrawal for public supply from the Chicot and Evangeline aquifers was about equal, but in 1986, most of the water withdrawn (80 percent) came from the Evangeline aquifer.

Total withdrawal within the county historically has varied with irrigation withdrawal, which, in turn, is related to acres of rice grown. About 90 percent of the irrigated land is planted in rice. During 1969-82 and 1984, an average of 17,500 acres of rice was irrigated by ground water each year, whereas in 1983, 1985, and 1986 the yearly average was 8,700 acres. Groundwater withdrawals for irrigation averaged 38 Mgal/d during 1969-82 and 1984, but only averaged 20 Mgal/d in 1983, 1985, and 1986. Almost all of the water withdrawn for irrigation (80 to 90 percent) has been from the Chicot aquifer.

Industrial withdrawal decreased from 13 Mgal/d in 1969 to 5 Mgal/d in 1986. Most of the water withdrawn (70 to 90 percent) has been from the Chicot aquifer. With the increasing withdrawals for public supply and the decreasing withdrawals for irrigation and industry, the principal use of ground water changed from irrigation to public supply. Because of this change, ground water was withdrawn about equally from the Chicot and Evangeline aquifers in 1986. In 1969, most of the water withdrawn (85 percent) was from the Chicot aquifer.

Water levels in wells screened in the upper unit of the Chicot aquifer generally have fluctuated less than 4 ft between 1968-69 and 1987, even in areas of large decline in the potentiometric surfaces of the underlying units. The net decline in the potentiometric surface of the lower unit of the Chicot aquifer ranged from less than 10 ft in much of the western part to about 100 ft in the northeastern part of the county between 1968-69 and 1987. In the southwestern part of the county, the net decline was less than 20 ft. Hydrographs indicate that water levels in wells in the lower unit of the Chicot aquifer have either risen a few feet or remained constant after 1982 in much of the county. Water levels in wells screened in the lower unit of the Chicot aquifer in the northeastern part of the county have continued to decline.

The net decline in the potentiometric surface of the Evangeline aquifer ranged from less than 25 ft in the northwestern part to 125 ft in the northeastern part of the county from 1968-69 through 1987. Hydrographs of water levels in wells screened in the Evangeline aquifer in the northeastern part of the county also indicate a recent stabilization of water levels.

The declining water levels have resulted in land-surface subsidence. The subsidence measured by 1978 ranged from more than 0.5 ft in most of the county to more than 2.0 ft in the northeastern part. Studies in the adjacent Houston area showed that most of the compaction occurs in the shallower Chicot aquifer and that the compressibility of the clays increases towards the coast. The amount and the percentage of clay in the Chicot aquifer also increases towards the coast. The total thickness of clay in the Chicot aquifer increases from less than 150 ft near Katy to more than 350 ft in the eastern part of the county. The amount of clay in the Evangeline aquifer also increases towards the coast from an average of about 700 ft near Katy to about 1,100 ft in the eastern part of the county. The compressibility of the clays in Fort Bend County, as indicated by specific-unit compaction values, is similar to that of the inland compaction monitor sites of Addicks, Houston-Northeast, Houston-Southwest, and Lake Houston. Water-level declines greater than the preconsolidation stress of the clays probably have occurred in the northeastern part of the Fort Bend County, but not in the western and southwestern parts. The northeastern part of the county is the most susceptible to land-surface subsidence because it is in the area with the largest water-level declines and the thickest amount of the most compressible clays.

Concentrations of dissolved constituents in the water from wells have not changed substantially since 1969. Water from the upper unit of the Chicot aquifer is very hard and has a median dissolved-solids concentration of 475 mg/L. Water from the lower unit of the Chicot aquifer is hard and has a median dissolved-solids concentration of 337 mg/L. Water from the Evangeline aquifer is moderately hard and has a median dissolved-solids concentration of 307 mg/L.

REFERENCES CITED

Gabrysch, R.K., 1969, Land-surface subsidence in the Houston-Galveston region, Texas: International symposium on land subsidence, Tokyo, Japan, 1969, Proceedings, Publication no. 88, AIHS, p. 43-54.

-----1972, Development of ground water in the Houston District, Texas 1966-69: Texas Water Development Board Report 152, 24 p.

-----1977, Approximate areas of recharge to the Chicot and Evangeline aquifer systems in the Houston-Galveston area, Texas: U.S. Geological Survey Open-File Report 77-754, 1 p.

-----1980, Development of ground water in Houston district, Texas, 1970-74: Texas Department of Water Resources Report 241, 49 p. (also published as U.S. Geological Survey Open-File Report 77-413, 1977).

-----1982, Ground-water withdrawals and land-surface subsidence in the Houston-Galveston region, Texas, 1906-80: U.S. Geological Survey Open-File Report 82-571, 68 p. (also published as Texas Department of Water Resources Report 287, 1984).

-----1984, Ground-water withdrawals and changes in water levels in the Houston district, Texas, 1975-79: Texas Department of Water Resources Report 286, 42 p. (also published as U.S. Geological Survey Open-File Report 82-431, 1982).

Gabrysch, R.K., and Bonnet, C.W., 1975, Land-surface subsidence in the Houston-Galveston region, Texas: Texas Water Development Board Report. 188, 19 p. (also published as U.S. Geological Survey Open-File Report 74-123, 1974).

Holzer, T.L., 1981, Preconsolidation stress of aquifer systems in areas of induced land subsidence: Water Resources Research, v. 17, no. 3, p. 693-704.

Holzer, T.L., and Gabrysch, R.K., 1987, Effect of water-level recoveries on fault creep, Houston, Texas: Ground Water, v. 25, no. 4, p. 392-397.

Jorgensen, D.G., 1975, Analog-model studies of ground-water hydrology in the Houston district, Texas: Texas Water Development Board Report 190, 84 p. (also published as U.S. Geological Survey Open-File Report 74-113, 1974).

Jorgensen, D.G., 1981, Geohydrologic models of the Houston District, Texas: Ground Water, v. 19, no. 4, p. 418-428.

Lang, J.W., Winslow, A.G., and White, W.N., 1950, Geology and ground-water resources of the Houston district, Texas: Texas Board of Water Engineers Bulletin 5001, 55 p.

Loskot, C.L., Sandeen, W.M., and Follett, C.R., 1982, Ground-water resources of Colorado, Lavaca, and Wharton Counties, Texas: Texas Department of Water Resources Report 270, 245 p. (also published as U.S. Geological Survey Open-File Report 79-212, 1979).

Naftel, W.L., Vaught, Kenneth, and Fleming, Bobbie, 1976, Records of wells, drillers' logs, water-level measurements, and chemical analyses of ground water in Brazoria, Fort Bend, and Waller Counties, Texas, 1966-74: Texas Water Development Board Report 201, 90 p.

Ratzlaff, K.W., Ranzau, C.E., and Lind, W.B., 1983, Records of wells, drillers' logs, water-level measurements, and chemical analyses of ground water in Brazoria, Fort Bend, and Waller Counties, Texas, 1975-79: Texas Department of Water Resources Report 277, 57 p.

Sandeen, W.M., and Wesselman, J.B., 1973, Ground-water resources of Brazoria County, Texas: Texas Water Development Board Report 163, 199 p.

Texas A&M University, 1986, Texas population estimates, county place totals: Texas A&M University, Department of Rural Sociology, 43 p.

Texas Department of Health (eds.), 1983, Chemical analyses of public water systems, 135 p.

Texas Water Development Board, 1975, Inventories of irrigation in Texas, 1958, 1964, 1969, and 1974: Texas Water Development Board Report 196, 265 p.

-----1986, Surveys of irrigation in Texas, 1958, 1964, 1969, 1974, 1979, and 1984: Texas Water Development Board Report 294, 243 p.

U.S. Bureau of the Census, 1972, Census of housing: 1970, Housing characteristics for States, cities, and counties, v. 1, chapter B, part 45, Detailed housing characteristics: U.S. Government Printing Office.

-----1973, Census of population: 1970, Characteristics of the population, v. 1, part 45, Texas: U.S. Government Printing Office

-----1983, Census of housing: 1980, Characteristics of housing units, v. 1, chapter B, part 45, Detailed housing characteristics: U.S. Government Printing Office.

Wesselman, J.B., 1972, Ground-water resources of Fort Bend County, Texas: Texas Water Development Board Report 155, 185 p.

Williams, J.F., III, Lind, W.B., and Coplin, L.S., 1987, Approximate altitude of water levels in wells in the Chicot and Evangeline aquifers in the Houston area, Texas, Spring 1987: U.S. Geological Survey Open-File Report 87-233, 2 sheets.

Williams, J.F., III, and Ranzau, C.E., Jr., 1987, Ground-water withdrawals and changes in ground-water levels, ground-water quality, and land-surface subsidence in the Houston district, Texas, 1980-84: U.S. Geological Survey Water Resources Investigations Report 87-4153, 56 p.

Williams, J.F., III, Ranzau, C.E., Jr., and Lind, W.B., 1987, Approximate water-level changes in wells completed in the Chicot and Evangeline aquifers, 1977-87 and 1986-87, and measured compaction, 1973-87, in the Houston-Galveston region, Texas: U.S. Geological Survey Open-File Report 87-108, 7 sheets.

Williams, J.F., III, Ranzau, C.E., Jr., Lind, W.B., and Coplin, L.S., 1986, Records of wells, drillers' logs, water-level measurements, and chemical analyses of ground water in Brazoria, Fort Bend, and Waller Counties, Texas, 1980-84: U.S. Geological Survey Open-File Report 86-068, 51 p.

Wilson, C.A., 1967, Ground-water resources of Austin and Waller Counties, Texas: Texas Water Development Board Report 068, 231 p.

Wood, L.A., and Gabrysch, R.K., 1965, Analog model study of ground water in the Houston District, Texas: Texas Water Commission Bulletin 6508, 103 p.

Wood, L.A., Gabrysch, R.K., and Marvin, Richard, 1963, Reconnaissance investigation of the ground-water resources of the Gulf Coast region, Texas: Texas Water Commission Bulletin 6305, 114 p.

SUPPLEMENTAL DATA

Table 1.--Correlation of geologic and hydrologic units
(Modified from Williams and Ranzau, 1987)

Geologic classification			Hydrologic unit		
System	Series	Stratigraphic unit	Houston district (Lang, Winslow, and White, 1950)	Houston district (Jorgensen, 1975)	This report
Quaternary	Holocene	Quaternary alluvium	Alluvial deposits	Chicot aquifer, Upper unit	Chicot aquifer, Upper unit
Quaternary	Pleistocene	Beaumont Formation	Beaumont Clay	Chicot aquifer, Upper unit	Chicot aquifer, Upper unit
Quaternary	Pleistocene	Montgomery Formation	Beaumont Clay	Chicot aquifer, Upper unit	Chicot aquifer, Upper unit
Quaternary	Pleistocene	Bentley Formation	"Alta Loma Sand"	Chicot aquifer, Lower unit	Chicot aquifer, Lower unit
Quaternary	Pleistocene	Willis Sand	Zone 7 Zone 6	Chicot aquifer, Lower unit	Chicot aquifer, Lower unit
Tertiary	Pliocene	Goliad Sand	Zone 5 Zone 4 Zone 3	Evangeline aquifer	Evangeline aquifer
Tertiary	Miocene	Fleming Formation	Zone 2	Burkeville confining layer	Burkeville confining layer
Tertiary	Miocene	Oakville Sandstone	Zone 1	Jasper aquifer	Jasper aquifer

Table 2.--Records of selected wells in Fort Bend County

Water-bearing unit : CHCT, Chicot aquifer; EVGL, Evangeline aquifer.
Water level : Reported water levels in feet; measured water levels in hundreths of feet.
Use of water : I, irrigation; U, unused: H, domestic; P, public supply; S, stock; N, industrial.
Type of data available : W, Water-level measurements (see table 4); Q, chemical analysis (see table 6); D, Drillers' log (see table 3); E, Electric log.
[M.U.D., Municipal Utility District]

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-09-906	Don McMillian	Katy Drlg., Inc.	1951	575	20,12	492	83 - 575	CHCT, EVGL	149	97.61 113.65	03/13/69 02/06/87	I	3,000	--	W
JY-65-10-702	Earl McMillian	B. Southerd	1938	346	15	170	176 - 346	CHCT	144	101.28 121.65 120.20	03/13/69 01/07/86 01/07/87	I	1,530	--	W
JY-65-10-703	P.V. Cook	B. Southerd	1929	170	28,12	--	--	CHCT	140	97.8 115.76	03/12/69 01/22/85	U	570	--	W
JY-65-10-713	Glen H. Beeler	--	--	165	--	--	--	CHCT	142	--	--	H	--	--	Q
JY-65-10-801	Clyde Nelson	Katy Drlg., Inc.	1956	365	16,14	273	92 - 365	CHCT	133	97.5 112.57 113	03/12/69 02/19/86 02/06/87	U	--	--	--
JY-65-10-810	Falcon Point	Bussell and Son, Inc.	1983	643	10,8,6	131	405 - 638	EVGL, CHCT	129	154 146.40	07/28/83 03/11/86	I	521	45	D,Q
JY-65-10-811	Ft. Bend County M.U.D. 37, Well No. 1	Lanford Drlg. Co., Inc.	1983	1,022	18,12	250	570 - 1,012	EVGL	129	178 170.07 179.44	11/16/83 03/21/86 02/06/87	P	1,212	67	D,E,Q
JY-65-10-812	City of Katy, Well No. 5	Layne-Western Co., Inc.	1981	644	16,10	--	444 - 634	CHCT, EVGL	129	167 153.60	07/ /81 02/06/87	P	1,001	304	D,Q,W
JY-65-17-201	Richard A. Woods	Katy Drlg., Inc.	1957	335	20	235	100 - 335	CHCT	157	93.71 104.65 104.02	03/14/69 01/28/86 01/08/87	I	--	--	W

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-17-202	L.D. Ware	Texas Water Wells	1957	352	20	--	--	CHCT	158	--	--	I	--	--	Q
JY-65-17-204	Richard A. Woods	Richard A. Woods	1945	330	20	--	--	CHCT	157	96.33 117.10	03/13/69 01/23/69	I	--	--	W
JY-65-17-206	Richard A. Woods	Katy Drlg., Inc.	1970	583	18,12	427	156 - 583	CHCT, EVGL	157	115 110.25 111.37	12/23/70 02/14/86 02/24/87	I	3,024	53	D,Q
JY-65-17-307	Walter P. Cook	Katy Drlg., Inc.	1966	617	20,12	385	232 - 617	CHCT, EVGL	147	114.10 112.36	02/14/86 03/20/87	I	2,700	--	--
JY-65-17-308	Stewart and Stevenson, Inc.	Katy Drlg., Inc.	1969	711	20,12	499	191 - 711	CHCT, EVGL	142	114	01/14/69	I	3,351	206	D
JY-65-17-309	Walter P. Cook	--	--	150	4	--	--	CHCT	147	100.14	02/14/86	U	--	--	--
JY-65-17-401	Vernon W. Frost	Katy Drlg., Inc.	1952	378	20	293	85 - 378	CHCT	114	37.99 43	12/17/68 02/24/87	U	3,500	--	--
JY-65-17-402	Gail W. Spencer	Katy Drlg., Inc.	1956	367	16,12	250	117 - 367	CHCT	112	36.49 40.45	12/16/68 02/24/87	U	--	--	--
JY-65-17-404	Southern Pacific Railroad Co.	Layne-Bowler	1908	1,100	6	--	--	EVGL	114	60.65 83.56 77.15	12/16/68 02/03/86 02/24/87	U	180	--	W
JY-65-17-505	Ft. Bend County M.U.D. 81	Bussell and Son, Inc.	1985	450	10,6	98	329 - 440	CHCT	106	55 50.30 50.30	05/25/85 03/11/86 02/24/87	P	--	--	D
JY-65-17-606	Stella Ranch	Katy Drlg., Inc.	1972	842	20,12	603	240 - 843	CHCT, EVGL	142	125	11/ /72	I	4,150	202	D
JY-65-17-607	Dennis Burke	G.S. Rhemann Water Well Service, Inc.	1981	280	6,4	20	260 - 280	CHCT	105	39	02/10/81	H	160	--	D

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-17-608	Ft. Bend County Precinct 4, Road and Bridge Maintenance	Austin County Water Water Well Service, Inc.	1983	170	4	10	160 - 170	CHCT	136	65 81	10/10/83 02/14/86	H	60	10	Q
JY-65-17-610	City of Fulshear	--	--	150	--	--	--	CHCT	142	90.59	02/14/86	H	--	--	Q
JY-65-17-612	Lamar Consolidated Independent School District, Huggins Elementary School	B.J. Swinehart Co.	1979	377	6,4	40	326 - 375	CHCT	141	95 99.32	02/28/79 03/10/86	P	92	24	D
JY-65-17-613	L. D. Linley	--	--	200	4	--	--	CHCT	133	--	--	H	--	--	Q
JY-65-18-101	C.C. Cardiff	Justman	1949	818	20	--	--	CHCT, EVGL	142	97.47 114.62	03/12/69 02/25/87	I	--	--	W
JY-65-18-103	C.C. Cardiff	Layne-Texas, Co.	1925	628	24,12,10	142	137 - 624	CHCT	139	97.34 89.05 88.63	03/12/69 01/28/86 01/08/87	I	1,375	--	W
JY-65-18-111	Cardiff Brothers	Katy Drlg., Inc.	1967	1,000	20,12	661	339 - 1,000	CHCT, EVGL	138	129.10 128.75	02/14/86 02/10/87	I	3,511	--	--
JY-65-18-112	Cardiff Brothers	Katy Drlg., Inc.	1973	914	20,12	664	250 - 914	EVGL, CHCT	138	129	02/01/73	I	3,260	213	D
JY-65-18-113	Stewart and Stevenson, Inc.	Katy Drlg., Inc.	1969	642	20,12	412	174 - 642	EVGL, CHCT	140	115	01/14/69	I	3,250	198	D
JY-65-18-202	Cinco Ranch	Layne-Texas, Co.	1945	536	26,12	340	100 - 534	CHCT	127	93.24 106.94 105.89	03/12/69 01/28/86 01/08/87	I	2,225	--	W
JY-65-18-206	Jimmie Johnson	Katy Drlg., Inc.	1970	760	20,12	509	251 - 760	EVGL, CHCT	127	109 121.69	02/ /70 02/18/86	I	3,130	183	--

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-18-207	E. K. Sanders	Katy Drlg., Inc.	1969	350	14	190	160 - 350	CHCT	121	100 116.90 117.32	03/ /69 02/18/86 02/05/87	I	1,160	115	D
JY-65-18-304	Cinco Ranch	Layne-Western Co., Inc.	1974	605	20,12	233	280 - 605	CHCT, EVGL	119	115	06/ /74	I	2,513	183	D
JY-65-18-403	Hines Nursery, Inc.	Layne-Western Co., Inc.	1977	765	20,14,12	141	398 750	CHCT, EVGL	108	119	11/04/77	I	1,825		
JY-65-18-404	Hines Nursery, Inc.	Bussell and Son, Inc.	1984	550	12,8	146	355 - 550	CHCT	106	110 97.20 90.50	11/26/84 03/12/86 02/25/87	I	--	--	D
JY-65-18-405	Hines Nursery, Inc.	Bussell and Son, Inc.	1985	320	4,2	20	300 - 320	CHCT	122	100 98	03/01/85 03/12/86	P	--	--	--
JY-65-18-602	E.W. Gless	Justman	1951	520	24,12	400	120 - 520	CHCT	103	79.91 100.21	03/12/69 02/06/87	U	--	--	W
JY-65-18-604	Ed Helwig	Katy Drlg., Inc;	1965	620	20,12	390	230 - 620	CHCT	100	179.56	03/03/87	U	4,200	--	--
JY-65-18-609	Ft. Bend County M.U.D. 34	Layne-Western Co., Inc.	1983	1,105	20,14	--	658 - 1,090	EVGL	112	189 187.00 179.56	10/ /83 03/05/86 03/03/87	P	1,500	81	D,Q
JY-65-18-610	Tom Peckinpaugh	Mahler Water Well Service, Inc.	1985	330	5,2	20	310 - 330	CHCT	104	135	09/20/85	P	70	15	D
JY-65-18-611	Ft. Bend County M.U.D. 50	Layne-Texas Co.	1986	1,189	--	279	710 - 1,189	EVGL	108	--	--	P	--	--	Q
JY-65-18-705	Bart Vickers	G.S. Rhemann Water Well Service, Inc.	1981	180	6,4	20	160 - 180	CHCT	95	--	--	I	170	--	D

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-18-706	Harrison Interests, Ltd.	Mueller Well Service	1980	175	6	20	155 - 175	CHCT	102	50	12/18/80	S	70	--	D
JY-65-18-905	Jerry Lea	G.S. Rhemann Water Well Service, Inc.	1986	260	6,4	40	220 - 260	CHCT	87	81	06/09/86	I	160	--	D
JY-65-19-101	W.W. Wheeless	---	1939	400	8	--	--	CHCT	96	91.64 131.50 130.02	01/07/69 02/18/86 02/05/87	U	--	--	--
JY-65-19-406	Castone Brick	Raymond Water Wells	1983	247	5,2	15	232 - 247	CHCT	95	105	02/03/83	N	335	15	D
JY-65-19-407	Ft.Bend County M.U.D. 50	Layne-Texas Co.	1986	727	--	--	--	CHCT, EVGL	94	--	--	P	--	--	Q
JY-65-19-509	Ft. Bend County M.U.D. 30	Layne-Western Co., Inc.	1979	878	16,10	325	635 - 868	EVGL	95	167	04/24/79	P	2,513	33	W
JY-65-19-510	Chelford City M.U.D., Well No. 2	Layne-Texas Co.	1981	815	16,10	185	530 - 800	CHCT, EVGL	91	151	10/19/81	P	1,230	80	D,E,Q
JY-65-19-511	Dunaway	Robinson Water Well Service, Inc.	1983	293	5,2	40	253 - 293	CHCT	95	111	06/03/83	U	--	--	D
JY-65-19-512	Dunaway	Robinson Water Well Service, Inc.	1983	391	5,2	40	351 - 391	CHCT	95	160 117	06/03/83 02/04/87	U	--	--	D
JY-65-19-513	Big Oak M.U.D.	Layne-Texas Co.	1985	730	24,18,14	207	420 - 714	CHCT, EVGL	93	162 158	03/11/85 03/21/86	P	1,808	113	D,E,Q
JY-65-19-514	--	--	--	250	--	--	--	CHCT	92	116.50	02/18/86	N	--	--	--
JY-65-19-601	John L. Dore, Co.	Layne-Texas Co.	1968	554	8,4		462 - 542	CHCT	90	132 190	05/20/68 12/30/86	N	--	--	D,Q

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-19-603	Kingsbridge M.U.D., Well No. 1	Layne-Texas Co.	1982	1,505	20,14	375	610 - 1,490	EVGL	91	260 233.70 230.10	02/15/83 03/05/86 03/03/87	P	1,520	67	D,E,Q
JY-65-19-604	Tree and Wood Disposal	G.S. Rhemann Water Well Service, Inc.	1983	240	6,4	20	220 - 240	CHCT	92	120 119.42	05/12/83 02/05/87	N	110	--	D,Q
JY-65-19-605	Coastal Cement and Sand	--	--	180	--	--	--	CHCT	94	--	--	N	--	--	Q
JY-65-19-606	North Mission Glen M.U.D., Well No. 2	Alsay Inc.	1985	1,400	20,14	398	700 - 1,380	EVGL	95	305	10/04/85	P	1,500	43	D
JY-65-19-703	Texas Department of Corrections	Layne-Texas Co.	1949	336	10	--	--	CHCT	87	--	--	P	300	--	Q
JY-65-19-704	Cinco Ranch	Katy Drlg., Inc.	1964	528	16	367	161 - 528	CHCT	101	79.25 102.47	03/12/69 02/06/87	U	--	--	W
JY-65-19-705	Texas Department of Corrections, Beuford Jester Unit	Layne-Texas Co.	1949	336	10	--	--	CHCT	87	95.40	03/16/87	P	--	--	--
JY-65-19-706	Pecan Grove M.U.D. 2, Well No. 1	Layne-Texas Co.	1984	900	20,14,12	236	459 - 884	CHCT, EVGL	81	138	02/10/84	P	1,507	95	D,Q
JY-65-19-801	Texas Department of Corrections	J. Siegert and Son	1958	256	16	60	196 - 256	CHCT	92	93.11 109.19	01/10/69 02/08/86	U	1,300	--	--
JY-65-19-803	Texas Department of Corrections	J.B. Dunn	1957	233	12	96	137 - 233	CHCT	85	74.05 98.38	01/10/69 02/08/86	U	1,110	--	--
JY-65-19-804	Texas Department of Corrections	J.B. Dunn	1956	231	16,14	103	128 - 231	CHCT	85	62.27 81.15	01/10/69 02/08/86	U	1,300	--	--

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-19-807	Texas Department of Corrections, Beuford Jester Unit No. 5	Layne-Texas Co.	1978	1,040	14,8	106	760 - 1,025	EVGL	82	156 172	09/22/78 03/16/87	P	521	32	D,Q
JY-65-19-809	Ft. Bend County M.U.D. 25, Well No. 1	Water Resources of Texas	1979	850	16,10	250	510 - 850	EVGL, CHCT	83	167 180.10	08/ /79 03/14/86	P	1,000	--	D,Q
JY-65-19-902	Texas Department of Corrections	--	1963	70	4	--	--	CHCT	87	16.96 16.86	01/10/69 03/14/86	U	--	--	--
JY-65-19-904	Ft. Bend County W.C.I.D. 4	Layne-Texas Co.	1969	1,775	10,6	150	1,305 - 1,760	EVGL	86	192 303.80 295.50	08/21/69 03/12/86 02/10/87	P	536	--	D,Q
JY-65-19-905	Ft. Bend County M.U.D. 25, Well No. 2	Water Resources of Texas	1980	924	16,10	268	562 - 914	CHCT, EVGL	83	168 181.50	11/05/80 03/05/86	P	1,000	33	D,Q
JY-65-19-906	Ft. Bend County M.U.D. 41, Well No. 1	Layne-Texas Co.	1984	1,565	16,10	210	1,060 - 1,550	EVGL	82	281 278 263.20	11/12/84 03/05/86 03/03/87	P	1,022	42	D,E,Q
JY-65-19-907	Ft. Bend County M.U.D. 2, Well No. 1	Texas Water Wells, Inc.	1974	902	10	208	568 - 892	EVGL, CHCT	91	174 234.50 235	03/27/74 03/13/86 02/20/87	P	1,000	114	--
JY-65-19-908	L. A. Wheeler, III	Mahler Water Well Service, Inc.	--	250	4	--	--	CHCT	82	--	--	H	--	--	Q
JY-65-19-909	Gemstar Homes	O'Day Drlg. Co., Inc.	1983	549	8,6	53	492 - 545	CHCT	82	195 244.50	03/03/83 02/05/87	I	400	--	D
JY-65-19-910	Fort Bend County M.U.D. 2, Well No.2	Layne-Western Co., Inc.	1978	979	18,12	546	969	CHCT, EVGL	90	201 241.50	04/ /78 03/13/86	P	1,266	--	--

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-20-702	Flopetrol Johnston	Layne-Texas Co.	1957	1,017	16,8	165	823 - 1,006	EVGL	83	258.10	03/19/86	N	--	--	Q
JY-65-20-708	Ft. Bend County W.C.I.D. 2	Layne-Texas Co.	1970	1,625	16,10	200	920 - 1,610	EVGL	86	185	03/24/70	P	1,277	44	D,Q
JY-65-20-709	The Meadows M.U.D., Well No. 2	Layne-Texas Co.	1972	1,035	16,10	200	720 - 1,015	EVGL	87	205	11/14/72	P	1,235	57	D,Q
JY-65-20-710	The Baylor Co.	Ellis Water Well Drlg.	1968	452	4	12	440 - 452	CHCT	80	128	08/28/68	N	--	--	D
JY-65-20-711	City of Sugarland	Layne-Texas Co.	1975	1,665	20,12	250	920 - 1,650	EVGL	81	239 294.85	08/27/75 03/12/86	P	1,800	81	D,Q
JY-65-20-804	Weatherford Farm and Greenhouse, Inc.	Bryan Drlg. Co.	1971	377	6	20	357 - 377	CHCT	80	125	04/02/71	I	--	--	D,Q
JY-65-20-805	Texas Instruments, Inc.	Layne-Texas Co.	1969	1,020	14,8	155	690 - 1,005	EVGL, CHCT	84	164	04/17/71	N	765	64	D
JY-65-20-806	The Meadows M.U.D., Well No. 1	Layne-Texas Co.	1970	1,040	16,10	180	750 - 1,028	EVGL	80	178 285.40	06/02/70 03/03/87	P	1,023	39	D,Q
JY-65-20-809	Texas Instruments, Inc., Well No. 3	Water Resources of Texas	1980	934	14,8	274	522 - 924	CHCT, EVGL	80	242 276	09/22/80 02/28/86	N	1,000	38	Q
JY-65-20-914	Ft. Bend County W.C.I.D. 2	Layne-Texas Co.	1977	1,690	16,10	239	910 - 1,660	EVGL	74	282	01/05/78	P	1,266	69	D,Q
JY-65-25-201	Duval Sulphur and Potash Co.	Duval Sulphur and Potash Co.	1957	284	16,8	126	144 - 284	CHCT	115	39.23 39.77	02/13/86 02/16/87	U	645	--	Q
JY-65-25-202	Duval Sulphur and Potash Co.	Duval Sulphur and Potash Co.	1956	292	16,8	116	120 - 279	CHCT	115	49.13 49.50	02/13/86 02/16/87	U	810	--	--

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-25-203	Duval Sulphur and Potash Co.	Duval Sulphur and Potash Co.	1956	280	16,8	110	151 - 276	CHCT	115	44.98 46.62	02/13/86 02/16/87	U	15	--	W
JY-65-25 301	R.E. Smith	Layne-Texas Co.	1945	438	18,12	339	91 - 432	CHCT	111	50.33 57.56 58.15	01/14/69 02/03/86 02/17/87	I	2,500	--	Q,W
JY-65-25-302	R.E. Smith	Layne-Texas Co.	1944	435	18,13,12	232	111 - 431	CHCT	113	51.74 54.17	01/14/69 08/11/81	I	2,500	--	Q,W
JY-65-25-402	Jerry Kulhanek	American Water Well Co.	1958	245	12	--	--	CHCT	120	40.63 48.37 48.54	01/08/69 02/20/86 02/16/87	U	1,000	--	--
JY-65-25-407	Heirs of Ivy M. Morrison	Layne-Western Co., Inc.	1974	934	20,12	657	277 - 934	CHCT, EVGL	117	70	01/ /75	I	4,300	217	D,Q
JY-65-25-505	Greenwald and Banfield	Katy Drlg., Inc.	1973	793	20,12	570	223 - 793	CHCT, EVGL	117	73 58.59	11/ /73 02/23/86	I	4,300	217	D
JY-65-25-506	John Moore	Katy Drlg., Inc.	1972	770	20,12	570	200 - 770	CHCT, EVGL	114	71	10/ /72	I	4,300	163	D,Q
JY-65-25-605	Heirs of Ivy M. Morrison	Layne-Western Co., Inc.	1975	805	20,12	575	230 - 805	CHCT, EVGL	114	78 67.30	10/02/75 02/23/86	I	3,667	79	D
JY-65-25-606	Heirs of Ivy M. Morrison	Layne-Western Co., Inc.	1979	915	20,12	554	281 - 915	CHCT	114	89 64.19 65.11	02/15/79 02/23/86 02/16/87	I	2,409	126	D,Q
JY-65-25-607	Murphy Manufacturing Co.	Robinson Water Well Service	1983	390	5,2	50	340 - 390	CHCT	109	80 62.55	06/07/83 03/24/86	N	--	--	D,Q
JY-65-25-608	A. Kolojaco	--	--	200	--	--	--	CHCT	108	--	--	H	--	--	Q
JY-65-25-609	I. M. Morrison	--	1936	60	--	--	--	CHCT	112	--	--	S	--	--	Q

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-25-701	H. and E. Engle	Crowell Bros.	1957	285	12	170	98 - 284	CHCT	115	41.96 51.51 50.33	01/08/69 02/20/86 02/18/87	I	--	--	--
JY-65-25-703	August Blazek	American Water Well Co.	1958	295	12	--	--	CHCT	114	38.98 47.45	01/08/69 02/20/86	U	--	--	--
JY-65-25-709	Lloyd Engel	Powell	1964	305	12	--	96 -	CHCT	108	40.11 49.98 48	01/09/69 02/20/86 02/16/87	I	--	--	--
JY-65-25-801	--	--	--	--	--	--	--	--	111	54.39	02/20/86	I	--	--	--
JY-65-25-909	Wilford Hopmann	Katy Drlg., Inc.	1968	473	20,12	323	--	CHCT	110	62	03/18/68	I	3,263	72	D,Q
JY-65-26-104	Frito-Lay, Inc.	Critendon Drlg. Service, Inc.	1981	126	8	40	86 - 126	CHCT	112	60	06/18/81	U	250	--	D
JY-65-26-105	Frito-Lay, Inc.	Critendon Drlg. Service, Inc.	1982	422	16,12	100	262 - 412	CHCT	112	68 78	07/28/82 02/11/87	I	700	86	D
JY-65-26-201	R.E. Smith	Katy Drlg., Inc.	1956	575	20,12	300	200 - 575	CHCT	90	66.30	03/07/86	U	--	--	--
JY-65-26-202	Dickerson	A.A. Wuensch	1957	305	12	--	--	--	89	50.02 63.78 63.66	01/13/69 03/07/86 02/10/87	U	1,400	--	--
JY-65-26-403	Quanex	Layne-Texas Co.	1956	875	12,6	100	692 - 859	CHCT, EVGL	103	100.40 92.99	03/07/86 02/16/87	N	608	--	Q
JY-65-26-406	Quanex	Layne-Texas Co.	1967	1,178	12	100	968 - 1,160	EVGL	103	136.20 135.35	03/07/86 02/16/87	N	524	--	Q
JY-65-26-407	Frito-Lay, Inc.	Critendon Drlg. Service, Inc.	1981	350	12,8	55	250 - 340	CHCT	109	70	11/18/81	N	700	57	D

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-26-408	Frito-Lay, Inc.	Critendon Drlg. Service, Inc.	1981	350	12,8	55	250 - 340	CHCT	109	70	10/30/81	N	700	47	D
JY-65-26-501	City of Rosenberg	Texas Water Wells, Inc.	1947	840	16,8	120	545 - 837	CHCT, EVGL	103	82.44 108.50	01/16/69 02/27/86	P	525	--	Q
JY-65-26-502	City of Rosenberg	Layne-Texas Co.	1951	979	14,8	143	629 - 966	CHCT, EVGL	103	81.56 108.10	01/16/69 02/18/87	P	750	--	Q
JY-65-26-503	City of Rosenberg	Katy Drlg., Inc.	1957	1,594	16,10	200	970 - 1,590	EVGL	103	99.10	01/16/69	P	2,232	--	Q
JY-65-26-601	City of Richmond	Abe Hardin	1953	448	14,8	30	317 - 447	CHCT	95	69.37 88.20	06/25/69 03/24/86	P	1,380	--	Q
JY-65-26-603	City of Richmond	Katy Drlg., Inc.	1959	518	16,10	130	342 - 514	CHCT	90	76.2 98.50 106	01/17/69 03/24/86 02/25/87	P	1,022	--	Q
JY-65-26-612	City of Richmond	Layne-Western Co., Inc.	1978	845	16,10	292	543 - 835	CHCT	82	94 112.50	06/ /78 03/24/86	P	2,026	74	D,Q
JY-65-26-613	Ft. Bend Country Club	Gertson Farm Partnership	1985	502	12	116	272 - 502	CHCT	92	72.63 70.80	03/07/86 02/13/87	I	1,000	--	Q
JY-65-26-614	Allied Concrete	G.S. Rhemann Water Well Service, Inc.	1983	554	6,4,2	24	503 - 554	CHCT	96	107	11/10/83	N	120	--	D
JY-65-26-812	City of Rosenberg	Texas Water Wells, Inc.	1967	1,313	12	195	810 - 1,310	EVGL	99	95.94 135.50	01/16/69 02/18/87	P	1,843	--	Q
JY-65-26-813	Lamar Consolidated Independent School District, Meyer Intermediate Shcool	Birdwell Water Well Service Co., Inc.	1985	937	6,2	42	888 - 930	EVGL	92	120 81.25	08/04/85 03/04/87	P	78	24	D

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-26-908	City of Rosenberg	Layne-Texas Co.	1986	1,565	20,26,14	280	950 - 1,565	EVGL	97	150 160	01/ /87 04/10/87	P	2,209	135	Q
JY-65-27-106	Pecan Grove M.U.D., Well No. 1	Layne-Texas Co.	1978	1,410	18,12	236	734 - 1,390	EVGL	84	165 163.50 171.59	06/27/78 03/05/86 03/03/87	P	1,500	77	D,Q
JY-65-27-107	Pecan Grove Associates, Well No. 1	G.S. Rhemann Water Well Service, Inc.	1978	314	8,6	53	261 - 313	CHCT	84	79 82.82 80.68	08/28/78 03/11/86 02/05/87	I	26	--	D
JY-65-27-108	Pecan Grove M.U.D., Well No. 2	Layne-Texas Co.	1983	540	8,6	80	450 - 530	CHCT	83	126 132.50 130.20	05/16/83 03/05/86 03/03/87	P	620	62	D,Q
JY-65-27-109	Lois Clark	Mahler Water Well Service, Inc.	1986	268	5,2	20	248 - 268	CHCT	84	65	06/16/86	I	100	15	D
JY-65-27-202	Texas Department of Corrections	J.B. Dunn	1956	90	16,12	47	43 - 90	CHCT	80	17.31 16.26	01/10/69 01/21/86	U	593	--	--
JY-65-27-203	R.E. Smith	J.B. Dunn	1956	73	16,12	46	26 - 72	CHCT	79	23.70 21.39	01/10/69 01/21/86	U	692	--	--
JY-65-27-204	Texas Department of Corrections	J.B. Dunn	1956	91	16	49	42 - 91	CHCT	83	13.82 16.26	01/10/69 01/21/86	U	519	--	--
JY-65-27-205	Texas Department of Corrections	J.B. Dunn	1956	86	12	39	47 - 86	CHCT	84	12.82 11.81	01/10/69 01/21/86	U	540	--	--
JY-65-27-207	Texas Department of Corrections	J.B. Dunn	1956	62	12	37	25 - 62	CHCT	80	9.13 6.92	01/10/69 01/21/86	U	593	--	--
JY-65-27-212	Robert Schumann	Ellis Water Well Drlg.	1971	329	4	10	319 - 329	CHCT	75	84	06/24/71	H	--	--	D

