

**RECORDS OF WELLS, DRILLERS' LOGS, WATER-LEVEL
MEASUREMENTS, AND CHEMICAL ANALYSES OF
GROUND WATER IN BRAZORIA, FORT BEND,
AND WALLER COUNTIES, TEXAS, 1985-89**

By Glenn L. Locke

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CONVERSION FACTORS

Multiply	By	To obtain
inch	25.4	millimeter
foot	0.3048	meter
gallon per minute (gal/min)	0.06308	liter per second
	0.003785	cubic meter per minute

**RECORDS OF WELLS, DRILLERS' LOGS, WATER-LEVEL MEASUREMENTS, AND
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ABSTRACT

Data for water wells and ground water in Brazoria, Fort Bend, and Waller Counties were collected during 1985-89 by the U.S. Geological Survey. This report presents a compilation of records for 32 wells in Brazoria County, 19 wells in Fort Bend County, and 16 wells in Waller County. Drillers' logs for 65 wells, water levels for 85 wells, chemical analyses of water for 9 wells, and water levels and chemical analyses of water from previously inventoried wells also are presented in this report.

INTRODUCTION

Hydrologic data from Brazoria, Fort Bend, and Waller Counties (fig. 1) are collected by the U.S. Geological Survey in cooperation with the Harris-Galveston Coastal Subsidence District and the city of Houston to help monitor the development of the ground-water resources in the Houston-Galveston region. The data-collection program consists of conducting inventories of wells, measuring water levels in observation wells, and analyzing water from selected wells to describe the chemical quality of the ground water. Data collected are published at 5-year intervals.

Records of wells, drillers' logs, water-level measurements, and chemical analyses of water for 1985-89 are given in tables 1-12, at the end of this report. The water-level measurements and chemical analyses are from the newly inventoried wells or from wells previously inventoried. Description of the geology and hydrology of the area and hydrologic data collected before 1985 were published in reports listed in the "Selected References" section of this report. The location of wells is shown in plates 1-3.

Data for 67 newly inventoried wells--32 wells in Brazoria County, 19 wells in Fort Bend County, and 16 wells in Waller County--were collected during 1985-89. Drillers' logs for 65 of the 67 wells are included in the tabulations.

Water-level measurements were made in 85 wells--27 wells in Brazoria County, 47 wells in Fort Bend County, and 11 wells in Waller County.

This report also presents the chemical analyses of water from nine wells. Chemical analyses of water from five of these wells were made by private laboratories. Chemical analyses of water from four wells in Fort Bend County were made by the Geological Survey.

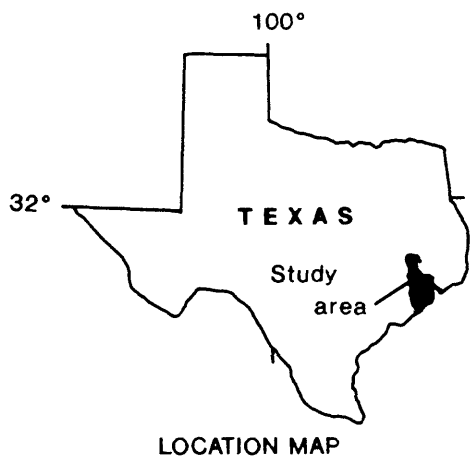
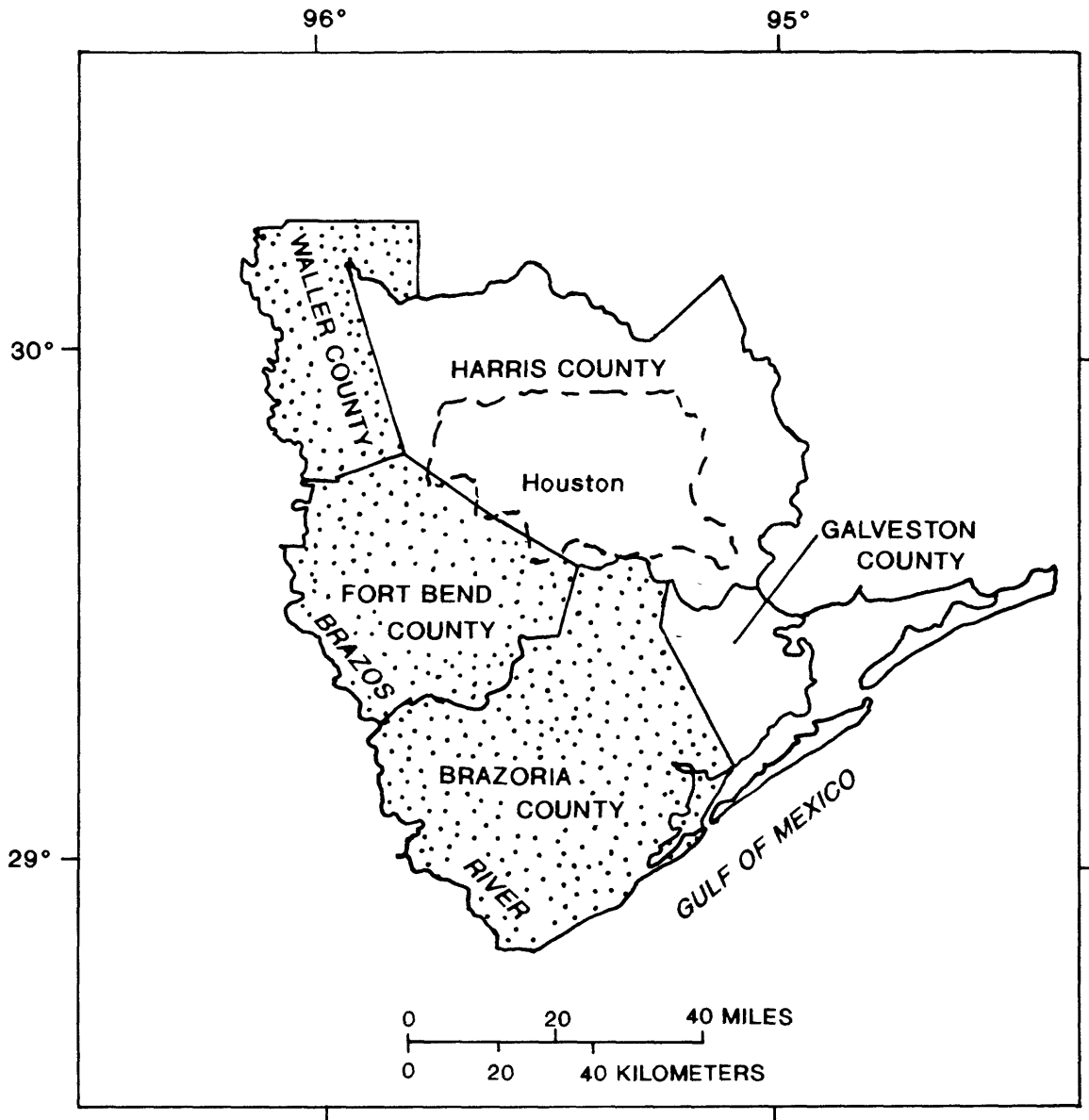