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-27-213	Ft. Bend County M.U.D. 69, Well No. 1	Alsay Inc.	1984	1,058	20,14	356	582 - 1,038	EVGL	78	169 161.50 161.37	10/15/84 03/12/86 02/25/87	P	1,500	39	D,E,Q
JY-65-27-214	Pioneer Concrete	B.J. Swinehart Co.	1982	423	4,2	15	408 - 423	CHCT	77	109	06/ /82	N	52	28	Q
JY-65-27-302	Fort Bend Utilities	Layne-Texas Co.	1944	1,565	16,8	169	1,260 - 1,560	EVGL	80	164 187 282	12/14/68 12/13/69 12/30/86	P	847	--	Q,W
JY-65-27-303	Fort Bend Utilities	Layne-Texas Co.	1958	876	18,10	194	503 - 865	CHCT, EVGL	80	123 203	12/13/69 12/30/86	I	1,599	--	Q,W
JY-65-27-305	Texas Department of Corrections	J.B. Dunn	1956	72	16	45	27 - 72	CHCT	83	25.40 34.90	07/01/69 01/21/86	U	450	--	--
JY-65-27-306	Texas Department of Corrections	J.B. Dunn	1956	100	16	45	55 - 100	CHCT	73	20.12 20	01/10/69 01/21/86	U	1,027	--	--
JY-65-27-307	Texas Department of Corrections	J. Siegert and Sons	1958	83	16	30	53 - 83	CHCT	73	16.79 17.28	01/10/69 01/21/86	U	1,180	--	--
JY-65-27-308	Texas Department of Corrections	J. Siegert and Sons	1958	104	16	43	46 - 104	CHCT	76	20.15 17.69	01/10/69 01/22/86	U	1,321	--	--
JY-65-27-313	Fort Bend Utilities	Layne-Texas Co.	1941	726	16,10	180	501 - 721	CHCT	77	203	12/30/86	I	--	--	Q,W
JY-65-27-319	Venetian Estates	Layne-Texas Co.	1968	190	16	123	33 - 184	CHCT	70	9	05/01/68	I	1,067	28	D
JY-65-27-320	Signal Oil Co.	Lowry Water Wells	1968	219	4,2	10	205 - 215	CHCT	75	84	10/31/68	N	--	--	D
JY-65-27-321	Brazos River Authority	Layne-Western Co., Inc.	1974	302	6,4	40	240 - 280	CHCT	75	81 105.42	02/ /74 02/04/87	N	--	--	D

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-27-322	Texas Department of Corrections, Central Unit	Layne-Texas Co.	1975	407	16,6	62	321 - 395	CHCT	77	89 109.40 107	01/20/75 03/06/86 02/04/87	P	448	23	D,Q
JY-65-27-323	Ft. Bend County M.U.D. 13, Well No. 3	Layne-Texas Co.	1982	1,070	24,18	315	625 - 1,055	EVGL	70	198 192.20 189.10	05/12/82 03/05/86 02/25/87	P	2,464	81	D,E,Q
JY-65-27-324	Ft. Bend Utilities, Well No. 10	Layne-Texas Co.	1985	1,025	20,14	195	660 - 1,010	EVGL	81	231 230 240	08/19/85 01/15/86 12/30/86	N	1,507	73	D,E,Q
JY-65-27-405	J. C. Wessendorf	Hardin Water Wells	1972	85	10	20	65 - 85	CHCT	75	36	01/02/72	I	--	--	D
JY-65-27-504	Plantation M.U.D., Well No. 1	Water Resources of Texas	1978	809	16,10	290	509 - 799	CHCT	81	114 132.20 135.50	06/15/78 03/26/86 02/05/87	P	1,000	45	D,Q
JY-65-27-505	Plantation M.U.D., Well No. 2	Landford Drlg. Co., Inc.	1980	840	16,10	198	582 - 830	CHCT, EVGL	80	150 141.70	10/14/80 03/26/86	P	1,000	67	D,E,Q
JY-65-27-601	Texas Department of Corrections	J.B. Dunn	1956	86	16	45	41 - 86	CHCT	73	30.79 30.17	01/10/69 01/22/86	U	1,027	--	--
JY-65-27-602	Texas Department of Corrections	J. Siegert and Sons	1958	83	16	35	48 - 83	CHCT	73	27.45 31.5	01/10/69 01/21/86	U	1,283	--	--
JY-65-27-603	Texas Department of Corrections	J.B. Dunn	1956	78	16	45	33 - 78	CHCT	71	29.80 29.89	01/10/69 01/22/86	U	505	--	--
JY-65-27-607	Agnes Booth	Abe Hardin	--	200	4	--	--	CHCT	70	60.27 30.17	01/25/69 01/22/86	U	--	--	--
JY-65-27-609	Greystone Construction Co.	Bussell and Son, Inc.	1985	463	8,6	40	423 - 463	CHCT	71	145	07/31/85	I	300	41	D,Q

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-27-704	Ft. Bend County, Road and Bridge Maintenance	--	1986	245	4	--	--	CHCT	83	100.20	03/04/87	P	--	--	--
JY-65-27-901	A.E. Myers	Layne-Texas Co.	1944	720	6	47	627 - 674	CHCT	70	99.6 149.33 147.85	01/09/69 01/23/86 02/05/87	U	100	--	--
JY-65-28-102	City of Cities M.U.D., Sugar Creek, Well No. 1	Layne-Texas Co.	1970	900	16,10	199	519 - 884	EVGL	75	148 215.50	05/07/70 02/10/87	P	1,100	62	D,Q
JY-65-28-103	City of Cities	Layne-Texas Co.	1973	995	16,10	215	580 - 980	CHCT, EVGL	71	168	01/22/74	P	1,218	64	Q
JY-65-28-104	Ft. Bend County M.U.D. 12, Well No. 1	Layne-Western Co., Inc.	1976	1,658	24,18,14	433	695 - 1,658	CHCT, EVGL	68	185 217.70 217.50	09/09/76 03/05/86 02/25/87	P	3,000	107	Q
JY-65-28-105	Ft. Bend County M.U.D. 13, Well No. 2	Layne-Texas Co.	1982	1,105	24,18	335	630 - 1,090	CHCT, EVGL	68	203 200.50	07/01/82 02/25/87	P	2,464	92	D,E,Q
JY-65-28-106	Land and Water Ammenities	Robinson Water Well Service, Inc.	1982	501	5,2	60	441 - 501	CHCT	70	170	08/13/82	I	--	--	D
JY-65-28-107	Greystone Construction Co.	Robinson Water Well Service, Inc.	1983	536	5,3,2	20	516 - 536	CHCT	71	--	--	I	--	--	D
JY-65-28-108	Kaneb Services	Bussell and Son, Inc.	1984	550	10,6	80	437 - 550	CHCT	70	184 196.08	11/28/84 02/03/87	P	426	35	D
JY-65-28-201	Fort Bend Co. W.C.I.D. 2	Layne-Texas Co.	1954	690	14,8	116	569 - 680	CHCT	82	160.95 251.85	03/15/68 03/02/87	P	503	--	--

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-28-202	Fort Bend Co. W.C.I.D. 2	---	1956	1,690	16,8	200	1,120 - 1,670	EVGL	82	194.36 284	03/15/68 03/20/87	P	1,016	--	--
JY-65-28-207	Meadow Creek M.U.D.	Layne-Texas Co.	1974	1,130	14,8	200	685 - 1,111	CHCT, EVGL	72	200 255.14	12/18/74 03/06/86	P	818	49	D,Q
JY-65-28-208	Quail Valley U.D., Well No. 3	Layne-Texas Co.	1978	1,325	20,12	370	725 - 1,305	EVGL	70	217 259.80 245.70	04/10/78 03/06/86 02/11/87	P	2,411	110	D,Q
JY-65-28-209	Ft. Bend County W.C.I.D. 2	Alsay-Pippin Corp.	1980	1,433	--	298	908 - 1,428	EVGL	77	282	08/04/80	P	2,151	54	D
JY-65-28-210	First Colony M.U.D. 9, Well No. 1	Layne-Texas Co.	1984	1,205	30,24,18	320	720 - 1,190	EVGL	65	233 232.50 225.87	07/14/84 03/06/86 02/25/87	P	2,023	68	D,E,Q,W
JY-65-28-211	Ft. Bend County M.U.D. 42, Well No. 1	Alsay Inc.	1984	1,092	20,12	302	628 - 1,072	EVGL, CHCT	67	255.78	10/23/84	P	1,500	48	D,E,Q
JY-65-28-212	R. M. Moeckek	Harding	--	300	--	--	--	CHCT	82	--	--	H	--	--	Q
JY-65-28-213	5th Street Grocery	Geophysical Drlg., Inc.	1986	352	5,2	18	334 - 352	CHCT	76	142	08/10/86	P	50	--	D
JY-65-28-308	United Gas Company	Layne-Texas Co.	1951	300	4	20	280 - 300	CHCT	72	108.88 137.30	12/04/68 02/04/87	U	--	--	--
JY-65-28-309	Blue Ridge M.U.D., Chasewood, Well No. 1	Layne-Texas Co.	1969	1,032	14,8	140	770 - 1,020	EVGL	70	189 246.57	05/31/69 01/07/87	P	1,100	94	D,Q,W
JY-65-28-310	Willowisp Country Club	Bussell and Son, Inc.	1971	504	6,4	--	--	CHCT	72	125	10/15/71	I	--	--	D

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-28-311	City of Houston, Sims Bayou, Well No. 6	Texas Water Wells, Inc.	1974	1,200	24,14	448	656 - 1,182	EVGL	67	218.48 325.02	12/12/74 01/07/87	P	2,500	--	Q,W
JY-65-28-312	Blue Ridge West M.U.D.	Water Resources of Texas	1975	1,256	16,10	194	894 - 1,224	EVGL	75	213 289.50 273.95	03/28/75 03/13/86 02/20/87	P	1,461	73	Q
JY-65-28-313	Ft. Bend County M.U.D. 26	Layne-Western Co., Inc.	1980	1,190	16,10	--	800 - 1,180	EVGL	80	274 271.50	06/30/80 02/11/87	P	1,230	38	D,Q,W
JY-65-28-314	Ft. Bend County M.U.D. 26	Bussell and Son, Inc.	1979	403	8,5	75	328 - 403	CHCT	80	34	11/07/79	P	308	31	D,Q
JY-65-28-315	Blue Ridge West M.U.D., Well No. 1	Layne-Texas Co.	1980	1,155	16,10	200	770 - 1,140	EVGL	75	260 274.40	02/04/80 03/13/86	P	1,248	298	Q
JY-65-28-317	Willowisp Country Club	Bussell and Son, Inc.	1981	509	6,4	35	412 - 509	CHCT	73	150 142	05/24/81 02/05/87	I	190	47	D,Q
JY-65-28-318	Sisters of Our Lady of Mt. Caramel	Ellis Water Well Drlg.	1985	113	4	10	103 - 113	CHCT	77	18 18.60	06/08/85 04/14/86	I	23	--	Q
JY-65-28-401	Exxon	L. Patterson, Inc.	1955	711	6,4	26	684 - 710	CHCT	68	183.64 181.78	02/12/86 02/04/87	U	80	--	--
JY-65-28-406	Ft. Bend County M.U.D. 12	Layne-Western Co., Inc.	1976	1,664	18,14	--	689 - 1,652	EVGL	65	179	09/ /76	P	3,544	315	D,Q
JY-65-28-501	Exxon	L. Patterson, Inc.	1945	448	4	20	426 - 446	CHCT	67	120.40 178	01/23/69 02/04/87	U	--	--	W
JY-65-28-504	R. T. Herrin	American Drlg. Co.	1971	104	6	10	94 - 104	CHCT	62	10	07/12/71	I	--	--	D

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-28-505	Thunderbird U.D., Well No. 3	Texas Water Wells, Inc.	1972	1,074	10	172	632 - 1,068	EVGL, CHCT	69	343	11/ /72	P	1,266	--	D
JY-65-28-506	Quail Valley U.D., Well No. 1	Layne-Texas Co.	1969	1,200	12,6	120	1,020 - 1,185	EVGL	70	155 245.60	07/17/69 03/06/86	P	524	85	D
JY-65-28-507	Thunderbird U.D.	Layne-Texas Co.	1976	1,167	14,8	122	1,007 - 1,150	EVGL	65	205	01/26/77	P	863	84	D,Q
JY-65-28-508	Quail Valley U.D., Well No. 2	Layne-Western Co., Inc.	1977	1,320	18,12	374	752 - 1,300	EVGL	70	214 236	05/ /78 02/11/87	P	1,500	273	D,Q,W
JY-65-28-509	Palmer Plantation M.U.D. 1, Well No. 1	Layne-Texas Co.	1983	1,225	16,10	300	715 - 1,210	EVGL	67	220 228.30 223.70	05/26/83 03/06/86 02/11/87	P	1,313	56	D,E,Q
JY-65-28-510	Ft. Bend County M.U.D. 46, Well No. 1	Layne-Texas Co.	1985	1,065	16,10	280	660 - 1,050	EVGL, CHCT	66	238	06/09/85	P	1,005	50	D,E,Q
JY-65-28-511	Palmer Plantation	Bussell and Son, Inc.	1984	500	6	--	--	CHCT	67	95	02/24/87	I	--	--	Q
JY-65-28-603	Quail Valley U.D., Well No. 2	Texas Water Wells, Inc.	1972	1,077	12	202	620 - 1,056	EVGL	75	180 261.85	06/ /72 03/06/86	P	1,500	41	D,Q
JY-65-28-604	Thunderbird U.D., Thunderbird North	Water Resources of Texas	1975	1,308	14,8	332	626 - 1,299	CHCT, EVGL	75	202	06/24/75	P	757	30	Q
JY-65-28-605	Ft. Bend County M.U.D. 45	Layne-Western Co., Inc.	1983	1,000	14,8	--	706 - 1,000	EVGL	72	243 243.50 238.83	11/ /83 03/13/86 02/03/87	P	725	30	D,Q
JY-65-28-606	Houston International Teleport, Inc.	Raymond Water Wells	1985	80	6,4	20	60 - 80	CHCT	85	30	04/11/85	N	27	5	D

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-28-702	Glen R. Shultz	Almeda Water Well Service	1974	247	4,2	10	236 - 246	CHCT	65	68	05/16/75	H	--	--	D,Q
JY-65-28-703	Lee M. Brawner	Almeda Water Well Service	1973	300	--	--	--	CHCT	65	--	--	H	--	--	Q
JY-65-28-704	John B. Hasty	Ellis Water Well Drlg.	1976	233	4	10	223 - 233	CHCT	65	62	11/20/76	H	--	--	D,Q
JY-65-28-705	Robert C. Newton	Ellis Water Well Drlg.	1976	237	4,2	10	227 - 237	CHCT	66	61	02/08/76	H	--	--	D,Q
JY-65-28-706	Newberne	Ellis Water Well Drlg.	1976	250	4	10	240 - 250	CHCT	64	64	11/13/76	H	--	--	D,Q
JY-65-28-707	Charles J. Shuman	Ellis Water Well Drlg.	1976	303	4	10	293 - 303	CHCT	60	66	08/21/76	H	--	--	D,Q
JY-65-28-708	Bill Cayan	Ellis Water Well Drlg.	1974	239	2	12	227 - 239	CHCT	62	65	01/21/74	H	--	--	D,Q
JY-65-28-709	Drake Williams	Ellis Water Well Drlg.	1976	303	4	10	293 - 303	CHCT	63	64	04/15/76	H	--	--	D,Q
JY-65-28-710	Peter Mellan	Ellis Water Well Drlg.	1976	242	4	10	232 - 242	CHCT	66	64	07/06/76	H	--	--	D,Q
JY-65-28-711	Arthur Kennedy	Ellis Water Well Drlg.	1976	243	4	10	233 - 243	CHCT	66	61	02/11/76	H	--	--	D,Q
JY-65-28-712	Charles J. Shuman	Ellis Water Well Drlg.	--	520	4	--	--	CHCT	67	--	--	H	--	--	Q
JY-65-28-803	Christianson and Matthews	L. Patterson Inc.	1946	420	4	--	--	CHCT	60	62.89 90.08	01/27/69 01/29/87	U	--	--	W

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-28-808	Hurricane Steel Industries	Wellco Water Well Drlg. Co.	1970	560	4,2	20	540 - 560	CHCT	60	110	07/11/70	N	--	--	D
JY-65-28-809	Champlin Petroleum	O'Day Drlg. Co., Inc.	--	296	4	--	--	CHCT	57	78.36	02/13/87	S	--	--	--
JY-65-28-902	Waterbrook	Almeda Water Well Service	1979	72	6	10	62 - 72	CHCT	60	4 6.27	08/21/79 04/14/86	I	200	--	D
JY-65-28-903	Bill Senior	Almeda Water Well Service	1980	80	6	10	70 - 80	CHCT	56	8	09/05/80	I	250	--	D
JY-65-28-904	C. E. Shuman	Ellis Water Well Drlg.	1978	239	4	10	229 - 239	CHCT	61	65	02/28/78	H	20	--	Q
JY-65-29-101	D.W. Black	Layne-Texas Co.	1945	820	18,12	450	240 - 800	CHCT	70	130.34	01/17/74	U	2,200	--	W
JY-65-29-104	City of Houston, Mayfair Park	Layne-Texas Co.	1960	910	--	130	735 - 895	EVGL	65	191.14 298	01/09/69 01/ /87	P	720	--	Q,W
JY-65-29-107	City of Houston, Chasewood, Well No. 2	Layne-Texas Co.	1979	1,220	18,12	250	750 - 1,205	EVGL	70	294 315.20 288.84	11/06/79 03/25/86 01/28/87	P	1,500	53	Q
JY-65-29-109	City of Houston, Ridgemont, Well No. 2	Alsay-Texas Corp.	1982	1,220	18,12	426	650 - 1,204	EVGL	66	293.50	03/25/86	P	2,500	--	D,Q
JY-65-29-110	C. Bratton	--	1976	110	2	--	--	CHCT	68	--	--	H	--	--	Q
JY-65-29-209	City of Houston, Ridgemont, Well No. 1	Layne-Texas Co.	1969	1,050	14,8	140	766 - 1,035	EVGL	65	211 270.40 272	09/11/69 03/25/86 01/28/87	P	1,100	87	D,Q
JY-65-29-401	United Salt Corp.	McMasters and Pomeroy	1948	488	6	20	468 - 488	CHCT	74	208	11/ /67	N	250	--	Q

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-29-405	Blue Ridge Elementary School	Layne-Texas Co.	1968	565	8	35	518 - 553	CHCT	72	193 256.15 253	08/ /68 02/07/86 01/28/87	U	105	--	--
JY-65-29-407	Houston Gun Club	--	1956	100	4	10	90 - 100	CHCT	68	13.26 14.10	11/21/68 02/07/86	I	--	--	Q
JY-65-29-515	Witco Chemical Corp.	B.J. Swinehart Co.	1969	618	4,2	16	579 - 595	CHCT	65	204	09/16/69	N	--	--	D
JY-65-29-516	Heat Exchangers, Inc.	Almeda Water Well Service	1971	365	6,4	20	345 - 365	CHCT	65	128 144	01/28/71 02/07/86	N	--	--	D,Q
JY-65-29-517	Witco Chemical Corp.	H&H Water Well Drlg.	1972	596	6,4	15	581 - 596	CHCT	66	220 244.85	05/05/72 02/26/87	N	--	--	D
JY-65-29-518	Witco Chemical Corp.	Almeda Water Well Service	1980	379	6,4	20	353 - 375	CHCT	65	155	08/05/80	N	300	--	D
JY-65-29-701	Julia Tague	Gray-Wolf	1945	459	4	--	--	CHCT	65	78.87 108.62	01/27/69 02/03/86	U	--	--	W
JY-65-29-705	W. E. Gantenbien	Almeda Water Well Service	1973	588	4,2	19	441 - 468	CHCT	70	95	06/08/73	H	--	--	D,Q
JY-65-29-706	Ft. Bend County M.U.D. 23, Well No. 1	Layne-Texas Co.	1984	1,320	20,14	300	880 - 1,320	EVGL	72	229 228.70 225.30	04/27/84 03/13/86 02/20/87	P	1,632	57	D,E,Q
JY-65-29-812	Bud Romine	Almeda Water Well Service	1974	173	8,4	29	141 - 173	CHCT	70	14 16.63	05/10/74 02/06/86	I	300	--	D
JY-65-29-813	Fresno Fire Department	Almeda Water Well Service	1981	75	8,6	20	65 - 75	CHCT	70	12	11/24/81	N	100	--	D,Q
JY-65-29-814	Pastuch	Chaffin Water Wells	1983	402	4	20	382 - 402	CHCT	72	116	09/07/83	H	75	--	Q

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-29-815	Pastuch	Pastuch	--	65	2	--	--	CHCT	73	--	--	I	--	--	Q
JY-65-33-101	Kubala	G.K. Dunn	1958	277	12	--	--	CHCT	107	44.05	01/14/86	I	1,200	--	--
JY-65-33-102	Edwin Stasney	Lee Capps	1957	259	12	--	--	CHCT	101	44.49	01/13/86	I	--	--	--
JY-65-33-103	E. Pitts	American Water Well Co.	1958	301	12	--	--	CHCT	101	38.60 44.64	11/16/68 01/13/86	I	--	--	--
JY-65-33-110	Kramer Brothers	Leonard W. Mickelson	1980	577	16	399	176 - 575	CHCT	106	40	11/ /80	I	--	--	D
JY-65-33-111	Edwin Stasney	--	--	100	2	--	--	CHCT	103	--	--	H	--	--	Q
JY-65-33-209	Hudson Products Co.	Layne-Texas Co.	1970	1,061	10,6	80	900 - 1,045	EVGL	100	63	08/26/70	N	323	34	D,Q
JY-65-33-304	City of Beasley	Texas Water Wells, Inc.	1972	955	6	102	808 - 950	EVGL	106	251	11/ /72	P	351	--	D,Q
JY-65-33-405	Kendleton-Prude Water Supply	Katy Drlg., Inc.	1969	571	8,4	54	512 - 566	CHCT	98	37	09/13/69	P	205	99	D,Q
JY-65-33-406	Elizabeth Dillard	Willie Paser	--	100	2	--	--	CHCT	96	--	--	H	--	--	Q
JY-65-33-501	Jack Wendt	Layne-Texas Co.	1948	376	22	250	126 - 376	CHCT	97	42.64 52.16	01/23/69 02/21/84	I	--	--	W
JY-65-33-502	Jack Wendt	--	1948	590	18	--	--	CHCT	95	45.55	03/20/87	I	2,125	--	W
JY-65-33-503	Jack Wendt	Weinberger	1947	240	14	--	--	CHCT	95	40.98 50	01/23/69 01/14/86	I	--	--	W
JY-65-33-504	Jack Wendt	Michelson	1947	403	18,12,10	285	112 - 397	CHCT	95	40.70 47.70	01/23/69 02/18/87	I	1,500	--	W
JY-65-33-509	Jack Wendt	Katy Drlg., Inc.	1971	623	20,12	503	120 - 623	CHCT	96	54 54.14	03/24/71 01/15/86	I	3,702	38	D,W

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-33-510	Jack Wendt	Katy Drlg., Inc.	1972	591	20,12	421	170 - 591	CHCT	95	52 45.03	04/25/72 03/20/87	I	3,088	44	D,W
JY-65-33-511	Jack Wendt	--	--	97	2	--	--	CHCT	93	--	--	S	--	--	Q
JY-65-33-609	Clarence Danklefs	Katy Drlg., Inc.	1970	594	20,12	394	200 - 594	CHCT	96	74	06/ /70	I	4,000	57	D
JY-65-33-610	Alboa Grass Farm	O.T. Davis and Sons	1973	248	--	97	150 - 247	CHCT	96	45.19	04/09/86	I	--	--	D
JY-65-33-611	T. W. Sod, Ltd.	Critendon Drlg. Service, Inc.	1984	169	6	60	108 - 168	CHCT	97	48	04/18/84	I	320	15	D,Q
JY-65-33-612	T. W. Sod, Ltd.	Critendon Drlg. Service, Inc.	1984	169	6	60	108 - 168	CHCT	97	48	04/23/84	I	320	15	D
JY-65-33-801	Jack Wendt	Katy Drlg., Inc.	1952	564	20,12	185	317 - 502	CHCT	92	41.63 47.81	01/23/69 03/20/87	I	2,000	--	Q,W
JY-65-33-906	Alboa Grass Farm	O.T. Davis and Sons	1972	285	14	165	120 - 285	CHCT	89	--	--	I	--	--	D
JY-65-33-907	D.F.G. Farms	Pesak Water Well Service	1984	195	6	50	145 - 195	CHCT	83	43	09/30/84	I	--	--	D,Q
JY-65-34-301	Max Mahlmann	A.A. Wuensch	1957	314	12	--	--	CHCT	85	37.95 46.05	01/15/69 01/27/86	I	1,400	--	--
JY-65-34-303	Max Mahlmann	L.W. Capp	1958	356	12	256	100 - 356	CHCT	78	26.48 33.78	01/15/69 01/29/86	I	1,200	--	--
JY-65-34-308	Max Mahlmann	L.W. Capp	1957	375	12	275	100 - 375	CHCT	86	36.63 43.98	01/15/69 01/29/86	I	1,200	--	--
JY-65-34-604	W.H. Gless	Katy Drlg., Inc.	1964	660	20,12	440	220 - 660	CHCT	74	60.13 63.06	01/23/69 02/18/87	I	--	--	W

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-34-612	Jerom E. Rainosek	Williams Water Well Service	1985	100	4	--	--	CHCT	81	21	07/05/85	H	60	4	Q
JY-65-34-701	City of Needville	Layne-Texas Co.	1948	435	14,8	70	307 - 417	CHCT	93	70.32 71.31	10/02/68 02/18/87	P	540	--	Q,W
JY-65-34-710	City of Needville	Layne-Texas Co.	1962	430	10,6	79	306 - 420	CHCT	91	67.53 64.46 65.07	10/02/68 01/16/86 02/18/87	P	430	--	--
JY-65-34-714	Tom Bosse	Critendon Drlg. Service, Inc.	1984	171	6	60	70 - 171	CHCT	80	--	--	I	--	--	D,Q
JY-65-34-812	Terry Webb	--	--	115	2	--	--	CHCT	87	--	--	H	--	--	Q
JY-65-34-901	Walter Gless	Michelson	1947	636	18,12,10	552	84 - 635	CHCT	73	49.0 39.56	01/23/69 01/16/86	U	1,590	--	W
JY-65-35-101	Gulf Oil Corp.	--	1936	86	6	--	--	CHCT	81	27.75 27.10	01/23/69 01/27/86	U	--	--	W
JY-65-35-102	Gulf Oil Corp.	--	1924	180	6	--	--	CHCT	81	26.11 30.13	01/23/69 02/18/87	U	--	--	W
JY-65-35-201	A.P. George Est.	Texas Water Wells, Inc.	1956	884	10,6	68	735 - 803	EVGL	75	85.80	01/27/86	U	--	--	Q
JY-65-35-302	Houston Lighting and Power Co.	Layne-Texas Co.	1956	702	18,10	80	540 - 790	CHCT	74	128	01/09/87	N	--	--	W
JY-65-35-303	Houston Lighting and Power Co.	Layne-Texas Co.	1956	803	18,10	202	457 - 790	CHCT, EVGL	72	85.18 123	01/20/69 01/09/87	N	1,016	--	W
JY-65-35-304	Houston Lighting and Power Co.	Texas Water Wells, Inc.	1967	853	14,8	203	453 - 836	CHCT, EVGL	70	115	01/09/87	N	1,200	--	W

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-35-306	Houston Lighting and Power Co., Well No. 4	Layne-Texas Co.	1975	851	24,14	200	460 - 832	CHCT, EVGL	70	120	10/22/75	N	1,500	58	D,Q
JY-65-35-307	Houston Lighting and Power Co., Well No. 6	Layne-Texas Co.	1979	850	24,14	255	400 - 835	EVGL	71	129	01/14/81	N	1,500	41	D,Q
JY-65-35-308	Houston Lighting and Power Co., Well No. 7	Alsay-Texas Corp.	1981	859	24,14	278	490 - 844	CHCT	70	115	06/07/79	N	2,030	40	D
JY-65-35-701	Jefferson Lake Sulphur Co.	Jefferson Lake Sulphur Co.	1953	285	12,10	--	--	CHCT	69	81.79 54.11	01/21/69 01/29/86	U	--	--	--
JY-65-35-702	Jefferson Lake Sulphur Co.	Katy Drlg., Inc.	1957	725	20,10	--	220 - 725	CHCT	67	25.70	01/30/86	U	1,800	--	--
JY-65-35-704	Jefferson Lake Sulphur Co.	Jefferson Lake Sulphur Co.	1929	556	12	15	247 - 262	CHCT	67	54.40	01/30/86	U	--	--	--
JY-65-35-707	Jefferson Lake Sulphur Co.	Jefferson Lake Sulphur Co.	1963	491	20,10	90	235 - 486	CHCT	67	112 64.50 62.42	01/06/69 01/29/86 02/26/87	U	922	--	--
JY-65-35-709	Jefferson Lake Sulphur Co.	Katy Drlg., Inc.	1966	505	20,10	90	344 - 494	CHCT	70	113 83.88	06/17/68 01/30/86	U	901	--	--
JY-65-35-710	Jefferson Lake Sulphur Co.	Katy Drlg., Inc.	1967	508	20,10	165	240 - 503	CHCT	68	104 69.15	06/12/68 01/30/86	U	1,022	--	--
JY-65-35-711	Jefferson Lake Sulphur Co.	Jefferson Lake Sulphur Co.	1961	497	20	90	407 - 497	CHCT	68	118.40 82.19 80.58	01/21/69 01/29/86 02/26/87	U	550	--	--

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-35-716	R. B. Hobbs	Katy Drlg., Inc.	1972	630	20,12	429	201 - 630	CHCT	72	90 51.20	11/13/72 01/26/86	I	2,030	40	D
JY-65-35-717	Jefferson Lake Sulphur Co., Well No. 12	J.L. Dickson	1974	520	20	--	328 - 520	CHCT	65	107 74.70 72.17	03/05/74 01/31/86 02/26/87	U	1,081	34	D
JY-65-35-801	Jefferson Lake Sulphur Co., Well No. 11	Katy Drlg., Inc.	1969	507	20,10	190	317 - 507	CHCT	67	115	11/ /69	U	1,012	161	D
JY-65-36-107	Virgil Boll	B.J. Swinehart Co.	1976	238	6,4	30	195 - 240	CHCT	60	52	07/ /76	H	--	--	D
JY-65-36-201	Chicago Corp.	L. Patterson, Inc.	1948	375	4	39	299 - 374	CHCT	58	76.75	02/13/87	U	--	--	--
JY-65-36-207	Chicago Corp.	L. Patterson, Inc.	1943	400	4	--	--	CHCT	58	87.07	02/13/87	U	--	--	--
JY-65-36-208	Champlin Petroleum	O'Day Drlg. Co., Inc.	1984	348	4	20	328 - 348	CHCT	62	80	12/08/84	H	60	--	--
JY-65-36-209	Champlin Petroleum	O'Day Drlg. Co., Inc.	1976	345	5,4	10	335 - 345	CHCT	58	79.50	02/13/87	U	60	--	D
JY-65-36-210	Texaco	O'Day Drlg. Co., Inc.	1987	345	4	--	--	CHCT	57	74.50	02/12/87	U	--	--	--
JY-65-36-508	W.P. Sweringen	--	1952	380	4	--	--	CHCT	56	56.94	01/12/87	N	--	--	Q
JY-65-36-510	Exxon Co., U.S.A., Thompson's Field Office, Well No. 1	W.B. Patterson	1976	493	4,2	50	443 - 493	CHCT	66	80 96.25	07/12/76 02/12/87	P	75	--	D
JY-65-37-103	Daniel Bly	Daniel Bly	1941	94	2	--	--	CHCT	61	--	--	I	--	--	Q
JY-65-37-201	Continental Homes Co.	Almeda Water Well Service	1973	69	6,4	12	56 - 68	CHCT	62	4	--	P	--	--	D

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-37-202	R. L. Cooper	Abner J. Joeblin	1978	40	2	6	34 - 40	CHCT	63	12	08/05/78	H	--	--	D
JY-65-41-305	Anton Rychlik	Crowell Drlg. Co.	1973	510	14,12	300	210 - 510	CHCT	76	--	--	U	--	--	D
JY-65-42-101	L. Krobot	B. Davis	1958	261	8	151	110 - 261	CHCT	78	40.65 41.59	01/09/86 01/29/87	I	--	--	--
JY-65-42-105	W.L. Gray	Katy Drlg., Inc.	--	1,200	18	--	--	CHCT	72	69.39 56.71 67.15	10/08/68 01/09/86 01/29/87	I	--	--	--
JY-65-42-206	Jack Wendt	Katy Drlg., Inc.	1968	1,082	20,14,12	898	184 - 1,082	CHCT, EVGL	81	85 87.12 86.20	01/20/68 01/09/86 01/29/87	I	3,992	--	Q
JY-65-42-207	J. Moore	Katy Drlg., Inc.	1967	1,105	20,12	810	295 - 1,105	CHCT, EVGL	82	83 83.90 84.20	01/ /68 01/09/86 01/29/87	I	3,000	--	Q
JY-65-42-301	C.A. Danklefs	Michelson	1940	545	20,12	--	--	CHCT	77	24.37 22.56 20.46	01/23/69 01/09/86 01/29/87	U	800	--	--
JY-65-42-302	C.A. Danklefs	Layne-Texas Co.	1944	556	20	304	64 - 551	CHCT	55	25.43 24.98	10/09/68 01/10/86	U	2,000	--	--
JY-65-42-304	A. Bosak	A. Bosak	1926	110	2	--	--	CHCT	76	20 24.37	10/30/68 01/10/86	U	--	--	--
JY-65-42-308	C.A. Danklefs	Layne-Western Co., Inc.	1975	1,180	20,12	837	343 - 1,180	CHCT, EVGL	75	102	09/02/75	I	4,175	70	Q
JY-65-42-309	A. G. Schultz and Sons, Inc.	Critendon Drlg. Service	1984	104	6	34	70 - 104	CHCT	72	32	05/16/84	I	200	--	D

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-42-310	Johnnie M. Mikel	--	--	100	2	--	--	CHCT	76	--	--	H	--	--	Q
JY-65-42-501	John M. Moore, Jr. Estate	Layne-Western Co., Inc.	1981	871	20,12	662	209 - 871	CHCT, EVGL	74	92 67.70	03/03/81 02/26/87	I	330	25	D
JY-65-43-101	C.A. Danklefs	Katy Drlg., Inc.	1956	1,195	20,12	880	275 - 1,195	CHCT, EVGL	76	73.38 93.18 87.53	01/10/69 01/07/86 01/29/87	I	--	--	W
JY-65-43-201	W. Gless & Beard	Katy Drlg., Inc.	1953	1,158	24,12	861	297 - 1,158	CHCT, EVGL	69	76.64	01/10/69	I	3,100	--	Q
JY-65-43-202	John Mahlmann	A.A. Wuensch	1957	212	12	--	150 -	CHCT	58	14.60 13.27	01/10/69 01/07/86	I	1,200	--	--
JY-65-43-204	Louis T. Nawara	Raymond Matula	1976	85	2	10	75 - 85	CHCT	63	20	03/11/76	H	--	--	Q
JY-65-43-205	Robert H. Beard	Griffith Water Well	1982	55	2	10	45 - 55	CHCT	69	--	--	S	15	--	Q
JY-65-43-207	Robert Nawara	Raymond-Matula	1976	94	2	--	--	CHCT	61	--	--	H	--	--	Q
JY-65-43-208	Fresh Herbs of Houston	Williams Water Well Service	1986	120	4	20	100 - 120	CHCT	65	24	02/25/86	I	100	3	Q
JY-65-43-301	J. Frank Jungman	Katy Drlg., Inc.	1953	1,155	20,12	--	286 -	CHCT, EVGL	71	80.56 105.97	01/10/69 01/07/86	I	--	--	--
JY-65-43-303	J. Herdman	--	--	120	2	--	--	CHCT	57	--	--	H	--	--	Q
JY-65-43-304	J. Herdman	--	--	100	4,2	--	--	CHCT	57	--	--	S	--	--	Q
JY-65-43-305	Robert H. Beard	Raymond Matula	--	90	2	--	--	CHCT	69	--	--	H	--	--	Q
JY-65-43-502	Robert Mueck	Bell Bottom Co.	1956	128	12	20	108 - 128	CHCT	54	17.22 17.27	01/13/69 01/07/86	I	--	--	--

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-65-43-504	C. and J. Gless	Katy Drlg., Inc.	1967	756	24	479	277 - 756	CHCT	56	69.34 92.93 80.10	01/10/69 01/09/86 01/29/87	I	2,050	--	--
JY-65-43-602	Unknown	--	1925	482	6	--	121 -	CHCT	57	73.10 91.68	01/23/69 01/07/86	U	--	--	W
JY-65-43-612	Albert McConnel	Raymond Matula	--	80	2	--	--	CHCT	53	--	--	H	--	--	Q
JY-65-43-613	A.R. Petkus	Raymond Matula	--	90	2	--	--	CHCT	53	--	--	H	--	--	Q
JY-65-43-614	Albert McConnel	Raymond Matula	1984	63	2	10	53 - 63	CHCT	54	21	10/07/84	S	18	--	Q
JY-65-44-101	J.Q. Vencil	Katy Drlg., Inc.	1959	874	20,12	660	216 - 874	CHCT, EVGL	59	61.71 94.92 92.59	01/09/69 01/29/86 01/29/87	I	2,240	--	--
JY-65-44-207	L.M. Rubly	Chaffin Water Wells	1985	300	4	10	290 - 300	CHCT	52	53	03/21/85	H	60	--	Q
JY-66-24-302	Jim Skipton	Bussell and Son, Inc.	1974	156	6,4	20	136 - 156	EVGL	117	22	07/12/74	H	--	--	D
JY-66-24-601	Valley Lodge	--	1963	227	12	--	--	CHCT	105	30.85	02/24/87	I	1,250	--	--
JY-66-24-609	R.R. McKinley	G.S. Rhemann Water Well Service, Inc.	1973	343	4,2	6	337 - 343	EVGL	113	38	03/31/73	I	--	--	Q
JY-66-32-301	A. Novak	E.I. Janik	1970	85	2	5	80 - 85	CHCT	123	45	04/24/70	H	--	--	Q
JY-66-32-602	L.M. Townely	Mahler Water Well Service, Inc.	1980	136	4,2	10	125 - 135	CHCT	122	--	--	H	18	8	Q
JY-66-32-806	Lee Hillmann	Prazak	1985	136	--	--	--	CHCT	118	--	--	H	--	--	Q
JY-66-32-902	Simon Kucera	American Water Co.	1958	304	12	--	--	CHCT	113	42.82 50.80	10/10/68 01/31/86	I	--	--	--

Table 2.--Records of selected wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well Screen: Total length (feet)	Well Screen: Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level: Below land surface datum (feet)	Water level: Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
JY-66-32-905	W. Duncan	American Water Co.	1957	270	12	--	--	CHCT	112	50.59 47.87 46.99	10/09/68 01/31/86 02/02/87	I	--	--	--
JY-66-32-906	Bay Ridge Christian College	Davis Water Wells	1967	115	10	40	75 - 115	CHCT	112	35.29	01/31/86	U	--	--	--
JY-66-32-912	Tilford Sulak	Richter Water Well Drlg.	1979	380	12	140	240 - 380	CHCT	111	47.50	01/31/86	I	--	--	D
JY-66-32-913	W. Graves, Jr.	Mahler Water Well Service, Inc.	1981	100	4	8	92 - 100	CHCT	117	35	02/09/81	H	18	8	Q
JY-66-40-202	J.F. Hitchcock	Chaffin Water Wells	1986	157	6	60	97 - 157	CHCT	116	42	04/09/86	I	500	--	Q
JY-66-40-304	Bay Ridge Christian College	Bill Janak	1964	115	4	10	105 - 115	CHCT	105	38.32	01/13/86	U	--	--	--
JY-66-40-307	Bay Ridge Christian College	Davis Water Wells	1967	324	14,12	145	179 - 324	CHCT	111	38.5 46.02 46.62	10/17/67 01/13/86 02/02/87	P	1,250	--	Q
JY-66-40-312	Della Roberts	Leonard W. Mickelson	1980	527	14,12	344	182 - 526	CHCT	115	45 48.05 47.37	09/ /80 01/13/86 02/02/87	I	--	--	D
JY-66-40-313	M.M. Adams	--	1981	150	4	--	--	CHCT	116	--	--	H	--	--	Q

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87

Well JY-65-10-810
Owner: Falcon Point
Driller: Bussell and Son, Inc.

Description	Thickness (feet)	Depth interval (feet)
Surface formation	18	0- 18
Sand, surface	5	18- 23
Clay, red	29	23- 52
Sand, fine	10	52- 62
Sand and gravel	100	62-262
Sand, broken and clay	144	262-406
Sand, medium, good	52	406-458
Clay, sandy	12	458-470
Sand, medium, good	20	470-490
Clay, soft	10	490 500
Rock	2	500-502
Clay, sandy	36	502-538
Sand, coarse, good	10	538-548
Clay and shale	16	548-564
Sand, coarse, good	10	564-574
Shale, blue	26	574-600
Sand, coarse, good	39	600-639
Shale with sand stringers	75	639-714
Shale, hard	29	714-743

Well JY-65-10-811
Owner: Fort Bend County Municipal Utility District 37, Well No. 1
Driller: Lanford Drilling Co., Inc.

Description	Thickness (feet)	Depth interval (feet)
Surface	3	0- 3
Clay	8	3- 11
Shale, sandy	4	11- 15
Shale	45	15- 60
Sand	25	60- 85
Shale	15	85-100
Sand	22	100-122
Shale	6	122-128
Sand	68	128-196
Shale	11	196-207

Well JY-65-10-811--Continued

Sand	78	207- 285
Shale, sandy	65	285- 350
Sand	30	350- 380
Shale, sandy	32	380- 412
Sand	50	412- 462
Shale	22	462- 484
Sand	20	484- 504
Shale	30	504- 534
Sand	20	534- 554
Shale	12	554- 566
Sand	44	566- 610
Shale	12	610- 622
Sand	24	622- 646
Shale	22	646- 668
Sand	22	668- 684
Shale	56	684- 740
Sand	30	740- 770
Shale	39	770- 809
Sand	116	809- 925
Shale	50	925- 975
Sand	37	975-1,012
Shale	54	1,012-1,066
Shale, sandy	24	1,066-1,090
Shale	75	1,090-1,165
Sand and sandy shale	17	1,165-1,182
Shale	30	1,182-1,212
Sand with shale streaks	28	1,212-1,240
Shale	67	1,240-1,307

Well JY-65-10-812
Owner: City of Katy, Well No. 5
Driller: Layne-Western Co., Inc.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	3	0- 3
Clay	15	3- 18
Sand, red	5	18- 23
Clay	3	23- 26
Sand	4	26- 30

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-10-812--Continued

Clay	47	30- 77
Sand	20	77- 97
Clay	23	97-120
Sand	50	120-170
Clay	20	170-190
Sand	13	190-203
Clay	10	203-213
Sand	63	213-276
Clay	3	276-279
Sand	7	279-286
Clay	26	286-312
Sand	12	312-324
Clay	11	324-335
Rock and sand	90	335-425
Clay	5	425-430
Sand	27	430-457
Clay	8	457-465
Sand	11	465-476
Clay	19	476-495
Sand and clay	105	495-600
Clay	26	600-626
Sand	16	626-642
Clay	33	642-675
Sand	11	675-686
Clay	39	686-725

Well JY-65-17-206
Owner: Richard A. Woods
Driller: Katy Drilling, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay	18	0- 18
Clay and sand streaks	7	18- 25
Clay	55	25- 80
Sand and gravel	43	80-123
Clay and sand streaks	33	123-156
Sand and gravel	44	156-200
Shale	25	200-225
Sand and gravel	15	225-240

Well JY-65-17-206--Continued

Clay, hard streaks	20	240-260
Sand and gravel	40	260-300
Sand, hard	10	300-310
Sand with hard streaks	28	310-338
Shale	195	338-533
Sand	50	533-583

Well JY-65-17-308
Owner: Stewart and Stevenson, Inc.
Driller: Katy Drilling, Inc.

Description	Thickness (feet)	Depth interval (feet)
Surface and clay	18	0- 18
Sand	19	18- 37
Clay	33	37- 70
Sand	14	70- 84
Clay	22	84-106
Sand and gravel	22	106-128
Clay	6	128-134
Sand and gravel	28	134-162
Clay	14	162-176
Sand	19	176-195
Clay	17	195-212
Sand and rock with small clay breaks	79	212-291
Clay	33	291-324
Sand and rock	30	324-354
Clay	18	354-372
Sand and rock	32	372-404
Clay, tough	57	404-461
Sand and rock	28	461-489
Clay	11	489-500
Sand and rock	15	500-515
Clay	26	515-541
Sand and rock	7	541-548
Clay	19	548-567
Sand and rock	56	567-623
Clay	9	623-632
Sand and rock	27	632-659
Clay	10	659-669

Well JY-65-17-308--Continued

Sand	42	669-711
Clay	15	711-726
Sand and rock	8	726-734
Clay	45	734-779
Sand	16	779-795
Clay	5	795-800

Well JY-65-17-505
Owner: Fort Bend County Municipal Utility District 81
Driller: Bussell and Son, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay	26	0- 26
Sand and gravel	204	26-230
Clay, red	88	230-318
Clay, sandy	8	318-326
Sand	39	326-365
Rock streaks	5	365-370
Sand	12	370-382
Clay, sandy	8	382-390
Sand	50	390-440
Clay, stiff	4	440-444
Clay, sandy	6	444-450

Well JY-65-17-606
Owner: Stella Ranch
Driller: Katy Drilling, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay, surface	19	0- 19
Sand	21	19- 40
Clay and sand	18	40- 58
Sand	39	58- 97
Clay	7	97-104
Sand and gravel	126	104-230
Clay and sand	22	230-252
Sand and rock	116	252-368
Clay	11	368-379
Sand and rock	10	379-389
Clay	63	389-452

Well JY-65-17-606--Continued

Sand and rock	85	452-537
Clay	31	537-568
Sand and rock	81	568-649
Clay	123	649-772
Sand and rock	71	772-843
Clay	17	843-860
Sand	5	860-865
Clay	10	865-875

Well JY-65-17-607
Owner: Dennis Burke
Driller: G. S. Rhemann Water Well Service, Inc.

Description	Thickness (feet)	Depth interval (feet)
Gumbo, brown	6	0- 6
Loam, tan	2	6- 8
Gumbo, brown	62	8- 70
Sand, silty	85	70-155
Clay, tan	35	155-190
Sand, fine	40	190-230
Clay, cream	25	230-255
Sand, coarse	25	255-280

Well JY-65-17-612
Owner: Lamar Consolidated Independent School District, Huggins Elementary School
Driller: B. J. Swinehart Co., Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay	15	0- 15
Sand	13	15- 28
Clay	7	28- 35
Sand	10	35- 45
Clay	50	45- 95
Sand and gravel	140	95-235
Rock	3	235-238
Sand	12	238-250
Clay and rock streaks	26	250-276
Sand, rock and clay	47	276-323
Sand	23	323-346

Well JY-65-17-612--Continued

Clay	6	346-352
Sand	25	352-377
Clay	1	377-378

Well JY-65-18-112
Owner: Cardiff Brothers
Driller: Katy Drilling, Inc.

Description	Thickness (feet)	Depth interval (feet)
Surface and clay	28	0- 28
Sand	12	28- 40
Clay	21	40- 61
Sand	39	61- 100
Clay	15	100- 115
Sand, gravel and rock	82	115- 197
Clay	23	197- 220
Sand, hard rock	125	220- 345
Clay	18	345- 363
Sand, rock	33	363- 396
Clay	4	396- 400
Sand	5	400- 405
Clay	40	405- 445
Sand, rock	5	445- 450
Clay	47	450- 497
Sand, rock	159	497- 656
Clay	16	656- 672
Sand, rock	17	672- 689
Clay	39	689- 728
Sand	16	728- 744
Clay	16	744- 760
Sand, rock	29	760- 789
Sand, rock	69	789- 858
Clay	38	858- 896
Sand	3	896- 899
Sand	15	899- 914
Clay	70	914- 984
Sand	32	984-1,016
Sand and shale	37	1,016-1,053

Well JY-65-18-113
Owner: Stewart and Stevenson, Inc.
Driller: Katy Drilling, Inc.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	52	0- 52
Sand	34	52- 86
Clay	14	86-100
Sand	28	100-128
Clay	6	128-134
Sand, rocky with fine gravel	92	134-226
Clay	4	226-230
Sand with fine gravel	76	230-306
Clay	6	306-312
Sand, rocky with clay breaks	40	312-352
Clay and rock	7	352-359
Sand, rocky	22	359-381
Clay, soft with sand breaks	97	381-478
Sand and clay streaks	10	478-488
Clay	26	488-514
Sand, rock	14	514-528
Clay	16	528-544
Sand, rock	68	544-612
Clay	16	612-628
Sand, rock	14	628-642
Clay	76	642-718
Sand	15	718-733
Clay	21	733-754
Sand and rock	14	754-768
Clay	35	768-803

Well JY-65-18-207
Owner: E. K. Sanders
Driller: Katy Drilling, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay	15	0- 15
Sand	5	15- 20
Clay	98	20-118
Sand	22	118-140
Clay	17	140-157

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-18-207--Continued

Sand and gravel	78	157-235
Clay	35	235-270
Sand and clay strips	45	270-315
Sand and gravel	35	315-350
Clay	22	350-372
Sand	10	372-382
Clay	25	382-407

Well JY-65-18-304
Owner: Cinco Ranch
Driller: Layne-Western Co., Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay, surface	6	0- 6
Sand	18	6- 24
Clay	36	24- 60
Gravel and sand	20	60- 80
Clay	11	80- 91
Sand	8	91- 99
Clay	21	99-120
Sand	13	120-133
Clay	16	133-149
Sand	53	149-202
Clay	22	202-224
Sand and rock	32	224-256
Clay	14	256-270
Sand	45	270-315
Clay	5	315-320
Sand	77	320-397
Clay	7	397-404
Sand and broken sand	20	404-424
Sand and rock	35	424-459
Clay	11	459-470
Sand	7	470-477
Clay	18	477-495
Sand and rock	39	495-534
Clay	30	534-564
Shale, hard	4	564-568
Sand and rock	33	568-601

Well JY-65-18-304--Continued

Clay	44	601-645
Sand and rock	5	645-650
Clay	51	650-701
Sand and rock	34	701-735
Clay	7	735-741
Sand and rock	89	741-830
Clay	71	830-901
Sand	5	901-906
Clay	30	906-936
Sand and rock	31	936-967
Clay	5	967-972
Sand	9	972-981
Clay	7	981-988

Well JY-65-18-404
Owner: Hines Nursery, Inc.
Driller: Bussell and Son, Inc.

Description	Thickness (feet)	Depth interval (feet)
Topsoil and clay	4	0- 4
Sand	19	4- 23
Clay, red	7	23- 30
Clay, white	12	30- 42
Rock	2	42- 44
Sand	3	44- 47
Sand, fine and rock	7	47- 54
Sand, fine	19	54- 73
Clay, white	24	73- 97
Sand and gravel	126	97-223
Clay, white	57	223-280
Sand	6	280-286
Rock	2	286-288
Clay, very sandy	19	288-307
Rock	3	307-310
Sand, fine and rock	45	310-355
Sand	82	355-437
Rock ledges	13	437-450
Sand	48	450-498
Clay	30	498-528

Well JY-65-18-404--Continued

Sand	9	528- 537
Clay, sandy	6	537- 543
Sand	7	543- 550
Clay, creme	15	550- 565
Clay, sandy	15	565- 580
Clay	36	580- 616

Well JY-65-18-609
Owner: Fort Bend County Municipal Utility District 34
Driller: Layne-Western Co., Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay and sand	40	0- 40
Sand	31	40- 71
Clay	29	71- 100
Sand and rock	7	100- 107
Clay	64	107- 171
Sand	12	171- 183
Clay	3	183- 186
Sand and gravel	29	186- 215
Sand	225	215- 440
Clay	183	440- 623
Sand	22	623- 645
Clay	31	645- 676
Sand	6	676- 682
Clay	7	682- 689
Sand	18	689- 707
Clay	40	707- 747
Sand	19	747- 766
Clay	62	766- 828
Sand	112	828- 940
Clay	7	940- 947
Sand	6	947- 953
Clay	72	953-1,025
Sand	17	1,025-1,042
Clay	48	1,042-1,090
Sand	60	1,090-1,150
Clay	50	1,150-1,200

Well JY-65-18-609--Continued

Sand	90	1,200-1,290
Clay	18	1,290-1,308
Shale	37	1,308-1,345
Sand	83	1,345-1,428
Clay	72	1,428-1,500

Well JY-65-18-610
Owner: Tom Peckinpaugh
Driller: Mahler Water Well Service, Inc.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	5	0- 5
Clay, white	10	5- 15
Sand	10	15- 25
Clay, red	30	25- 55
Shale, white	15	55- 70
Sand	20	70- 90
Shale, blue	15	90- 105
Sand	5	105- 110
Shale, white	5	110- 115
Sand	25	115- 140
Shale	10	140- 150
Sand	65	150- 215
Sand and shale	30	215- 245
Sand	30	245- 275
Shale	5	275- 280
Sand and shale	25	280- 305
Sand	25	305- 330

Well JY-65-18-705
Owner: Bart Vickers
Driller: G. S. Rhemann Water Well Service, Inc.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	3	0- 3
Sand, tan	12	3- 15
Loam, tan	24	15- 39
Sand	24	39- 63
Rock	3	63- 66
Clay, tan	28	66- 94

Well JY-65-18-705--Continued

Gravel	9	94-103
Rock	1	103-104
Clay, reddish-brown	16	104-120
Sand	21	120-141
Rock	1	141-142
Clay, hard	8	142-150
Clay, rocky	6	150-156
Sand, hard	4	156-160
Sand, coarse	20	160-180

Well JY-65-18-706
Owner: Harrison Interests Ltd.
Driller: Mueller Well Service

Description	Thickness (feet)	Depth interval (feet)
Sand	9	0- 9
Clay, red	32	9- 41
Sand	13	41- 54
Gravel	11	54- 65
Sand and yellow clay	25	65- 90
Sand	22	90-112
Sand and gravel	24	112-136
Sandstone	1	136-137
Sand	38	137-175

Well JY-65-18-905
Owner: Jerry Lea
Driller: G. S. Rhemann Water Well Service, Inc.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	4	0- 4
Clay, brown	18	4- 22
Sand and gravel	23	22- 45
Clay, gray	10	45- 55
Sand and gravel	5	55- 60
Sandstone	1	60- 61
Clay, brown	23	61- 84
Sand	10	84- 94
Clay, brown	16	94-110
Clay, rocky	10	110-120

Well JY-65-18-905--Continued

Gravel and sand	18	120-138
Clay, brown	2	138-140
Sand, rocky	32	140-172
Stone layers	28	172-200
Clay, gray	16	200-216
Sand, coarse	44	216-260

Well JY-65-19-406
Owner: Castone Brick
Driller: Raymond Water Wells

Description	Thickness (feet)	Depth interval (feet)
Topsoil	2	0- 2
Clay, yellow	9	2- 11
Sand	14	11- 25
Clay, red and yellow	38	25- 63
Sand	29	63- 92
Clay, red and yellow	43	92-135
Sand	18	135-153
Clay, red	3	153-156
Sand	16	156-172
Clay, red and yellow	10	172-182
Sand	65	182-247

Well JY-65-19-510
Owner: Chelford City Municipal Utility District, Well No. 2
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	5	0- 5
Sand	22	5- 27
Clay	3	27- 30
Sand	5	30- 35
Clay	10	35- 45
Clay, sandy	15	45- 60
Sand and clay	8	60- 68
Clay	9	68- 77
Rock	2	77- 79
Sand and clay	7	79- 86
Clay	8	86- 94

Well JY-65-19-510--Continued

Sand and clay	118	94-212
Sand and shale	134	212-346
Sand	10	346-356
Sand and shale	34	356-390
Shale and sand	68	390-458
Sand	42	458-500
Shale	31	500-531
Sand	24	531-555
Shale	12	555-567
Sand	10	567-577
Shale	12	577-589
Shale, hard, sandy	55	589-644
Sand	6	644-650
Sand and shale	56	650-706
Shale and sand streaks	5	706-711
Sand, shale and lime	35	711-746
Shale	12	746-758
Sand and lime streaks	7	758-765
Shale	9	765-774
Sand	11	774-785
Sand, shale and lime	84	785-869
Sand	11	869-880

Well JY-65-19-511
Owner: Dunaway
Driller: Robinson Water Well Service, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay	15	0- 15
Sand	21	15- 36
Clay	127	36-163
Sand	37	163-200
Clay	40	200-240
Sand	53	240-293

Well JY-65-19-512
Owner: Dunaway
Driller: Robinson Water Well Service, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay	12	0- 12
Sand	62	12- 74
Clay	59	74-133
Sand	107	133-240
Clay	30	240-270
Sand	50	270-320
Clay	30	320-350
Sand	41	350-391

Well JY-65-19-513
Owner: Big Oak Municipal Utility District
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	2	0- 2
Clay	70	2- 72
Sand	31	72-103
Clay	13	103-116
Sand and gravel	156	116-272
Shale	34	272-306
Sand and shale streaks	34	306-340
Shale	20	340-360
Sand and shale streaks	46	360-406
Shale and sand streaks	11	406-417
Sand	38	417-455
Shale and lime streaks	37	455-492
Sand with few shale and lime streaks	94	492-586
Shale and lime streaks	17	586-603
Shale, sandy	34	603-637
Shale	5	637-642
Lime	15	642-657
Sand and lime streaks	34	657-691
Lime	6	691-697
Sand	20	697-717
Shale	23	740-740

Well JY-65-19-513--Continued

Sand	31	740- 771
Shale and sand streaks	81	771- 852
Sand and shale streaks	18	852- 870
Shale and sand streaks	50	870- 920
Sand and shale streaks	34	920- 954
Shale	34	954- 988
Sand and shale streaks	18	988-1,006
Shale	94	1,006-1,100

Well JY-65-19-601
Owner: John L. Dore Company
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	2	0- 2
Clay, yellow	4	2- 6
Clay, red	18	6- 24
Clay, yellow	26	24- 50
Clay, red and yellow	14	50- 64
Clay, red	20	64- 84
Clay, yellow	10	84- 94
Clay, gray sandy	31	94- 125
Clay, yellow	29	125- 154
Clay, gray	10	154- 164
Clay, sandy	13	164- 177
Gravel and sand	8	177- 185
Sand and gravel	11	185- 196
Sand and gravel, clay streaks and rock streaks	49	196- 245
Sand and gravel and clay streaks	8	245- 253
Clay and sandy clay	5	253- 258
Sand and gravel and clay streaks	47	258- 305
Rock and clay streaks	5	305- 310
Clay, sandy and clay	21	310- 331
Clay and gravel streaks	31	331- 362
Sand stone and clay streaks	21	362- 383
Clay and sandy clay	22	383- 405
Clay and few gravel streaks	28	405- 433
Clay and gravel	10	433- 443

Well JY-65-19-601--Continued

Clay and layers of gravel	13	443-456
Clay, sandy	7	456-463
Sand and gravel and clay streaks	21	463-484
Clay	3	484-487
Sand and gravel and clay streaks	7	487-494
Sand, fine	6	494-500
Clay and gravel	7	500-507
Rock	1	507-508
Sand, fine and few hard streaks	7	508-515
Clay and gravel	9	515-524
Sand and few streaks of clay	18	524-542
Clay	13	542-555

Well JY-65-19-603
Owner: Kingsbridge Municipal Utility District, Well No. 1
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Gumbo	7	0- 7
Clay	19	7- 26
Sand	9	26- 35
Clay	55	35- 90
Sand	32	90-122
Clay and sand streaks	24	122-146
Sand	39	146-185
Shale	17	185-202
Sand and shale	61	202-263
Rock	8	263-271
Shale	15	271-286
Shale and sand streaks	10	286-296
Shale	60	296-356
Shale and sand streaks	25	356-381
Sand	14	381-395
Shale	26	395-421
Shale and sand streaks	18	421-439
Sand and shale streaks	30	439-469
Shale	12	469-481
Shale, sandy and sand	49	481-530

Well JY-65-19-603--Continued

Sand and shale streaks	211	530-741
Shale	39	741-780
Sand and shale	74	780-854
Shale	9	854-863
Sand and shale streaks	54	863-917
Shale and sand streaks	61	917-978
Sand	4	978-982
Shale and sand streaks	62	982-1,044
Shale	100	1,044-1,144
Shale and sand	9	1,144-1,153
Sand and shale	31	1,153-1,184
Shale and sand streaks	111	1,184-1,295
Sand and shale	35	1,295-1,330
Shale and sand streaks	40	1,330-1,370
Sand and shale	60	1,370-1,430
Shale	20	1,430-1,450
Shale and sand	36	1,450-1,486
Shale	214	1,486-1,700

Well JY-65-19-604
Owner: Tree and Wood Disposal
Driller: G. S. Rhemann Water Well Service, Inc.

Description	Thickness (feet)	Depth interval (feet)
Gumbo	3	0- 3
Clay, tan	25	3- 28
Sand	7	28- 35
Clay	5	35- 40
Clay, tan and blue	20	40- 60
Sand	16	60- 76
Clay, red	4	76- 80
Clay, blue	10	80- 90
Sand, rocky	10	90- 100
Sand	26	100- 126
Clay, blue	6	126- 132
Rock and clay	10	132- 142
Sand	26	142- 168
Clay, red and blue	29	168- 197
Sand	43	197- 240

Well JY-65-19-606
Owner: North Mission Glen Municipal Utility District, Well No. 2
Driller: Alsay Incorporated

Description	Thickness (feet)	Depth interval (feet)
Topsoil	4	0- 4
Sand	13	4- 17
Clay, red	22	17- 39
Sand	19	39- 58
Clay, red	46	58- 104
Sand	16	104- 120
Clay, grayish white	10	120- 130
Sand and soft gravel	80	130- 210
Clay, gray	24	210- 234
Sand, hard	15	234- 249
Clay, gray	19	249- 268
Sand	22	268- 290
Sand with small clay streaks	24	290- 314
Clay, gray	30	314- 344
Sand	10	344- 354
Clay, gray	40	354- 394
Sand	50	394- 444
Clay, grayish white	20	444- 464
Sand	170	464- 634
Clay, grayish white	20	634- 654
Sand	20	654- 674
Clay, grayish white	20	674- 694
Sand	60	694- 754
Clay, grayish white	15	754- 769
Sand	45	769- 814
Clay, gray	20	814- 834
Sand	20	834- 854
Clay, tan	10	854- 864
Sand	40	864- 904
Clay, gray	110	904-1,014
Sand	30	1,014-1,044
Clay, gray	30	1,044-1,074
Sand	40	1,074-1,114
Clay, gray	30	1,114-1,144

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65--19-606--Continued

Sand, hard	10	1,144-1,154
Clay, gray	25	1,154-1,179
Sand	25	1,179-1,204
Clay, sandy	10	1,204-1,214
Sand with small clay streaks	160	1,214-1,374
Clay, gray and all hard sand streaks	20	1,374-1,394

Well JY-65-19-706
Owner: Pecan Grove Municipal Utility District 2, Well No. 1
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Clay, red	17	0- 17
Sand, coarse	49	17- 66
Shale	16	66- 82
Sand, coarse with gravel	40	82- 122
Clay, red with sand streaks	26	122- 148
Sand	9	148- 157
Gravel and sand streaks	44	157- 201
Shale, sandy	8	201- 209
Gravel	31	209- 240
Sand	7	240- 247
Shale	33	247- 280
Sand	52	280- 332
Shale	7	332- 339
Sand with shale streaks	48	339- 387
Shale	21	387- 408
Sand with shale streaks	36	408- 444
Shale	5	444- 449
Sand, coarse with gravel and shale streaks	109	449- 558
Shale, hard	16	558- 574
Shale, soft	21	574- 595
Sand	38	595- 633
Shale	8	633- 641
Sand and gravel	6	641- 647
Limestone	2	647- 649
Sand	36	649- 685
Shale, soft	17	685- 702

Well JY-65-19-706--Continued

Shale, sandy	17	702- 719
Shale and little gravel	17	719- 736
Sand	19	736- 755
Shale	24	755- 779
Sand	38	779- 817
Sand and lime streaks	8	817- 825
Lime, hard	2	825- 827
Shale, sticky	14	827- 841
Shale with sand streaks	13	841- 854
Sand with shale streaks	39	854- 893
Shale, sticky	14	893- 907
Shale, hard	7	907- 914
Shale, sandy	43	914- 957
Sand and shale streaks	13	957- 970
Shale	9	970- 979
Shale, sticky	10	979- 989
Shale, sandy	71	989-1,060
Sand	48	1,060-1,108
Shale	7	1,108-1,115
Sand with gravel and shale streaks	16	1,115-1,131
Shale	15	1,131-1,146
Shale, sandy and gravel	25	1,146-1,171
Shale	7	1,171-1,178
Shale, sandy with gravel	31	1,178-1,209
Sand	14	1,209-1,223
Shale, sandy	25	1,223-1,248
Sand	10	1,248-1,258
Shale, sandy	14	1,258-1,272
Shale	6	1,272-1,278
Sand	35	1,278-1,313
Shale	24	1,313-1,337
Sand	6	1,337-1,343
Shale	25	1,343-1,368
Shale, sandy	28	1,368-1,396
Sand	21	1,396-1,417
Shale	20	1,417-1,437
Sand	15	1,437-1,452
Shale	56	1,452-1,508

Well JY-65-19-807
Owner: Texas Department of Corrections, Beuford Jester Unit No. 5
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	2	0- 2
Clay, red	43	2- 45
Sand, coarse and gravel	140	45- 185
Clay	113	185- 298
Clay and sand streaks	86	298- 384
Sand, coarse and gravel	157	384- 541
Sand, coarse, gravel and clay with lime streaks	86	541- 627
Shale and sand streaks	46	627- 673
Sand	59	673- 732
Shale and sand streaks	18	732- 750
Sand	57	750- 807
Shale, sand, and gravel streaks	78	807- 885
Sand	22	885- 907
Shale and lime streaks	15	907- 922
Shale, lime, and sand	29	922- 951
Sand and shale streaks	80	951-1,031
Shale and lime	7	1,031-1,038
Shale and sand streaks	10	1,038-1,048
Sand	10	1,048-1,058
Shale, sandy	13	1,058-1,071
Sand	66	1,071-1,137
Shale	3	1,137-1,140
Sand and shale streaks	81	1,140-1,221

Well JY-65-19-809
Owner: Fort Bend County Municipal Utility District 25, Well No. 1
Driller: Water Resources of Texas

Description	Thickness (feet)	Depth interval (feet)
Unrecorded	500	0- 500
Shale, sandy	15	500- 515
Sand, good	145	515- 660
Sand and sandy shale	20	660- 680
Sand, good	60	680- 740
Shale, sandy	15	740- 755

Well JY-65-19-809--Continued

Sand, good	30	755- 785
Shale, sandy	30	785- 815
Sand, good	25	815- 840
Shale breaks, sandy	20	840- 860
Sand and sandy shale	20	860- 880
Shale breaks, sandy	70	880- 950
Shale, some hard	100	950-1,050

Well JY-65-19-904
Owner: Fort Bend County Water Control and Improvement District 4
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	4	0- 4
Clay	51	4- 55
Sand	10	55- 65
Clay,red	85	65- 150
Sand, coarse and fine gravel	52	150- 202
Shale, blue	17	202- 219
Sand, coarse and gravel	31	219- 250
Shale, gray	82	250- 332
Sand, sandy and shale	49	332- 381
Shale, sandy	17	381- 398
Sand	21	398- 419
Shale, brown and white	35	419- 454
Sand and sandy shale	32	454- 486
Shale and sand streaks	14	486- 500
Sand and fine gravel	57	500- 557
Shale	15	557- 572
Sand and hard sand	58	572- 630
Sand, hard and shale streaks	64	630- 694
Shale	26	694- 720
Sand	32	720- 752
Shale	16	752- 768
Sand	14	768- 782
Shale, sandy and sand	27	782- 809
Sand	26	809- 835
Shale, hard layers and streaks of sandy shale	55	835- 890

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-19-904--Continued

Sand, coarse and hard layers	32	890- 922
Sand, hard and coarse	21	922- 943
Shale	10	943- 953
Sand	27	953- 980
Shale, sandy and sand streaks	98	980-1,078
Shale and sand streaks	29	1,078-1,107
Shale and hard sand streaks	13	1,107-1,120
Shale	84	1,120-1,204
Shale and sandy shale	51	1,204-1,255
Sand and sandy shale	18	1,255-1,273
Shale, sandy	8	1,273-1,281
Sand, fine and shale breaks	56	1,281-1,337
Shale	39	1,337-1,376
Sand	5	1,376-1,381
Shale	16	1,381-1,397
Sand and sandy shale	18	1,397-1,415
Sand and streaks of shale	42	1,415-1,457
Sand, hard	15	1,457-1,472
Shale	37	1,472-1,509
Sand and sandy shale, rock and shale layers	91	1,509-1,600
Shale, blue and sand streaks	57	1,600-1,657
Sand, hard and shale	42	1,657-1,699
shale, sandy	11	1,699-1,710
Sand	39	1,710-1,749
Sand, broken	15	1,749-1,764
Shale	10	1,764-1,774

Well JY-65-19-905
Owner: Fort Bend County Municipal Utility Utility District 25, Well No. 2
Driller: Water Resources of Texas

Description	Thickness (feet)	Depth interval (feet)
Unrecorded	562	0- 562
Sand	94	562- 656
Shale	16	656- 672
Sand	30	672- 702
Shale	42	702- 744
Sand	44	744- 788

Well JY-65-19-905--Continued

Shale	10	788-798
Sand	42	798-840
Shale	16	840-856
Sand	58	856-914
Shale	10	914-924

Well JY-65-19-906
Owner: Fort Bend County Municipal Utility District 41, Well No. 1
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	1	0- 1
Clay	8	1- 9
Clay and sandy clay	2	9- 11
Sand and gravel streaks	30	11- 41
Sand and clay streaks	2	41- 43
Clay	5	43- 48
Clay and gravel	1	48- 49
Sand and gravel	4	49- 53
Clay	2	53- 55
Sand, gravel and clay streaks	3	55- 58
Clay	3	58- 61
Clay and sandy clay	2	61- 63
Sand	3	63- 66
Clay	10	66- 76
Sand	1	76- 77
Clay	2	77- 79
Sand and sandy clay streaks	3	79- 82
Clay	20	82-102
Sand	2	102-104
Clay	3	104-107
Clay and sandy clay streaks	28	107-135
Clay and lime streaks	5	135-140
Clay and sandy clay streaks	16	140-156
Gravel, clay and sandy clay	3	156-159
Sand and gravel	28	159-187
Clay and gravel streaks	4	187-191
Sand, gravel and lime streaks	32	191-223
Sand, gravel and clay streaks	9	223-232

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-19-906--Continued		
Sand and sandy clay	12	232-244
Sand and gravel streaks	15	244-259
Clay and sandy clay	15	259-274
Sand and clay streaks	9	274-283
Sand, gravel, and clay streaks	25	283-308
Clay and lime streaks	6	308-314
Clay	53	314-367
Clay, shale and sand streaks	8	367-375
Sand and gravel	64	375-439
Lime	1	439-440
Clay	12	440-452
Clay, sandy and sand streaks	48	452-500
Sand, gravel, and lime	30	500-530
Clay	5	530-535
Clay, sandy and sand streaks	26	535-561
Lime and sandstone	3	561-564
Lime, gravel, sand, and clay	16	564-580
Lime, clay, and sandstone	13	580-593
Sand, gravel and clay streaks	14	593-607
Sand, limestone, gravel and clay	30	607-637
Sand, clay and sandy clay streaks	13	637-650
Clay and lime streaks	10	650-660
Clay, lime and sand streaks	12	660-672
Clay, sandy, clay and lime	9	672-681
Sand, lime and clay streaks	27	681-708
Clay, sandy and lime streaks	17	708-725
Sand, lime and clay streaks	43	725-768
Lime	2	768-770
Clay, sandy with clay and lime streaks	10	770-780
Sand, sandy clay and lime streaks	6	780-786
Clay and lime streaks	8	786-794
Sand and sandstone	10	794-804
Sand, sandstone and clay streaks	23	804-827
Clay and sandstone	2	827-829
Sand, sandstone and clay	58	829-887
Clay, sandy clay and lime streaks	9	887-896
Clay, sandstone, sand streaks and gravel	9	896-905

Well JY-65-19-906--Continued		
Clay and sandy clay	8	905- 913
Clay and lime	21	913- 934
Clay and sandy clay streaks	4	934- 938
Clay	99	988-1,037
Clay and lime streaks	23	1,037-1,060
Clay, sandy, lime and clay streaks	18	1,060-1,078
Clay, lime and shale streaks	42	1,078-1,120
Shale and sand streaks	12	1,120-1,132
Shale and clay	19	1,132-1,151
Sand and shale streaks	11	1,151-1,162
Shale with clay and lime streaks	20	1,162-1,182
Clay	4	1,182-1,186
Clay, sandy clay, and sand	3	1,186-1,189
Sand and sandy clay streaks	4	1,189-1,193
Sand, sandy clay and clay streaks	8	1,193-1,201
Clay and sandy clay	16	1,201-1,217
Clay, sandy clay and sand streaks	3	1,217-1,220
Clay, lime and shale streaks	17	1,220-1,237
Clay, shale, lime and sandy clay streaks	11	1,237-1,248
Clay	1	1,248-1,249
Clay, sandy, clay and sand streaks	22	1,249-1,271
Clay	8	1,271-1,279
Clay, sandy clay and shale	5	1,279-1,284
Clay and lime streaks	11	1,284-1,295
Clay, shale, few sandy clay streaks	7	1,295-1,302
Clay and lime streaks	13	1,302-1,315
Clay and shale	30	1,215-1,345
Clay and sandy clay	2	1,345-1,347
Sand	3	1,347-1,350
Shale and clay streaks	8	1,350-1,358
Sand and sandy clay streaks	10	1,358-1,368
Clay, sandy clay, sand and broken shale	16	1,368-1,384
Clay, sandy clay and shale	14	1,384-1,398
Clay, sandy, sand and shale	35	1,398-1,433
Clay	14	1,433-1,447
Clay, tough	11	1,447-1,458
Sand and clay streaks	32	1,458-1,490

Well JY-65-19-906--Continued

Sand, lime and shale streaks	24	1,490-1,514
Lime, hard	4	1,514-1,518
Sand, lime and clay streaks	34	1,518-1,552
Clay, shale and sandy clay	16	1,552-1,568
Clay and shale streaks	12	1,568-1,580
Clay, tough	18	1,580-1,598
Clay and shale	28	1,598-1,626
Lime, hard	2	1,626-1,628
Clay and lime streaks	7	1,628-1,635
Clay and shale with few lime and sand streaks	4	1,635-1,639
Sand, lime and clay streaks	26	1,639-1,665
Clay, sandy clay and sand streaks	11	1,665-1,676
Clay and sandy clay streaks	9	1,676-1,685
Clay, sandy clay and sand streaks	13	1,685-1,698
Clay, lime and shale streaks	5	1,698-1,703
Clay, sandy clay, sand and lime streaks	16	1,703-1,719
Clay and lime streaks	28	1,719-1,747
Lime, hard and clay	4	1,747-1,751
Clay, sandy clay and lime streaks	4	1,751-1,755
Lime, hard and clay	5	1,755-1,760
Clay and lime streaks	45	1,760-1,805

Well JY-65-19-907
Owner: Fort Bend County Municipal Utility District 2, Well No. 1
Driller: Texas Water Wells, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay	105	0- 105
Sand	173	105- 278
Clay	37	278- 315
Sand	15	315- 330
Clay	70	330- 400
Sand	15	400- 415
Clay	25	415- 440
Sand	72	440- 512
Clay with sand streaks	38	512- 550
Sand	62	550- 612
Clay	6	612- 618

Well JY-65-19-907--Continued

Sand	10	618-628
Shale	28	628-656
Sand	14	656-670
Shale	8	670-678
Sand	24	678-702
Shale	5	702-707
Sand	10	707-717
Shale	11	717-728
Sand	20	728-748
Shale	14	748-762
Sand	62	762-824
Shale	28	824-852
Sand	10	852-862
Shale	10	862-872
Sand	20	872-892
Shale	20	892-912

Well JY-65-19-909
Owner: Gemstar Homes
Driller: O'Day Drilling Co., Inc.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	3	0- 3
Clay	28	3- 31
Sand	42	31- 73
Clay	32	73-105
Sand	99	105-204
Clay	14	204-218
Sand	39	218-257
Clay	23	257-280
Sand	65	280-345
Clay	35	345-380
Sand	20	380-400
Clay	3	400-403
Sand	35	403-438
Clay	32	438-470
Sand	6	470-476
Clay	11	476-487

Well JY-65-19-909--Continued

Sand	58	487-545
Clay	4	545-549

Well JY-65-19-910
Owner: Fort Bend County Municipal Utility District, Well No. 2
Driller: Layne-Western Co., Inc.