Figure 1.--Location of Brazoria, Fort Bend, and Waller Counties.

WELL-NUMBERING SYSTEM

The well-numbering system used in this report was devised by the Texas Department of Water Resources for use throughout the State. Under this system, each 1-degree quadrangle is given a number consisting of two digits. These are the first two digits in the well number. Each 1-degree quadrangle is divided into 7-1/2-minute quadrangles that are given two-digit numbers 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 that are given a single-digit number 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 the well was inventoried, starting with 01. These are the last two digits of the well number.

On the well-location maps (plates 1-3), only the last three digits of the well number are shown at each well location; the second digits are shown in the northwest corner of each 7-1/2-minute quadrangle; and the first two digits are shown by large block numerals 59, 60, 65, 66, and 81.

In addition to the seven-digit well number, a two-digit prefix is used to identify the county. The prefix for Brazoria County is BH; for Fort Bend County, JY; and for Waller County, YW.

SELECTED REFERENCES

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- Williams, J.F., III, Ranzau, C.E., Lind, W.B., and Coplin, L.S., 1987, Records of wells, drillers' logs, water-level measurements, and chemical analyses of ground water in Brazoria, Fort Bend, and Waller Counties, Texas, 1980- 84: Texas Water Development Board Report 303, 53 p.
- Wilson, C.A., 1967, Ground-water resources of Austin and Waller Counties, Texas: Texas Water Development Board Report 68, 231 p.

Table 1.--Records of wells in Brazoria County

Owner : M.U.D., Municipal Utility District
 Water-bearing unit : CHCT, Chicot aquifer; EVGL, Evangeline aquifer
 Water level : Reported by driller
 Use of water : H, domestic; P, public supply; I, irrigation; U, unused.
 Type of data available: D, drillers' log (see table 2); W, water-level measurements (see table 3);
 Q, chemical analysis (see table 4)
 Symbol : --, no data

Well	Owner	Driller	Date completed	Depth of well (feet)	Dia- meter of well (inches)	Well screen Total length (feet)	Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level Below land surface measurement (feet)	Date of measurement	Use of water	Dis- charge of (gallons per minute)	Draw- down (feet)	Type of data available
BH-65-29-901	Buddy Chesser	Almeda Water Well Service	1987	407	5,3	15	392- 407	CHCT	66	142	05-28-87	H	100	--	D
BH-65-30-410	Brazoria County M.U.D. 5, Well No. 1	Layne-Western Co., Inc.	1981	1,010	16,10	216	625-1,000	EVGL, CHCT	59	244	05-28-81	P	1,281	68	D
BH-65-30-532	Steve Davis	Almeda Water Well Service	1987	300	5,3	10	290- 300	CHCT	54	169	07-29-87	H	60	--	D
BH-65-30-911	Treetop Mobile Home Park	O'Day Drilling Co., Inc.	1983	585	6,4	42	543- 585	CHCT	45	160	06-06-83	P	150	--	D
BH-65-38-405	Herman Booth	Almeda Water Well Service	1987	418	5,3	15	403- 418	CHCT	46	80	10-15-87	H	100	--	D
BH-65-44-506	Water for the Future	Almeda Water Well Service	1986	318	5,2	10	308- 318	CHCT	48	60	09-22-86	P	200	--	D
BH-65-45-204	Schlumberger Perforating and Testing Center, Well No. 2	Busnell and Son, Inc.	1982	565	10,6	90	370- 565	CHCT	52	98	06-10-82	P	--	--	D
BH-65-45-205	U.S. Post Office, Rosharon	Almeda Water Well Service	1986	411	5,3	20	390- 410	CHCT	47	83	10-23-86	P	200	--	D
BH-65-46-904	Brookwood Recovery Center	Raymond Water Wells	1985	335	5,3	20	315- 335	CHCT	15	20	02-04-85	P	60	10	D
BH-65-51-403	King Farms	Crowell Drilling Co.	1984	735	14,12	447	288- 735	CHCT	47	--	--	I	--	--	D
BH-65-51-915	City of West Columbia, 17th Street Well	Layne-Texas Co.	1984	630	14,8	50	580- 630	CHCT	35	85	09-20-84	P	506	33	D, Q
BH-65-52-501	Brazoria County Parks	O'Day Drilling Co., Inc.	1987	419	5,2	20	399- 419	CHCT	36	50	05-14-87	P	140	--	D
BH-65-52-607	Brazco Development, Planter's Point Lake	Felder Water Well and Pump Service	1986	140	6	14	124- 138	CHCT	35	25	02-27-86	I	300	--	D