Description	Thickness (feet)	Depth interval (feet)
Surface	33	0- 33
Unrecorded	23	33- 56
Sand and clay	48	56-104
Sand	6	104-200
Clay and sand streaks	121	200-321
Sand and rock	35	321-356
Clay	49	356-405
Sand	15	405-420
Clay	7	420-427
Sand	36	427-463
Clay	2	463-465
Sand	12	465-477
Clay, hard	23	477-500
Sand and rock	27	500-527
Clay, hard	7	527-534
Sand	140	534-674
Clay	10	674-684
Sand and broken rock	110	684-794
Sand and clay	100	794-894
Sand streaks	13	894-907
Rock	2	907-909
Rock and broken sand	27	909-936
Clay and sand	23	936-959
Rock	13	959-972
Clay	22	972-994

Well JY-65-20-708
Owner: Fort Bend County Water Control and Improvement District 2
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Clay and sandy clay	33	0- 33
Clay and sand streaks	82	33-115
Sand	10	115-125
Shale, hard	31	125-156
Shale, sandy and sand streaks	34	156-190
Shale and hard streaks	30	190-220
Shale	8	220-228
Sand	62	228-290
Shale	20	290-310
Sand	29	310-339
Shale	8	339-347
Sand	23	347-370
Shale	8	370-378
Sand	13	378-391
Shale	9	391-400
Sand and shale streaks	30	400-430
Shale	4	430-434
Sand and gravel	27	434-461
Shale	14	461-475
Shale	29	475-504
Sand and gravel	70	504-574
Shale	14	574-588
Sand and shale breaks	20	588-608
Shale	10	608-618
Sand and sandy shale	31	618-649
Rock and hard shale	5	649-654
Sand and sandy shale	15	654-669
Shale	13	669-682
Sand and shale breaks	56	682-738
Shale, sandy and sand	16	738-754
Shale	16	754-770
Sand and shale streaks	27	770-797
Shale and sandy shale	18	797-815
Sand	37	815-852

Well JY-65-20-708--Continued

Sand and shale streaks	46	852- 898
Sand	53	898- 951
Shale	7	951- 958
Sand and gravel	120	958-1,078
Sand and gravel and shale	46	1,078-1,124
Shale, sandy and sand	18	1,124-1,142
Shale	104	1,142-1,246
Shale, sandy and sand streaks	33	1,246-1,279
Shale	78	1,279-1,357
Sand, shale and sand streaks	33	1,357-1,390
Sand, broken	16	1,390-1,406
Shale, sandy and sand	18	1,406-1,424
Sand and sandy shale	21	1,424-1,445
Shale	25	1,445-1,470
Sand and shale streaks	32	1,470-1,502
Shale	22	1,502-1,524
Sand	99	1,524-1,623
Shale	4	1,623-1,627
Sand	31	1,627-1,658
Shale and sand streaks	24	1,658-1,682
Shale	18	1,682-1,700

Well JY-65-20-709
Owner: The Meadows Municipal Utility District, Well No. 2
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	5	0- 5
Clay	20	5- 25
Sand	125	25- 150
Shale and few sand streaks	95	150- 245
Sand and shale streaks	184	245- 429
Shale	21	429- 450
Sand and shale streaks	80	450- 530
Sand and fine gravel	103	530- 633
Shale and sand streaks	47	633- 680
Sand and few shale streaks	100	680- 780
Shale	20	780- 800
Sand	23	800- 823

Well JY-65-20-709--Continued

Shale	17	823- 840
Shale, lime and sand streaks	78	840- 918
Sand, few shale and lime streaks	90	918-1,008
Shale and lime streaks	102	1,008-1,110

Well JY-65-20-710
Owner: The Baylor Company
Driller: Ellis Water Well Drilling

Description	Thickness (feet)	Depth interval (feet)
Soil, black	50	0- 50
Sand and gravel	20	50- 70
Clay, red	5	70- 75
Rock	1	75- 76
Clay, red	28	76- 104
Sand, fine	15	104- 119
Clay, red	128	119- 247
Gravel and sand	20	247- 267
Clay, red and red shale	34	267- 301
Sand, fine	7	301- 308
Clay, red and red shale	105	308- 413
Gravel and sand	39	413- 452

Well JY-65-20-711
Owner: City of Sugarland
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Clay	17	0- 17
Sand	24	17- 41
Sand and gravel	31	41- 72
Clay	24	72- 96
Sand and clay streaks	38	96- 134
Clay	18	134- 152
Sand and gravel	59	152- 211
Shale	9	211- 220
Sand	59	220- 279
Shale	20	279- 299
Shale, sandy	5	299- 304
Shale	41	304- 345

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-20-711--Continued

Shale, sandy and sand	23	345- 368
Shale	16	368- 384
Sand and sandy shale	22	384- 406
Shale	24	406- 430
Shale and sandy shale	25	430- 455
Sand and sandy shale	20	455- 475
Shale	26	475- 501
Sand and sandy shale	65	501- 566
Shale	16	566- 582
Sand	18	582- 600
Shale	28	600- 628
Sand and shale	14	628- 642
Sand and shale breaks	22	642- 664
Shale and sand streaks	18	664- 682
Sand and sandy shale	19	682- 701
Shale	14	701- 715
Sand and shale streaks	30	715- 745
Shale	41	745- 786
Sand and sandy shale	12	786- 798
Shale	18	798- 816
Sand and sandy shale	42	816- 858
Shale	10	858- 868
Shale, sandy	15	868- 883
Shale	20	883- 903
Sand and sandy shale	38	903- 941
Shale	11	941- 952
Sand and sandy shale	19	952- 971
Shale	4	971- 975
Sand and shale	45	975-1,020
Sand	30	1,020-1,050
Shale	88	1,050-1,138
Sand and sandy shale	15	1,138-1,153
Shale and sandy shale	122	1,153-1,275
Sand and shale	44	1,275-1,319
Shale	11	1,319-1,330
Sand and sandy shale	97	1,330-1,427
Shale and sand streaks	44	1,427-1,471
Sand and shale streaks	29	1,471-1,500

Well JY-65-20-711--Continued

Shale	6	1,500-1,506
Sand and shale streaks	40	1,506-1,546
Shale, sandy and sand	40	1,546-1,586
Shale, sandy and shale	37	1,586-1,623
Sand and sandy shale	33	1,623-1,656
Shale	18	1,656-1,674
Shale, hard	8	1,674-1,682
Shale	18	1,682-1,700

Well JY-65-20-804
Owner: Weatherford Farm and Greenhouse, Inc.
Driller: Bryan Drilling Co.

Description	Thickness (feet)	Depth interval (feet)
Surface	4	0- 4
Clay and sand	75	4- 79
Sand	21	79- 100
Shale	105	100- 205
Sand	4	205- 209
Clay	20	209- 229
Sand	-	229- -
Clay	-	229- 280
Sand	24	280- 304
Clay	42	304- 346
Sand	31	346- 377

Well JY-65-20-805
Owner: Texas Instruments, Inc.
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil and clay	15	0- 15
Sand, fine, red	15	15- 30
Clay, red	55	30- 85
Sand and sandy clay	15	85- 100
Sand and hard streaks	10	100- 110
Clay, sandy and sand	28	110- 138
Clay, sticky, red	27	138- 165
Clay, sandy	29	165- 194
Clay, sandy and sand	10	194- 204

Well JY-65-20-805--Continued

Clay, sandy and clay	21	204- 225
Sand and clay streaks	68	225- 293
Streaks of sand and shale	36	293- 329
Sand	50	329- 379
Streaks of sand and shale	43	379- 422
Sand and fine gravel	28	422- 450
Shale	29	450- 479
Sand, fine	18	479- 497
Shale	15	497- 512
Sand, coarse and gravel	88	512- 600
Shale and sand streaks	25	600- 625
Shale, sandy	19	625- 644
Sand	24	644- 668
Sand and streaks, shale	21	668- 689
Shale and layers, sand	11	689- 700
Sand, broken	35	700- 735
Shale and sandy shale	14	735- 749
Sand and streaks, shale	15	649- 764
Sand and shale, sandy	16	764- 780
Sand, broken	13	780- 793
Shale and shale sandy	41	793- 834
Sand and shale sandy	19	834- 853
Shale	15	853- 868
Sand and shale sandy	14	868- 882
Shale	8	882- 890
Sand, broken	21	890- 911
Shale	17	911- 928
Sand and shale breaks	21	928- 949
Shale	2	949- 951
Shale and sand breaks	29	951- 980
Sand	24	980-1,004
Shale	16	1.004-1,020

Well JY-65-20-806
Owner: The Meadows Municipal Utility District, Well No. 1
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	4	0- 4
Clay and sand streak	114	4- 118
Sand	4	118- 122
Shale	39	122- 161
Sand	126	161- 287
Shale	21	287- 308
Sand	38	308- 346
Shale ans sand streaks	40	346- 386
Sand and shale	40	386- 426
Sand	22	426- 448
Sand and sandy shale	21	448- 469
Shale	31	469- 500
Sand	12	500- 512
Shale, sandy	10	512- 522
Sand and shale streaks	34	522- 556
Shale	7	556- 563
Sand and shale streaks	24	563- 587
Sand and gravel	55	587- 642
Shale, hard and sandy	41	642- 683
Sand and shale, sandy	18	683- 701
Shale	33	701- 734
Shale, sandy and sand	18	734- 752
Sand and shale streaks	20	752- 772
Shale	37	772- 809
Sand	27	809- 836
Shale	7	836- 843
Sand	7	843- 850
Sand	100	850- 950
Shale	16	950- 966
Sand	58	966-1,024
Shale	48	1,024-1,072
Sand	15	1,072-1,087
Shale	13	1,087-1,100

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-20-914
Owner: Fort Bend County Water Control and Improvement District 2
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	2	0- 2
Sand and clay streaks	11	2- 13
Clay, brown	6	13- 19
Clay, sandy gray	4	19- 23
Clay, brown and sand streaks	19	23- 42
Clay, brown and gray	8	42- 50
Clay, brown and gray with chalk streaks	10	50- 60
Clay, red with chalk streaks	108	60- 168
Clay, gray and blue	37	168- 205
Sand, coarse and shale streaks	41	205- 246
Shale, sandy	64	246- 310
Sand and shale streaks	10	310- 320
Clay, gray and sand streaks	5	320- 325
Shale, brown	56	325- 381
Sand and shale streaks	25	381- 406
Shale, soft brown and sand streaks	90	406- 496
Sand and shale streaks	114	496- 610
Shale, white and sand streaks	47	610- 657
Clay, brown and sand streaks	89	657- 746
Shale, dry, brown with sand streaks	75	746- 821
Clay, soft gray	15	821- 836
Shale, brown-to-gray with sand streaks	109	836- 945
Sand and shale streaks	35	945- 980
Shale and sand streaks	30	980-1,010
Shale, sandy	15	1,010-1,025
Sand and shale streaks	34	1,025-1,059
Shale and sand streaks	14	1,059-1,073
Sand and shale streaks	12	1,073-1,085
Shale and sand streaks	160	1,085-1,245
Shale, sandy	51	1,245-1,296
Sand	17	1,296-1,313
Shale and sand streaks	46	1,313-1,359
Sand and shale streaks	20	1,359-1,379

Well JY-65-20-914--Continued

Sand	40	1,379-1,419
Sand and shale streaks	6	1,419-1,425
Shale and sand streaks	50	1,425-1,475
Sand and shale streaks	41	1,475-1,516
Shale and sand streaks	22	1,516-1,538
Sand	5	1,538-1,543
Sand and shale streaks	17	1,543-1,560
Shale and sand streaks	16	1,560-1,576
Sand and shale layers	24	1,576-1,600
Shale and sand streaks	27	1,600-1,627
Sand and shale streaks	51	1,627-1,678
Shale	22	1,678-1,700

Well JY-65-25-407
Owner: Heirs of Ivy M. Morrison
Driller: Layne-Western Co., Inc.

Description	Thickness (feet)	Depth interval (feet)
Surface clay	30	0- 30
Sand and gravel	24	30- 54
Clay	5	54- 59
Sand and rock	47	59- 106
Gravel	7	106- 113
Sand, rock, and gravel	142	113- 255
Clay	26	255- 281
Sand	43	281- 324
Clay	9	324- 333
Clay and broken sand	6	333- 339
Clay	7	339- 346
Sand and rock	50	346- 396
Clay	36	396- 432
Sand and rock	10	432- 442
Clay	10	442- 452
Sand and rock	10	452- 462
Clay	10	462- 472
Sand and rock	6	472- 478
Shale, hard	16	478- 494
Sand and rock	7	494- 501
Shale	21	501- 522

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-25-407--Continued

Sand and rock	14	522-536
Shale	9	536-545
Sand and rock	22	545-567
Shale, hard	20	567-587
Sand and rock	26	587-613
Shale	6	613-619
Sand and rock	16	619-635
Shale	9	635-644
Sand and rock	59	644-703
Clay	19	703-722
Sand and rock	11	722-733
Clay	49	733-782
Sand and rock	13	782-795
Clay	10	795-805
Sand, hard and rock	16	805-821
Clay	37	821-858
Sand and rock	34	858-892
Clay	2	892-894
Sand and rock	40	894-934
Clay	6	934-940

Well JY-65-25-505
Owner: Greenwald and Banfield
Driller: Katy Drilling, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay, surface	27	0- 27
Sand	29	27- 56
Clay	7	56- 63
Sand	22	63- 85
Clay	11	85- 96
Sand and gravel	19	96-115
Clay	9	115-124
Sand and gravel	92	124-216
Clay	7	216-223
Sand and gravel	65	223-288
Clay	7	288-295
Gravel	5	295-300
Clay	26	300-326

Well JY-65-25-505--Continued

Sand	15	326-341
Clay	3	341-344
Sand	30	344-374
Clay	9	374-383
Sand and rock	59	383-442
Clay	22	442-464
Sand and rock	22	464-486
Clay	82	486-568
Sand and rock	12	568-580
Clay	11	580-591
Sand and rock	55	591-646
Clay	8	646-654
Sand and rock	24	654-678
Clay	11	678-689
Sand and rock	49	689-738
Clay	27	738-765
Sand	28	765-793
Clay	24	793-817
Sand	13	817-830
Clay	5	830-835
Sand	5	835-840
Clay	52	840-892
Sand	11	892-903

Well JY-65-25-506
Owner: John Moore
Driller: Katy Drilling, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay, surface	8	0- 8
Sand and clay breaks	31	8- 39
Gravel and sand	42	39- 81
Clay	27	81-108
Sand and gravel	53	108-161
Clay	17	161-178
Sand and gravel	86	178-264
Clay	27	264-291
Sand and rock	13	291-304
Clay	39	304-343

Well JY-65-25-506--Continued

Sand and rock	63	343-406
Clay	5	406-411
Sand and rock	27	411-438
Clay	8	438-446
Sand and rock	26	446-472
Clay	5	472-477
Sand and rock	36	477-513
Clay	85	513-598
Sand and rock	15	598-613
Shale	51	613-664
Sand and rock	27	664-691
Clay	5	691-696
Sand and rock	12	696-708
Clay	12	708-720
Sand	46	720-766
Clay	30	766-796
Sand	20	796-816
Clay	9	816-825
Sand	35	825-860
Clay	27	860-887
Sand	14	887-901
Sand	5	901-906

Well JY-65-25-605
Owner: Heirs of Ivy M. Morrison
Driller: Layne-Western Co., Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay, surface	19	0- 19
Sand	6	19- 25
Clay	4	25- 29
Sand, rock, and gravel	55	29- 84
Clay	52	84-36
Sand and gravel	75	136-211
Clay	4	211-215
Sand and rock	34	215-249
Shale	1	249-250
Sand and rock	45	250-295
Shale	5	295-300

Well JY-65-25-605--Continued

Sand and rock	7	300-307
Shale	21	307-328
Sand and rock	2	328-330
Shale	5	330-335
Sand and rock	11	335-346
Shale, sandy	3	346-349
Sand and rock	33	349-382
Clay	3	382-385
Shale	20	385-405
Sand and rock	51	405-456
Clay	13	456-469
Sand and rock	36	469-505
Clay	58	505-563
Sand and rock	36	563-599
Clay	14	599-613
Sand and rock	14	613-627
Clay	24	627-651
Sand and rock	40	651-691
Shale and rock	16	691-707
Sand and rock	42	707-749
Clay	28	749-777
Sand and rock	30	777-807
Clay, bottom	93	807-900

Well JY-65-25-606
Owner: Heirs of Ivy M. Morrison
Driller: Layne-Western Co., Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay, surface	35	0- 35
Sand and gravel	177	35-212
Clay	9	212-221
Sand and gravel	15	221-236
Clay	20	236-256
Sand and gravel	14	256-270
Clay	11	270-281
Sand and gravel	33	281-314
Clay	23	314-337
Sand and rock	5	337-342

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-25-606--Continued

Clay	5	342- 347
Sand and rock	57	347- 404
Clay	11	404- 415
Sand and rock	11	415- 426
Clay	10	426- 436
Sand and rock	32	436- 468
Clay	21	468- 498
Sand and rock	13	498- 502
Clay	27	502- 529
Sand and rock	14	529- 543
Shale	19	543- 562
Sand	3	562- 565
Shale	3	565- 568
Sand and rock	3	568- 571
Shale	17	571- 588
Sand and rock	13	588- 601
Clay	54	601- 655
Sand and rock	44	655- 699
Clay	16	699- 715
Sand and rock	43	715- 758
Shale	26	758- 784
Sand and rock	53	784- 837
Clay	16	837- 853
Sand and rock	59	853- 912
Shale	58	912- 970
Sand	23	970- 993
Shale	11	993-1,004

Well JY-65-25-607
Owner: Murphy Manufacturing Co.
Driller: Robinson Water Well Service

Description	Thickness (feet)	Depth interval (feet)
Clay	14	0- 14
Sand	189	14- 203
Clay	44	203- 247
Sand	143	247- 390

Well JY-65-25-909
Owner: Wilford Hopmann
Driller: Katy Drilling, Inc.

Description	Thickness (feet)	Depth interval (feet)
Surface	30	0- 30
Quicksand, fine	24	30- 54
Sand	16	54- 70
Sand and gravel	83	70-153
Clay	12	153-165
Sand and gravel	18	165-183
Clay	12	183-195
Sand	34	195-229
Clay	16	229-245
Sand	114	245-359
Clay	6	359-365
Sand, lime and rock	108	365-473
Clay	6	473-479
Sand, lime and rock with small clay streaks	24	479-503

Well JY-65-26-104
Owner: Frito-Lay, Inc.
Driller: Critendon Drilling Service, Inc.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	1	0- 1
Clay, black	7	1- 8
Clay, brown and gray	17	8- 25
Clay and lime	9	25- 34
Sand and gravel	92	34-126
Clay	2	126-128
Clay, sandy and sand streaks	59	128-187
Clay, blue and brown	18	187-205

Well JY-65-26-105
Owner: Frito-Lay, Inc.
Driller: Critendon Drilling Service, Inc.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	3	0- 3
Clay, brown	9	3- 12
Clay, brown-to-gray	19	12- 31

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-26-105--Continued

Sand and sandy breaks	29	31- 60
Sand and gravel	68	60-128
Sand and clay	51	128-179
Sand, coarse, white	7	179-186
Clay, yellow and blue	34	186-220
Sand and gravel	11	220-231
Clay, blue and brown	28	231-259
Sand, medium and coarse	70	259-329
Clay, brown and blue	19	329-348
Sand, medium, white	17	348-365
Clay, blue and brown	17	365-382
Sand and gravel	31	382-413
Clay, blue and brown	9	413-422

Well JY-65-26-407
Owner: Frito-Lay, Inc.
Driller: Critendon Drilling Service, Inc.

Description	Thick-ness (feet)	Depth interval (feet)
Sand	3	0- 3
Clay, black-to-gray	6	3- 9
Clay, yellowish gray	1	9- 10
Clay, brown	24	10- 34
Sand, brown	103	34-137
Sand, coarse, gray	17	137-154
Clay, brown and blue	19	154-173
Sand, brown, coarse	43	173-216
Clay, brown and gray	33	216-249
Sand and gravel	26	249-275
Clay, blue and brown	12	275-287
Sand streaks	3	287-290
Clay, brown and gray with lime	19	290-309
Sand and gravel	40	309-349
Shale, brown and blue	1	349-350

Well JY-65-26-408
Owner: Frito-Lay, Inc.
Driller: Critendon Drilling Service, Inc.

Description	Thick-ness (feet)	Depth interval (feet)
Sand	3	0- 3
Clay, black-to-gray	6	3- 9
Clay, yellowish gray	1	9- 10
Clay, brown	24	10- 34
Sand, brown	103	34-137
Sand, coarse, gray	17	137-154
Clay, brown and blue	19	154-173
Sand, brown, coarse	43	173-216
Clay, brown and gray	33	216-249
Sand, medium and gravel	26	249-275
Clay, blue and brown	12	275-287
Sand streaks	3	287-290
Clay, brown and gray with lime	19	290-309
Sand and gravel	40	309-349
Shale, brown and blue	1	349-350

Well JY-65-26-612
Owner: City of Richmond
Driller: Layne-Western Co., Inc.

Description	Thick-ness (feet)	Depth interval (feet)
Clay	20	0- 20
Sand	4	20- 24
Clay	16	24- 40
Sand and gravel	16	40- 56
Clay	6	56- 62
Gravel	9	62- 71
Clay	23	71- 94
Sand and gravel	10	94-104
Clay	40	104-144
Sand and gravel	45	144-189
Clay	5	189-194
Sand and gravel	114	194-308
Shale	4	308-312
Sand and gravel	6	312-318
Shale	13	318-331

Well JY-65-26-612--Continued

Gravel and sand	99	331-430
Clay	3	430-433
Sand, gravel, and rock	7	433-440
Shale	21	440-461
Sand, gravel, and rock	5	461-466
Shale	11	466-477
Sand and gravel	63	477-540
Clay	5	540-545
Sand and gravel	37	545-582
Sand and rock	257	582-839
Shale	18	839-857
Sand and rock	44	857-901
Clay	20	901-921
Sand	66	921-987
Clay	10	987-997

Well JY-65-26-614
Owner: Allied Concrete
Driller: G. S. Rhemann Water Well Service, Inc.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	4	0- 4
Clay	8	4- 12
Loam, sandy	8	12- 20
Sand	34	20- 54
Clay, gray	33	54- 87
Sand and gravel	9	87- 96
Clay, blue	4	96-100
Clay, red	38	100-138
Sand	56	138-194
Clay, tan	18	194-212
Clay and rocky clay	80	212-292
Sand, silty	80	292-372
Clay, hard	16	372-388
Sand, coarse	50	388-438
Clay, rocky	8	438-446
Sand, fine	14	446-460
Clay, white	2	460-462
Clay, rocky	12	462-474

Well JY-65-26-614--Continued

Sand, coarse	2	474-476
Clay, pink	21	476-497
Sand, gold	21	497-518
Stone layers	27	518-545
Sand, coarse	9	545-554

Well JY-65-26-813
Owner: Lamar Consolidated Independent School District, Meyer Intermediate School
Driller: Birdwell Water Well Service Co., Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay	20	0- 20
Sand, brown	17	20- 37
Clay	1	37- 38
Sand	10	38- 48
Clay	2	48- 50
Gravel	27	50- 77
Clay	23	77-100
Rock	3	100-103
Clay, sandy	5	103-108
Sand	6	108-114
Clay	26	114-140
Sand, coarse, brown	10	140-150
Clay	40	150-190
Sand	30	190-220
Gravel	10	220-230
Clay	26	230-256
Sand	34	256-290
Gravel	10	290-300
Sand	24	300-324
Sand, broken	2	324-326
Sand	9	326-335
Clay	13	335-348
Sand	4	348-352
Clay	20	352-372
Sand, good, coarse	56	372-428
Clay	3	428-431
Sand and gravel	14	431-445
Clay	15	445-460

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-26-813--Continued

Sand, good	12	460-472
Clay	13	472-485
Sand	18	485-503
Clay	21	503-524
Sand	33	524-557
Clay	3	557-560
Sand	23	560-583
Clay	5	583-588
Sand	10	588-598
Clay	16	598-614
Sand, good	31	614-645
Sand, fair	9	645-654
Sand, good	15	654-669
Clay	7	669-676
Sand	32	676-708
Clay	19	708-727
Sand	3	727-730
Clay	4	730-734
Sand, poor	10	734-744
Sand, fair	12	744-756
Sand, fair, broken streaks	10	756-766
Sand, good	10	766-776
Sand	1	776-777
Clay	51	777-828
Clay, sandy	3	828-831
Clay	7	831-838
Sand, good	14	838-852
Sand, fine, poor	3	852-855
Sand, good	7	855-862
Clay	17	862-879
Clay, sandy	9	879-888
Sand	44	888-932
Clay	5	932-937

Well JY-65-27-106
Owner: Pecan Grove Municipal Utility District, Well No. 1
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Clay	20	0- 20
Sand and gravel	6	20- 26
Sand	15	26- 41
Boulder	2	41- 43
Sand and boulder	6	43- 49
Clay, red	13	49- 62
Sand and clay streaks	29	62- 91
Clay, red	14	91- 105
Sand	25	105- 130
Clay	28	130- 158
Sand	9	158- 167
Clay	21	167- 188
Sand and clay breaks	62	188- 250
Shale, sandy	47	250- 297
Sand and gravel	6	297- 303
Sand, gravel and shale breaks	44	303- 347
Shale and sand streaks	55	347- 402
Sand	6	402- 408
Sand and streaks of gray shale	97	408- 505
Gravel, hard	12	505- 517
Shale, sticky	44	517- 561
Sand, gravel and streaks of clay	58	561- 619
Sand and clay breaks	21	619- 640
Shale, hard with sand breaks	30	640- 670
Shale and sandy breaks	35	670- 705
Sand and shale breaks	120	705- 825
Shale	15	825- 840
Sand	34	840- 874
Shale, brown	146	874-1,020
Sand	13	1,020-1,033
Shale	23	1,033-1,056
Shale, blue and sand layers	42	1,056-1,098
Shale, hard brown	20	1,098-1,118
Sand and shale breaks	45	1,118-1,163

Well JY-65-27-106--Continued

Shale and sand layers	57	1,163-1,220
Sand	8	1,220-1,228
Shale	10	1,228-1,238
Shale and sand shale	21	1,238-1,259
Shale and broken sand	16	1,259-1,275
Shale	5	1,275-1,280
Sand and shale layers	82	1,280-1,362
Shale, hard brown	12	1,362-1,374
Sand	19	1,374-1,393
Shale, brown	13	1,393-1,406
Sand	25	1,406-1,431
Shale with sandy streaks	89	1,431-1,520

Well JY-65-27-107
Owner: Pecan Grove Associates, Well No. 1
Driller: G. S. Rhemann Water Well Service, Inc.

Description	Thickness (feet)	Depth interval (feet)
Gumbo, brown	14	0- 14
Clay, tan sandy	26	14- 40
Sand, silty and gravel	15	40- 55
Clay, brown	25	55- 80
Sand and gravel	8	80- 88
Clay, reddish white	12	88- 100
Sand and gravel	42	100- 142
Clay, brown	3	142- 145
Sand, dirty and gravel	28	145- 173
Clay, white	7	173- 180
Sand, very fine	20	180- 200
Clay, white	27	200- 227
Clay and stone layers	24	227- 251
Sand, coarse and gravel	27	251- 278
Clay	4	278- 282
Sand, coarse	14	282- 296
Clay	4	296- 300
Sand, coarse	13	300- 313

Well JY-65-27-108
Owner: Pecan Grove Municipal Utility District, Well No. 2
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Clay	30	0- 30
Sand	15	30- 45
Clay	64	45-109
Sand	32	109-141
Clay	20	141-161
Clay, sandy	6	161-167
Sand	6	167-173
Clay	17	173-190
Sand	12	190-202
Clay	27	202-229
Sand	58	229-287
Clay	7	287-294
Sand	32	294-326
Clay	22	326-348
Sand	14	348-362
Clay, sandy	8	362-370
Clay	34	370-404
Sand	3	404-407
Clay	16	407-423
Sand	20	423-443
Clay	7	443-450
Sand and fine gravel	64	450-514
Clay streaks, sandy	3	514-517
Sand and fine gravel	20	517-537
Clay, sandy	4	537-541
Sand	11	541-552

Well JY-65-27-109
Owner: Lois Clark
Driller: Mahler Water Well Service, Inc.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	5	0- 5
Silt	5	5- 10
Clay, red	30	10- 40
Sand	15	40- 55

Well JY-65-27-109--Continued

Shale, red	10	55- 65
Sand	25	65- 90
Shale, white	10	90-100
Shale, red	10	100-110
Sand and shale	20	110-130
Sand	30	130-160
Sand and shale	10	160-170
Sand	15	170-185
Shale, red	20	185-205
Sand	20	205-225
Shale, white and sand	15	225-240
Sand	28	240-268

Well JY-65-27-212
Owner: Robert Schumann
Driller: Ellis Water Well Drilling

Description	Thickness (feet)	Depth interval (feet)
Topsoil, black	3	0- 3
Soil, red-to-gray clay	6	3- 9
Sand, brown bank	24	9- 33
Clay	3	33- 36
Sand, coarse-to-gravel	41	46- 77
Sand, streaks and red clay	28	77-105
Sand, fine-to-coarse	15	105-120
Clay, red and sand streaks	50	120-170
Sand, coarse-to-gravel	20	170-190
Clay, red with sand layers	23	190-213
Sand, coarse and gravel	20	213-233
Clay, red	7	233-240
Sand, coarse and gravel	10	240-250
Clay, red, sticky-to-gray	52	250-302
Sand, coarse and gravel	27	302-329

Well JY-65-27-213
Owner: Fort Bend County Municipal Utility District 69, Well No. 1
Driller: Alsay Incorporated

Description	Thickness (feet)	Depth interval (feet)
Topsoil	4	0- 4
Clay, brown	18	4- 22
Sand	14	22- 36
Gravel, coarse	43	36- 79
Clay, brown	35	79- 114
Sand	15	114- 129
Clay, brownish gray	45	129- 174
Sand	85	174- 259
Clay, gray	15	259- 274
Sand	44	274- 318
Clay, gray	6	318- 324
Gravel, fine	12	324- 336
Clay, blue	62	336- 398
Sand	50	398- 448
Clay, tan	26	448- 474
Sand	10	474- 484
Clay, tan	12	484- 496
Sand with tan clay streaks	72	496- 568
Clay, tan	10	568- 578
Sand	90	578- 668
Clay, tan	30	668- 698
Sand	36	698- 734
Clay, whitish tan	8	734- 742
Sand with small streaks of whitish tan clay	212	742- 954
Clay, gray	30	954- 984
Sand	22	984-1,006
Clay, whitish tan	10	1,006-1,016
Sand	16	1,016-1,032
Clay, gray	44	1,032-1,076
Sand	32	1,076-1,108
Clay, gray	14	1,108-1,122
Sand	10	1,122-1,132
Clay, gray	54	1,132-1,186
Sand, with whitish tan clay	52	1,186-1,238

Well JY-65-27-213--Continued

Clay	14	1,238-1,252
Sand	34	1,252-1,286
Clay, gray	32	1,286-1,318
Sand with clay breaks	26	1,318-1,344
Clay, gray	70	1,344-1,414
Sand, hard	18	1,414-1,432
Clay, gray	62	1,432-1,494

Well JY-65-27-319
Owner: Venetian Estates
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Clay	30	0- 30
Sand	13	30- 43
Sand and gravel	12	43- 55
Clay, sandy	12	55- 67
Sand, fine, clay and gravel	17	67- 84
Clay	18	84- 102
Clay, sandy	10	102- 112
Sand	34	112- 146
Clay	2	146- 148
Sand, good	19	148- 167
Sand and gravel	8	167- 175
Sand	3	175- 178
Clay	26	178- 204

Well JY-65-27-320
Owner: Signal Oil Company
Driller: Lowry Water Wells

Description	Thickness (feet)	Depth interval (feet)
Surface and brown clay	40	0- 40
Gravel	17	40- 57
Clay, brown, sandy	111	57- 168
Clay, brown	31	168- 199
Sand	20	199- 219

Well JY-65-27-321
Owner: Brazos River Authority
Driller: Layne-Western Company, Inc.

Description	Thickness (feet)	Depth interval (feet)
Topsoil and clay	33	0- 33
Sand	35	33- 68
Clay	42	68-110
Sand, silty	10	110-120
Clay	31	120-151
Sand	40	151-191
Clay	13	191-204
Sand with hard streaks	19	204-223
Clay	16	223-239
Sand	44	239-283
Clay	8	283-291
Sand	31	291-322
Clay	7	322-329
Sand	14	329-343
Clay	17	343-360
Unrecorded	20	360-380
Clay	14	380-394
Sand, hard	21	394-415

Well JY-65-27-322
Owner: Texas Department Of Corrections, Central Unit
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	2	0- 2
Clay with sandy streaks	39	2- 41
Sand and gravel	18	41- 59
Shale	16	59- 75
Sand, broken	5	75- 80
Shale with sand streaks	50	80-130
Sand with shale streaks	20	130-150
Shale with sandy streaks	34	150-184
Sand and shale, sandy	20	184-204
Sand and shale, sandy	36	204-240
Sand and shale, sandy	26	240-266

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-27-322--Continued

Shale	16	266-282
Sand and shale	25	282-307
Sand and small gravel	28	307-335
Shale	10	335-345
Sand and small gravel	49	345-394
Shale	11	394-405

Well JY-65-27-323
Owner: Fort Bend County Municipal Utility District 13, Well No. 3
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	3	0- 3
Clay, fill	4	3- 7
Clay	3	7- 10
Sand and clay streaks	3	10- 13
Sand	2	13- 15
Sand and clay streaks	5	15- 20
Clay	21	20- 41
Clay and sand streaks	40	41- 81
Sand and gravel	19	81-100
Clay	15	100-115
Sand and clay	36	115-151
Clay and sandy streaks	4	151-155
Sand	7	155-162
Clay and sand streaks	7	162-169
Sand	33	169-202
Shale and sand streaks	17	202-219
Sand	35	219-254
Shale and sand streaks	23	254-277
Sand and shale streaks	10	277-287
Shale	23	287-310
Gravel, shale streaks and sand	6	310-316
Shale	26	316-342
Sand, shale streaks	11	342-353
Clay	9	353-362
Clay and sand streaks	45	362-407
Sand, shale and gravel	13	407-420

Well JY-65-27-323--Continued

Shale	15	420- 435
Gravel and sand	32	435- 467
Sand and gravel	11	467- 478
Shale	53	478- 531
Sand and shale	16	531- 547
Shale	101	547- 648
Sand and shale streaks	13	648- 661
Shale and sand streaks	15	661- 676
Sand and shale streaks	300	676- 976
Shale	3	976- 979
Sand and shale streaks	77	979-1,056
Shale and sand streaks	14	1,056-1,070
Shale	70	1,070-1,140
Shale and sand streaks	50	1,140-1,190
Sand and shale streaks	19	1,190-1,209
Shale	17	1,209-1,226
Shale, sandy	13	1,226-1,239
Shale	34	1,239-1,273
Sand	7	1,273-1,280
Shale, sandy	5	1,280-1,285
Sand and shale streaks	33	1,285-1,318
Shale	40	1,318-1,358
Sand and shale streaks	23	1,358-1,381
Shale	21	1,381-1,402
Sand and shale streaks	24	1,402-1,426
Shale, hard	14	1,426-1,440
Shale	31	1,440-1,471
Sand and shale streaks	29	1,471-1,500
Shale	6	1,500-1,506

Well JY-65-27-324
Owner: Fort Bend Utilities, Well No. 10
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	2	0- 2
Clay	5	2- 7
Sand and gravel	75	7- 82
Clay	17	82- 99

Well JY-65-27-324--Continued

Sand and gravel	23	99- 122
Clay	7	122- 129
Sand	53	129- 182
Clay	14	182- 196
Sand and gravel	16	196- 212
Clay and white rock	48	212- 260
Sand and clay streaks	78	260- 338
Clay and few sand streaks	24	338- 362
Sand and lime streaks	32	362- 394
Shale	29	394- 423
Shale, sandy and lime streaks	28	423- 451
Shale	11	451- 462
Sand	47	462- 509
Shale, sandy	15	509- 524
Sand	27	524- 551
Sand and clay	17	551- 568
Sand	34	568- 602
Sand and shale	15	602- 617
Sand	14	617- 631
Sand and shale streaks	16	631- 647
Sand	15	647- 662
Shale and sand streaks	23	662- 685
Sand and few shale streaks	88	685- 773
Sand and shale streaks	43	773- 816
Shale and sand streaks	49	816- 865
Shale with few lime streaks	36	865- 901
Shale and sand streaks	51	901- 952
Shale	22	952- 974
Sand	12	974- 986
Shale	14	986-1,000
Sand and shale streaks	20	1,000-1,020
Shale	71	1,020-1,091
Sand	11	1,091-1,102
Shale	47	1,102-1,149

Well JY-65-27-405
Owner: J. C. Wessendorf
Driller: Hardin Water Wells

Description	Thickness (feet)	Depth interval (feet)
Sand, surface	3	0- 3
Clay, red	32	3- 35
Sand and gravel	25	35- 60
Clay, red and white	5	60- 65
Sand and gravel	20	65- 85

Well JY-65-27-504
Owner: Plantation Municipal Utility District, Well No. 1
Driller: Water Resources of Texas

Description	Thickness (feet)	Depth interval (feet)
Unrecorded	561	0-561
Shale	8	561-569
Sand, good	160	569-729
Shale	30	729-759
Sand, good	40	759-799
Shale	10	799-809

Well JY-65-27-505
Owner: Plantation Municipal Utility District, Well No. 2
Driller: Landford Drilling Co., Inc.

Description	Thickness (feet)	Depth interval (feet)
Sand	3	0- 3
Clay	11	3- 14
Sand	26	14- 40
Shale, sandy	110	40-150
Sand	50	150-200
Shale	40	200-240
Sand	30	240-270
Shale	20	270-290
Sand	140	290-430
Shale	10	430-440
Sand	45	440-485
Shale	50	485-535
Sand	25	535-560

Well JY-65-27-505--Continued

Shale	22	560-582
Sand	158	582-740
Shale	50	740-790
Sand	40	790-830
Shale	10	830-840
Shale, sandy and shale	70	840-910

Well JY-65-27-609
Owner: Greystone Construction Company
Driller: Bussell and Son, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay	3	0- 3
Sand	28	3- 31
Clay	5	31- 36
Gravel	94	36-130
Clay	20	130-150
Sand	37	150-187
Clay	80	187-267
Sand	18	267-285
Clay	17	285-302
Clay, sandy	18	302-320
Sand	26	320-346
Clay	22	346-368
Sand	16	368-384
Clay	7	384-391
Sand	72	391-463

Well JY-65-28-102
Owner: City of Cities Municipal Utility District, Sugar Creek, Well No. 1
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	2	0- 2
Sand	18	2- 20
Clay, streaks of sand	69	20- 89
Sand	35	89-124
Shale	23	124-147
Sand	13	147-160
Shale and sand streaks	33	160-193

Well JY-65-28-102--Continued

Sand	58	193- 251
Sand and shale streaks	30	251- 281
Sand, hard and clay	30	281- 311
Shale	11	311- 322
Sand and shale streaks	20	322- 342
Sand	12	342- 354
Shale and sand streaks	48	354- 402
Sand and shale streaks	50	402- 452
Shale	20	452- 472
Sand	23	472- 495
Sand, coarse	81	495- 576
Shale	10	576- 586
Shale and sand	31	586- 617
Sand, coarse	32	617- 649
Shale, hard, coarse sand	31	649- 680
Sand, hard, coarse	10	680- 690
Shale	26	690- 716
Sand	44	716- 760
Shale	16	760- 776
Shale, sandy	26	776- 802
Sand and shale streaks	52	802- 854
Shale	10	854- 864
Shale, sandy	30	864- 894
Sand	52	894- 946
Sand and shale	27	946- 973
Shale	12	973- 985
Shale, sandy	61	985-1,046
Shale	20	1,046-1,066

Well JY-65-28-105
Owner: Fort Bend County Municipal Utility District 13, Well No. 2
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	3	0- 3
Clay	6	3- 9
Clay and sand streaks	25	9- 34
Clay	4	34- 38

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-28-105--Continued

Sand and gravel	41	38- 79
Clay	2	79- 81
Sand and gravel	25	81- 106
Sand and clay streaks	24	106- 130
Shale and sand streaks	17	130- 147
Sand and shale streaks	4	147- 151
Shale and sand streaks	25	151- 176
Sand	10	176- 186
Shale	108	186- 294
Sand and shale streaks	29	294- 323
Shale and sand streaks	19	323- 342
Shale	11	342- 353
Sand and shale streaks	10	353- 363
Shale	3	363- 366
Sand and shale streaks	8	366- 374
Shale	12	374- 386
Shale and sand streaks	21	386- 407
Sand	4	407- 411
Shale	11	411- 422
Sand, gravel and shale streaks	58	422- 480
Shale	14	480- 494
Sand, gravel and shale streaks	186	494- 680
Shale	66	680- 746
Sand, shale and gravel	30	746- 776
Sand and shale streaks	31	776- 807
Shale and sand streaks	41	807- 848
Clay, sandy	50	848- 898
Clay	41	898- 939
Sand and clay streaks	15	939- 954
Sand and shale streaks	86	954-1,040
Shale	9	1,040-1,049
Sand and shale streaks	50	1,049-1,099
Shale	78	1,099-1,177
Shale and sand streaks	48	1,177-1,225
Sand and shale streaks	42	1,225-1,267
Shale	23	1,267-1,290
Sand and shale streaks	22	1,290-1,312

Well JY-65-28-105--Continued

Shale	13	1,312-1,325
Sand and shale streaks	24	1,325-1,349
Shale	27	1,349-1,376
Sand and shale streaks	19	1,376-1,395
Shale and sand streaks	35	1,395-1,430
Sand and shale	63	1,430-1,493
Shale	7	1,493-1,500

Well JY-65-28-106
Owner: Land and Water Ammenities
Driller: Robinson Water Well Service, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay	13	0- 13
Sand and gravel	87	13- 100
Clay	89	100- 189
Sand	41	189- 230
Clay	41	230- 271
Sand	75	271- 346
Clay	54	346- 400
Sand	10	400- 410
Clay	20	410- 430
Sand	71	430- 501

Well JY-65-28-107
Owner: Greystone Construction Company
Driller: Robinson Water Well Service, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay	12	0- 12
Sand	72	12- 84
Clay	94	84- 178
Sand	69	178- 247
Clay	133	247- 380
Sand	80	380- 460
Clay	20	460- 480
Sand	56	480- 536

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-28-108
Owner: Kaneb Services
Driller: Bussell and Son, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay, red	2	0- 2
Sand, surface	37	2- 39
Clay, soft	99	39-138
Sand	37	138-175
Clay	50	175-225
Sand	31	225-256
Clay	44	256-300
Sand, fine	20	300-320
Clay	36	320-356
Sand	8	356-364
Clay, sandy	69	364-433
Sand	14	433-447
Clay	18	447-465
Sand	28	465-493
Clay	7	493-500
Sand	50	500-550

Well JY-65-28-207
Owner: Meadow Creek Municipal Utility District
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	5	0- 5
Clay	20	5- 25
Sand	30	25- 55
Clay	40	55- 95
Sand	25	95-120
Shale	89	120-209
Sand and shale streaks	21	209-230
Shale and few sand streaks	53	230-283
Shale	64	283-347
Shale and sand streaks	21	347-368
Shale	107	368-475
Shale and sand streaks	117	475-592
Sand	65	592-657

Well JY-65-28-207--Continued

Shale and sand streaks	15	657- 672
Sand	58	672- 730
Shale	5	730- 735
Sand and shale streaks	20	735- 755
Shale and sand streaks	20	755- 775
Sand	45	775- 820
Sand and shale streaks	50	820- 870
Sand	36	870- 906
Sand and shale streaks with lime	48	906- 954
Sand	31	954- 985
Sand, shale and lime streaks	47	985-1,032
Sand	17	1,032-1,049
Shale	5	1,049-1,054
Sand and shale streaks	26	1,054-1,080
Shale	4	1,080-1,084
Sand with shale and lime streaks	33	1,084-1,117
Shale	18	1,117-1,135

Well JY-65-28-208
Owner: Quail Valley Utility District, Well No. 3
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	3	0- 3
Clay, sandy	38	3- 41
Sand	65	41- 106
Clay	13	106- 119
Clay, sandy and sand	15	119- 134
Clay	32	134- 166
Clay, sandy	10	166- 176
Sand and sandy clay	48	176- 224
Clay	62	224- 286
Shale, sandy	4	286- 290
Shale	10	290- 300
Shale, sandy	40	300- 340
Sand and sandy shale streaks	27	340- 367
Shale, sandy	14	367- 381
Sand	11	381- 392

Well JY-65-28-208--Continued

Shale	3	392- 395
Sand and shale streaks	7	395- 402
Shale	20	402- 422
Sand and shale	30	422- 452
Shale	12	452- 464
Sand and sandy shale	26	464- 490
Shale, sandy and sand streaks	47	490- 537
Sand and sandy shale	33	537- 570
Shale	53	570- 623
Shale, sandy	5	623- 628
Shale	19	628- 647
Shale, sandy	32	647- 679
Shale	13	679- 692
Shale, sandy and sand streaks	62	692- 754
Sand and sandy shale	56	754- 810
Shale and sand layers	42	810- 852
Sand, lime and shale	32	852- 884
Sand, gravel and shale	41	884- 925
Shale, sandy and sand streaks	76	925-1,001
Sand and shale streaks	11	1,001-1,012
Shale and sandy streaks	19	1,012-1,031
Sand and shale streaks	67	1,031-1,098
Shale and sand streaks	16	1,098-1,114
Sand and sandy shale	24	1,114-1,138
Shale and sand streaks	14	1,138-1,152
Sand and shale	43	1,152-1,195
Shale	18	1,195-1,213
Shale and sand layers	18	1,213-1,231
Shale	5	1,231-1,236
Shale and sand streaks	34	1,236-1,270
Shale, sandy	39	1,270-1,309
Sand and sandy shale	51	1,309-1,360
Shale	11	1,360-1,371
Shale, sandy and sand	28	1,371-1,399
Sand and shale streaks	27	1,399-1,426
Shale	26	1,426-1,452
Sand	35	1,452-1,487
Shale, sandy	13	1,487-1,500

Well JY-65-28-209
Owner: Fort Bend County Water Control and Improvement District 2
Driller: Alsay-Pippin Corp.

Description	Thickness (feet)	Depth interval (feet)
Clay, sandy, red	30	0- 30
Sand	33	30- 63
Clay, red	127	63- 190
Sand, tan	146	190- 336
Shale, gray	16	336- 352
Sand, white and tan	23	352- 375
Shale, gray	85	375- 460
Sand, tan	25	460- 485
Shale, gray	70	485- 555
Sand, tan	29	555- 584
Shale, gray	14	584- 598
Sand and shale breaks	174	598- 772
Shale, gray	28	772- 800
Sand, tan	64	800- 864
Shale, gray	46	864- 910
Sand and shale breaks	149	910-1,059
Shale, gray	41	1,059-1,100
Sand, tan	86	1,100-1,186
Shale, gray	20	1,186-1,206
Sand, tan	14	1,206-1,220
Shale, gray	67	1,220-1,287
Sand, tan	17	1,287-1,304
Shale, gray	41	1,304-1,345
Sand, tan	81	1,345-1,426
Shale, gray	138	1,426-1,564
Sand, tan	20	1,564-1,584
Shale, gray	48	1,584-1,632
Sand, tan	42	1,632-1,674
Shale, gray	33	1,674-1,707

Well JY-65-28-210
Owner: First Colony Municipal Utility District 9, Well No. 1
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Surface	2	0- 2
Clay and sandy clay	8	2- 10
Clay	12	10- 22
Sand, sandy clay and clay streaks	9	22- 31
Clay and sandy clay streaks	3	31- 34
Clay	1	34- 35
Sand, clay and gravel	21	35- 56
Clay and gravel	4	56- 60
Clay and sandy clay streaks	6	60- 66
Sand and gravel	11	66- 77
Clay	17	77- 94
Sand and gravel	15	94-109
Clay	3	109-112
Sand and clay streaks	38	112-150
Clay	6	150-156
Sand, gravel and clay streaks	28	156-184
Clay	1	184-185
Clay and sandy clay streaks	10	185-195
Clay	5	195-200
Clay, sandy clay and sand streaks	11	200-211
Sand, gravel and clay streaks	7	211-218
Sand and gravel	6	218-224
Clay	7	224-231
Sand and clay streaks	31	231-262
Clay	13	262-275
Sand and clay streaks	11	275-286
Clay	15	286-301
Clay and sandy clay streaks	8	301-309
Clay	7	309-316
Sand	12	316-328
Sand and clay streaks	38	328-366
Clay	13	366-379
Sand and clay streaks	13	379-392
Clay	3	392-395

Well JY-65-28-210--Continued

Sand	3	395-398
Clay	2	398-400
Sand and clay streaks	12	400-412
Clay	8	412-420
Sand and clay streaks	16	420-436
Clay	36	436-472
Clay and sand streaks	3	472-475
Clay	24	475-499
Clay, gravel and sand	10	499-509
Clay	20	509-529
Clay and sand streaks, cemented	25	529-554
Sand and clay streaks, cemented	52	554-606
Clay and sand streaks, cemented	10	606-616
Clay	11	616-627
Sand, gravel and cemented sand	15	627-642
Clay	7	642-649
Sand, clay and gravel streaks	14	649-663
Clay, lime and sandy clay streaks	15	663-678
Sand, lime and clay streaks	17	678-695
Lime, hard	1	695-696
Clay, lime and rock	4	696-700
Sand, clay and lime streaks	15	700-715
Clay and lime streaks	4	715-719
Sand, clay, shale and lime streaks	12	719-731
Clay and sandy clay	5	731-736
Sand, gravel, lime and clay streaks	40	736-776
Clay, sandy clay and sand streaks	32	776-808
Sand	2	808-810
Clay and shale streaks	17	810-827
Sand, fine gravel and shale streaks	32	827-859
Clay	27	859-886
Sand and clay streaks	50	886-936
Clay and sand streaks	6	936-942
Clay	6	942-948
Sand and clay	18	948-966
Clay	11	966-977
Sand	7	977-984

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-28-210--Continued

Clay	2	984- 986
Sand	6	986- 992
Clay and lime streaks	3	992- 995
Sand and clay streaks	7	995-1,002
Clay, lime streaks and sand	7	1,002-1,009
Sand and clay	5	1,009-1,014
Sand, clay and lime streaks	18	1,014-1,032
Sand and clay	9	1,032-1,041
Clay	11	1,041-1,052
Sand and clay streaks	18	1,052-1,070
Clay	8	1,070-1,078
Sand and clay streaks	5	1,078-1,083
Clay	22	1,083-1,105
Clay, sandy clay and sand streaks	21	1,105-1,126
Clay	5	1,126-1,131
Clay, sand and shale streaks and little gravel	43	1,131-1,174
Sand, clay streaks, lime and gravel	20	1,174-1,194
Clay, sand streaks and sandy clay	10	1,194-1,204
Clay	97	1,204-1,301
Clay, soft	9	1,301-1,310
Clay	7	1,310-1,317
Clay, soft	31	1,317-1,348
Clay	30	1,348-1,378
Clay and few shale streaks	18	1,378-1,396
Clay, sandy and clay	12	1,396-1,408
Shale and sandy shale	4	1,408-1,412
Shale, sandy and shale	6	1,412-1,418
Shale, sandy, shale and sand streaks	42	1,418-1,460
Clay and shale	40	1,460-1,500

Well JY-65-28-211
Owner: Fort Bend County Municipal Utility District 42, Well No. 1
Driller: Alsay Incorporated

Description	Thickness (feet)	Depth interval (feet)
Clay, red and brown	22	0- 22
Sand	31	22- 53
Sand and gravel	77	53- 130

Well JY-65-28-211--Continued

Clay, red	11	130- 141
Sand	29	141- 170
Gravel with sand	108	170- 278
Clay, white	6	278- 284
Sand	97	284- 381
Clay, gray	17	381- 398
Sand	8	398- 406
Shale	6	406- 412
Sand	10	412- 422
Shale with small amount of gray clay	20	422- 442
Sand	46	442- 488
Clay, white	7	488- 495
Sand and gravel	33	495- 528
Clay, brown and white	35	528- 563
Sand and gravel	57	563- 620
Clay, white	8	620- 628
Gravel with small amount of sand	68	628- 696
Sand with white clay	87	696- 783
Sand with white clay streaks	58	783- 841
Sand	49	841- 890
Sand with trace of white clay	74	890- 964
Sand	106	964-1,070
Gravel and small streaks of shale	21	1,070-1,091
Sand	27	1,091-1,118
Clay, blue and shale	25	1,118-1,143
Sand	76	1,143-1,219
Shale and some clay	28	1,219-1,247
Gravel and sand	33	1,247-1,280
Shale and some clay	28	1,280-1,247
Clay and some shale	44	1,247-1,324
Sand	10	1,324-1,334
Clay, brown and shale	88	1,334-1,422
Sand	51	1,422-1,473
Clay, white with brown clay	27	1,473-1,500

Well JY-65-28-213
Owner: 5th Street Grocery
Driller: Geophysical Drilling, Inc.

Description	Thickness (feet)	Depth interval (feet)
Sand	20	0- 20
Sand and clay	40	20- 60
Clay and sand	20	60- 80
Sand	20	80-100
Sand and red clay	20	100-120
Clay	100	120-220
Clay and sand	20	220-240
Clay	94	240-334
Sand	18	334-352

Well JY-65-28-309
Owner: Blue Ridge Municipal Utility District, Chasewood, Well No. 1
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	3	0- 3
Clay and sand	43	3- 46
Sand and clay streaks	84	46-130
Clay and sand streaks	117	130-247
Sand and clay streaks	37	247-284
Clay, sandy and sand streaks	16	284-300
Sand	20	300-320
Clay, sandy and clay	34	320-354
Sand and sandy clay	58	354-412
Shale	19	412-431
Sand	6	431-437
Shale and sandy shale	15	437-452
Shale, sandy and sand streaks	36	452-488
Sand and shale streaks	22	488-510
Shale	38	510-548
Sand and shale streaks	23	548-571
Shale, sandy	9	571-580
Sand and hard layers	56	580-636
Shale	34	636-670
Sand	14	670-684

Well JY-65-28-309--Continued

Shale	17	684- 701
Sand	39	701- 740
Shale	7	740- 747
Sand, coarse and gravel, fine	51	747- 798
Shale	16	798- 814
Sand	29	814- 843
Shale	6	843- 849
Shale and sand breaks	38	849- 887
Sand and sandy shale and shale breaks	43	887- 930
Sand and shale breaks, few	72	930-1,002
Sand and lime layers, hard	18	1,002-1,020
Shale	22	1,020-1,042
Shale, sandy and sand	88	1,042-1,130
Sand and shale breaks	85	1,130-1,215
Shale and sand breaks	35	1,215-1,250

Well JY-65-28-310
Owner: Willowisp Country Club
Driller: Bussell and Son, Inc.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	2	0- 2
Unconsolidated	318	2- 320
Sand	12	320- 332
Shale	18	332- 350
Sand	15	350- 365
Shale	21	365- 386
Sand	12	386- 398
Shale	16	398- 414
Sand	10	414- 424
Shale	59	424- 483
Sand	21	483- 504

Well JY-65-28-313
Owner: Fort Bend County Municipal Utility District 26
Driller: Layne-Western Co., Inc.

Description	Thickness (feet)	Depth interval (feet)
Unrecorded	35	0- 35
Sand	5	35- 40

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-28-313--Continued		
Clay	3	40- 43
Sand	12	43- 55
Clay	8	55- 63
Sand	20	63- 83
Sand and clay streaks	19	83-102
Sand	20	102-122
Clay	9	122-131
Sand	18	131-149
Clay	3	149-152
Sand	18	152-170
Clay and sand streaks	5	170-175
Sand and clay streaks	7	175-182
Clay	2	182-184
Sand	3	184-187
Clay and sand streaks	6	187-193
Sand	16	193-209
Sand and clay streaks	6	209-215
Sand	15	215-230
Clay	10	230-240
Sand and clay	9	240-249
Clay and sand	31	249-280
Sand	19	280-299
Clay	11	299-310
Sand	58	310-368
Clay and sand streaks	17	368-385
Sand	43	385-428
Clay	7	428-435
Clay and sand streaks	30	435-465
Sand	33	465-498
Clay and sand	45	498-543
Sand	37	543-580
Sand and clay streaks	11	580-591
Clay	14	591-605
Sand with clay streaks	25	605-630
Sand	11	630-641
Sand and clay streaks	12	641-653
Sand	16	653-669

Well JY-65-28-313--Continued		
Clay	4	669- 673
Sand and clay streaks	18	673- 691
Sand and hard streaks	9	691- 700
Clay	15	700- 715
Sand	2	715- 717
Clay and sand streaks	6	717- 723
Sand and hard streaks	6	723- 729
Sand and clay streaks	17	729- 746
Sand	7	746- 753
Clay and sand with hard streaks	8	753- 761
Clay	9	761- 770
Sand	6	770- 776
Clay	3	776- 779
Sand	21	779- 800
Clay	10	800- 810
Sand and clay streaks	40	810- 850
Clay	13	850- 863
Sand	7	863- 870
Clay	3	870- 873
Sand	24	873- 897
Clay and sand streaks	15	897- 912
Sand and clay streaks	9	912- 921
Sand	29	921- 950
Clay	14	950- 964
Sand	81	964-1,045
Shale	6	1,045-1,051
Sand	37	1,051-1,088
Shale with sand streaks	31	1,088-1,119
Sand	15	1,119-1,134
Shale and limestone	10	1,134-1,144
Shale and sand streaks	6	1,144-1,150
Sand	22	1,150-1,172
Shale	8	1,172-1,180
Sand	53	1,180-1,233
Shale with sand streaks	20	1,233-1,253
Sand and shale	47	1,253-1,300

Well JY-65-28-314
Owner: Fort Bend County Municipal Utility District 26
Driller: Bussell and Son, Inc.

Description	Thickness (feet)	Depth interval (feet)
Unconsolidated	320	0-320
Sand, production	83	320-403

Well JY-65-28-317
Owner: Willowisp Country Club
Driller: Bussell and Son, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay	25	0- 25
Sand	19	25- 44
Clay	18	44- 62
Sand	5	62- 67
Rock and sand	77	67-144
Clay	48	144-192
Sand	18	192-210
Clay	102	210-312
Sand	4	312-316
Clay	10	316-326
Sand	11	326-337
Clay	12	337-349
Sand	16	349-365
Clay	20	365-385
Sand	17	385-402
Clay	8	402-410
Sand	20	410-430
Clay	50	430-480
Sand	25	480-505

Well JY-65-28-504
Owner: R. T. Herrin
Driller: American Drilling Co.

Description	Thickness (feet)	Depth interval (feet)
Surface	15	0- 15
Sand, red	6	15- 21
Clay, red	59	21- 80
Sand, coarse	30	80-110

Well JY-65-28-505
Owner: Thunderbird Utility District
Driller: Texas Water Wells, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay and sand	120	0- 120
Sand, fine grain	50	120- 170
Shale, sandy	70	170- 240
Shale	40	240- 280
Shale and sand	40	280- 320
Shale, sandy	50	320- 370
Sand, with shale streaks	325	370- 695
Lime streaks	35	695- 730
Sand, with streaks of fine gravel or coarse sand	410	730-1,140
Shale, sticky	60	1,140-1,200

Well JY-65-28-506
Owner: Quail Valley Utility District, Well No. 1
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	4	0- 4
Shale, brown	56	4- 60
Sand, coarse	70	60- 130
Shale, brown, hard sticky	53	130- 183
Sand and gravel	65	183- 248
Shale, hard	114	248- 362
Sand	15	362- 377
Shale	35	377- 412
Shale, sandy and sand	32	412- 444
Shale	43	444- 487
Sand and shale breaks	32	487- 519
Shale and sandy shale	13	519- 532
Sand and sandy shale	17	532- 549
Shale	41	549- 590
Sand, broken	27	590- 617
Shale	12	617- 629
Sand and shale breaks	31	629- 660
Shale, hard	30	660- 690
Sand	6	690- 696

Well JY-65-28-506--Continued

Sand, coarse	25	696- 721
Shale, blue	26	721- 747
Sand, coarse	82	747- 829
Shale, blue	25	829- 854
Sand, coarse and gravel	44	854- 898
Shale	24	898- 922
Sand	13	922- 935
Shale	8	935- 943
Sand and shale streaks	10	943- 953
Sand	39	953- 992
Shale	20	992-1,012
Sand, broken	64	1,012-1,076
Shale	6	1,076-1,082
Sand and hard streaks	21	1,082-1,103
Shale and sand streaks	11	1,103-1,114
Sand and sand shale	21	1,114-1,135
Shale and sand streaks	17	1,135-1,152
Shale, sticky	11	1,152-1,163
Sand, broken	27	1,163-1,190
Shale	10	1,190-1,200

Well JY-65-28-507
Owner: Thunderbird Utility District, Well No. 3
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Sand	15	0- 15
Clay	25	15- 40
Sand and clay streaks	150	40- 190
Shale	35	190- 225
Sand	20	225- 245
Shale and sand streaks	115	245- 360
Sand and shale streaks	16	360- 376
Shale and sand streaks	34	376- 410
Sand and sandy shale	70	410- 480
Shale and sand streaks	55	480- 535
Sand	10	535- 545
Shale and sand streaks	88	545- 633

Well JY-65-28-507--Continued

Sand	35	633- 668
Shale	17	668- 685
Sand	47	685- 732
Shale	24	732- 756
Sand	28	756- 784
Shale	11	784- 795
Sand	33	795- 828
Sand and shale streaks	53	828- 881
Shale	31	881- 912
Sand	20	912- 932
Shale and sand streaks	28	932- 960
Sand	80	960-1,040
Shale and sand streaks	40	1,040-1,080
Sand	10	1,080-1,090
Shale and sand streaks	60	1,090-1,150
Sand and shale streaks	62	1,150-1,212

Well JY-65-28-508
Owner: Quail Valley Utility District, Well No. 2
Driller: Layne-Western Co., Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay	4	0- 4
Sand, gravel and streaks	60	4- 64
Clay, sandy	66	64- 130
Clay	11	130- 141
Sand	11	141- 152
Clay	33	152- 185
Sand	66	185- 251
Clay	116	251- 367
Sand	21	367- 388
Clay	4	388- 392
Sand	8	392- 400
Clay	29	400- 429
Sand	23	429- 452
Clay	6	452- 458
Sand	7	458- 465
Clay	21	465- 486

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-28-508--Continued

Sand	41	486- 527
Clay	170	527- 697
Sand	17	697- 714
Sand, stone	1	714- 715
Sand	14	715- 729
Clay	22	729- 751
Sand	15	751- 766
Rock	3	766- 769
Sand	4	769- 773
Clay	19	773- 792
Sand, gravel	206	792- 998
Clay	4	998-1,002
Rock	3	1,002-1,005
Sand	155	1,005-1,160
Clay	8	1,160-1,168
Sand	30	1,168-1,198
Clay	17	1,198-1,215
Sand	93	1,215-1,308
Clay	5	1,308-1,313
Unrecorded	7	1,313-1,320

Well JY-65-28-509
Owner: Palmer Plantation Municipal Utility District 1, Well No. 1
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Dirt	13	0- 13
Sand	67	13- 80
Clay	20	80- 100
Sand	24	100- 124
Clay	12	124- 136
Sand and clay	45	136- 181
Clay	24	181- 205
Sand	43	205- 248
Shale	8	248- 256
Sand	21	256- 277
Shale and sand streaks	66	277- 343
Shale	39	343- 382

Well JY-65-28-509--Continued

Sand	26	382- 408
Shale	40	408- 448
Sand and shale streaks	11	448- 459
Shale	51	459- 510
Sand and shale streaks	22	510- 532
Shale	12	532- 544
Shale and sand streaks	41	544- 585
Shale	17	585- 602
Sand and shale streaks	33	602- 635
Shale	9	635- 644
Sand and few shale streaks	31	644- 675
Shale	32	675- 707
Clay and sandy clay	7	707- 714
Shale and clay	28	714- 742
Shale and sand streaks	10	742- 752
Shale	15	752- 767
Sand and clay streaks	9	767- 776
Shale	22	776- 798
Clay, sandy clay and shale	62	798- 860
Sand and clay	25	860- 885
Shale	29	885- 914
Clay and sandy clay	32	914- 946
Shale and clay	35	946- 981
Shale, sand and clay	29	981-1,010
Sand and clay streaks	25	1,010-1,035
Shale and lime streaks	5	1,035-1,040
Sand and clay	21	1,040-1,061
Clay, sandy and lime streaks	13	1,061-1,074
Shale and lime streaks	3	1,074-1,077
Clay and sandy streaks	15	1,077-1,092
Lime and sandy streaks	6	1,092-1,098
Lime	7	1,098-1,105
Shale	34	1,105-1,139
Sand	28	1,139-1,167
Shale and sand streaks	7	1,167-1,174
Shale, sandy	17	1,174-1,191
Sand	8	1,191-1,199

Well JY-65-28-509--Continued

Clay, sandy	9	1,199-1,208
Clay and shale	13	1,208-1,221

Well JY-65-28-510
Owner: Fort Bend County Municipal Utility District 46, Well No. 1
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Clay, black and red	24	0- 24
Gravel	11	24- 35
Sand	53	35- 88
Wood	7	88- 95
Sand and clay streaks	92	95- 187
Sand	25	187- 212
Sand with few clay streaks	24	212- 236
Shale	28	236- 264
Sand with shale streaks	14	264- 278
Shale	72	278- 350
Sand with shale breaks	58	350- 408
Shale	18	408- 426
Sand	7	426- 433
Shale and lime streaks	77	433- 510
Shale	20	510- 530
Sand	67	530- 597
Shale	25	597- 622
Sand	67	622- 689
Shale	31	689- 720
Sand and shale streaks	98	720- 818
Shale	47	818- 865
Sand and shale streaks	59	865- 924
Sand	34	924- 958
Sand and shale streaks	97	958-1,055
Sand and hard lime streaks	22	1,055-1,077
Shale	4	1,077-1,081
Sand and lime streaks	31	1,081-1,112
Shale	41	1,112-1,153
Shale, sandy and sand streaks	31	1,153-1,184
Sand	46	1,184-1,230
Shale and lime streaks	6	1,230-1,236

Well JY-65-28-603
Owner: Quail Valley Utility District, Well No. 2
Driller: Texas Water Wells, Inc.

Description	Thickness (feet)	Depth interval (feet)
Surface	4	0- 4
Clay	11	4- 15
Sand	48	15- 63
Clay	24	63- 87
Sand	12	87- 99
Clay	6	99-105
Clay, sandy	16	105-121
Sand and gravel	31	121-152
Clay	14	152-166
Sand	25	166-191
Clay	29	191-220
Sand	4	220-224
Clay and sand streaks	9	224-233
Clay	30	233-263
Sand	15	263-278
Clay	42	278-320
Sand	11	320-331
Clay and sandy streaks	60	331-391
Clay	12	391-403
Shale	53	403-456
Sand	19	456-475
Shale	66	475-541
Sand	17	541-558
Shale	76	558-634
Sand	7	634-641
Shale, sandy	12	641-653
Sand	39	653-692
Shale	13	692-705
Sand	38	705-743
Shale, sandy	48	743-791
Sand	62	791-853
Shale	6	853-859
Sand	28	859-887
Shale	10	887-897

Well JY-65-28-603--Continued

Sand	53	897- 950
Shale, sand	20	950- 970
Sand	38	970-1,008
Shale	26	1,008-1,034
Sand	26	1,034-1,060
Shale	2	1,060-1.062
Sand	56	1,062-1,118
Shale	1	1,118-1,119
Sand	6	1,119-1,125
Shale, sandy	11	1,125-1,136

Well JY-65-28-605
Owner: Fort Bend County Municipal Utility District 45
Driller: Layne-Western Co., Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay	16	0- 16
Sand	10	16- 26
Clay	4	26- 30
Sand	37	30- 67
Clay	15	67- 82
Sand	94	82- 176
Clay	14	176- 190
Shale, sandy	20	190- 210
Sand	29	210- 239
Shale	94	239- 333
Shale, sandy	20	333- 353
Shale	47	353- 400
Sand	47	400- 447
Shale	46	447- 493
Sand	5	493- 498
Shale	7	498- 505
Sand	17	505- 522
Shale	28	522- 550
Sand	10	550- 560
Shale	27	560- 587
Sand	5	587- 592
Shale, sandy	36	592- 628
Sand	15	628- 643

Well JY-65-28-605--Continued

Shale	57	643- 700
Sand	19	700- 719
Shale	3	719- 722
Sand	10	722- 732
Shale	19	732- 751
Sand	85	751- 836
Shale	7	836- 843
Sand	19	843- 862
Shale	2	862- 864
Sand	129	864- 993
Shale	7	993-1,000

Well JY-65-28-606
Owner: Houston International Teleport, Incorporated
Driller: Raymond Water Wells

Description	Thickness (feet)	Depth interval (feet)
Topsoil and black clay	20	0- 20
Clay, gray	40	20- 60
Sand	20	60- 80

Well JY-65-28-702
Owner: Glen R. Shultz
Driller: Almeda Water Well Service

Description	Thickness (feet)	Depth interval (feet)
Soil	2	0- 2
Clay, red	12	2- 14
Sand and gravel	41	14- 55
Clay, red-to-blue	44	55- 99
Sand, brown-to-white	60	99- 159
Clay, red-to-blue	40	159- 199
Sand, white	47	199- 246

Well JY-65-28-704
Owner: John B. Hasty
Driller: Ellis Water Well Drilling

Description	Thickness (feet)	Depth interval (feet)
Topsoil, reddish brown	5	0- 5
Clay, red-to-gray	20	5- 25
Strips of sand and clay, gray	45	25- 70

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-28-704--Continued

Clay, red-to-gray	35	70-105
Sand, fair gravel	35	105-140
Clay, red-to-gray	50	140-190
Sand, fair-to-coarse	22	190-212
Clay, gray	2	212-214
Sand, very coarse-to-gravel	19	214-233

Well JY-65-28-705
Owner: Robert C. Newton
Driller: Ellis Water Well Drilling

Description	Thickness (feet)	Depth interval (feet)
Topsoil, reddish brown	6	0- 6
Clay, red-to-gray	24	6- 30
Sand and gravel strips	50	30- 80
Clay, red	20	80-100
Sand, fair coarse	50	100-150
Clay, red-to-gray	45	150-195
Sand, fair	17	195-212
Clay, grayish	3	212-215
Sand, extra coarse	22	215-237

Well JY-65-28-706
Owner: Newberne
Driller: Ellis Water Well Drilling

Description	Thickness (feet)	Depth interval (feet)
Topsoil, reddish brown	6	0- 6
Clay, red and gray	19	6- 25
Sand, coarse and gravel	45	25- 70
Clay, red and gray	50	70-120
Sand, coarse, strips	50	120-170
Clay, red and gray	20	170-190
Sand, fair coarse	30	190-220
Clay, gray, strips	10	220-230
Sand, very hard, coarse	20	230-250

Well JY-65-28-707
Owner: Charles J. Shuman
Driller: Ellis Water Well Drilling

Description	Thickness (feet)	Depth interval (feet)
Topsoil, blackish brown	2	0- 2
Soil, red, sandy	4	2- 6
Clay, red and gray	24	6- 30
Sand, fair-to-gravel	50	30- 80
Clay, red and gray	30	80-110
Sand and gravel strips	50	110-160
Clay, reddish gray	25	160-185
Sand, fair-to-coarse	30	185-215
Clay, gray	10	215-225
Sand and gravel strips	25	225-250
Clay, reddish gray	20	250-270
Sand, fair-to-very coarse	33	270-303

Well JY-65-28-708
Owner: Bill Cayan
Driller: Ellis Water Well Drilling

Description	Thickness (feet)	Depth interval (feet)
Topsoil, brownish	5	0- 5
Clay, red and gray	21	5- 26
Sand, light brownish	9	26- 35
Sand, quick	35	35- 70
Clay, red-to-gray	42	70-112
Sand, fair coarse and gravel	36	112-148
Clay, red-to-gray	47	148-195
Sand, fair coarse	20	195-215
Clay, gray	5	215-220
Sand, coarse and gravel	48	220-268

Well JY-65-28-709
Owner: Drake Williams
Driller: Ellis Water Well Drilling

Description	Thickness (feet)	Depth interval (feet)
Topsoil, brownish red	5	0- 5
Clay, red and gray	30	5- 35
Sand and sand rock, strips	55	35- 90

Well JY-65-28-709--Continued

Clay, red-to-gray	30	90-120
Sand and gravel, strips	40	120-160
Clay, red-to-gray	35	160-195
Sand and clay, strips	45	195-240
Clay, red-to-gray, sticky	38	240-278
Sand, very coarse and gravel	25	278-303

Well JY-65-28-710
Owner: Peter Mellan
Driller: Ellis Water Well Drilling

Description	Thickness (feet)	Depth interval (feet)
Topsoil, brownish red	5	0- 5
Clay, red-to-gray	35	5- 40
Sand and gravel strips	45	40- 85
Clay, red	25	85-110
Sand and gravel	45	110-155
Clay, red-to-gray	30	155-185
Sand, fair coarse	30	185-215
Clay, gray	10	215-225
Sand, good coarse	17	225-242

Well JY-65-28-711
Owner: Arthur Kennedy
Driller: Ellis Water Well Drilling

Description	Thickness (feet)	Depth interval (feet)
Topsoil, reddish brown	6	0- 6
Clay, red and gray	27	6- 33
Sand and gravel, strips	57	33- 90
Clay, red-to-gray	20	90-110
Sand and gravel strips	50	110-160
Clay, red and gray, sticky	40	160-200
Sand, fair coarse	10	200-210
Clay, gray	11	210-221
Sand, very coarse and gravel	22	221-243

Well JY-65-28-808
Owner: Hurricane Steel Industries
Driller: Wellco Water Well Drilling Co.

Description	Thickness (feet)	Depth interval (feet)
Soil and clay	23	0- 23
Sand	17	23- 40
Sand and gravel	20	40- 60
Gravel	20	60- 80
Gravel	20	80-100
Clay	20	100-120
Sand, strips and clay	20	120-140
Clay	20	140-160
Sand	20	160-180
Clay and fine sand	20	180-200
Rock and clay	20	200-220
Clay	20	220-240
Sand and clay	20	240-260
Clay and rock	20	260-280
Clay	20	280-300
Rock and clay	20	300-320
Sand, coarse	20	320-340
Sand, fine	20	340-360
Clay	20	360-380
Rock and clay	20	380-400
Clay	20	400-420
Sand, fine	20	420-440
Clay, sand and shale	20	440-460
Shale, blue	20	460-480
Clay	20	480-500
Rock and clay	20	500-520
Sand, coarse	40	520-560

Well JY-65-28-902
Owner: Waterbrook
Driller: Almeda Water Well Service

Description	Thickness (feet)	Depth interval (feet)
Topsoil	3	0- 3
Clay	3	3- 6
Sand	24	6- 30

Well JY-65-28-902--Continued

Clay	3	30- 33
Sand	39	33- 72
Clay	18	72- 90
Sand and rock	1	90- 91
Clay	14	91-105

Well JY-65-28-903
Owner: Bill Senior
Driller: Almeda Water Well Service

Description	Thickness (feet)	Depth interval (feet)
Topsoil	3	0- 3
Clay, red	3	3- 6
Sand, red	38	6- 44
Clay, white	9	44- 53
Sand, white	5	53- 58
Gravel	23	58- 81
Clay	1	81- 82

Well JY-65-29-109
Owner: City of Houston, Ridgemont, Well No. 2
Driller: Alsay-Texas Corporation

Description	Thickness (feet)	Depth interval (feet)
Clay, black	10	0- 10
Clay, red	8	10- 18
Sand, red	5	18- 23
Clay, red	5	23- 28
Sand	3	28- 31
Clay, blue	22	31- 53
Sand, gray	30	53- 83
Clay, red and sand	26	83-109
Clay, red and gravel	26	109-135
Gravel	30	135-165
Clay, sandy	15	165-180
Clay with gravel	18	180-198
Sand	42	198-240
Clay, red	15	240-255
Clay, sandy	9	255-264
Clay	14	264-278

Well JY-65-29-109--Continued

Clay, sandy streaks	197	278- 475
Clay, red	50	475- 525
Sand and clay	50	525- 575
Sand	10	575- 585
Clay, sandy	10	585- 595
Clay, red	10	595- 605
Clay, red	10	605- 615
Clay, red and sand	10	615- 625
Clay, red	10	625- 635
Clay, red	10	635- 645
Clay, red with gravel	10	645- 655
Clay, red and blue	10	655- 665
Sand	10	665- 675
Sand with red clay streaks	10	675- 685
Sand	10	685- 695
Sand with clay streaks	20	695- 715
Sand	10	715- 725
Sand and red clay	10	725- 735
Sand with red clay streaks	20	735- 755
Sand	10	755- 765
Sand	10	765- 775
Clay, red	20	775- 795
Sand with blue clay streaks	95	795- 890
Clay, blue with sand streaks	15	890- 905
Sand with blue clay streaks	20	905- 925
Clay, blue with sand streaks	39	925- 964
Sand	10	864- 974
Clay, blue with sand streaks	8	974- 982
Clay, blue	3	982- 985
Sand	10	985- 995
Sand	10	995-1,005
Sand with red clay streaks	10	1,005-1,015
Sand with red clay streaks	10	1,015-1,025
Sand, white	10	1,025-1,035
Sand and blue clay streaks	10	1,035-1,045
Sand and clay streaks	10	1,045-1,055
Clay, blue very hard	10	1,055-1,065

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-29-109--Continued

Clay, hard and sand	10	1,065-1,075
Sand and blue shale	16	1,075-1,091
Sand and fine gravel	144	1,091-1,235
Sand	20	1,235-1,255
Sand, white, hard	20	1,255-1,275
Sand, white	10	1,275-1,285
Sand	20	1,285-1,305
Sand with blue clay streaks	10	1,305-1,315
Sand	20	1,315-1,335
Clay, light blue and sand	10	1,335-1,345
Sand with trace of gravel	10	1,345-1,355
Sand and blue clay	10	1,355-1,365
Clay and shale	36	1,365-1,401
Sand	5	1,401-1,406
Clay and shale	49	1,406-1,455
Sand, white and gravel	48	1,455-1,503
Clay	2	1,503-1,505

Well JY-65-29-209
Owner: City of Houston, Ridgemont, Well No. 1
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Clay	27	0- 27
Clay, sandy	26	27- 53
Sand	20	53- 73
Sand and gravel	98	73- 171
Clay and sand	23	171- 194
Sand and clay, sandy	22	194- 216
Sand	16	216- 232
Clay	53	232- 285
Sand	25	285- 310
Shale, sandy	16	310- 326
Sand, broken	33	326- 359
Shale	17	359- 376
Sand and lime streaks	22	376- 398
Shale	29	398- 427
Sand and lime streaks	56	427- 483

Well JY-65-29-209--Continued

Shale and sand streaks	63	483- 546
Sand and gravel	19	546- 565
Shale and sand streaks	75	565- 640
Sand and shale, sandy	38	640- 678
Shale and sand streaks	67	678- 745
Shale	8	745- 753
Sand, broken	118	753- 871
Shale	7	871- 878
Sand and shale	20	878- 898
Shale and sandy streaks	50	898- 948
Sand	9	948- 957
Shale and lime streaks	59	957-1,016
Rock	3	1,016-1,019
Shale	31	1,019-1,050
Shale with streaks of sand and lime	27	1,050-1,077
Sand, broken	31	1,077-1,108
Shale	5	1,108-1,113
Sand, broken	33	1,113-1,146
Shale	19	1,146-1,165
Sand	13	1,165-1,178
Shale	13	1,178-1,191
Shale, sandy and sand streaks	59	1,191-1,250

Well JY-65-29-515
Owner: Witco Chemical Corporation
Driller: B. J. Swinehart Co.