Table 1.--Records of wells in Brazoria County--Continued

Well	Owner	Driller	Date completed (year)	Depth of well (feet)	Diameter of well (inches)	Total length (feet)	Well screen interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Below land surface (feet)	Water level Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
BH-65-52-807	Bar-X Ranch, Well No. 1	Felder Water Well and Pump Service	1986	150	6	30	114-150	CHCT	24	20	05-08-86	I	400	--	D
BH-65-52-808	Bar-X Ranch, Well No. 2	Felder Water Well and Pump Service	1986	150	6	30	114-150	CHCT	24	20	05-12-86	I	400	--	D
BH-65-52-809	Bar-X Ranch, Well No. 3	Felder Water Well and Pump Service	1986	152	6	23	111-152	CHCT	24	--	--	I	--	--	D
BH-65-53-513	City of Angleton, Well No. 11	Layne-Texas Co.	1985	819	14,8	80	739-819	CHCT	29	120	05-02-85	P	802	67	D, Q
BH-65-53-514	Intermedics	O'Day Drilling Co., Inc.	1984	199	6,4	10	189-199	CHCT	32	20	10-01-84	P	150	--	D
BH-65-53-705	Phillip Harrison	Felder Water Well and Pump Service	1986	237	6	20	213-233	CHCT	27	34	03-11-86	I	300	--	D
BH-65-54-410	C.D. Blanchard	Walker Water Well Service, Inc.	1987	245	5,3	7	238-245	CHCT	14	10	05-12-87	P	100	--	D
BH-65-59-205	Bill Christian	Raymond Water Wells	1984	140	5,3	20	100-120	CHCT	31	20	02-10-84	P	90	20	D
BH-65-59-206	Hanson Riverside County Park	Water for the Future	1987	474	5,2	20	454-474	CHCT	16	42	11-14-87	P	--	--	D
BH-65-60-302	Bar-X Ranch	Raymond Water Wells	1984	215	5,3	20	195-215	CHCT	24	20	02-15-84	I	50	20	D
BH-65-60-404	Knights of Columbus	Goolsby Water Well Service	1986	425	5,2	10	402-412	CHCT	28	79	05-20-86	P	120	--	D
BH-65-60-512	City of Brazoria, Well No. 3	B.J. Swinehart Co., Inc.	1986	448	10,5	41	396-437	CHCT	24	77	10-30-86	P	302	73	D
BH-65-61-811	City of Lake Jackson, Well No. 15	H and H Water Well Drilling	1984	332	20,12	50	282-332	CHCT	8	98	09-26-84	P	500	52	D
BH-65-61-812	City of Lake Jackson, Well No. 16	H and H Water Well Drilling	1984	338	20,12	30	302-332	CHCT	12	131	09-26-84	P	470	56	D
BH-65-61-919	City of Clute, Well No. 1	B.J. Swinehart Co., Inc.	1984	212	20,8	37	172-209	CHCT	12	64	02-85	P	396	50	D
BH-65-61-920	City of Clute	B.J. Swinehart Co., Inc.	1983	234	10,8	25	200-225	CHCT	20	63	06-07-83	U	375	35	D
BH-65-61-921	City of Clute, Well No. 3	B.J. Swinehart Co., Inc.	1986	224	10,8	24	199-223	CHCT	12	72	03-30-86	P	300	53	D

Table 1.--Records of wells in Brazoria County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Diameter of well (inches)	Well screen Total length (feet)	Depth interval (feet)	Water-bearing unit	Altitude of land surface (feet)	Water level Below land surface (feet)	Date of measurement	Use of water	Discharge (gallons per minute)	Drawdown (feet)	Type of data available
BH-65-62-111	Ralph Schuman	O'Day Drilling Co., Inc.	1985	110	6,4	20	90-110	CHCT	7	70	07-12-85	H	30	--	D
BH-81-06-214	City of Oyster Creek	B.J. Swinehart Co., Inc.	1980	232	4,2	20	211-231	CHCT	5	80	01-	U	75	25	D,W

Table 2.--Drillers' logs of wells in Brazoria County

Owner : M.U.D., Municipal Utility District
 Symbol: --, Lithology is less than 1 foot in thickness

Well BH-65-29-901
 Owner: Buddy Chesser
 Driller: Almeda Water Well Service

Description	Thick-ness (feet)	Depth (feet)
Soil	3	3
Clay	12	15
Sand	22	37
Clay	23	60
Sand and clay streaks	10	70
Clay	87	157
Sand	24	181
Clay	103	284
Sand	3	287
Clay	36	323
Sand	2	325
Clay	21	346
Sand	3	349
Clay	41	390
Sand, white	17	407
Clay	--	407

Well BH-65-30-410--Continued

Clay	10	225
Sand	6	231
Clay	25	256
Sand	4	260
Clay	30	290
Sand	16	306
Clay	11	317
Sand	59	376
Clay	20	396
Sand	11	407
Clay	6	413
Sand	4	417
Clay	58	475
Sand	13	488
Clay	48	536
Sand	23	559
Clay	5	564
Sand	15	579
Clay	5	584
Sand	20	604

Well BH-65-30-410
 Owner: Brazoria County M.U.D. 5,
 Well No. 1
 Driller: Layne-Western Co., Inc.

Description	Thick-ness (feet)	Depth (feet)
Surface clay	36	36
Sand	16	52
Clay	34	86
Sand	53	139
Clay	9	148
Sand	39	187
Clay	12	199
Sand	9	208
Clay	3	211
Sand	4	215

Clay	12	616
Sand	46	662
Clay	6	668
Sand	26	694
Clay	12	706
Sand	9	715
Clay	8	723
Sand	31	754
Clay	19	773
Sand	38	811
Clay	18	829
Sand	21	850
Clay	5	855
Sand	12	867

Table 2.--Drillers' logs of wells in Brazoria County--Continued

Well BH-65-30-410--Continued

Clay	32	899
Sand	12	911
Clay	8	919
Sand	9	928
Clay	15	943
Sand	58	1,001
Shale	12	1,013
Sand	15	1,028
Shale	22	1,050
Sand	12	1,062
Clay	11	1,073
Sand	17	1,090
Clay	10	1,100

Well BH-65-30-532
 Owner: Steve Davis
 Driller: Almeda Water Well Service

Description	Thick-ness (feet)	Depth (feet)
Soil	2	2
Clay, red	26	28
Sand, tan	29	57
Clay, red	40	97
Sand, white	33	130
Clay, red	20	150
Sand, tan	5	155
Clay, red	47	202
Sand, tan	22	224
Clay, red	54	278
Sand, white	22	300

Well BH-65-30-911
 Owner: Treetop Mobile Home Park
 Driller: O'Day Drilling Co., Inc.