Description	Thickness (feet)	Depth interval (feet)
Unrecorded	417	0- 417
Clay	23	417- 440
Sand, fine	22	440- 462
Clay	23	462- 485
Sand, broken	10	485- 495
Clay	29	495- 524
Sand	3	524- 527
Clay	52	527- 579
Sand, good	16	579- 595
Clay	23	595- 618

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-29-516
Owner: Heat Exchangers, Inc.
Driller: Almeda Water Well Service

Description	Thickness (feet)	Depth interval (feet)
Soil	2	0- 2
Clay, white and blue	34	2- 36
Sand and gravel	76	36-112
Clay, red	8	112-120
Sand, red and fine	5	120-125
Clay, red	13	125-138
Sand, brown	27	138-165
Clay, red	23	165-188
Sand, brown	20	188-208
Clay, blue	6	108-214
Sand, white	34	214-248
Clay, red and blue	92	248-340
Sand, white	25	340-365

Well JY-65-29-517
Owner: Witco Chemical Corporation
Driller: H&H Water Well Drilling

Description	Thickness (feet)	Depth interval (feet)
Clay	-	-
Sand	-	-
Clay	-	-
Sand	-	-
Clay	-	0-245
Sand	10	245-255
Clay	65	255-320
Sand	32	320-352
Clay	17	352-369
Sand	15	369-384
Clay	32	384-416
Sand	12	416-428
Clay	62	428-490
Sand	20	490-510
Clay	12	510-522
Sand	22	522-544
Clay	11	544-555

Well JY-65-29-517--Continued

Sand	7	555-562
Clay	19	562-581
Sand	15	581-596

Well JY-65-29-518
Owner: Witco Chemical Corporation
Driller: Almeda Water Well Service

Description	Thickness (feet)	Depth interval (feet)
Topsoil	2	0- 2
Clay, white	10	2- 12
Sand, red	9	12- 21
Clay, red	9	21- 30
Sand, red	4	30- 34
Sand and gravel	46	34- 80
Clay, yellow	67	80-147
Sand, tan	6	147-153
Clay, red	80	153-233
Sand	6	233-239
Clay, gray	39	239-278
Sand	8	278-286
Clay, red	63	286-349
Sand, white	16	349-365
Clay	2	365-367
Sand	8	367-375
Clay	4	375-379

Well JY-65-29-705
Owner: W. E. Gantenbien
Driller: Almeda Water Well Service

Description	Thickness (feet)	Depth interval (feet)
Soil	3	0- 3
Clay, red and gray	19	3- 22
Sand, brown and white	52	22- 74
Clay, blue	1	74- 75
Sand, white	13	75- 88
Clay, red and blue	45	88-133
Sand, white	27	133-160
Clay, red	20	160-180

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-29-705--Continued

Sand	2	180- 182
Clay, red	260	182- 442
Sand, white	8	442- 450
Clay, blue	8	450- 458
Sand, white	10	458- 468
Clay, red	120	468- 588

Well JY-65-29-706
Owner: Fort Bend County Municipal Utility District 23, Well No. 1
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Clay, black	17	0- 17
Sand	71	17- 88
Clay	20	88- 108
Clay and sand streaks	112	108- 220
Clay	52	220- 272
Sand and clay streaks	24	272- 296
Clay	34	296- 330
Sand	68	330- 398
Clay	72	398- 470
Sand	25	470- 495
Shale and sand streaks	28	495- 523
Sand and shale layers	112	523- 635
Sand	40	635- 675
Sand and shale	36	675- 711
Sand and shale layers	117	711- 828
Shale	18	828- 846
Sand and shale layers	30	846- 876
Sand	72	876- 948
Shale	36	948- 984
Sand	10	984- 994
Shale	5	994- 999
Sand	26	999-1,025
Shale	17	1,025-1,042
Sand	70	1,042-1,112
Shale	4	1,112-1,116
Sand	20	1,116-1,136

Well JY-65-29-706--Continued

Sand and shale layers	49	1,136-1,185
Shale	12	1,185-1,197
Sand layers, shale and lime	89	1,197-1,286
Shale	8	1,286-1,294
Sand and shale broken	38	1,294-1,332
Shale	6	1,332-1,338

Well JY-65-29-812
Owner: Bud Romine
Driller: Almeda Water Well Service

Description	Thickness (feet)	Depth interval (feet)
Fill and soil	5	0- 5
Clay, red-to-gray	14	5- 19
Sand, brown	10	19- 29
Clay, blue	32	29- 61
Sand, white	10	61- 71
Clay, red	66	71- 137
Sand, brown	14	137- 151
Clay	2	151- 153
Sand, white	19	153- 172
Clay, red	1	172- 173

Well JY-65-29-813
Owner: Fresno Fire Department
Driller: Almeda Water Well Service

Description	Thickness (feet)	Depth interval (feet)
Soil	2	0- 2
Clay, white	12	2- 14
Sand, tan	7	14- 21
Clay, yellow	2	21- 23
Sand, tan	31	23- 54
Clay	1	54- 55
Sand, tan	10	55- 65
Clay	2	65- 67
Sand, salt and pepper with gravel	7	67- 74
Shale	3	74- 77

Well JY-65-33-110
Owner: Kramer Brothers
Driller: Leonard W. Mickelson

Description	Thickness (feet)	Depth interval (feet)
Topsoil and clay	20	0- 20
Sand	41	20- 61
Clay	11	61- 72
Sand and gravel	83	72- 155
Clay	16	155- 171
Sand, rocky	37	171- 208
Clay	6	208- 214
Sand	20	214- 234
Clay	10	234- 244
Sand, rocky	132	244- 376
Clay	11	376- 387
Sand, rocky	83	387- 470
Clay	10	470- 480
Sand, rocky	36	480- 516
Clay	6	516- 522
Sand, rocky	52	522- 574

Well JY-65-33-209
Owner: Hudson Products Co.
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	10	0- 10
Sand	160	10- 170
Sand, fine gravel and logs	109	170- 279
Gravel and sand	201	279- 480
Gravel, sand and clay streaks	273	480- 753
Clay	12	753- 765
Sand	20	765- 785
Clay and sand streaks	105	785- 890
Sand and fine gravel	38	890- 928
Clay	6	928- 934
Sand	10	934- 944
Clay and sand streaks	20	944- 964
Shale	93	964-1,057
Shale and sand streaks	43	1,057-1,100

Well JY-65-33-209--Continued

Shale	30	1,100-1,130
Shale and sand streaks	84	1,130-1,214

Well JY-65-33-304
Owner: City of Beasley
Driller: Texas Water Wells, Inc.

Description	Thickness (feet)	Depth interval (feet)
Shale	12	0- 12
Sand	18	12- 30
Shale bed, red	31	30- 61
Sand	32	61- 93
Shale and sand streaks	9	93- 102
Sand	68	102- 170
Shale	50	170- 220
Sand	30	220- 250
Shale and sand streaks	20	250- 270
Sand	32	270- 302
Shale and sand	56	302- 358
Sand	32	358- 390
Lime	108	390- 498
Sand	56	498- 554
Shale	15	554- 569
Sand	15	569- 584
Shale	20	584- 604
Sand and shale streaks	130	604- 734
Shale, sandy	50	734- 784
Sand	50	784- 834
Shale	20	834- 854
Sand	40	854- 894
Shale	20	894- 914
Sand	35	914- 949
Shale	145	949-1,094
Shale, sandy	50	1,094-1,144

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-33-405
Owner: Kindleton-Prude Water Supply
Driller: Katy Drilling, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay	40	0- 40
Sand and gravel	50	40- 90
Clay	50	90-140
Sand and gravel	45	140-185
Clay	5	185-190
Sand and gravel	48	190-238
Clay	18	238-256
Sand and gravel	34	256-290
Clay	10	290-300
Sand and gravel	30	300-330
Clay	10	330-340
Sand, streaks and clay	30	340-370
Sand streaks and clay	45	370-415
Shale, sandy	35	415-450
Sand, clay streaks	40	450-490
Shale	25	490-515
Sand	50	515-565

Well JY-65-33-509
Owner: Jack Wendt
Driller: Katy Drilling, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay, surface	20	0- 20
Sand	28	20- 48
Clay	18	48- 66
Sand and gravel	85	66-151
Gravel	50	151-201
Clay	13	201-214
Sand	31	214-245
Clay	27	245-272
Sand and rock	36	272-308
Clay	22	308-330
Sand	40	330-370
Clay	25	370-395
Sand and rock	75	395-470

Well JY-65-33-509--Continued

Clay	8	470-478
Sand	29	478-507
Clay	10	507-517
Sand and rock	33	517-550
Clay	14	550-564
Sand and rock	59	564-623

Well JY-65-33-510
Owner: Jack Wendt
Driller: Katy Drilling, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay, surface	14	0- 14
Sand	90	14-104
Clay	66	104-170
Sand and gravel	33	170-203
Clay	9	203-212
Sand and gravel	44	212-256
Clay	9	256-265
Sand and gravel	42	265-307
Clay	18	307-325
Sand	27	325-352
Clay	18	352-370
Sand	16	370-386
Clay	7	386-393
Sand	19	393-412
Clay	6	412-418
Sand	33	418-451
Clay	20	451-471
Sand	24	471-495
Clay	13	495-508
Sand and rock	24	508-532
Clay	7	532-539
Sand	6	539-545
Clay	5	545-550
Sand and rock	41	550-591
Clay	9	591-600

Well JY-65-33-609
Owner: Clarence Danklefs
Driller: Katy Drilling, Inc.

Description	Thickness (feet)	Depth interval (feet)
Topsoil and clay	10	0- 10
Sand	30	10- 40
Sand and clay breaks	72	40-112
Clay	22	112-134
Sand	18	134-152
Clay	8	152-160
Sand	17	160-177
Clay	8	177-185
Sand and small clay breaks	71	185-256
Clay	5	256-261
Sand	30	261-291
Clay	30	291-321
Sand	42	321-363
Clay	24	363-387
Sand	63	387-450
Clay	12	450-462
Sand and rock	132	462-594
Clay	25	594-619

Well JY-65-33-610
Owner: Alboa Grass Farm
Driller: O. T. Davis and Sons

Description	Thickness (feet)	Depth interval (feet)
Clay, red	4	0- 4
Sand, fine	30	4- 34
Clay	31	34- 65
Clay	19	65- 84
Sand and gravel	36	84-120
Clay and shale	38	120-158
Gravel	22	158-180
Sand, hard broken	3	180-183
Sand and gravel	38	183-221
Shale	8	221-229
Sand and gravel	18	229-247

Well JY-65-33-611
Owner: T. W. Sod, Limited
Driller: Critendon Drilling Service, Inc.

Description	Thickness (feet)	Depth interval (feet)
Sand, surface	4	0- 4
Clay, brown	60	4- 64
Sand, fine, brown	9	64- 73
Clay, brown	36	73-109
Sand and gravel, brown	29	109-138
Sand, white, medium-to-coarse	26	138-164
Clay and sand	3	164-167
Sand	2	167-169
Clay, brown	16	169-185

Well JY-65-33-612
Owner: T. W. Sod, Limited
Driller: Critendon Drilling Service, Inc.

Description	Thickness (feet)	Depth interval (feet)
Sand, surface	4	0- 4
Clay, brown	60	4- 64
Sand, fine, brown	9	64- 73
Clay, brown	36	73-109
Sand and gravel	29	109-138
Sand, white, medium-to-coarse	26	138-164
Clay and sand	3	164-167
Sand	2	167-169
Clay, brown	16	169-185

Well JY-65-33-906
Owner: Alboa Grass Farm
Driller: O. T. Davis and Sons

Description	Thickness (feet)	Depth interval (feet)
Clay	40	0- 40
Sand	20	40- 60
Clay	20	60- 80
Sand and shale, broken	15	80- 95
Sand	5	95-100
Clay	20	100-120

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-33-906--Continued

Gravel	60	120-180
Clay	5	180-185
Gravel	25	185-210
Clay	20	210-230
Gravel	25	230-255
Clay	5	255-260
Sand and gravel	25	260-285

Well JY-65-33-907
Owner: D. F. G. Farms
Driller: Pesak Water Well Service

Description	Thick-ness (feet)	Depth interval (feet)
Clay	15	0- 15
Sand	6	15- 21
Clay	31	21- 52
Sand	53	52-105
Clay	15	105-120
Sand	10	120-130
Sand, coarse	45	130-175
Gravel	20	175-195

Well JY-65-34-714
Owner: Tom Bosse
Driller: Critendon Drilling Service, Inc.

Description	Thick-ness (feet)	Depth interval (feet)
Clay, sandy	2	0- 2
Clay, sandy, gray	11	2- 13
Sand, white	27	13- 40
Clay, brown	19	40- 59
Sand, coarse, brown	32	59- 91
Clay, brown	5	91- 96
Sand and gravel with clay streaks	22	96-118
Clay, brown and gray	37	118-155

Well JY-65-35-306
Owner: Houston Lighting and Power Co., Well No. 4
Driller: Layne-Texas Co.

Description	Thick-ness (feet)	Depth interval (feet)
Clay	17	0- 17
Sand	16	17- 33
Clay	29	33- 62
Sand	21	62- 83
Clay	9	83- 92
Sand	27	92-119
Clay	68	119-187
Sand	25	187-212
Shale, sandy and sand	25	212-237
Shale and sandy shale	47	237-284
Sand and shale streaks	14	284-298
Shale	21	298-319
Sand and sandy shale	7	319-326
Shale and sand streaks	45	326-371
Sand and sandy shale	32	371-403
Shale	17	403-420
Shale, sandy	9	420-429
Shale	5	429-434
Sand and shale streaks	78	434-512
Shale	7	512-519
Sand and shale	29	519-548
Sand	10	548-558
Sand and shale streaks	10	558-568
Shale	12	568-580
Sand and sandy shale	30	580-610
Shale	6	610-616
Sand and shale breaks	15	616-631
Shale	26	631-657
Sand and shale breaks	31	657-688
Shale and sand streaks	14	688-702
Sand and shale streaks	26	702-728
Sand and shale	18	728-746
Sand	15	746-761
Shale	4	761-765

Well JY-65-35-306--Continued

Sand and shale	20	765-785
Shale	6	785-791
Sand and sandy shale	47	791-838
Shale and sand streaks	5	838-843
Sand and shale	6	843-849
Shale	2	849-851

Well JY-65-35-307
Owner: Houston Lighting and Power Co., Well No. 6
Driller: Layne-Texas Co.

Description	Thickness (feet)	Depth interval (feet)
Fill	2	0- 2
Clay	6	2- 8
Sand and gravel	114	8-122
Shale	10	122-132
Sand	15	132-147
Shale	53	147-200
Sand	28	200-228
Shale and sand streaks	54	228-282
Sand	19	282-301
Shale	19	301-320
Sand	19	320-339
Shale	36	339-375
Sand	25	375-400
Sand, gravel and shale streaks	37	400-437
Sand	63	437-500
Shale	9	500-509
Sand, broken with shale	21	509-530
Shale	6	530-536
Sand	29	536-565
Shale	17	565-582
Sand, broken with shale	17	582-599
Shale	19	599-618
Sand	20	618-638
Shale	11	638-649
Sand	10	649-659
Shale	9	659-668

Well JY-65-35-307-- Continued

Sand	26	668-694
Shale	16	694-710
Sand	21	710-731
Shale	26	731-757
Sand	18	757-775
Shale	15	775-790
Sand	12	790-802
Sand, broken with shale	38	802-840
Shale	10	840-850

Well JY-65-35-308
Owner: Houston Lighting and Power Co., Well No. 7
Driller: Alsay-Texas Corporation

Description	Thickness (feet)	Depth interval (feet)
Clay, gray	20	0- 20
Sand	5	20- 25
Clay, red	50	25- 75
Shale	5	75- 80
Sand	35	80-115
Shale	9	115-124
Clay	6	124-130
Sand	35	130-165
Shale and blue clay	52	165-217
Sand and small gravel	25	217-242
Clay and sand	8	242-250
Clay, blue and sand	24	250-274
Clay and gravel	31	274-305
Shale and gravel	32	305-337
Clay, blue	60	337-397
Gravel	3	397-400
Clay, blue	92	400-492
Sand and gravel	127	492-619
Clay, blue	12	619-631
Sand	9	631-640
Clay	9	640-649
Sand	58	649-707
Clay	4	707-711

Well JY-65-35-308--Continued

Sand	133	711-844
Clay	6	844-850

Well JY-65-35-716
Owner: R. B. Hobbs
Driller: Katy Drilling, Inc.

Description	Thickness (feet)	Depth interval (feet)
Surface and clay	35	0- 35
Sand	62	35- 97
Clay	13	97-110
Sand	21	110-131
Clay	33	131-164
Sand	20	164-184
Clay	17	184-201
Sand	50	201-251
Clay	112	251-363
Sand and rock	118	363-481
Clay and sand breaks	33	481-514
Sand and rock	21	514-535
Clay and sand breaks	10	535-545
Sand and rock	85	545-630
Clay	19	630-649
Sand and rock	41	649-690
Clay	6	690-696

Well JY-65-35-717
Owner: Jefferson Lake Sulphur Co., Well No. 12
Driller: J. L. Dickson

Description	Thickness (feet)	Depth interval (feet)
Unrecorded	156	0-156
Sand	31	156-187
Shale	45	187-232
Sand and gravel	64	232-296
Shale	15	296-311
Shale	9	311-320
Sand	69	320-389
Shale and sand strips	29	389-418
Sand with shale	22	418-440

Well JY-65-35-717--Continued

Sand and gravel	46	440-486
Shale	7	486-493
Sand and gravel	21	493-514
Shale, sticky	21	514-535
Sand	5	535-540
Shale, sandy	26	540-566
Shale, sandy	20	566-586
Sand	42	586-628
Shale	20	628-648

Well JY-65-35-801
Owner: Jefferson Lake Sulphur Co., Well No. 11
Driller: Katy Drilling, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay, surface	31	0- 31
Sand and shale breaks	71	31-102
Sand and shale breaks	13	102-115
Clay	35	115-150
Sand	67	150-217
Clay	34	217-251
Sand	4	251-255
Clay	63	255-318
Sand	10	318-328
Clay	37	328-365
Sand	33	365-398
Clay	23	398-421
Sand	27	421-448
Clay	63	448-511
Unrecorded	5	511-516

Well JY-65-36-107
Owner: Virgil Boll
Driller: B. J. Swinehart Co.

Description	Thickness (feet)	Depth interval (feet)
Clay	10	0- 10
Sand and gravel	75	10- 85
Clay	15	85-100
Sand	11	100-111

Well JY-65-36-107--Continued

Clay	31	111-142
Sand	28	142-170
Clay	23	170-193
Sand	15	193-208
Clay	15	208-223
Sand	15	223-238

Well JY-65-36-209
Owner: Champlin Petroleum
Driller: O'Day Drlg Co., Inc.

Description	Thickness (feet)	Depth interval (feet)
Topsoil	4	0- 4
Clay	14	4- 18
Sand	22	18- 40
Clay	90	40-130
Sand	24	130-154
Clay	62	154-216
Sand	13	216-229
Clay	66	229-295
Sand	52	295-347

Well JY-65-36-510
Owner: Exxon Company, U.S.A., Thompson's Field Office, Well No. 1
Driller: W. B. Patterson

Description	Thickness (feet)	Depth interval (feet)
Soil	10	0- 10
Sand	10	10- 20
Shale	29	29- 49
Sand	66	49-115
Shale	7	115-122
Sand	7	122-129
Shale	21	129-150
Sand	10	150-160
Shale	15	160-175
Sand	14	175-189
Shale	34	189-223
Sand	22	223-245

Well JY-65-36-510--Continued

Shale	2	245-247
Sand	3	247-250
Shale	114	250-364
Sand	25	364-389
Shale	51	389-440
Sand and rock	1	440-441
Sand	54	441-495

Well JY-65-37-201
Owner: Continental Homes Co.
Driller: Almeda Water Well Service

Description	Thickness (feet)	Depth interval (feet)
Soil	2	0- 2
Clay, gray-to-red	12	2- 14
Sand, brown	25	14- 39
Clay, blue	2	39- 41
Sand, white	26	41- 67
Clay	1	67- 68

Well JY-65-37-202
Owner: R. L. Cooper
Driller: Abner J. Joeblin

Description	Thickness (feet)	Depth interval (feet)
Soil, black	6	0- 6
Clay, red	24	6- 30
Unrecorded	10	30- 40

Well JY-65-41-305
Owner: Anton Rychlik
Driller: Crowell Drilling Co.

Description	Thickness (feet)	Depth interval (feet)
Clay	7	0- 7
Sand	23	7- 30
Clay	10	30- 40
Sand	80	40-120
Shale, red sandy	40	120-160
Shale	20	160-180
Sand	10	180-190
Shale	3	190-193

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-41-305--Continued

Sand	52	193-245
Shale	27	245-272
Sand	67	272-339
Shale	13	339-352
Sand	10	352-362
Shale	5	362-367
Sand	88	367-455

Well JY-65-42-309
Owner: A. G. Schultz and Sons, Inc.
Driller: Critendon Drilling Service, Inc.

Description	Thickness (feet)	Depth interval (feet)
Soil, surface	2	0- 2
Clay, brown	7	2- 9
Clay, sandy	5	9- 14
Clay, brown and gray	57	14- 71
Sand, white, medium	33	71-104

Well JY-65-42-501
Owner: John M. Moore, Jr. Estate
Driller: Layne-Western Co., Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay	1	0- 1
Sand	23	1- 24
Clay	12	24- 36
Sand	33	36- 69
Clay	5	69- 74
Sand and gravel	16	74- 90
Clay	33	90-123
Sand and gravel	22	123-145
Clay	19	145-164
Sand and gravel	11	164-175
Shale	29	175-204
Sand	43	204-247
Shale	135	247-382
Sand	15	382-397
Clay	44	397-441
Sand	3	441-444

Well JY-65-42-501--Continued

Clay	36	444-480
Sand	21	480-501
Clay	50	501-551
Sand	24	551-575
Clay	24	575-599
Sand	13	599-612
Clay	58	612-670
Sand	14	670-684
Clay	44	684-728
Sand	6	728-734
Clay	5	734-739
Sand	91	739-830
Clay	41	830-871
Sand	8	871-879
Clay	4	879-883
Sand	3	883-886
Clay	37	886-923
Sand	3	923-926
Clay	13	926-939

Well JY-66-24-302
Owner: Jim Skipton
Driller: Bussell and Son, Inc.

Description	Thickness (feet)	Depth interval (feet)
Clay, red	3	0- 3
Gravel	33	3- 36
Clay	80	36-116
Sand	40	116-156

Well JY-66-32-912
Owner: Tilford Sulak
Driller: Richter Water Well Drilling

Description	Thickness (feet)	Depth interval (feet)
Topsoil	1	0- 1
Clay, blue and white	4	1- 5
Clay, pink	49	5- 54
Sand and gravel	86	54-140
Clay, sand and gravel	40	140-180

Table 3.--Drillers' logs of selected wells in Fort Bend County, 1969-87--Continued

Well JY-66-32-912--Continued

Clay and sand	42	180-222
Clay	9	222-231
Rock	1	231-232
Clay, hard	13	232-245
Rock	43	245-288
Sand and clay	3	288-291
Rock and clay	7	291-298
Sand with rock streaks	2	298-300
Clay	32	300-332
Sand	18	332-350
Rock and shale	30	350-380
Clay	9	380-389
Sand	8	389-397
Rock and shale	13	397-410
Sand	25	410-435
Shale	2	435-437

Well JY-66-40-312
Owner: Della Roberts
Driller: Leonard W. Mickelson

Description	Thickness (feet)	Depth interval (feet)
Topsoil	15	0- 15
Sand	45	15- 60
Clay	21	60- 81
Sand and gravel	58	81-139
Clay	15	139-154
Sand	12	154-166
Clay	15	166-181
Sand	21	181-202
Clay	10	202-212
Sand, rocky	58	212-270
Clay	6	270-276
Sand	30	276-306
Clay	6	306-312
Sand	25	312-337
Clay	10	337-347
Sand, rocky	38	347-385
Clay	5	385-390
Sand, rocky	136	390-526

Table 4.--Water levels in selected wells in Fort Bend County, 1969-87

[Water levels in feet below land surface; screen, interval; altitude, altitude of land surface above sea level]

Well JY-65-09-906
Owner: Don McMillian, Well no. 2
Screen: 83-575 feet
Altitude: 149 feet

Date	Water level
03-13-69	97.61
03-06-70	99.70
03-11-71	99.34
03-05-73	105.20
03-05-74	105.12
02-25-75	106.72
02-27-76	108.79
03-07-77	108.19
11-17-77	111.69
03-10-78	108.68
11-17-78	112.42
03-15-79	116.16
12-10-79	118.09
01-18-80	113.93
12-15-80	117.86
01-15-81	115.97
10-30-81	119.52
10-25-82	120.66
02-06-87	113.65

Well JY-65-10-702
Owner: Earl McMillian
Screen: 176-346 feet
Altitude: 144 feet

Date	Water level
03-13-69	101.28
03-06-70	107.09
03-11-71	102.71
02-28-72	109.72
03-05-73	109.88
03-05-74	111.49
02-25-75	107.82
02-27-76	110.37
03-07-77	109.27
11-17-77	111.05
03-10-78	109.61
11-17-78	111.96
12-10-79	113.76
01-18-80	111.82
12-15-80	114.04
01-15-81	113.13
10-30-81	114.42
02-01-82	117.23
10-25-82	118.78
01-17-83	118.45
09-26-83	119.16
01-19-84	115
01-11-85	120.51
01-07-86	121.65
01-07-87	120.02

Well JY-65-10-703
Owner: P. V. Cook, Well no. 3
Depth: 170 feet
Altitude: 140 feet

Date	Water level
03-12-69	97.8
03-02-70	99.33
03-11-71	100.68
02-23-72	102.40
03-05-73	103.60
03-05-74	104.48
02-25-75	106.22
02-27-76	107.75
03-04-77	107.89
11-17-77	108.91
03-10-78	108.22
11-17-78	109.73
02-14-79	109.89
12-10-79	110.02
01-18-80	109.82
12-15-80	110.17
01-15-81	110.01
10-30-81	110.15
02-01-82	110
11-10-82	111.26
01-17-83	114.35
09-26-83	114.84
01-19-84	114.85
01-22-85	115.76

Well JY-65-10-801
Owner: Clyde Nelson
Screen: 92-365 feet
Altitude: 133 feet

Date	Water level
02-19-86	112.57
02-06-87	113

Well JY-65-10-812
Owner: City of Katy, Well no. 5
Screen: 444-634 feet
Altitude: 129 feet

Date	Water level
07- -81	167
03-03-83	148.08
03-18-83	154.49
08-08-83	169.02
11-03-83	173.51
01-25-84	153.09
02-23-84	150.88
03-29-84	144.91
04-25-84	169.67
06-07-84	183.58
07-30-84	184.87
09-27-84	195.10
11-14-84	171.21
11-30-84	165
12-28-84	156.52
01-09-85	153.34
01-07-86	152.02
03-11-86	156.30

Well JY-65-10-812-Cont.

Date	Water level
01-07-87	156.74
02-06-87	153.60

Well JY-65-17-201
Owner: Richard A. Woods
Screen: 100-335 feet
Altitude: 157 feet

Date	Water level
03-14-69	93.71
03-05-70	95.08
03-10-71	96.83
02-23-72	98.08
03-05-73	99.92
03-05-74	99.10
03-11-75	99.42
03-03-76	101.29
02-28-77	100.66
11-17-77	102.73
03-14-78	101.16
11-17-78	103.09
02-26-79	103.64
12-10-79	104.37
01-18-80	103.93
01-15-81	105.54
10-30-81	106.75
02-01-82	105.04
11-10-82	108.36
01-17-83	108.10
09-22-83	108.41
01-25-84	108.53
01-23-85	105.23
01-28-86	104.65
01-08-87	104.02

Well JY-65-17-204
Owner: Richard A. Woods
Depth: 330 feet
Altitude: 157 feet

Date	Water level
03-14-69	96.33
03-05-70	97.93
03-10-71	99.58
02-23-72	101.04
03-05-73	101.52
03-05-74	101.59
03-11-75	102.11
03-03-76	102.90
02-28-77	103.64
11-17-77	106.84
03-14-78	104.17
11-16-78	107.72
02-26-79	105.64
12-10-79	107.85
01-18-80	106.66
12-15-80	108.02
01-15-81	107.90
10-30-81	110.50
02-01-82	109.31
11-10-82	113.51
01-17-83	113.13
09-22-83	113.82

Well JY-65-17-204--Cont.

01-25-84	120.17
01-23-85	117.10

Well JY-65-17-307
Owner: Walter P. Cook
Screen: 232-617 feet
Altitude: 147 feet

Date	Water level
02-14-86	114.10
03-20-87	112.36

Well JY-65-17-401
Owner: Vernon W. Frost
Screen: 85-378 feet
Altitude: 114 feet

Date	Water level
02-24-87	43

Well JY-65-17-402
Owner: Gail W. Spencer
Screen: 117-367 feet
Altitude: 112 feet

Date	Water level
02-24-87	40.45

Well JY-65-17-404
Owner: Southern Pacific Railroad Co.
Depth: 1,100 feet
Altitude: 114 feet

Date	Water level
01-29-70	60.32
08-13-70	74.5
01-18-72	61.68
08-08-72	69.15
01-23-73	55.90
08-14-73	71
01-16-74	62.6
08-19-74	75.81
01-16-75	64.39
08-12-75	69.83
01-19-76	68.39
08-04-76	76.05
01-12-77	67.79
08-02-77	77.41
03-01-79	71.35
01-15-80	73.33
08-06-80	72.29
01-26-81	72.71
08-11-81	73.01
03-01-82	72.52
07-19-82	72.45
02-02-83	73.92
08-10-83	82.76
01-27-84	72.26
08-02-84	84.71
01-21-85	79.19
09-18-85	88.17
02-03-86	83.56
02-24-87	77.15

Well JY-65-18-101
Owner: C. C. Cardiff
Depth: 818 feet
Altitude: 142 feet

Date	Water level
03-12-69	97.47
03-02-70	100.89
03-11-71	101.08
02-23-72	105.92
03-05-73	104.30
03-05-74	104.78
02-25-75	106.22
02-27-76	108.72
03-07-77	108.72
11-17-77	111.23
03-14-78	107.60
11-16-78	112.37
02-08-79	112.60
12-10-79	112.98
01-18-80	112.91
12-15-80	113.21
01-15-81	113.02
10-29-81	114.20
02-01-82	112.93
11-10-82	115.43
01-17-83	116.03
09-22-83	117.87
01-25-84	119.60
01-22-85	118.50
01-07-87	118.12
02-25-87	114.62

Well JY-65-18-103
Owner: C. C. Cardiff, Well no. 2
Screen: 137-624 feet
Altitude: 139 feet

Date	Water level
03-12-69	97.34
03-02-70	99.52
03-11-71	101.13
02-23-72	102.72
03-05-73	101.08
03-05-74	102.12
02-25-75	108.06
02-27-76	109.85
03-07-77	108.25
11-17-77	102.96
03-14-78	97.72
11-16-78	95.54
02-08-79	95.30
12-10-79	95.76
01-18-80	95.51
12-15-80	96.66
01-15-81	96.51
10-29-81	96.96
02-01-82	93.24
11-10-82	96.87
01-17-83	94.05
01-25-83	94.68
09-22-83	96.93
02-02-84	97.55
01-22-85	91.24
01-28-86	89.05
01-08-87	88.63

Well JY-65-18-111
Owner: Cardiff Bros.
Screen: 339-1,000 feet
Altitude: 138 feet

Date	Water level
02-14-86	129.10
02-10-87	128.75

Well JY-65-18-202
Owner: Cinco Ranch
Screen: 100-534 feet
Altitude: 127 feet

Date	Water level
03-12-69	93.24
03-02-70	95.40
03-11-71	96.06
02-23-72	98.06
03-07-73	100.24
03-05-74	100.66
02-25-75	102.32
02-27-76	103.55
03-07-77	103.95
11-17-77	107.72
03-14-78	104.72
11-16-78	109.26
02-08-79	109.61
12-07-79	112.17
01-08-80	111.38
12-15-80	112.59
01-25-81	112.25
10-29-81	113.61
02-01-82	113.37
11-10-82	115.26
01-17-83	114.51
09-22-83	115.70
01-25-84	113.04
01-23-85	108.38
01-28-86	106.94
01-08-87	105.89

Well JY-65-18-602
Owner: E. W. Gless
Screen: 120-520 feet
Altitude: 103 feet

Date	Water level
03-12-69	79.91
03-02-70	82.18
03-11-71	81.72
02-23-72	86.48
03-07-73	86.06
03-05-74	87.07
02-25-75	86.38
03-03-76	87.54
03-07-77	88.55
11-17-77	93.43
03-14-78	90.79
11-16-78	94.56
02-08-79	94.35
12-07-79	94.79
01-18-80	94.47
12-15-80	95.20
01-15-81	95.16
10-29-81	95.43
02-01-82	98.45

Table 4.--Water levels in selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-18-602--Cont.

Date	Water level
10-26-82	100.10
01-17-83	102.04
09-22-83	103.17
01-25-84	98.16
01-23-85	96.44
02-06-87	100.21

Well JY-65-18-604
Owner: Ed Helwig
Screen: 230-620 feet
Altitude: 100 feet

Date	Water level
03-03-87	179.56

Well JY-65-19-101
Owner: W. W. Wheeless
Depth: 400 feet
Altitude: 96 feet

Date	Water level
02-18-86	131.50
02-05-87	130.02

Well JY-65-19-509
Owner: Ft. Bend County M.U.D. 30
Screen: 635-868 feet
Altitude: 95 feet

Date	Water level
04-24-79	167
02-02-84	162.90
01-28-85	161.23
01-27-86	164.22
01-07-87	165.16

Well JY-65-19-704
Owner: Cinco Ranch
Screen: 161-528 feet
Altitude: 101 feet

Date	Water level
03-12-69	79.25
03-02-70	82.23
03-11-71	83.64
02-23-72	86.44
03-08-73	85.41
02-25-75	86.24
03-03-76	86.76
03-07-77	89.60
11-23-77	95.05
03-14-78	91.82
11-16-78	96.21
02-08-79	95.57
12-07-79	96.63
01-14-80	96.48
12-15-80	96.91
01-14-81	96.53
10-29-81	97.66
02-01-82	99.27

Well JY-65-19-704--Cont.

Date	Water level
10-26-82	100.52
01-14-83	100.26
09-21-83	100.74
01-25-84	100.45
01-23-85	96.41
01-28-86	94.99
02-18-86	112.51
01-07-87	94.58
02-06-87	102.47

Well JY-65-19-801
Owner: Texas Department of Corrections
Screen: 196-256 feet
Altitude: 92 feet

Date	Water level
02-08-86	109.19

Well JY-65-19-803
Owner: Texas Department of Corrections
Screen: 137-233 feet
Altitude: 85 feet

Date	Water level
02-08-86	98.38

Well JY-65-19-804
Owner: Texas Department of Corrections
Screen: 128-231 feet
Altitude: 85 feet

Date	Water level
02-08-86	81.15

Well JY-65-19-902
Owner: Texas Department of Corrections
Screen:
Altitude: 87 feet

Date	Water level
03-14-86	16.86

Well JY-65-20-702
Owner: Flopetrol Johnston
Screen: 823-1006 feet
Altitude: 83 feet

Date	Water level
03-19-86	258.10

Well JY-65-25-201
Owner: Duval Sulphur and Potash Co., Well no. 52
Screen: 144-284 feet
Altitude: 115 feet

Date	Water level
02-13-86	39.23
02-16-87	39.77

Well JY-65-25-202
Owner: Duval Sulphur and Potash Co., Well no. 48
Screen: 120-279 feet
Altitude: 115 feet

Date	Water level
02-13-86	49.13
02-16-87	49.50

Well JY-65-25-203
Owner: Duval Sulphur and Potash Co., Well no. 46
Screen: 151-276 feet
Altitude: 115 feet

Date	Water level
01-18-72	45.07
08-08-72	47.37
01-23-73	47.80
03-17-78	46.14
08-08-78	49.86
02-21-79	46.12
08-02-79	46.49
01-15-80	40.91
08-06-80	50.31
01-26-81	45.16
08-11-81	51.83
02-17-82	40.73
02-02-83	48.20
08-10-83	49.42
01-27-84	48.75
08-02-84	49.56
01-21-85	47.88
02-13-86	44.98
02-16-87	46.62

Well JY-65-25-301
Owner: R. E. Smith
Screen: 91-432 feet
Altitude: 111 feet

Date	Water level
01-14-69	50.33
08-11-69	51.83
01-30-70	50.97
01-11-71	51.47
01-17-72	49.66
08-08-72	51.55
01-17-73	50.39
01-16-75	46.51

Well JY-65-25-301--Cont.

01-13-76	52.29
03-17-78	50.22
03-01-79	51.98
08-02-79	49.76
01-15-80	46.41
01-26-81	52.12
08-11-81	53.47
02-17-82	51.39
07-19-82	54.45
02-02-83	54.28
08-10-83	55.19
01-27-84	51.64
08-02-84	56.87
01-21-85	52.07
09-18-85	61.38
02-03-86	57.56
02-17-87	58.15

Well JY-65-25-302
Owner: R. E. Smith
Screen: 111-431 feet
Altitude: 113 feet

Date	Water level
01-14-69	51.74
08-11-69	55.07
01-30-70	52.58
08-13-70	52.05
01-11-71	50.54
01-17-72	50.29
01-17-73	50.87
03-17-78	51.62
03-01-79	51.68
08-23-79	51.70
01-15-80	47.43
08-06-80	56.17
01-26-81	52.51
08-11-81	54.17

Well JY-65-25-402
Owner: Jerry Kulhanek
Depth: 245 feet
Altitude: 120 feet

Date	Water level
02-20-86	48.37
02-16-87	48.54

Well JY-65-25-701
Owner: Herman and Lloyd Engle
Screen: 98-284 feet
Altitude: 115 feet

Date	Water level
02-20-86	51.51
02-18-87	50.33

Well JY-65-25-703
Owner: August Blazek
Depth: 295 feet
Altitude: 114 feet

Date	Water level
02-20-86	47.45

Well JY-65-25-709
Owner: Lloyd Engle
Screen: 96-305 feet
Altitude: 108 feet

Date	Water level
02-20-86	49.98
02-16-87	48

Well JY-65-25-801
Owner:
Screen:
Altitude: 111 feet

Date	Water level
02-20-86	54.39

Well JY-65-26-201
Owner: R. E. Smith
Screen: 200-575 feet
Altitude: 90 feet

Date	Water level
03-07-86	66.30

Well JY-65-26-202
Owner: Dickerson
Depth: 305 feet
Altitude: 89 feet

Date	Water level
03-07-86	63.78
02-10-87	63.66

Well JY-65-26-403
Owner: Gulf States
Depth: 875 feet
Altitude: 103 feet

Date	Water level
03-07-86	100.40
02-16-87	92.99

Well JY-65-26-406
Owner: Gulf States
Depth: 1,178 feet
Altitude: 103 feet

Date	Water level
03-07-86	136.20
02-16-87	135.35

Well JY-65-26-501
Owner: City of Rosenberg, Well no. 3
Screen: 545-837 feet
Altitude: 103 feet

Date	Water level
02-27-86	108.50

Well JY-65-26-502
Owner: City of Rosenberg, Well no. 4
Screen: 629-966 feet
Altitude: 103 feet

Date	Water level
02-18-87	108.10

Well JY-65-26-601
Owner: City of Richmond, Well no. 3
Screen: 317-447 feet
Altitude: 95 feet

Date	Water level
03-24-86	88.20

Well JY-65-26-603
Owner: City of Richmond, Well no. 4
Screen: 342-514 feet
Altitude: 90 feet

Date	Water level
03-24-86	98.50

Well JY-65-26-812
Owner: City of Rosenberg, Well no. 6
Screen: 810-1,310 feet
Altitude: 99 feet

Date	Water level
02-18-87	135.50

Well JY-65-27-202
Owner: Texas Department of Corrections, Harlem, no. 3
Screen: 43-90 feet
Altitude: 80 feet

Date	Water level
01-21-86	16.26

Table 4.--Water levels in selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-27-203
Owner: R. E. Smith
Screen: 26-72 feet
Altitude: 79 feet

Date	Water level
01-21-86	21.39

Well JY-65-27-204
Owner: Texas Department of Corrections, Harlem, no. 1
Screen: 42-91 feet
Altitude: 83 feet

Date	Water level
01-21-86	16.26

Well JY-65-27-205
Owner: Texas Department of Corrections, Harlem, no. 4
Screen: 47-86 feet
Altitude: 84 feet

Date	Water level
01-21-86	11.81

Well JY-65-27-207
Owner: Texas Department of Corrections, Central Unit no.7
Screen: 25-62 feet
Altitude: 80 feet

Date	Water level
01-21-86	6.92

Well JY-65-27-302
Owner: Ft. Bend Utilities, Well no. 8
Screen: 1,260-1,560 feet
Altitude: 80 feet

Date	Water level
12-13-69	187
01-30-71	188
01-30-72	212
10-21-72	217
01-13-73	221
07-21-73	222
04-09-74	209
05-19-74	226
11-03-74	215
05-03-75	213
08-16-75	217
02-06-76	218
06-12-76	217
08-20-76	202
12-07-76	207
03-28-77	202
07-18-77	207
01-24-78	217
08-19-78	232

Well JY-65-27-302--Cont.