Description	Thick-ness (feet)	Depth (feet)
Topsoil	3	3
Clay	193	196

Well BH-65-30-911--Continued

Sand	23	219
Clay	20	239
Sand	9	248
Clay	47	295
Sand	17	312
Clay	93	405
Sand	26	431
Clay	6	437
Sand	17	454
Clay	18	472
Sand	113	585

Well BH-65-38-405
 Owner: Herman Booth
 Driller: Almeda Water Well Service

Description	Thick-ness (feet)	Depth (feet)
Soil	3	3
Clay, white	15	18
Sand, tan	32	50
Clay, red	79	129
Sand, white	69	198
Clay, red	35	233
Sand, white	13	246
Clay, blue	5	251
Sand, white	11	262
Clay, red	131	393
Sand, gray	25	418
Clay, red	--	418

Well BH-65-44-506
 Owner: Water for the Future
 Driller: Almeda Water Well Service

Description	Thick-ness (feet)	Depth (feet)
Soil	3	3
Clay, red	33	36
Sand, gray	59	95

Table 2.--Drillers' logs of wells in Brazoria County--Continued

Well BH-65-44-506--Continued

Clay, gray	15	110
Sand, gray and gravel	18	128
Clay, red	18	146
Sand, gray and gravel	32	178
Clay, white	74	252
Sand, tan	16	268
Clay, gray	26	294
Sand, salt and pepper	24	318
Clay		

Well BH-65-45-204

Owner: Schlumberger Perforating and Testing Center,
Well No. 2
Driller: Bussell and Son, Inc.

Description	Thick-ness (feet)	Depth (feet)
Clay, black	15	15
Sand, surface	25	40
Sand	327	367
Sand	33	400
Clay	21	421
Clay, slightly sandy	24	445
Sand	30	475
Clay	55	530
Sand	35	565

Well BH-65-45-205

Owner: U.S. Post Office, Rosharon
Driller: Alameda Water Well Service

Description	Thick-ness (feet)	Depth (feet)
Fill and soil	3	3
Clay, white to red	112	115
Sand, white	13	128
Clay, red	166	294
Sand, white	2	296
Clay, blue	14	310
Sand, white	4	314

Well BH-65-45-205--Continued

Clay, red	58	372
Sand, salt and pepper	39	411

Clay

Well BH-65-46-904

Owner: Brookwood Recovery Center
Driller: Raymond Water Wells

Description	Thick-ness (feet)	Depth (feet)
Clay, orange	20	20
Clay, orange	20	40
Clay, gray	20	60
Clay, orange-	20	80
Sand, fine	20	100
Clay	20	120
Clay, gray	20	140
Clay, blue	20	160
Clay, red and blue; sand	20	180
Clay, red and blue	20	200
Clay, red	20	220
Clay, red	20	240
Clay, red	20	260
Clay, red, soft	20	280
Clay	15	295
Sand	10	305
Clay	5	310
Sand	10	320
Sand	15	335

Well BH-65-51-403

Owner: King Farms
Driller: Crowell Drilling Co.

Description	Thick-ness (feet)	Depth (feet)
Clay	81	81
Sand	32	113
Shale	26	139
Sand	7	146

Table 2.--Drillers' logs of wells in Brazoria County--Continued

Well BH-65-51-403--Continued			Well BH-65-51-915 Owner: City of West Columbia, 17th Street Well Driller: Layne-Texas Co.		
			Description	Thick- ness (feet)	Depth (feet)
Shale	22	168			
Sand	8	176			
Shale	29	205			
Sand	7	212	Topsoil	2	2
Shale	33	245	Sandy clay, red and white	5	7
Sand	5	250	Sand, red	8	15
Shale	8	258	Clay, red and white	6	21
Sand	3	261	Sand, red	4	25
Shale	11	272	Clay, red and white	12	37
Sand and shale	15	287	Sandy shale, red	40	77
Shale	8	295	Shale	24	101
Sand	3	298	Sand	17	118
Shale	25	323	Clay	9	127
Sand	29	352	Sand	21	148
Shale	9	361	Shale	28	176
Sand	5	366	Sand	4	180
Shale	20	386	Shale	102	282
Sand	10	396	Sand with blue, fine shale streaks	23	305
Shale	27	423	Sand with coarse shale streaks	29	334
Sand, hard	28	451	Rock	1	335
Shale	20	471	Sand with coarse shale streaks	20	355
Sand, hard	16	487	Sand, gravel, oyster shell and shale streaks	38	393
Shale	10	497	Shale	9	402
Sand streaks	16	513	Sand with shale streaks	29	431
Sand, hard	35	548	Rock	1	432
Shale and hard	40	588	Sand with fine shale streaks	5	437
Sand	24	612	Rock	1	438
Shale	7	619	Sand with fine shale streaks	6	444
Sand	31	650	Shale	14	458
Shale and sand	28	678	Sand with fine shale streaks	56	514
Sand	57	735	Shale	14	528
Shale and sand	27	762	Sand	9	537
			Shale	4	541
			Sand and shale, (broken)	15	556

Table 2.--Drillers' logs of wells in Brazoria County--Continued

Well BH-65-51-915--Continued

Shale	10	566
Shale, sandy	4	570
Sand with fine shale streaks	32	602
Shale, sandy	8	610
Sand	21	631
Shale	12	643

Well BH-65-52-501

Owner: Brazoria County Parks
Driller: O'Day Drilling Co., Inc.

Description	Thick-ness (feet)	Depth (feet)
Topsoil	2	2
Clay	36	38
Sand	160	198
Sand and clay	22	220
Clay	160	380
Sand	39	419

Well BH-65-52-607

Owner: Brazco Development, Planter's Point Lake
Driller: Felder Water Well and Pump Service

Description	Thick-ness (feet)	Depth (feet)
Clay	65	65
Sand	35	100
Clay	22	122
Sand	15	137
Clay	6	143

Well BH-65-52-807

Owner: Bar-X Ranch, Well No. 1
Driller: Felder Water Well and Pump Service

Description	Thick-ness (feet)	Depth (feet)
Clay	72	72
Sand	7	79
Clay	34	113
Sand	18	131

Well BH-65-52-807--Continued

Clay	7	138
Sand	14	152
Clay	11	163

Well BH-65-52-808

Owner: Bar-X Ranch, Well No. 2
Driller: Felder Water Well and Pump Service

Description	Thick-ness (feet)	Depth (feet)
Clay	24	24
Sand, red	22	46
Clay	67	113
Sand	19	132
Clay	6	138
Sandstone	2	140
Sand	15	155
Clay	8	163

Well BH-65-52-809

Owner: Bar-X Ranch, Well No. 3
Driller: Felder Water Well and Pump Service

Description	Thick-ness (feet)	Depth (feet)
Clay	26	26
Sand, red	21	47
Clay	64	111
Sand	13	124
Clay	16	140
Sand	12	152
Clay	11	163

Well BH-65-53-513

Owner: City of Angleton, Well No. 11
Driller: Layne-Texas Co.

Description	Thick-ness (feet)	Depth (feet)
Topsoil	2	2
Sandy clay, white and red	5	7
Fine sand, red	33	40

Table 2.--Drillers' logs of wells in Brazoria County--Continued

Well BH-65-53-513--Continued

Sand, white	17	57
Clay	9	66
Sand, white	17	83
Clay and sand	30	113
Sand, gray	34	147
Sand	31	178
Sand with shale streaks	56	234
Clay	9	243
Sand with shale layers	19	262
Sand with shale streaks	25	287
Sand with shale layers	36	323
Shale and sand	8	331
Sand	25	356
Shale	4	360
Sand and shale	38	398
Sand	11	409
Shale	34	443
Sand	5	448
Shale and lime	29	477
Sand	3	480
Shale	19	499
Sand and shale	15	514
Shale	3	517
Sand	6	523
Shale, sandy shale and shale layers	61	584
Sand with shale streaks (very fine)	24	608
Sand with shale streaks (cut good)	33	641
Sand and sandy shale (broken)	80	721
Sand and shale streaks	10	731
Sand	20	751
Shale, sandy	10	761
Sand	23	784
Shale	12	796
Sand	20	816
Sand and shale (cut good)	32	848

Well BH-65-53-513--Continued

Shale	31	879
Sand	21	900
Shale	13	913

Well BH-65-53-514
Owner: Intermedics
Driller: O'Day Drilling Co., Inc.

Description	Thick-ness (feet)	Depth (feet)
Topsoil	3	3
Clay	13	16
Sand	18	34
Clay	24	58
Sand	30	88
Clay	44	132
Sand	16	148
Clay	34	182
Sand	24	206

Well BH-65-53-705
Owner: Phillip Harrison
Driller: Felder Water Well and Pump Service

Description	Thick-ness (feet)	Depth (feet)
Clay	35	35
Sand, red	8	43
Clay	47	90
Sand	28	118
Clay with sandstone	22	140
Sand	15	155
Clay	56	211
Sand	10	221
Sand	13	234
Clay	9	243

Table 2.--Drillers' logs of wells in Brazoria County--Continued

Well BH-65-54-410

Owner: C.D. Blanchard

Driller: Walker Water Well Service, Inc.

Description	Thick-ness (feet)	Depth (feet)
Top soil	4	4
Clay	13	17
Clay, red, sandy	9	26
Clay	45	71
Sand, brown	56	127
Clay, sandy	5	132
Clay	51	183
Sand, tan	15	198
Clay	38	236
Sand, tan	29	265

Well BH-65-59-205

Owner: Bill Christian

Driller: Raymond Water Wells

Description	Thick-ness (feet)	Depth (feet)
Clay, red	20	20
Clay, red	20	40
Clay, red	15	55
Sand	10	65
Clay, red and white	15	80
Clay, red and white	12	92
Sand	28	120
Unrecorded	20	140

Well BH-65-59-206

Owner: Hanson Riverside County Park

Driller: Water for the Future

Description	Thick-ness (feet)	Depth (feet)
Surface clay	16	16
Sand, gray, medium	19	35
Clay, gray	38	73
Sand, medium	35	108
Clay, red	18	126

Well BH-65-59-206--Continued

Shale and clay	12	138
Clay	90	328
Sand, fine, strip	5	333
Shale and clay	2	335
Sand, fine, hard	7	342
Clay	108	450
Sand, medium, coarse	24	474

Well BH-65-60-302

Owner: Bar-X Ranch

Driller: Raymond Water Wells

Description	Thick-ness (feet)	Depth (feet)
Clay, red	20	20
Clay, red	20	20
Clay, red-gray	20	60
Clay, red-gray	10	70
Sand	10	80
Sand	14	94
Clay, red	6	100
Sand	10	110
Clay, red	10	120
Clay, red	8	128
Sand and small gravel	12	140
Sand	10	150
Clay	9	159
Sand	8	167
Clay, red-blue	13	180
Clay, red-blue	15	195
Sand	5	200
Sand	15	215

Table 2.--Drillers' logs of wells in Brazoria County--Continued

Well BH-65-60-404
 Owner: Knights Of Columbus
 Driller: Goolsby Water Well Service

Description	Thick-ness (feet)	Depth (feet)
Top soil	3	3
Clay, sandy, red	5	8
Clay, red	27	35
Sand, fine, red	5	40
Clay, red	80	120
Sand and gravel	35	155
Shale	40	195
Sand, sticky	10	205
Shale	73	278
Sand	18	296
Shale	69	365
Sand, sticky	15	380
Shale	18	398
Sand, coarse, white	16	414
Shale	11	425

Well BH-65-60-512
 Owner: City of Brazoria, Well No. 3
 Driller: B.J. Swinehart Co., Inc.

Description	Thick-ness (feet)	Depth (feet)
Clay	15	15
Sand and gravel	64	79
Clay	36	115
Sand	5	120
Clay	53	173
Sand and Clay	17	190
Clay, sandy	45	235
Sand, fine, silty	5	240
Clay and sand streaks	156	396
Sand, good	42	438
Clay and sand	72	510

Well BH-65-61-811
 Owner: City of Lake Jackson, Well No. 15
 Driller: H and H Water Well Drilling

Description	Thick-ness (feet)	Depth (feet)
Clay	70	70
Sand	10	80
Clay	50	130
Clay, sandy	8	138
Shale	37	175
Sand	80	255
Clay	25	280
Sand	53	333
Clay	23	356

Well BH-65-61-812
 Owner: City of Lake Jackson, Well No. 16
 Driller: H and H Water Well Drilling

Description	Thick-ness (feet)	Depth (feet)
Clay	80	80
Sand	10	90
Clay and sand streaks	80	170
Sand	20	190
Clay, sandy	33	223
Sand	20	243
Clay	49	292
Sand	10	302
Sand	30	332
Clay	23	355

Well BH-65-61-919
 Owner: City of Clute, Well No. 1
 Driller: B.J. Swinehart Co., Inc.