11-08-79	227
03-01-80	227
11-18-80	244
02-01-81	245
11-06-81	267
01-27-82	267
05-28-82	264
09-16-82	282
11-30-82	282
01-10-83	290
06-29-84	287
09-10-84	282
08-20-85	292
01-15-86	292
12-30-86	282

Well JY-65-27-303
Owner: Ft. Bend Utilities, Well no. 9
Screen: 503-865 feet
Altitude: 80 feet

Date	Water level
12-13-69	123
01-30-71	126
01-30-72	145
10-21-72	150
01-13-73	146
01-21-73	146
01-04-74	148
05-19-74	147
11-03-74	156
05-03-75	145
08-16-75	153
02-06-76	153
06-12-76	163
08-20-76	161
12-07-76	160
03-28-77	158
07-18-77	168
01-24-78	173
08-19-78	173
11-08-79	178
03-01-80	168
11-18-80	184
02-01-81	174
11-06-81	168
01-27-82	186
05-28-82	183
09-16-82	198
11-30-82	195
01-10-83	193
11-04-83	193
01-26-84	193
09-10-84	202
01-10-85	198
08-20-85	213
01-15-86	203
12-30-86	203

Well JY-65-27-305
Owner: Texas Department of Corrections, Central Unit no. 3
Screen: 27-72 feet
Altitude: 73 feet

Date	Water level
01-21-86	34.90

Well JY-65-27-306
Owner: Texas Department of Corrections, Central Unit no. 5
Screen: 55-100 feet
Altitude: 73 feet

Date	Water level
01-21-86	20

Well JY-65-27-307
Owner: Texas Department of Corrections, Central Unit no. 8
Screen: 53-83 feet
Altitude: 73 feet

Date	Water level
01-21-86	17.28

Well JY-65-27-308
Owner: Texas Department of Corrections, Central Unit no. 11
Screen: 46-104 feet
Altitude: 76 feet

Date	Water level
01-22-86	17.69

Well JY-65-27-313
Owner: Ft. Bend Utilities, Well no. 7
Screen: 501-721 feet
Altitude: 77 feet

Date	Water level
01-30-72	153
10-21-72	152
01-13-73	148
07-21-73	152
01-04-74	149
05-19-74	151
11-03-74	157
08-16-75	155
02-06-76	151
06-12-76	152
08-20-76	161
12-07-76	161
03-28-77	157
07-18-77	169
01-24-78	169
08-19-78	174
03-01-80	174
11-18-80	184
02-01-81	181
11-06-81	190
01-27-82	184
05-28-82	183
09-16-82	196
11-30-82	194
01-10-83	192
06-29-84	206

Well JY-65-27-313--Cont.

09-10-84	206
01-10-85	199
08-20-85	211
01-15-86	204
12-30-86	203

Well JY-65-27-601
Owner: Texas Department of Corrections, Central Unit no. 4
Screen: 41-86 feet
Altitude: 73 feet

Date	Water level
01-22-86	30.17

Well JY-65-27-602
Owner: Texas Department of Corrections, Central Unit no. 9
Screen: 48-83 feet
Altitude: 73 feet

Date	Water level
01-21-86	31.50

Well JY-65-27-603
Owner: Texas Department of Corrections, Central Unit no. 1
Screen: 33-78 feet
Altitude: 71 feet

Date	Water level
01-22-86	29.89

Well JY-65-27-607
Owner: Agnes Booth
Depth: 200 feet
Altitude: 70 feet

Date	Water level
01-22-86	30.17

Well JY-65-27-901
Owner: A. E. Myer
Screen: 633-673 feet
Altitude: 74 feet

Date	Water level
01-23-86	149.33
02-05-87	147.85

Well JY-65-28-201
Owner: Ft. Bend County W.C.I.D. 2, Well no. 1
Screen: 569-680 feet
Altitude: 82 feet

Date	Water level
03-02-87	251.85

Well JY-65-28-202
Owner: Ft. Bend County W.C.I.D. 2, Well no. 2
Screen: 1,120-1,670 feet
Altitude: 82 feet

Date	Water level
03-02-87	284

Well JY-65-28-308
Owner: United Gas Co.
Screen: 280-300 feet
Altitude: 72 feet

Date	Water level
02-04-87	137.30

Well JY-65-28-309
Owner: Blue Ridge M.U.D., Chasewood, Well no. 1
Screen: 770-1,020 feet
Altitude: 70 feet

Date	Water level
05-31-69	189
01-31-84	243.18
01-28-85	241.94
01-27-86	245.16
01-07-87	246.57

Well JY-65-28-311
Owner: City of Houston, Sims Bayou, Well no. 6
Screen: 656-1,182 feet
Altitude: 67 feet

Date	Water level
12-12-74	218.48
02-04-75	215.18
02-05-76	215.68
02-04-77	220.49
02-22-78	252.13
01-23-79	267.54
01-30-80	270.97
01-12-81	287.19
01-19-82	289.67
01-07-83	291.74
01-17-84	290.36
01-15-85	320.20
01-27-86	323.65
01-07-87	325.02

Well JY-65-28-313
Owner: Ft. Bend County M.U.D. 26
Screen: 800-1,180 feet
Altitude: 80 feet

Date	Water level
06-30-80	274
01-31-84	273.74
01-28-85	271.95
03-06-86	285.67
01-07-87	276.72
02-11-87	271.50

Well JY-65-28-401
Owner: Exxon
Screen: 684-710 feet
Altitude: 68 feet

Date	Water level
02-12-86	183.64
02-04-87	181.78

Well JY-65-28-501
Owner: Exxon
Screen: 426-446 feet
Altitude: 67 feet

Date	Water level
01-23-69	120.40
08-12-69	122.17
01-30-70	124.7
08-13-70	126.8
01-11-71	128
08-02-71	133.4
01-17-72	135
08-07-72	138.8
01-16-73	136.81
08-13-73	137.5
08-07-74	143.5
01-15-75	137.8
08-08-75	143
01-12-76	146
08-04-76	146.6
01-12-77	145.2
08-02-77	155.6
03-16-78	156.64
08-08-78	160.92
02-21-79	166
03-01-79	165.69
08-06-79	166.96
01-15-80	164.71
02-04-87	178

Well JY-65-28-508
Owner: Quail Valley U.D., Well no. 2
Screen: 752-1,300 feet
Altitude: 70 feet

Date	Water level
05- -78	214
01-31-84	233.13
01-28-85	230.79
02-14-86	237.40
03-06-86	249.43
02-11-87	236

Table 4.--Water levels in selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-28-803
Owner: Christianson and Matthews
Depth: 420 feet
Altitude: 60 feet

Date	Water level
01-27-69	62.89
01-30-70	64.54
01-14-71	65.08
01-26-72	66.83
01-19-73	68.32
01-16-74	67.84
01-16-75	66.92
01-12-76	68.46
03-16-78	73.36
03-01-79	75.85
08-06-79	74.14
01-15-80	77
08-06-80	78.08
01-26-81	78.13
08-11-81	80.13
03-01-82	78.76
07-21-82	82.67
02-02-83	84.26
08-10-83	81.10
01-30-84	82
08-02-84	83.87
01-29-87	90.08

Well JY-65-29-101
Owner: D. W. Black
Screen: 240-800 feet
Altitude: 70 feet

Date	Water level
02-09-70	126.75
02-09-71	129.42
02-01-72	134.27
01-17-73	135.27
01-17-74	130.34

Well JY-65-29-104
Owner: City of Houston, Mayfair Park
Screen: 735-895 feet
Altitude: 65 feet

Date	Water level
01-09-69	191.14
01-16-73	212.51
08-14-73	216.15
01-17-74	212.67
08-07-74	221.72
01-16-75	218.20
08-12-75	227.93
01-12-76	231.96
08-04-76	228.06
08-06-79	276.52
08-10-83	333
01- -87	298

Well JY-65-29-405
Owner: Blue Ridge Elementary School
Screen: 518-553 feet
Altitude: 72 feet

Date	Water level
02-07-86	258.15
01-28-87	253

Well JY-65-29-407
Owner: Houston Gun Club
Screen: 90-100 feet
Altitude: 95 feet
Altitude: 68 feet

Date	Water level
02-07-86	14.10

Well JY-65-29-701
Owner: Julia Tague
Depth: 459 feet
Altitude: 65 feet

Date	Water level
01-27-69	78.87
01-21-70	81.61
01-14-71	83.31
08-12-71	84.23
01-26-72	84.96
08-11-72	86.42
01-16-73	86.50
08-10-73	87.02
01-16-74	86.69
08-09-74	87.23
01-16-75	87.45
01-26-76	88.84
08-04-76	89.34
01-17-77	86.24
08-03-77	90.22
03-21-78	91.77
08-09-78	95.13
02-28-79	94.83
08-06-79	97
01-17-80	94.28
08-06-80	94.18
01-26-81	94.12
08-12-81	94.30
02-23-82	99.82
07-21-82	98.49
02-01-83	100.85
08-10-83	104.76
02-21-84	102.13
08-02-84	105.53
01-21-85	106
10-01-85	108.61
02-03-86	108.62

Well JY-65-33-101
Owner: Kubala
Depth: 277 feet
Altitude: 107 feet

Date	Water level
01-14-86	44.05

Well JY-65-33-102
Owner: Ed Stasney
Depth: 259 feet
Altitude: 101 feet

Date	Water level
01-13-86	44.49

Well JY-65-33-103
Owner: E. Pitts
Depth: 301 feet
Altitude: 101 feet

Date	Water level
01-13-86	44.64

Well JY-65-33-501
Owner: Jack Wendt, Well no. 4
Screen: 126-376 feet
Altitude: 97 feet

Date	Water level
01-23-69	42.64
01-29-70	43.66
01-12-71	43.83
01-17-72	44.74
01-17-73	44.98
01-17-74	44.83
01-20-75	44.96
01-19-76	44.83
01-17-77	45.37
03-20-78	46.14
02-22-79	46.21
08-23-79	52.10
01-16-80	46.02
01-26-81	47.16
08-12-81	48.44
07-23-82	50.77
02-21-84	52.16

Well JY-65-33-502
Owner: Jack Wendt
Depth: 590 feet
Altitude: 95 feet

Date	Water level
01-17-73	40
01-17-74	39.48
01-20-75	39.62
01-14-76	40
01-17-77	42.56
03-20-78	40.73
02-22-79	41.32
08-23-79	43.99
01-16-80	40.29
08-07-80	45.75
01-26-81	40.89
08-12-81	45.13
02-24-82	44.31
07-23-82	46.11
02-03-83	45.91
09-01-83	47.37
02-21-84	48.61
01-21-85	46.20

Well JY-65-33-502--Cont.

11-14-85	47.40
01-14-86	45.83
03-20-87	45.55

Well JY-65-33-503
Owner: Jack Wendt, Well no. 2
Depth: 240 feet
Altitude: 95 feet

Date	Water level
01-23-69	40.98
01-29-70	41.27
01-12-71	41.47
01-17-72	42.17
01-20-75	44.26
01-17-77	46.10
03-20-78	46
02-22-79	48
01-16-80	46
01-26-81	47.5
08-12-81	49.8
02-24-82	48.4
07-23-82	50.5
02-21-84	49.7
01-21-85	49.01
11-14-85	50
01-14-86	50

Well JY-65-33-504
Owner: Jack Wendt, Well no. 1
Screen: 112-397 feet
Altitude: 95 feet

Date	Water level
01-23-69	40.70
01-29-70	42.01
01-12-71	42.13
01-17-72	43.11
01-17-73	43.04
01-17-74	43.74
01-20-75	42.91
01-19-76	43.03
01-17-77	43.42
03-20-78	43.40
02-22-79	43.48
08-23-79	48.52
01-16-80	43.36
08-07-80	54.55
01-26-81	44.51
08-12-81	49.63
02-24-82	46.22
07-23-82	53.54
02-03-83	53.28
09-01-83	54.33
02-21-84	54.93
01-21-85	47.96
11-14-85	53.37
01-14-86	47.50
02-18-87	47.70

Well JY-65-33-509
Owner: Jack Wendt
Screen: 120-623 feet
Altitude: 96 feet

Date	Water level
03-24-71	54
01-17-73	45.23
01-17-74	43.80
03-20-78	45.40
02-22-79	50.77
08-02-79	52.15
01-16-80	50.16
08-07-80	55.04
01-26-81	51.63
08-12-81	54.19
02-24-82	57.32
07-23-82	57.64
02-03-83	53.50
09-01-83	60.27
02-21-84	57.29
01-21-85	54.07
01-15-86	54.14

Well JY-65-33-510
Owner: Jack Wendt
Screen: 170-591 feet
Altitude: 95 feet

Date	Water level
04-25-72	52
01-17-73	41.59
01-17-74	41.13
01-20-75	41.68
01-14-76	37.10
01-17-77	41.15
03-20-78	39.48
02-22-79	42.88
08-02-79	46.77
01-16-80	41.16
08-07-80	47.10
01-26-81	42.13
08-12-81	48.75
02-24-82	51.85
07-23-82	50.91
02-03-83	51.82
09-01-83	52.92
02-21-84	53.14
01-21-85	51
11-14-85	50.46
01-14-86	51.69
03-20-87	45.03

Well JY-65-33-801
Owner: Jack Wendt, Well no. 3
Screen: 317-502 feet
Altitude: 92 feet

Date	Water level
01-23-69	41.63
01-29-70	42.70
01-12-71	42.74
01-17-72	43.71
01-17-73	43.98
01-20-75	43.67
01-19-76	43.39
01-17-77	43.99
03-20-78	44.07

Well JY-65-33-801--Cont.

02-22-79	44.75
08-23-79	50.99
01-16-80	44.07
08-07-80	54.35
01-26-81	44.55
08-12-81	49.89
02-24-82	49.42
07-23-82	52.38
02-03-83	48.28
09-01-83	49.38
02-21-84	49.87
01-21-85	48
01-14-86	47.80
03-20-87	47.81

Well JY-65-34-301
Owner: Max Mahlmann
Depth: 314 feet
Altitude: 85 feet

Date	Water level
01-27-86	46.05

Well JY-65-34-303
Owner: Max Mahlmann
Screen: 100-356 feet
Altitude: 78 feet

Date	Water level
01-29-86	33.78

Well JY-65-34-308
Owner: Max Mahlmann
Screen: 100-375 feet
Altitude: 86 feet

Date	Water level
01-29-86	43.98

Well JY-65-34-604
Owner: W. H. Gless
Screen: 220-660 feet
Altitude: 74 feet

Date	Water level
01-23-69	60.13
01-29-70	62.32
01-11-71	61.58
01-17-72	62.49
01-18-73	63.24
01-16-74	65.44
01-17-75	62.03
01-14-76	64.67
01-17-77	63.53
03-20-78	64.29
02-22-79	66.95
08-03-79	82.94
01-17-80	66.07
08-07-80	86.62
01-26-81	71.90
08-11-81	84.84
02-23-82	71.75
02-03-83	75.01
09-01-83	76.65

Table 4.--Water levels in selected wells in Fort Bend County, 1969-87--Continued

Well JY-65-34-604--Cont.

02-16-84	74.38
01-21-85	77.39
09-18-85	79.52
01-16-86	64.18
02-18-87	63.06

Well JY-65-34-701
Owner: City of Needville
Screen: 307-417 feet
Altitude: 93 feet

Date	Water level
01-18-72	63.66
01-19-73	65.82
01-16-74	63.37
01-17-75	63.72
01-14-76	68.79
01-17-77	68.80
03-21-78	64.71
02-22-79	67.45
08-02-79	76.60
01-26-81	69.82
08-13-81	79.42
02-24-82	75.65
07-23-82	81.74
03-15-83	69.53
09-01-83	84.13
02-22-84	71.07
10-01-85	80.06
01-16-86	69.75
02-18-87	71.31

Well JY-65-34-710
Owner: City of Needville
Screen: 306-420 feet
Altitude: 91 feet

Date	Water level
01-16-86	64.46
02-18-87	65.07

Well JY-65-34-901
Owner: Walter Gless
Screen: 84-635 feet
Altitude: 73 feet

Date	Water level
01-23-69	49
01-29-70	50.20
01-11-71	49.21
01-17-72	50.36
01-18-73	50.18
01-16-74	43.31
01-20-75	45.18
01-14-76	44.82
01-17-77	42.98
03-20-78	42.93
02-22-79	44.05
01-26-81	49.29
08-11-81	51.50
03-01-82	45.30
07-22-82	65.53
02-03-83	43.89
09-01-83	60.05
01-17-77	25.59
08-03-77	26.97
02-28-79	28.09

Well JY-65-34-901--Cont.

02-16-84	58.23
01-21-85	39.21
09-18-85	42.52
01-16-86	39.56

Well JY-65-35-101
Owner: Gulf Oil Corp.
Depth: 86 feet
Altitude: 81 feet

Date	Water level
01-23-69	27.75
08-12-69	28.63
01-29-70	27.85
08-13-70	24.86
01-12-71	28.07
08-13-71	23.13
01-18-72	25.57
08-07-72	29.14
01-19-73	28.77
08-13-73	25.47
01-17-74	28.83
08-07-74	29.64
01-15-75	29.78
08-08-75	30.45
01-14-76	29.24
08-04-76	30.89
01-17-77	30.65
08-03-77	31.75
03-21-78	30.64
08-09-78	31.60
02-28-79	30.95
08-03-79	32.24
01-17-80	30.61
08-07-80	32.75
01-26-81	31.51
08-11-81	33.31
02-23-82	26.89
07-22-82	28.26
02-03-83	25.71
08-11-83	28.80
02-16-84	27.27
01-21-85	27.06
10-01-85	28.46
01-27-86	27.10

Well JY-65-35-102
Owner: Gulf Oil Corp.
Depth: 180 feet
Altitude: 81 feet

Date	Water level
01-23-69	26.11
08-12-69	26.49
01-29-70	26.74
08-13-70	27.40
01-12-71	26.97
08-13-71	27.16
01-18-72	27.37
08-07-72	27.20
01-19-73	27.97
08-13-73	27.28
01-17-74	27.47
08-07-74	26.49
01-15-75	26.13
08-08-75	26.60
01-14-76	26.99
08-03-79	28.12
01-17-80	27.70
08-07-80	28.32

Well JY-65-35-102--Cont.

01-26-81	28.20
08-11-81	28.55
07-22-82	27.69
02-03-83	28.42
08-11-83	28.74
02-16-84	27.03
01-27-86	28.90
02-18-86	30.13

Well JY-65-35-201
Owner: A.P. George, Est.
Screen: 735-803 feet
Altitude: 75 feet

Date	Well level
01-27-86	85.80

Well JY-65-35-302
Owner: Houston Lighting and Power Co., W. A. Parrish, Well no. 1
Screen: 540-690 feet
Altitude: 74 feet

Date	Well level
08-04-72	100
01-05-73	96
07-06-73	93
01-04-74	97
06-14-74	96
12-16-74	91
08-08-75	97
12-05-75	99
01-07-77	102
02-18-77	103
03-17-77	103.5
04-22-77	100
05-20-77	100
06-17-77	103
07-08-77	105
08-05-77	108
09-09-77	108
10-07-77	108.5
12-09-77	108
01-06-78	108
03-03-78	107
05-12-78	108
07-28-78	112
08-18-78	113
09-22-78	114
10-06-78	114
01-08-79	114
01-18-80	113
10- -80	120
02-06-81	119
03-20-81	119
05-15-81	118
06-17-81	120
08-21-81	123
09-18-81	125
10-09-81	123
02-12-82	128
03-02-82	122
05-14-82	118
07-02-82	124
08-06-82	128
09-03-82	128
10-08-82	128
11-05-82	128

Well JY-65-35-302--Cont.

01-07-83	129
02-11-83	126
03-11-83	125
04-15-83	124
05-27-83	123
06-24-83	127
07-08-83	128
09-09-83	128
10-14-83	126
11-04-83	127
12-21-83	128
02-10-84	128
03-16-84	126
04-06-84	125
05-18-84	128
06-08-84	128
07-13-84	132
09-07-84	133
10-05-84	131
11-09-84	129
12-07-84	133
01-11-85	130
02-08-85	132
03-15-85	133
04-26-85	130
05-17-85	127
06-21-85	130
07-12-85	131
08-16-85	131
09-13-85	126
10-11-85	134
11-08-85	133
12-20-85	128
01-10-86	132
02-21-86	128
04-11-86	130
06-13-86	132
07-11-86	128
08-08-86	132
09-05-86	133
11-14-86	129
12-12-86	127
01-09-87	128

Well JY-65-35-303
Owner: Houston Lighting and Power Co., W.A. Parrish, Well no. 2
Screen: 457-790 feet
Altitude: 72 feet

Date	Water level
01-20-69	85.18
08-04-72	100
01-05-73	96
07-06-73	96
01-04-74	96
06-14-74	95
12-16-74	89
08-08-75	99
12-05-75	95
01-07-77	99
02-18-77	98
07-28-78	109
08-18-78	111
09-22-78	110
10-06-78	110
01-08-79	105
01-18-80	111
10- -80	116
02-06-81	115
03-20-81	115
05-15-81	116

Well JY-65-35-303--Cont.

06-26-81	120
08-21-81	121
09-18-81	123
10-09-81	121
02-12-82	126
03-02-82	120
05-14-82	117
07-06-82	123
08-06-82	128
09-03-82	129
10-08-82	130
11-05-82	125
01-07-83	125
02-11-83	124
03-11-83	121
05-27-83	123
06-24-83	123
07-08-83	124
09-09-83	123
10-14-83	126
11-04-83	123
12-21-83	123
02-10-84	124
03-16-84	121
04-06-84	123
05-18-84	123
06-08-84	126
07-13-84	129
09-07-84	128
10-05-84	128
11-09-84	125
12-07-84	128
01-11-85	125
02-08-85	128
03-15-85	125
04-26-85	119
05-17-85	126
06-21-85	126
07-12-85	126
08-16-85	129
09-13-85	132
10-11-85	131
12-20-85	126
01-10-86	127
02-21-86	124
04-11-86	123
06-13-86	125
07-11-86	126
08-08-86	126
09-05-86	129
11-14-86	126
12-12-86	124
01-09-87	123

Well JY-65-35-304
Owner: Houston Lighting and Power Co., W. A. Parrish, Well no. 3
Screen: 453-836 feet
Altitude: 70 feet

Date	Water level
08-04-72	100
01-05-73	96
07-06-73	97
01-04-74	102
06-14-74	101
12-16-74	93
08-08-75	102
12-05-75	102
01-07-77	105
02-18-77	103
03-17-77	103

Well JY-65-35-304--Cont.

04-22-77	102
05-20-77	103
06-17-77	105
07-08-77	106
08-05-77	110
09-09-77	111
10-07-77	111
11-10-77	113
01-06-78	110
03-03-78	111
05-12-78	111
07-28-78	115
08-18-78	115
09-22-78	117
10-06-78	118
01-08-79	118
10- -80	108
02-06-81	108
03-20-81	108
05-15-81	105
06-17-81	104
08-21-81	107
09-18-81	106
10-09-81	106
02-12-82	110
03-02-82	103
05-14-82	102
07-02-82	108
08-06-82	111
09-03-82	113
10-08-82	113
11-05-82	113
01-07-83	113
02-11-83	112
03-11-83	112
04-15-83	109
05-27-83	110
06-24-83	112
07-08-83	114
09-09-83	113
10-14-83	108
11-04-83	113
12-21-83	113
02-10-84	115
03-16-84	115
04-06-84	114
05-18-84	115
06-08-84	116
07-13-84	119
09-07-84	121
10-05-84	116
11-09-84	115
12-07-84	117
01-11-85	118
02-08-85	118
03-15-85	115
04-26-85	113
05-17-85	115
06-21-85	116
07-12-85	117
08-16-85	117
09-13-85	120
10-11-85	118
11-08-85	122
12-20-85	121
01-10-86	117
02-12-86	116
04-11-86	119
06-13-86	118
07-11-86	117
08-08-86	118
09-05-86	119
11-14-86	117
12-12-86	116
01-09-87	115

Well JY-65-35-701
Owner: Jefferson Lake Sulphur Co., Well no. 4
Depth: 285 feet
Altitude: 69 feet

Date	Water level
01-29-86	54.11

Well JY-65-35-702
Owner: Jefferson Lake Sulphur Co., Well no. 5
Screen: 220-725 feet
Altitude: 67 feet

Date	Water level
01-30-86	25.70

Well JY-65-35-704
Owner: Jefferson Lake Sulphur Co., Well no. 3
Screen: 247-262 feet
Altitude: 67 feet

Date	Water level
01-30-86	54.40

Well JY-65-35-707
Owner: Jefferson Lake Sulphur Co., Well no. 7
Screen: 235-486 feet
Altitude: 67 feet

Date	Water level
01-29-86	64.50
02-26-87	62.42

Well JY-65-35-709
Owner: Jefferson Lake Sulphur Co., Well no. 9
Screen: 344-494 feet
Altitude: 70 feet

Date	Water level
01-30-86	83.88

Well JY-65-35-710
Owner: Jefferson Lake Sulphur Co., Well no. 10
Screen: 240-503 feet
Altitude: 68 feet

Date	Water level
01-30-86	69.15

Well JY-65-35-711
Owner: Jefferson Lake Sulphur Co., Well no. 6
Screen: 407-497 feet
Altitude: 68 feet

Date	Water level
01-29-86	82.19
02-26-87	80.58

Well JY-65-36-201
Owner: Chicago Corp.
Depth: 375 feet
Altitude: 58 feet

Date	Water level
02-13-87	76.75

Well JY-65-36-207
Owner: Chicago Corp.
Depth: 400 feet
Altitude: 58 feet

Date	Water level
02-13-87	87.07

Well JY-65-36-508
Owner: W. P. Sweringen
Depth: 380 feet
Altitude: 56 feet

Date	Water level
02-12-87	56.94

Well JY-65-42-101
Owner: L. Krobot
Screen: 110-261 feet
Altitude: 78 feet

Date	Water level
01-09-86	40.65
01-29-87	41.59

Well JY-65-42-105
Owner: W. L. Gray
Depth: 1,200 feet
Altitude: 72 feet

Date	Water level
01-09-86	56.71
01-29-87	67.15

Well JY-65-42-206
Owner: Jack Wendt
Screen: 184-1,082 feet
Altitude: 81 feet

Date	Water level
01-09-86	87.12
01-29-87	86.20

Well JY-65-42-207
Owner: J. Moore
Depth: 1,105 feet
Altitude: 82 feet

Date	Water level
01-09-86	83.90
01-29-87	84.20

Well JY-65-42-301
Owner: C. A. Danklefs, Well no. 1
Depth: 545 feet
Altitude: 77 feet

Date	Water level
01-09-86	22.56
01-29-87	20.46

Well JY-65-42-302
Owner: C. A. Danklefs
Screen: 64-551 feet
Altitude: 55 feet

Date	Water level
01-10-86	24.98

Well JY-65-42-304
Owner: A. Bosak
Depth: 110 feet
Altitude: 76 feet

Date	Water level
01-10-86	24.37

Well JY-65-43-101
Owner: C. A. Danklefs
Screen: 275-1,195 feet
Altitude: 76 feet

Date	Water level
01-10-69	73.38
01-29-70	73.64
01-12-71	81.21
01-17-72	77.74
01-23-73	73.64
01-17-74	74.39
01-17-75	72.97

Well JY-65-43-101--Cont.

01-13-76	76.13
01-12-77	79.47
03-17-78	77.71
02-22-79	84.78
08-03-79	94.15
01-17-80	82.80
08-07-80	100.22
01-27-81	84.94
08-13-81	97.94
02-24-82	85.02
07-23-82	95.79
02-03-83	97.88
08-11-83	100.30
02-22-84	98.60
01-22-85	78.51
10-01-85	80.66
01-07-86	93.18
01-29-87	87.53

Well JY-65-43-202
Owner: John Mahlmann
Depth: 212 feet
Altitude: 58 feet

Date	Water level
01-07-86	13.27

Well JY-65-43-301
Owner: J. Frank Jungman
Depth: 1,155 feet
Altitude: 71 feet

Date	Water level
01-07-86	105.97

Well JY-65-43-502
Owner: Robert Mueck
Screen: 108-128 feet
Altitude: 54 feet

Date	Water level
01-07-86	17.27

Well JY-65-43-504
Owner: C. and J. Gless
Screen: 277-756 feet
Altitude: 56 feet

Date	Water level
01-09-86	92.93
01-29-87	80.10

Well JY-65-43-602
Owner: Unknown
Depth: 482 feet
Altitude: 57 feet

Date	Water level
01-23-69	73.10
08-12-69	74.03
01-29-70	70.86
08-14-70	83.02
01-12-71	69.11
08-13-71	86.29
01-17-72	69.07
08-07-72	85.94
01-23-73	71.28
08-10-73	92.46
01-17-74	72.21
01-17-75	71.97
08-08-75	94.10
01-13-76	73.37
08-04-76	91.63
01-17-77	73.20
08-03-77	96.82
03-21-78	76.44
08-09-78	95.75
02-22-79	80.74
08-06-79	93.57
01-17-80	80.15
08-07-80	97.50
01-27-81	82.36
08-13-81	99.02
03-01-82	84.28
07-23-82	91.56
02-03-83	87.05
08-11-83	88.74
02-22-84	89.06
01-22-85	89.70
10-01-85	90.88
01-07-86	91.68

Well JY-65-44-101
Owner: J. Q. Vencil
Screen: 216-874 feet
Altitude: 59 feet

Date	Water level
01-29-86	94.92
01-29-87	92.59

Well JY-66-24-601
Owner: Valley Lodge
Depth: 227 feet
Altitude: 105 feet

Date	Water level
02-24-87	30.85

Well JY-66-32-902
Owner: Simon Kucera
Depth: 304 feet
Altitude: 113 feet

Date	Water level
01-31-86	50.80

Well JY-66-32-905
Owner: W. Duncan
Depth: 270 feet
Altitude: 112 feet

Date	Water level
01-31-86	47.87
02-02-87	46.99

Well JY-66-32-906
Owner: Bay Ridge Christian College
Screen: 75-115 feet
Altitude: 112 feet

Date	Water level
01-31-86	35.29

Well JY-66-40-304
Owner: Bay Ridge Christian College
Screen: 105-115 feet
Altitude: 105 feet

Date	Water level
01-13-86	38.32

Well JY-66-40-307
Owner: Bay Ridge Christian College
Depth: 324 feet
Altitude: 111 feet

Date	Water level
01-13-86	46.02
02-02-87	46.62

Table 5.--Average specific-unit compaction values

[ft, foot]

Site	Period	Average water-level decline (ft)	Clay thickness (ft)	Specific-unit compaction (per ft)
Katy	1906-43	62	--	5.2×10^{-6}
	1943-51	12	--	2.6×10^{-6}
	1951-54	8	--	--
	1954-59	9	--	1.8×10^{-5}
	1959-64	6	--	1.8×10^{-5}
	1964-73	21	--	3.3×10^{-5}
	1973-78	9	--	2.5×10^{-5}
	1943-64	35	--	8.7×10^{-6}
	1943-73	56	--	1.7×10^{-5}
	1943-78	65	--	1.9×10^{-5}
	1906-54	82	--	4.3×10^{-6}
	1954-78	45	--	2.7×10^{-5}
	1906-78	127	720	1.2×10^{-5}
Pasadena 1/	1906-43	177	--	4.0×10^{-6}
	1943-51	--	--	--
	1951-54	--	--	--
	1954-59	--	--	--
	1959-64	--	--	--
	1964-73	67	--	4.3×10^{-5}
	1973-78	5	--	1.6×10^{-5}
	1943-64	93	--	3.8×10^{-5}
	1943-73	160	--	4.0×10^{-5}
	1943-78	166	--	4.3×10^{-5}
	1906-54	--	--	--
	1954-78	--	--	--
	1906-78	342	1,140	2.3×10^{-5}
Addicks 1/	1906-43	68	--	6.1×10^{-6}
	1943-51	--	--	--
	1951-54	--	--	--
	1954-59	--	--	--
	1959-64	--	--	--
	1964-73	138	--	1.0×10^{-5}
	1973-78	34	--	2.0×10^{-5}
	1943-64	76	--	1.4×10^{-5}
	1943-73	214	--	1.2×10^{-5}
	1943-78	248	--	1.3×10^{-5}
	1906-54	--	--	--
	1954-78	--	--	--
	1906-78	316	730	1.1×10^{-5}

1/ From Gabrysch, 1982, table 1.

Table 6.--Chemical analyses of water from wells in Fort Bend County, 1969-87

Water-bearing unit: CHCT, Chicot aquifer; EVGL, Evangeline aquifer.
[M.U.D., Municipal Utility District; ft, feet; µS/cm, microsiemens per centimeter at 25 °C; °C, degrees Celsius; mg/L, milligrams per liter; µg/L, micrograms per liter; --, not detected; <, less than]

Well	Owner	Date of sample	Water-bearing unit	Depth or producing interval (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Hardness (mg/L as $CaCO_3$)	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)	Fluoride, dissolved (mg/L)	Silica, dissolved (mg/L)	Solids, dissolved, sum of constituents (mg/L)	Iron, dissolved (µg/L)	Manganese, dissolved (µg/L)
JY-65-10-713	Glen H. Beeler	86-08-19	CHCT	165	620	7.1	22.5	200	71	6.1	49	--	230	0	4.8	73	0.20	32	350	--	--
JY-65-10-810	Falcon Point	86-08-19	EVGL, CHCT	405 - 638	476	7.4	23.5	180	60	6.4	27	1.6	207	0	16	38	.20	26	280	--	--
JY-65-10-811	Ft. Bend County M.U.D. 37, Well No. 1	83-11-18 1/	EVGL	570 - 1,012	500	7.5	--	140	46	6.5	49	--	207	0	12	46	.80	--	--	80	30
		86-08-21			462	7.6	25.1	--	--	--	--	--	190	0	--	--	--	--	--	--	--
JY-65-10-812	City of Katy, Well No. 5	86-08-21	CHCT, EVGL	444 - 634	481	7.5	24.4	--	--	--	--	--	188	0	--	48	--	--	--	--	--
JY-65-17-202	L. D. Ware	86-08-22	CHCT	352	654	7.3	22.5	--	--	--	--	--	245	0	--	80	--	--	--	--	--
JY-65-17-206	Richard A. Woods	86-08-21	CHCT, EVGL	156 - 583	572	7.4	23.5	--	--	--	--	--	218	0	--	69	--	--	--	--	--
JY-65-17-608	Ft. Bend County Precinct 4, Road and Bridge Maintenance	86-08-21	CHCT	160 - 170	683	7.3	23.0	240	86	6.6	47	.90	267	0	4.1	77	.20	29	380	--	--
JY-65-17-610	City of Fulshear	86-08-21	CHCT	150	626	7.4	24.0	--	--	--	--	--	262	0	--	67	--	--	--	--	--
JY-65-17-613	L. D. Linley	86-08-21	CHCT	200	625	7.2	23.5	250	88	7.0	49	1.0	296	0	4.7	73	.10	29	400	--	--
JY-65-18-609	Ft. Bend County M.U.D. 34	83-10-20 2/	EVGL	658 - 1,090	445	7.7	--	100	33	5	77	--	220	0	17	50	.30	6	300	70	20
JY-65-18-611	Ft. Bend County M.U.D. 50	86-08-12	EVGL	710 - 1,189	490	7.8	28.3	--	--	--	--	--	208	0	--	--	--	--	--	--	--
JY-65-19-407	Ft. Bend County M.U.D. 50	86-08-12	CHCT, EVGL	727	505	7.5	24.3	--	--	--	--	--	206	0	--	--	--	--	--	--	--
JY-65-19-510	Chelford City M.U.D., Well No. 2	81-10-20 3/	CHCT, EVGL	530 - 800	533	7.1	--	200	66	9	29	--	230	0	6	48	.20 4/	21	290	<50 5/	<50 6/
JY-65-19-513	Big Oak M.U.D., Well No. 1	85-03-11 3/	CHCT, EVGL	420 - 714	530	7.6	24.5	190	62	8	37	--	232	0	8	49	.20 4/	25	300	20 5/	10 6/
JY-65-19-601	John L. Dore Co.	68-05-20 7/	CHCT	462 - 542	563	7.4	--	220	77	7	35	--	253	0	8	57	--	21	330	80 5/	--
		85-11-05 8/			612	--	--	221	75	8	32	--	249	0	7	57	.2	--	--	--	--

See footnotes at end of table.

Table 6.--Chemical analyses of water from wells in Fort Bend County, 1969-87--Continued

Well	Owner	Date of sample	Water-bearing unit	Depth or producing interval (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Hardness (mg/L as $CaCO_3$)	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)	Fluoride, dissolved (mg/L)	Silica, dissolved (mg/L)	Solids, dissolved, sum of constituents (mg/L)	Iron, dissolved (µg/L)	Manganese, dissolved (µg/L)
JY-65-19-603	Kingsbridge M.U.D., Well No. 1	83-02-18 3/	EVGL	610 - 1,490	530	7.2	--	190	58	10	38	--	230	0	11	50	0.20 4/	23	300	70 5/	<50 6/
JY-65-19-604	Tree and Wood Disposal	86-08-14	CHCT	220 - 240	639	7.7	23.0	--	--	--	--	--	278	0	--	67	--	--	--	--	--
JY-65-19-605	Coastal Cement and Sand	86-08-14	CHCT	180	635	7.4	25.0	--	--	--	--	--	277	0	--	65	--	--	--	--	--
JY-65-19-703	Texas Department of Corrections	87-03-17	CHCT	336	632	--	--	--	--	--	--	--	--	--	--	66	--	--	--	--	--
JY-65-19-706	Pecan Grove M.U.D. 2, Well No. 1	84-02-17 3/	CHCT, EVGL	459 - 884	502	7.0	22.5	150	48	7	48	--	212	0	18	44	.20 4/	22	290	90 5/	10 6/
JY-65-19-807	Texas Department of Corrections, Beuford Jester Unit No. 5	78-09-25 3/	EVGL	760 - 1,025	433	7.9	--	97	29	6	68	--	229	0	13	30	.30 4/	18	280	80 5/	50 6/
		86-08-15			466	7.9	25.5	--	--	--	--	--	222	0	--	30	--	--	--	--	--
JY-65-19-809	Ft. Bend County M.U.D. 25, Well No. 1	79-01-08 2/	CHCT, EVGL	510 - 850	486	7.0	--	230	75	9.5	21	--	218	0	8.9	59	.70	--	430	10	<20
JY-65-19-904	Ft. Bend County W.C.I.D. 4	69-08-21 3/	EVGL	1,305 - 1,760	690	8.1	--	52	14	4	140	--	278	0	19	73	--	14	400	300 5/	--
		87-02-20			709	--	--	--	--	--	--	--	--	--	--	80	--	--	--	--	--
JY-65-19-905	Ft. Bend County M.U.D. 25, Well No. 2	80-08-06 2/	CHCT, EVGL	562 - 914	488	7.1	--	130	40	7	64	--	230	0	14	49	.40	11	300	100	20
		83-06-21			552	7.3	24.0	--	--	--	--	--	--	--	--	55	--	--	--	--	--
JY-65-19-906	Ft. Bend County M.U.D. 41, Well No. 1	84-11-14 3/	EVGL	1,060 - 1,550	510	8.0	25.0	62	18	4	96	--	249	0	11	40	.40 4/	13	300	140 5/	20 6/
JY-65-19-908	L.A.Wheeler, III	86-08-12	CHCT	250	654	7.5	22.0	--	--	--	--	--	268	--	--	74	--	--	--	--	--
JY-65-19-910	Ft. Bend County M.U.D. 2	87-02-11	EVGL CHCT	546 - 969	543	--	--	--	--	--	--	--	--	--	--	49	--	--	--	--	--
JY-65-20-702	Flopetrol Johnston	78-02-06 8/	EVGL	823 - 1,006	--	7.9	--	152	48	8	40	--	221	0	15	31	.3	--	--	--	<20
		86-01-24 8/			--	8.2	--	152	45	10	39	--	222	0	15	31	--	--	--	--	--
JY-65-20-708	Ft. Bend County W.C.I.D. 2	70-03-24 3/	EVGL	920 - 1,610	454	7.6	--	150	48	8	46	--	232	0	13	34	--	22	280	120 5/	--

See footnotes at end of table.