Description	Thick-ness (feet)	Depth (feet)
Clay	31	31
Clay with sand streaks	135	166
Sand	43	209
Clay	26	235

Table 2.--Drillers' logs of wells in Brazoria County--Continued

Well BH-65-61-920
 Owner: City of Clute
 Driller: B.J. Swinehart Co., Inc.

Description	Thick- ness (feet)	Depth (feet)
Clay	130	130
Sand, red	15	145
Clay, red and blue	58	203
Sand, coarse	27	230
Clay	5	235
Sand, fine, blue	3	238
Clay	1	239

Well BH-65-61-921
 Owner: City of Clute, Well No. 3
 Driller: B.J. Swinehart Co., Inc.

Description	Thick- ness (feet)	Depth (feet)
Clay	127	127
Sand	22	149
Clay	49	198
Sand, coarse	28	226
Clay	1	227

Well BH-65-62-111
 Owner: Ralph Schuman
 Driller: O'Day Drilling Co., Inc.

Description	Thick- ness (feet)	Depth (feet)
Top soil	3	3
Clay	26	29
Sand	16	45
Clay	43	88
Sand	22	110

Well BH-81-06-214
 Owner: City of Oyster Creek
 Driller: B.J. Swinehart Co., Inc.

Description	Thick- ness (feet)	Depth (feet)
Surface soil and clay	7	7
Sand	43	50
Clay	12	62
Sand	18	80
Clay	48	128
Sand	12	140
Clay	69	209
Sand, coarse	23	232

Table 3.--Water levels in wells in Brazoria County

Screen : Top and bottom of screened interval below land surface
 Altitude : Altitude of land surface above sea level
 Depth : Depth of well
 Water level: Feet below land surface

Well BH-65-30-601
 Owner: C.H. Alexander
 Screen: 350-1,300 feet
 Altitude: 51 feet

Date	Water level
01-11-85	197.72
01-31-86	198.45
01-08-87	199.89
01-15-88	201.14
01-23-89	201.51

Well BH-65-30-902
 Owner: Amoco Co.
 Depth: 591 feet
 Altitude: 45 feet

Date	Water level
01-15-85	195.64
11-19-85	192.67
01-31-86	193.90
01-08-87	195.25
01-15-88	196.63
01-23-89	196.05

Well BH-65-38-201
 Owner: J.W. McCabe
 Screen: 440-480 feet
 Altitude: 56 feet

Date	Water level
01-15-85	121.47
01-31-86	107.62
01-08-87	107.49
01-15-88	107.96

Well BH-65-45-102
 Owner: Otto Senior Club
 Screen: 297-916 feet
 Altitude: 50 feet

Date	Water level
01-16-85	84.92
11-20-85	86.71
04-30-86	83.27
03-18-87	80.92

Well BH-65-45-501
 Owner: N.E. Selstad
 Screen: 242-1,164 feet
 Altitude: 41 feet

Date	Water level
01-16-85	85.92
11-20-85	86.45
04-30-86	83.71
03-18-87	83.26
03-30-89	59.88

Well BH-65-46-301
 Owner: Exxon Co.
 Screen: 441-473 feet
 Altitude: 30 feet

Date	Water level
01-05-85	68.36
09-12-85	68.87
01-31-86	68.05
01-15-88	68.74

Well BH-65-46-610
 Owner: Kelso Building
 Materials Co.
 Depth: 350 feet
 Altitude: 15 feet

Date	Water level
09-12-85	74.02
01-31-86	74.24
01-08-87	74.88
01-15-88	74.62

Well BH-65-46-702
 Owner: Exxon Co.
 Screen: 491-514 feet
 Altitude: 26 feet

Date	Water level
01-15-85	38.04
09-12-85	42.16
01-31-86	43.99
01-15-88	40.70

Well BH-65-47-401
 Owner: Phillips
 Petroleum Co.
 Depth: 400 feet
 Altitude: 23 feet

Date	Water level
01-15-85	80.45
01-30-87	77.16
01-15-88	96.45

Well BH-65-50-504
 Owner: Exxon Co.
 Screen: 438-473 feet
 Altitude: 54 feet

Date	Water level
01-16-85	39.50
04-28-86	37.40
03-18-87	36.21

Well BH-65-50-505
 Owner: Exxon Co.
 Screen: 379-399 feet
 Altitude: 53 feet

Date	Water level
01-16-85	38.98
11-19-85	38.40
04-28-86	37.21
03-18-87	37.06

Well BH-65-51-901
 Owner: City of West
 Columbia,
 Well No. 1
 Screen: 540-650 feet
 Altitude: 34 feet

Date	Water level
01-16-85	65.40
11-18-85	66.73
04-30-86	63.54
03-18-87	63.16

Well BH-65-53-504
 Owner: Exxon Co.
 Screen: 785-807 feet
 Altitude: 33 feet

Date	Water level
01-16-85	93.32
11-20-85	91.28
04-30-86	92.34
03-18-87	91.66
03-30-89	119.88

Well BH-65-54-101
 Owner: City of Danbury,
 Well No. 1
 Screen: 267-298 feet
 Altitude: 23 feet

Date	Water level
09-12-85	33.45
04-28-86	34.30

Well BH-65-54-403
 Owner: Tigner Brothers
 Screen: 173-322 feet
 Altitude: 15 feet

Date	Water level
01-15-85	8.07
09-12-85	12.60
04-28-86	9.37
03-30-89	7.39

Table 3.--Water Levels in wells in Brazoria County--Continued

Well BH-65-54-407
 Owner: J.M. Skrabenek
 Screen: 499-870 feet
 Altitude: 14 feet

Date	Water level
01-15-85	63.88
09-12-85	65.95
04-28-86	62.41
03-30-89	61.65

Well BH-65-59-406
 Owner: Phillips
 Petroleum Co.
 Screen: 137-177 feet
 Altitude: 36 feet

Date	Water level
01-16-85	24.60
11-25-85	22.71
04-28-86	23.91
03-18-87	23.67

Well BH-65-59-413
 Owner: Phillips
 Petroleum Co.,
 Well No. 6-B
 Screen: 104-150 feet
 Altitude: 36 feet

Date	Water level
01-16-85	23.69
11-19-85	24.77
09-28-86	23.07
03-18-87	23.00

Well BH-65-59-414
 Owner: Phillips
 Petroleum Co.,
 Well No. 6-A
 Depth: 167 feet
 Altitude: 36 feet

Date	Water level
01-16-85	15.11
11-19-85	14.63
04-28-86	14.81
03-18-87	14.79

Well BH-65-59-501
 Owner: Amoco Co.
 Depth: 150 feet
 Altitude: 23 feet

Date	Water level
01-16-85	9.20
11-18-85	9.07
04-28-86	8.28

Well BH-65-59-803
 Owner: City of Sweeny,
 Well No. 1
 Screen: 150-185 feet
 Altitude: 34 feet

Date	Water level
01-16-85	51.02
11-18-85	52.47
04-30-86	51.81

Well BH-81-04-202
 Owner: Holiday Shores
 Screen: 468-505 feet
 Altitude: 13 feet

Date	Water level
01-16-85	38.74
09-12-85	42.62
04-29-86	40.63

Well BH-81-05-320
 Owner: City of Freeport,
 Well No. 12
 Screen: 150-180 feet
 Altitude: 5 feet

Date	Water level
01-15-85	44.65
11-19-85	45.18
04-29-86	44.07
03-31-89	40.88

Well BH-81-06-214
 Owner: City Of Oyster Creek
 Screen: 211-231 feet
 Altitude: 5 feet

Date	Water level
03-31-89	72.06

Well BH-81-06-405
 Owner: City of Freeport,
 Well No. 8
 Screen: 205-245 feet
 Altitude: 5 feet

Date	Water level
01-15-85	78.24
11-19-85	80.77

Well BH-81-06-406
 Owner: City of Freeport,
 Well No. 6
 Screen: 214-234 feet
 Altitude: 5 feet

Date	Water level
01-15-85	82.52
11-19-85	83.70
04-29-86	82.25
03-31-89	85.22

Well BH-81-06-408
 Owner: Dow Chemical Co.,
 Well No. TW-76
 Screen: 196-219 feet
 Altitude: 7 feet

Date	Water level
01-15-85	78.10
11-19-85	81.23
04-29-86	79.40
03-31-89	85.72

Table 4.--Chemical analyses of water from wells in Brazoria County

Water-bearing unit: CHCT, Chicot aquifer
 Solids, dissolved : Calculated from unrounded concentrations; see footnote 1
 Units : ft, feet; μ S/cm, microsiemens per centimeter at 25 degrees Celsius; $^{\circ}$ C, degrees Celsius;
 mg/L, milligrams per liter; μ g/L, micrograms per liter
 Symbol : --, no data

Well	Owner	Date of sample	Water-bearing unit	Depth or producing interval (ft)	pH	Temperature ($^{\circ}$ C)	Hardness (mg/L as CaCO ₃)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Alkalinity (mg/L as CaCO ₃)	Sulfate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Silica (mg/L)	Solids, dissolved (mg/L)	Iron, dissolved (mg/L)	Manganese, dissolved (mg/L)
BH-65-51-915	City of West Columbia, 17th Street Well	09-21-84 1/	CHCT	580-630	7.9	--	94	26	7	190	--	234	1	190	0.4	13	560	40	30
										2/					3/		4/	5/	6/
BH-65-53-513	City of Angleton, Well No. 11	05-13-85 1/	CHCT	739-819	8.0	--	32	9	2.3	190	--	299	3	140	0.7	14	540	140	20
										2/					3/		4/	5/	6/

1/ Analyzed by Edna Wood Laboratories, Inc.
 2/ Sodium plus potassium, calculated.
 3/ Total fluoride.
 4/ Dissolved solids equals sum of calcium + magnesium + sodium + potassium + (0.6 X alkalinity) + sulfate + chloride + fluoride + silica.
 5/ Total iron.
 6/ Total manganese.

Table 5. ---Records of wells in Fort Bend County

Well	Owner	Driller	Date completed	Depth of well (feet)	Dia- meter of well (inches)	Well screen Total length (feet)	Water- bearing unit	Altitude of land surface (feet)	Water level Below land surface (feet)	Date of measurement	Use of water	Dis- charge (gallons per minute)	Draw- down (feet) available	Type	
JY-65-18-305	Via Ranch, Well No. 1	Layne-Texas Co.	1986	621	20,18	263	290- 621	CHCT, EVGL	102	130	06-26-86	P	1,816	83	--
JY-65-18-806	Heritage Ranch	Mahler Water Well Service, Inc.	1988	330	5,3	15	315- 330	CHCT	113	100	10-14-88	I	125	5	D
JY-65-18-906	Rancho Jardin de La Palmas	Almeda Water Well Service	1981	272	6,4	15	247- 262	CHCT	89	65	10-20-81	U	250	--	D
JY-65-18-907	Sam Tate	Mahler Water Well Service, Inc.	1987	415	5,2	20	395- 415	CHCT	90	120	05-14-87	H	50	--	D
JY-65-18-908	Sam Tate	Mahler Water Well Service, Inc.	1987	270	5,3	20	250- 270	CHCT	90	80	10-08-87	H	110	10	D
JY-65-19-104	Cinco Ranch M.U.D., Well No. 1	Layne-Texas Co.	1987	800	24,18,14	202	435- 800	EVGL, CHCT	106	149	02-16-87	P	1,507	86	D, Q
JY-65-19-515	Mission Bend Church of Christ	Geophysical Drilling Inc.	1986	236	5,2	10	226- 236	CHCT	96	120	07-19-86	P	70	7	D
JY-65-26-518	TDS Foundry Corp.	Mahler Water Well Service, Inc.	1987	270	5,3	20	250- 270	CHCT	106	82	07-17-87	N	100	12	D
JY-65-26-814	Horseshoe Bend, Mobile Home Park	4-H Water Well Drilling and Service	1987	232	6,4	25	202- 232	CHCT	89	65	08-05-87	P	80	--	D
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	08-19-85	N	1,507	73	D, E, Q, W
JY-65-27-325	Lake Venice Home Owners Association	Layne-Western Co., Inc.	1988	72	30,16	34	38- 72	CHCT	75	13	06-21-88	I	909	30	D
JY-65-28-905	Vincent Palmer	Almeda Water Well Service	1986	255	5,3	10	245- 255	CHCT	72	87	12-05-87	H	150	--	D
JY-65-29-709	Chemline Corp.	Layne-Texas Co.	1984	524	8,6	32	492- 524	CHCT	64	102	05-30-84	N	250	148	D
JY-65-33-210	City of Beasley	O'Day Drilling Co., Inc.	1988	975	7,4	95	855- 965	EVGL	106	107	05-17-88	P	200	86	D
JY-65-34-105	Louis Herron	Mahler Water Well Service, Inc.	1988	270	5,3	15	255- 270	CHCT	92	52	10-10-88	H	115	2	D