Table 6.--Chemical analyses of water from wells in Fort Bend County, 1969-87--Continued

Well	Owner	Date of sample	Water-bearing unit	Depth or producing interval (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Hardness (mg/L as $CaCO_3$)	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)	Fluoride, dissolved (mg/L)	Silica, dissolved (mg/L)	Solids, dissolved, sum of constituents (mg/L)	Iron, dissolved (µg/L)	Manganese, dissolved (µg/L)
JY-65-20-709	The Meadows M.U.D., Well No. 2	72-11-16 3/	EVGL	720 - 1,015	520	7.5	--	180	56	10	42	--	243	0	13	41	0.30 4/	24	310	140 5/	20
JY-65-20-711	City of Sugarland	75-08-28 3/	EVGL	920 - 1,650	531	7.5	--	90	28	5	88	--	242	0	18	45	.60 4/	18	320	70 5/	20 6/
JY-65-20-804	Weatherford Farm and Greenhouse, Inc.	83-06-16	CHCT	357 - 377	610	7.4	25.5	--	--	--	--	--	--	--	--	58	--	--	--	--	--
JY-65-20-806	The Meadows M.U.D., Well No. 1	70-06-02 3/	EVGL	750 - 1,028	498	7.6	--	170	51	10	43	--	238	0	14	37	--	22	290	50 5/	--
		87-02-11			547	--	--	--	--	--	--	--	--	--	--	48	--	--	--	--	--
JY-65-20-809	Texas Instruments, Inc., Well No. 3	80-10-09 2/	CHCT, EVGL	522 - 924	551	6.4	--	270	81	16	33	--	290	0	9	65	.10	8	360	70	10
JY-65-20-914	Ft. Bend County W.C.I.D. 2	78-01-18 3/	EVGL	910 - 1,660	472	8.0	--	110	33	6	61	--	235	0	7	28	.20 4/	22	270	50 5/	50 6/
		87-02-11			477	--	--	--	--	--	--	--	--	--	--	30	--	--	--	--	--
JY-65-25-201	Duval Sulphur and Potash Co.	86-08-29	CHCT	144 - 284	357	6.4	21.5	--	--	--	--	--	65	--	--	65	--	--	--	--	--
JY-65-25-301	R. E. Smith	87-08-11	CHCT	91 - 432	430	--	--	--	--	--	--	--	--	--	--	48	--	--	--	--	--
JY-65-25-302	R. E. Smith	87-08-06	CHCT	111 - 431	1,050	--	--	--	--	--	--	--	--	--	--	190	--	--	--	--	--
JY-65-25-407	Heirs of Ivy M. Morrison	87-08-11	CHCT, EVGL	277 - 934	654	--	--	--	--	--	--	--	--	--	--	82	--	--	--	--	--
JY-65-25-506	John Moore	87-08-06	CHCT, EVGL	200 - 770	2,870	--	--	--	--	--	--	--	--	--	--	710	--	--	--	--	--
JY-65-25-606	Heirs of Ivy M. Morrison	87-08-06	CHCT	281 - 915	1,180	--	--	--	--	--	--	--	--	--	--	200	--	--	--	--	--
JY-65-25-607	Murphy Manufacturing Co.	87-08-06	CHCT	340 - 390	806	--	--	--	--	--	--	--	--	--	--	98	--	--	--	--	--
JY-65-25-608	A. Kolojaco	86-08-29	CHCT	200	769	7.4	23.5	280	87	16	59	2.1	439	0	7.8	37	.30	23	450	--	--
JY-65-25-609	I. M. Morrison	86-08-29	CHCT	60	620	7.2	22.5	240	78	12	56	1.9	388	0	11	42	.30	22	410	--	--
JY-65-25-909	Wilford Hopmann	87-08-11	CHCT	473	906	--	--	--	--	--	--	--	--	--	--	97	--	--	--	--	--
JY-65-26-403	Quanex	87-03-02	CHCT, EVGL	692 - 859	1,320	--	--	--	--	--	--	--	--	--	--	330	--	--	--	--	--

See footnotes at end of table.

Table 6.--Chemical analyses of water from wells in Fort Bend County, 1969-87--Continued

Well	Owner	Date of sample	Water-bearing unit	Depth or producing interval (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Hardness (mg/L as $CaCO_3$)	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)	Fluoride, dissolved (mg/L)	Silica, dissolved (mg/L)	Solids, dissolved, sum of constituents (mg/L)	Iron, dissolved (µg/L)	Manganese, dissolved (µg/L)
JY-65-26-406	Quanex	83-08-12	EVGL	968 - 1,160	--	8.1	--	96	29	6	72	--	227	0	1	52	0.3	--	--	--	--
JY-65-26-501	City of Rosenberg, Well No. 3	84-03-12 [8]	CHCT, EVGL	545 - 837	--	--	--	--	38	6	74	--	233	0	12	51	.3	--	--	--	--
		87-02-16			557	--	--	--	--	--	--	--	--	--	--	56	--	--	--	--	--
JY-65-26-502	City of Rosenberg, Well No. 4	84-03-12 [8]	CHCT, EVGL	629 - 966	576	7.9	--	110	36	5	77	--	234	0	13	49	.3	--	--	--	--
		87-02-16			525	--	--	--	--	--	--	--	--	--	--	44	--	--	--	--	--
JY-65-26-503	City of Rosenberg, Well No. 5	84-03-12 [8]	EVGL	970 - 1,590	575	8.0	--	--	21	3	98	--	257	0	2	50	.6	--	--	--	--
		87-02-16			557	--	--	--	--	--	--	--	--	--	--	54	--	--	--	--	--
JY-65-26-601	City of Richmond	73-02-05	CHCT	317 - 447	730	7.4	--	176	58	8	99	--	262	0	26	107	.3	--	--	--	--
		75-01-06			700	7.4	--	172	69	6	92	--	250	0	24	105	.2	--	--	--	--
		77-01-04			690	8.1	--	191	65	7	102	--	299	0	21	109	.3	--	--	--	--
		87-02-18 [8]			755	--	--	--	--	--	--	--	--	--	--	100	--	--	--	--	--
JY-65-26-603	City of Richmond	73-02-05	CHCT	342 - 514	534	7.5	--	168	54	8	55	--	232	0	20	57	.3	--	--	--	--
		75-01-06			510	7.5	--	192	66	7	39	--	226	0	20	55	.2	--	--	--	--
		77-01-04			550	8.0	--	188	64	7	49	--	232	0	17	65	.2	--	--	--	--
		85-09-27			648	8.3	--	202	66	9	42	--	232	0	19	65	.3	--	--	--	--
		87-02-18 [8]			592	--	--	--	--	--	--	--	--	--	--	63	--	--	--	--	--
JY-65-26-612	City of Richmond	86-08-15	CHCT	543 - 835	462	7.7	24.5	--	--	--	--	--	219	--	--	31	--	--	--	--	--
JY-65-26-613	Ft. Bend Country Club	86-08-20	CHCT	502	779	7.3	22.5	280	90	14	53	1.8	274	0	27	97	.30	23	440	--	--
JY-65-26-812	City of Rosenberg, Well No. 6	84-02-21 [8]	EVGL	810 - 1,310	816	8.0	--	119	39	5	122	--	227	0	7	129	.3	--	--	--	--
		87-02-18			743	--	--	--	--	--	--	--	--	--	--	95	--	--	--	--	--
JY-65-27-106	Pecan Grove M.U.D.	78-07-05 [3]	EVGL	734 - 1,390	441	7.7	--	100	32	6	69	--	231	0	9	40	.40 [4]	19	290	60 [5]	50 [6]
JY-65-27-108	Pecan Grove M.U.D., Well No. 2	83-05-18 [3]	CHCT	450 - 530	500	7.0	--	210	66	10	27	--	220	0	12	51	.20 [4]	23	300	60 [5]	<50 [6]
JY-65-27-213	Ft. Bend County M.U.D. 69, Well No. 1	84-05-24 [3]	EVGL	582 - 1,038	474	7.7	24.5	190	63	7	35	--	223	0	9	49	.10 [4]	25	300	250 [5]	10 [6]
JY-65-27-214	Pioneer Concrete	86-08-15	CHCT	408 - 423	615	7.8	25.8	--	--	--	--	--	241	--	--	74	--	--	--	--	--

See footnotes at end of table.

Table 6.--Chemical analyses of water from wells in Fort Bend County, 1969-87--Continued

Well	Owner	Date of sample	Water-bearing unit	Depth or producing interval (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Hardness (mg/L as $CaCO_3$)	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)	Fluoride, dissolved (mg/L)	Silica, dissolved (mg/L)	Solids, dissolved, sum of constituents (mg/L)	Iron, dissolved (µg/L)	Manganese, dissolved (µg/L)
JY-65-27-302	Ft. Bend Utilities, Well No. 8	71-02-10	EVGL	1,260 - 1,560	618	7.7	--	50	--	--	--	--	260	0	16	57	--	--	--	--	--
		72-02-02			618	7.5	29.5	48	--	--	--	--	254	0	--	56	--	--	--	--	--
		73-02-28			619	7.8	--	49	--	--	--	--	259	0	--	59	--	--	--	--	--
		74-05-07			625	8.0	--	48	--	--	--	--	254	0	--	58	--	--	--	--	--
		75-02-10			621	7.7	30.0	--	--	--	--	--	256	0	17	62	--	--	--	--	--
		76-03-16			622	7.9	--	--	--	--	--	--	258	0	0	60	--	--	--	--	--
		77-02-25			589	7.5	29.0	--	--	--	--	--	243	0	9.6	62	--	--	--	--	--
		79-03-01			589	7.7	29.0	--	--	--	--	--	250	0	18	49	--	--	--	--	--
		85-10-18			607	8.3	--	46	13	3	113	--	249	0	19	45	0.6	--	--	--	--
		87-03-20 [8]			578	--	--	--	--	--	--	--	--	--	--	64	--	--	--	--	--
JY-65-27-303	Ft. Bend Utilities, Well No. 9	72-02-02	CHCT, EVGL	503 - 865	579	7.1	--	210	--	--	--	--	232	0	--	58	--	--	--	--	--
		77-02-25			617	8.0	28.0	--	--	--	--	--	260	0	14	59	--	--	--	--	--
		79-03-01			535	7.3	26.0	--	--	--	--	--	240	0	12	62	--	--	--	--	--
JY-65-27-313	Ft. Bend Utilities, Well No. 7	71-02-10	CHCT	501 - 721	574	7.4	--	200	--	--	--	--	220	0	10	67	--	--	--	--	--
		73-02-28			588	7.5	--	220	--	--	--	--	222	0	--	72	--	--	--	--	--
		74-05-07			647	7.6	--	250	--	--	--	--	240	0	--	74	--	--	--	--	--
		78-05-16			623	7.3	--	--	--	--	--	--	240	0	8.0	71	--	--	--	--	--
		87-03-20			598	--	--	--	--	--	--	--	--	--	--	65	--	--	--	--	--
JY-65-27-322	Texas Department of Corrections, Central Unit	85-01-22 [3]	CHCT	321 - 395	610	7.3	25.5	250	83	11	31	--	264	0	0	72	.20 [4]	20	350	90 [5]	20 [6]
		86-08-15			644	7.3	22.5	260	81	13	33	1.5	260	0	9.2	71	.20	24	360	--	--
JY-65-27-323	Ft. Bend County M.U.D. 13, Well No. 3	82-05-14 [3]	EVGL	625 - 1,055	488	7.8	--	140	44	7	53	--	240	0	12	30	.30 [4]	19	280	<50 [5]	<50 [6]
		86-08-13			486	7.6	25.5	--	--	--	--	--	--	--	--	32	--	--	--	--	--
JY-65-27-324	Ft. Bend Utilities, Well No. 10	85-08-20 [3]	EVGL	660 - 1,010	513	7.2	23.5	170	55	9	42	--	234	0	12	45	.30 [4]	24	300	20 [5]	60 [6]
JY-65-27-504	Plantation M.U.D., Well No. 1	78-05-23 [9]	CHCT	509 - 799	526	--	--	130	40	6.7	59	3.6	--	--	18	32	--	24	--	60	10
		86-07-23			471	7.5	24.9	--	--	--	--	--	233	0	--	25	--	--	--	--	--
JY-65-27-505	Plantation M.U.D., Well No. 2	80-10-20 [1]	CHCT, EVGL	582 - 830	500	7.4	--	150	49	7	51	--	250	0	16	31	.50	--	--	80	10
		86-07-23			490	7.4	25.0	160	50	8.8	40	2.1	245	0	21	28	.30	24	290	--	--
JY-65-27-609	Greystone Construction Co.	87-02-18	CHCT	423 - 463	630	--	--	--	--	--	--	--	--	--	--	68	--	--	--	--	--
JY-65-28-102	City of Cities M.U.D., Sugar Creek, Well No. 1	70-05-13 [3]	EVGL	519 - 884	509	7.4	--	140	36	11	41	--	248	0	12	42	--	22	290	70 [5]	--

See footnotes at end of table.

Table 6.--Chemical analyses of water from wells in Fort Bend County, 1969-87--Continued

Well	Owner	Date of sample	Water-bearing unit	Depth or producing interval (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Hardness (mg/L as $CaCO_3$)	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)	Fluoride, dissolved (mg/L)	Silica, dissolved (mg/L)	Solids, dissolved, sum of constituents (mg/L)	Iron, dissolved (µg/L)	Manganese, dissolved (µg/L)
JY-65-28-103	City of Cities	74-05-25 3/	CHCT, EVGL	580 - 980	600	7.5	--	190	59	11	42	--	253	0	15	44	0.30 4/	22	320	150 5/	40 6/
JY-65-28-104	Ft. Bend County M.U.D. 12, Well No. 1	86-08-13	CHCT, EVGL	695 - 1,658	500	7.7	26.0	--	--	--	--	--	232	0	--	32	--	--	--	--	--
JY-65-28-105	Ft. Bend County M.U.D. 13, Well No. 2	82-07-06 3/	CHCT, EVGL	630 - 1,090	479	7.6	--	160	47	9	46	--	240	0	16	30	.30 4/	22	290	70 5/	<50 6/
		86-08-13			510	7.6	24.5	--	--	--	--	--	240	0	--	37	--	--	--	--	--
JY-65-28-207	Meadow Creek M.U.D.	74-12-18 3/	CHCT, EVGL	685 - 1,111	470	7.4	--	140	44	7	--	--	239	0	16	27	.30 4/	22	--	100 5/	20 6/
JY-65-28-208	Quail Valley U.D., Well No. 3	78-04-12 3/	EVGL	725 - 1,305	458	7.7	25.5	130	39	7	52	--	233	0	9	27	.30 4/	23	270	50 5/	50 6/
		83-07-19			460	7.5	26.5	--	--	--	--	--	--	--	--	24	--	--	--	--	--
		87-02-11			463	--	--	--	--	--	--	--	--	--	--	25	--	--	--	--	--
JY-65-28-210	First Colony M.U.D. 9, Well No. 1	84-05-16 3/	EVGL	720 - 1,190	482	7.1	--	140	46	6	47	--	239	0	11	26	.25 4/	22	280	60 5/	20 6/
JY-65-28-211	Ft. Bend County M.U.D. 42, Well No. 1	84-10-25 3/	EVGL, CHCT	628 - 1,072	460	7.6	23.0	150	52	5	39	--	239	0	12	20	.20 4/	24	270	40 5/	40 6/
JY-65-28-212	R. M. Moeckek	86-07-23	CHCT	300	615	7.5	24.0	--	--	--	--	--	278	0	--	65	--	--	--	--	--
JY-65-28-309	Blue Ridge M.U.D. Chasewood	69-05-30 3/	EVGL	770 - 1,020	526	7.8	--	100	33	5	85	--	265	0	15	41	--	21	330	90 5/	--
		83-06-07			509	7.7	26.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		84-05-15			525	7.9	--	--	--	--	--	--	--	--	--	48	--	--	--	--	--
		86-08-21 10/			560	7.6	--	100	35	6	75	1.2	239	0	12	27	.5	20	315	--	--
JY-65-28-311	City of Houston, Sims Bayou, Well No. 6	76-09-08	EVGL	656 - 1,182	525	7.8	26.0	--	--	--	--	--	250	--	14	38	--	--	--	--	--
		77-02-11			528	7.6	26.5	--	--	--	--	--	250	--	13	37	--	--	--	--	--
		78-02-22			540	7.7	--	--	--	--	--	--	260	--	13	37	--	--	--	--	--
		79-03-14			524	7.5	24.5	--	--	--	--	--	250	--	12	36	--	--	--	--	--
		86-02-19			508	7.2	26.0	150	45	9	53	2.5	243	0	11	37	.3	27	310	--	25
		86-07-24			505	7.7	26.5	--	--	--	--	--	256	0	--	32	--	--	--	--	--
JY-65-28-312	Blue Ridge West M.U.D.	83-06-06	EVGL	894 - 1,224	534	7.6	26.0	--	--	--	--	--	--	--	--	30	--	--	--	--	--
		87-02-20			497	--	--	--	--	--	--	--	--	--	--	30	--	--	--	--	--
JY-65-28-313	Ft. Bend County M.U.D. 26	83-06-01	EVGL	800 - 1,180	470	7.5	26.0	--	--	--	--	--	--	--	--	29	--	--	--	--	--
		87-02-11			496	--	--	--	--	--	--	--	--	--	--	31	--	--	--	--	--

See footnotes at end of table.

Table 6.--Chemical analyses of water from wells in Fort Bend County, 1969-87--Continued

Well	Owner	Date of sample	Water-bearing unit	Depth of producing interval (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Hardness (mg/L as $CaCO_3$)	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)	Fluoride, dissolved (mg/L)	Silica, dissolved (mg/L)	Solids, dissolved, sum of constituents (mg/L)	Iron, dissolved (µg/L)	Manganese, dissolved (µg/L)
JY-65-28-314	Ft. Bend County M.U.D. 26	87-02-11	CHCT	328 - 403	561	--	--	--	--	--	--	--	--	--	--	36	--	--	--	--	--
JY-65-28-315	Blue Ridge West M.U.D., Well No. 1	80-02-05 3/	EVGL	770 - 1,140	610	8.0	--	34	12	1	132	--	300	0	12	46	1.2	17	370	60 5/	<50 6/
JY-65-28-317	Willowisp Country Club	86-07-24	CHCT	412 - 509	567	7.4	23.5	--	--	--	--	--	285	0	--	56	--	--	--	--	--
JY-65-28-318	Sisters of Our Lady of Mt. Caramel	86-07-22	CHCT	103 - 113	880	7.6	22.0	270	77	18	91	--	424	0	7.5	83	.50	25	510	--	--
JY-65-28-406	Ft. Bend County M.U.D. 12, Well No. 1	83-06-21	EVGL	689 - 1,652	480	7.8	26.0	--	--	--	--	--	--	--	--	29	--	--	--	--	--
JY-65-28-507	Thunderbird U.D., Well No. 3	77-01-28 3/	EVGL	1,007 - 1,150	458	7.6	--	130	40	7	56	--	237	0	12	30	.40 4/	21	280	60 5/	20 6/
JY-65-28-508	Quail Valley U.D., Well No. 2	83-05-25	EVGL	752 - 1,300	456	7.5	25.5	--	--	--	--	--	--	--	--	26	--	--	--	--	--
		87-02-11			475	--	--	--	--	--	--	--	--	--	--	25	--	--	--	--	--
JY-65-28-509	Palmer Plantation M.U.D. 1, Well No. 1	83-06-03 3/	EVGL	715 - 1,210	493	7.2	22.0	140	44	8	54	--	244	0	16	31	.30 4/	22	300	110 5/	50 6/
		87-02-18			492	--	--	--	--	--	--	--	--	--	--	27	--	--	--	--	--
JY-65-28-510	Ft. Bend County M.U.D. 46, Well No. 1	85-06-10 3/	EVGL, CHCT	660 - 1,050	458	7.7	25.0	140	41	8	51	--	242	0	10	27	.30 4/	21	280	110 5/	20 6/
JY-65-28-511	Palmer Plantation	87-02-18	CHCT	500	617	--	--	--	--	--	--	--	--	--	--	58	--	--	--	--	--
JY-65-28-603	Quail Valley U.D., Well No. 2	83-06-01	EVGL	620 - 1,056	470	7.4	26.0	--	--	--	--	--	--	--	--	26	--	--	--	--	--
JY-65-28-604	Thunderbird U.D., Thunderbird North	75-06-24 2/	CHCT, EVGL	626 - 1,299	600	8.0	27.0	50	13	3.9	120	--	278	0	14.6	48	.70	8	350	100	20
		83-05-31			564	7.8	26.0	--	--	--	--	--	--	--	--	39	--	--	--	--	--
JY-65-28-605	Ft. Bend County M.U.D. 45	83-11-16 2/	EVGL	706 - 1,000	885	8.2	--	10	4	0	240	--	300	14	10	173	1.3	23	610	100	10
JY-65-28-702	Glen R. Schultz	76-12-16 8/	CHCT	236 - 246	536	8.1	--	200	61	12	40	--	268	0	11	44	.30	20	320	100 5/	--

See footnotes at end of table.

Table 6.--Chemical analyses of water from wells in Fort Bend County, 1969-87--Continued

Well	Owner	Date of sample	Water-bearing unit	Depth or producing interval (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Hardness (mg/L as $CaCO_3$)	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)	Fluoride, dissolved (mg/L)	Silica, dissolved (mg/L)	Solids, dissolved, sum of constituents (mg/L)	Iron, dissolved (µg/L)	Manganese, dissolved (µg/L)
JY-65-28-703	Lee M. Brawner	76-12-14 8/	CHCT	300	437	8.1	--	160	47	9	39	--	232	0	<4	33	0.30	18	260	2,300 5/	--
JY-65-28-704	John B. Hasty	76-12-14 8/	CHCT	223 - 233	694	7.9	--	250	90	11	47	--	283	0	4	93	.30	21	400	100 5/	--
JY-65-28-705	Robert C. Newton	76-12-14 8/	CHCT	227 - 237	573	8.2	--	200	68	14	40	--	284	0	<4	54	.30	23	340	100 5/	--
JY-65-28-706	Newberne	76-12-14 8/	CHCT	240 - 250	555	7.8	--	200	65	13	38	--	259	0	11	52	.30	20	330	300 5/	--
JY-65-28-707	Charles J. Shuman	76-12-14 8/	CHCT	293 - 303	5,410	8.0	--	1,600	480	111	640	--	481	0	29	1,840	.20	25	3,400	200 5/	--
JY-65-28-708	Bill Cayan	76-12-14 8/	CHCT	227 - 239	550	8.0	--	210	63	12	40	--	267	0	12	48	.30	21	330	1,300 5/	--
JY-65-28-709	Drake Williams	76-12-14 8/	CHCT	293 - 303	535	8.2	--	200	59	13	44	--	290	0	<4	40	.40	20	320	200 5/	--
JY-65-28-710	Peter Mellan	76-12-14 8/	CHCT	232 - 242	2,750	7.5	--	1,200	343	72	132	--	346	0	5	810	.20	21	1,600	2,000 5/	--
JY-65-28-711	Arthur Kennedy	76-12-14 8/	CHCT	233 - 243	585	8.2	--	200	72	12	41	--	277	0	9	59	.30	21	350	100 5/	--
JY-65-28-712	Charles J. Shuman	86-07-21	CHCT	520	500	7.8	25.0	150	44	8.8	52	1.9	252	0	17	32	.40	21	300	--	--
JY-65-28-904	C. E. Shuman	86-07-21	CHCT	229 - 239	543	7.9	24.0	--	--	--	--	--	310	0	--	24	--	--	--	--	--
JY-65-29-104	City of Houston, Mayfair Park	76-03-19	EVGL	735 - 895	626	7.5	26.0	--	--	--	--	--	255	0	14	63	--	--	--	--	--
		78-05-16			640	7.4	--	--	--	--	--	--	260	0	13	66	--	--	--	--	--
		79-06-28			640	7.5	27.0	--	--	--	--	--	260	0	--	--	--	--	--	--	--
		83-05-24			606	7.4	26.0	--	--	--	--	--	--	--	--	62	--	--	--	--	--
		84-05-15			630	7.8	26.5	--	--	--	--	--	--	--	--	50	--	--	--	--	--
		86-02-19			653	7.1	26.0	180	58	9.5	65	2.3	252	0	14	76	.4	--	380	--	--
		86-08-19			615	7.5	26.0	--	--	--	--	--	256	--	--	60	--	--	--	--	--
		87-04-30 10/			680	7.5	--	166	51	8	59	2	224	0	12	69	.5	22	333	--	--
JY-65-29-107	City of Houston, Chasewood, Well No. 2	86-07-29	EVGL	750 - 1,205	582	7.9	27.0	--	--	--	--	--	263	0	--	48	--	--	--	--	--
JY-65-29-109	City of Houston, Ridgemont, Well No. 2	86-07-29	EVGL	650 - 1,204	808	7.9	27.5	--	--	--	--	--	290	0	--	110	--	--	--	--	--
JY-65-29-110	C. Bratton	86-08-19	CHCT	110	808	7.7	23.5	300	86	21	58	1.5	371	0	5.3	80	.40	27	460	--	--

See footnotes at end of table.

Table 6.--Chemical analyses of water from wells in Fort Bend County, 1969-87--Continued

Well	Owner	Date of sample	Water-bearing unit	Depth or producing interval (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Hardness (mg/L as $CaCO_3$)	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)	Fluoride, dissolved (mg/L)	Silica, dissolved (mg/L)	Solids, dissolved, sum of constituents (mg/L)	Iron, dissolved (µg/L)	Manganese, dissolved (µg/L)
JY-65-29-209	City of Houston, Ridgemont, Well No. 1	69-09-11 3/	EVGL	766 - 1,035	573	7.7	--	100	32	5	92	--	265	0	13	50	--	18	340	80 5/	--
		83-06-06			631	7.6	27.0	--	--	--	--	--	--	--	--	62	--	--	--	--	--
		84-05-15			660	7.7	27.0	--	--	--	--	--	--	--	--	71	--	--	--	--	--
		86-07-29			639	7.8	26.5	--	--	--	--	--	260	0	--	66	--	--	--	--	--
JY-65-29-401	United Salt Corp.	83-05-24	CHCT	468 - 488	1,020	7.4	26.0	--	--	--	--	--	--	--	--	160	--	--	--	--	--
		86-07-17			1,050	8.0	27.0	90	25	6.6	190	1.6	330	0	17	180	.80	17	600	--	--
JY-65-29-407	Houston Gun Club	86-07-17	CHCT	100	1,270	7.5	22.5	--	--	--	--	--	497	0	--	190	--	--	--	--	--
JY-65-29-516	Heat Exchangers, Inc.	86-08-19	CHCT	345 - 365	553	7.6	24.0	--	--	--	--	--	297	0	--	28	--	--	--	--	--
JY-65-29-705	W. E. Gantenbien	86-07-17	CHCT	441 - 468	769	8.1	24.0	56	15	4.4	150	1.2	360	0	24	64	1.0	17	450	--	--
JY-65-29-706	Ft. Bend County M.U.D. 23, Well No. 1	84-05-01 3/	EVGL	880 - 1,320	1,250	7.5	23.0	50	20	4	247	--	373	0	3	208	1.6 4/	15	680	240 5/	20 6/
		86-04-25 8/			930	7.9	--	57	18	3	170	--	311	0	21	107	1.3	--	475	--	--
JY-65-29-813	Fresno Fire Department	86-07-18	CHCT	65 - 75	774	7.0	22.5	--	--	--	--	--	343	0	--	80	--	--	--	--	--
JY-65-29-814	Pastuch	86-07-16	CHCT	382 - 402	788	8.0	23.5	--	--	--	--	--	402	0	--	48	--	--	--	--	--
JY-65-29-815	Pastuch	86-07-16	CHCT	65	569	7.4	21.5	--	--	--	--	--	406	0	--	18	--	--	--	--	--
JY-65-33-111	Edwin Stasney	86-07-28	CHCT	100	909	7.5	24.5	--	--	--	--	--	524	0	--	28	--	--	--	--	--
JY-65-33-209	Hudson Products Co.	70-08-27 3/	EVGL	900 - 1,045	475	8.0	--	50	27	6	70	--	232	0	14	28	--	16	280	120 5/	--
		75-12-29			480	--	--	91	25	7	90	--	226	0	7	70	.6	--	--	--	--
		79-01-08			600	8.0	--	77	25	4	99	--	216	0	16	70	.3	--	--	--	--
		81-08-07 8/			--	8.5	--	87	26	5	68	--	215	0	17	26	.3	--	--	--	--
JY-65-33-304	City of Beasley	72-11-06	EVGL	808 - 950	604	7.6	--	75	22	5	106	--	237	0	12	68	.25	--	--	--	--
		81-10-19			--	8.4	--	78	20	7	99	--	207	0	15	68	.3	--	--	--	--
		84-06-11			--	8.2	--	68	24	2	99	--	222	0	16	64	.3	--	--	--	--
		87-03-20			572	--	--	--	--	--	--	--	--	--	--	62	--	--	--	--	--
JY-65-33-405	Kendleton-Prude Water Supply	86-07-30	CHCT	512 - 566	442	7.7	25.5	--	--	--	--	--	215	0	--	28	--	--	--	--	--
JY-65-33-406	Elizabeth Dillard	86-07-29	CHCT	100	1,030	7.3	24.0	290	84	19	110	2.2	426	0	28	120	.40	27	600	--	--
JY-65-33-511	Jack Wendt	86-07-28	CHCT	97	995	7.3	22.5	--	--	--	--	--	436	0	--	--	--	--	--	--	--
JY-65-33-611	T. W. Sod, Ltd.	86-07-29	CHCT	108 - 168	827	7.4	23.0	260	79	15	81	2.0	416	0	8.5	66	.30	22	480	--	--

See footnotes at end of table.

Table 6.--Chemical analyses of water from wells in Fort Bend County, 1969-87--Continued

Well	Owner	Date of sample	Water-bearing unit	Depth or producing interval (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Hardness (mg/L as $CaCO_3$)	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)	Fluoride, dissolved (mg/L)	Silica, dissolved (mg/L)	Solids, dissolved, sum of constituents (mg/L)	Iron, dissolved (µg/L)	Manganese, dissolved (µg/L)
JY-65-33-801	Jack Wendt	86-07-28	CHCT	564	861	7.3	22.5	--	--	--	--	--	394	0	--	87	--	--	--	--	--
JY-65-33-907	D. F. G. Farms	86-07-29	CHCT	145 - 195	938	7.2	22.5	310	86	23	90	2.5	465	0	18	82	0.40	25	550	--	--
JY-65-34-612	Jerom E. Rainosek	86-07-30	CHCT	100	1,100	7.2	24.0	310	80	26	120	1.8	482	0	19	130	.60	23	640	--	--
JY-65-34-701	City of Needville	87-02-01	CHCT	307 - 417	739	--	--	--	--	--	--	--	--	--	--	100	--	--	--	--	--
JY-65-34-714	Tom Bosse	86-08-01	CHCT	70 - 171	1,100	7.1	22.5	--	--	--	--	--	418	0	--	160	--	--	--	--	--
JY-65-34-812	Terry Webb	86-08-01	CHCT	115	923	7.4	23.5	--	--	--	--	--	--	--	--	73	--	--	--	--	--
JY-65-35-201	A.P. George Est.	84-07-01 8/	EVGL	735 - 803	516	8.3	--	139	45	7	52	--	249	--	15	22	.4	--	--	--	--
JY-65-35-306	Houston Lighting and Power Co., Well No. 4	75-10-27 3/	CHCT, EVGL	460 - 832	470	7.4	23.5	100	40	4	61	--	244	0	13	26	.30 4/	18	282	110 5/	30 6/
JY-65-35-307	Houston Lighting and Power Co., Well No. 6	79-06-15 3/	CHCT	400 - 835	478	7.5	--	100	45	7	51	--	251	0	12	24	.40 4/	22	285	90 5/	60 6/
JY-65-36-508	W. P. Sweringen	87-02-12	CHCT	380	475	--	--	--	--	--	--	--	--	--	--	18	--	--	--	--	--
JY-65-37-103	Daniel Bly	86-07-18	CHCT	94	1,320	7.2	22.5	--	--	--	--	--	405	0	--	240	--	--	--	--	--
JY-65-42-206	Danklefs and Wendt	87-08-05	CHCT, EVGL	184 - 1,082	636	--	--	--	--	--	--	--	--	--	--	63	--	--	--	--	--
JY-65-42-207	J. Moore	87-08-05	CHCT, EVGL	295 - 1,105	640	--	--	--	--	--	--	--	--	--	--	57	--	--	--	--	--
JY-65-42-308	C. A. Danklefs	87-08-06	CHCT, EVGL	343 - 1,180	1,220	--	--	--	--	--	--	--	--	--	--	190	--	--	--	--	--
JY-65-42-310	Johnnie M. Mikel	86-08-05	CHCT	100	654	7.2	22.0	240	71	16	45	1.3	294	0	5.1	63	.50	22	370	--	--
JY-65-43-201	W. Gless and Beard	86-07-24	CHCT, EVGL	297 - 1,158	712	7.6	25.0	--	--	--	--	--	315	0	--	73	--	--	--	--	--
JY-65-43-204	Louis T. Nawara	86-08-08	CHCT	75 - 85	1,160	7.1	23.5	280	83	18	140	1.7	493	0	8.8	140	.30	22	650	--	--
JY-65-43-205	Robert H. Beard	86-08-08	CHCT	45 - 55	774	7.3	22.0	300	87	19	60	.80	432	0	5.1	58	.40	23	460	--	--
JY-65-43-207	Robert Nawara	86-08-08	CHCT	94	1,100	7.2	24.0	--	--	--	--	--	513	0	--	110	--	--	--	--	--
JY-65-43-208	Fresh Herbs of Houston	86-08-08	CHCT	100 - 120	1,030	7.3	29.5	--	--	--	--	--	457	0	--	110	--	--	--	--	--

See footnotes at end of table.

Table 6.--Chemical analyses of water from wells in Fort Bend County, 1969-87--Continued

Well	Owner	Date of sample	Water-bearing unit	Depth or producing interval (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Hardness (mg/L as $CaCO_3$)	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)	Fluoride, dissolved (mg/L)	Silica, dissolved (mg/L)	Solids, dissolved, sum of constituents (mg/L)	Iron, dissolved (µg/L)	Manganese, dissolved (µg/L)
JY-65-43-303	J. Herdman	86-08-06	CHCT	120	1,100	7.1	23.5	310	89	22	120	1.8	495	0	11	120	0.40	21	630	--	--
JY-65-43-304	J. Herdman	86-08-06	CHCT	100	1,080	7.4	22.0	--	--	--	--	--	530	0	--	87	--	--	--	--	--
JY-65-43-305	Robert H. Beard	86-08-08	CHCT	90	976	7.2	24.5	--	--	--	--	--	543	0	--	52	--	--	--	--	--
JY-65-43-612	Albert McConnel	86-08-07	CHCT	80	1,190	7.4	23.0	300	74	28	150	1.5	484	0	16	170	.60	21	700	--	--
JY-65-43-613	A. R. Petkus	86-08-07	CHCT	90	3,800	7.0	24.0	980	210	110	380	4.7	426	0	34	1,100	.50	22	2,100	--	--
JY-65-43-614	Albert McConnel	86-08-07	CHCT	53 - 63	1,080	7.4	25.1	--	--	--	--	--	522	0	--	85	--	--	--	--	--
JY-65-44-207	L. M. Rubly	86-08-04	CHCT	290 - 300	558	7.8	23.5	120	33	9.0	83	1.1	297	0	.7	39	.50	17	330	--	--
JY-66-24-609	R. R. McKinley	86-08-22	EVGL	337 - 343	365	8.0	23.0	--	--	--	--	--	163	0	--	--	--	--	--	--	--
JY-66-32-301	A. Novak	86-08-27	CHCT	80 - 85	654	7.3	22.5	230	77	8.6	51	1.2	296	0	14	60	.20	28	380	--	--
JY-66-32-602	L. M. Townely	86-08-27	CHCT	125 - 135	731	7.4	23.5	--	--	--	--	--	292	--	--	90	--	--	--	--	--
JY-66-32-806	Lee Hillmann	86-08-27	CHCT	136	692	7.2	22.5	320	100	16	31	1.0	369	0	9.1	44	.30	30	410	--	--
JY-66-32-913	W. Graves, Jr.	86-08-27	CHCT	92 - 100	904	7.4	22.5	--	--	--	--	--	440	--	--	87	--	--	--	--	--
JY-66-40-202	J. F. Hitchcock	86-07-25	CHCT	97 - 157	654	7.3	22.5	--	--	--	--	--	290	0	--	61	--	--	--	--	--
JY-66-40-307	Bay Ridge Christian College	81-10-09 8/	CHCT	179 - 324	--	8.1	--	250	80	12	43	--	293	0	12	58	.3	--	353	--	--
		86-07-25			639	7.8	23.0	240	79	11	42	1.9	296	0	12	57	.40	29	380	--	--
JY-66-40-313	Marjorie M. Adams	86-07-25	CHCT	150	665	7.5	23.0	--	--	--	--	--	302	0	--	77	--	--	--	--	--

1/ Analyzed by Pope Testing Laboratories.
2/ Analyzed by Curtis Laboratories.
3/ Analyzed by Edna Wood Laboratories, Inc.
4/ Total fluoride.
5/ Total iron.
6/ Total manganese.
7/ Analyzed by Microbiology Service Laboratories.
8/ Analyzed by Texas Department of Health Resources Laboratories.
9/ Analyzed by Waste and Industrial Waste Laboratories, Inc.
10/ Analyzed by City of Houston, Water-Quality Control Branch.

Table 7.--Statistical summary of the concentrations of major dissolved ions, and the values of specific conductance, hardness, and sodium-adsorption ratio

[μS/cm, microsiemens per centimeter at 25 °Celsius; mg/L, milligrams per liter]

Aquifer	Specific conductance (μS/cm)	Hardness (mg/L CaCO3)	Calcium (mg/L)	Magnesium (mg/L)	Sodium adsorption ratio	Sodium + potassium (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Solids, dissolved (mg/L)
Upper unit of the Chicot										
Number of analyses	99	133	114	113	65	95	184	151	186	144
Smallest value	534.0	22.0	5.0	6.1	0.5	13.0	160.0	2.0	12.0	264.0
Largest value	1,470.0	580.0	156.0	66.0	20.7	224.0	698.0	80.0	250.0	882.0
Mean	901.2	271.6	78.2	22.9	2.45	81.7	398.7	16.9	79.7	496.4
Median	880.0	258.0	78.0	21.0	2.0	80.0	403.0	10.0	71.5	475.0
Standard deviation	99.0	108.3	29.9	10.7	2.6	36.0	101.3	15.8	43.8	131.1
Lower unit of the Chicot										
Number of analyses	107	98	70	70	61	49	109	94	119	62
Smallest value	365.0	56.0	15.0	3.1	0.7	23.0	132.0	0.7	21.5	220.0
Largest value	1,360.0	330.0	106.0	37.0	9.0	194.0	475.0	60.0	230.0	650.0
Mean	651.2	178.6	60.9	11.2	2.0	69.5	268.0	12.7	65.2	377.2
Median	608.0	181.9	62.5	10.0	1.4	56.4	266.0	12.0	58.0	337.0
Standard deviation	365.0	64.9	21.1	5.7	1.6	43.2	65.9	8.8	40.4	101.7
Evangeline										
Number of analyses	42	35	34	34	22	27	40	35	44	32
Smallest value	441.0	11.0	3.5	0.5	1.4	37.0	124.0	0.8	23.0	270.0
Largest value	1,090.0	240.0	54.0	11.0	31.8	247.0	342.0	19.0	173.0	682.0
Mean	580.9	110.0	31.9	5.6	5.8	84.7	244.2	11.6	57.9	345.2
Median	519.0	105.0	32.0	5.3	4.2	70.0	243.0	13.0	45.5	307.0
Standard deviation	441.0	49.6	13.6	2.2	6.4	43.4	38.4	5.3	36.3	94.0

NOTE: Table includes data presented by Wesselman (1972, table 7).

*U.S.GOVERNMENT PRINTING OFFICE:1990-762-594