Owner : M.U.D., Municipal Utility District
 Water-bearing unit : CHCT, Chicot aquifer; EVGL, Evangeline aquifer
 Water level : Reported by driller
 Use of water : P, public supply; I, irrigation; U, unused; H, domestic; N, industrial
 Type of data available : D, Drillers' log (see table 6); W, water-level measurements (see table 7);
 Q, chemical analysis (see table 8); E, electric log (on file at the U.S. Geological Survey, Houston)
 Symbol : --, no data

Table 5.--Records of wells in Fort Bend County--Continued

Well	Owner	Driller	Date completed	Depth of well (feet)	Dia- meter of well (inches)	Well screen Total length (feet)	Depth interval (feet)	Water- bearing unit	Altitude of land surface (feet)	Water level Below land measurement (feet)	Date of measurement	Use of water	Dis- charge (gallons per minute)	Draw- down (feet)	Type of data available
JY-65-34-715	City of Needville	O'Day Drilling Co., Inc.	1987	430	10,6	81	311-420	CHCT	91	81	09-19-87	P	542	64	D
JY-65-34-716	Art Klawitter	Guttenberger Water Well Service	1985	130	6,4	20	110-130	CHCT	92	38	08-14-85	H	--	--	D
JY-65-34-717	Art Klawitter	Guttenberger Water Well Service	1985	140	6,4	20	120-140	CHCT	92	38	08-13-85	H	--	--	D
JY-65-43-306	Brazos Bend Cafe	O'Day Drilling Co., Inc.	1988	159	5,2	20	139-159	CHCT	69	30	07-22-88	P	--	--	D

Table 6.--Drillers' logs of wells in Fort Bend County

Owner : M.U.D., Municipal Utility District
 Symbol: --, Lithology is less than 1 foot in thickness

Well JY-65-18-806
 Owner: Heritage Ranch
 Driller: Mahler Water Well Service, Inc.

Description	Thick-ness (feet)	Depth (feet)
Topsoil	5	5
Clay, yellow	5	10
Shale, white	18	28
Sand	10	38
Shale, red	22	60
Sand and gravel	25	85
Shale, red	10	95
Shale, white	15	110
Shale, red	10	120
Sand and gravel	25	145
Shale, white	5	150
Sand	5	155
Shale, white	15	170
Sand-shale mix	10	180
Sand and gravel	35	215
Shale, white	20	235
Sand and gravel	17	252
Shale, white	23	275
Sand	13	288
Shale, white and rocks	17	305
Sand, coarse	25	330
Shale	--	330

Well JY-65-18-906
 Owner: Rancho Jardin de la Palmas
 Driller: Almeda Water Well Service

Description	Thick-ness (feet)	Depth (feet)
Soil	3	3
Sand, broken	11	14
Clay, red	22	36
Sand, (salt and pepper) and gravel	37	73
Rock	--	73
Clay, white	3	76
Sand, salt and pepper	14	90

Well JY-65-18-906--Continued

Clay, white	9	99
Sand, tan	9	108
Rocks and sand	10	118
Sand, tan	3	121
Clay, white	21	142
Sand, salt and pepper	26	168
Clay, yellow	21	189
Sand, salt and pepper	23	212
Shale	38	250
Sand (salt and pepper) and gravel	12	262
Shale	10	272

Well JY-65-18-907
 Owner: Sam Tate
 Driller: Mahler Water Well Service, Inc.

Description	Thick-ness (feet)	Depth (feet)
Topsoil	8	8
Silt, red	4	12
Shale, red	23	35
Sand	25	60
Gravel	10	70
Shale, white	45	115
Sand	10	125
Shale, red	10	135
Shale, white	15	150
Sand	30	180
Sand and shale mix	10	190
Shale, white	20	210
Sand	60	270
Shale, white	20	290
Sand	14	304
Shale, red	36	340
Sand	10	350
Shale, white	10	360
Sand and shale mix	25	385
Sand	30	415

Table 6.--Drillers' logs of wells in Fort Bend County--Continued

Well JY-65-18-908

Owner: Sam Tate

Driller: Mahler Water Well Service, Inc.

Description	Thick- ness (feet)	Depth (feet)
Topsoil	5	5
Clay, red	15	20
Silt, red	15	35
Sand	25	60
Gravel	15	75
Shale, white	20	95
Shale, red	25	120
Sand	5	125
Shale, red	20	145
Sand	20	165
Shale, white	10	175
Sand	15	190
Shale, white	30	220
Sand	10	230
Shale, white	15	245
Sand	25	270
Shale		

Well JY-65-19-104

Owner: Cinco Ranch M.U.D.,

Well No. 1

Driller: Layne-Texas Co.

Description	Thick- ness (feet)	Depth (feet)
Topsoil	2	2
Clay, white and yellow	13	15
Clay with sandy clay	2	17
Sand	13	30
Clay with sandy clay	2	32
Clay	5	37
Clay with sandy clay streaks	7	44
Clay	21	65
Clay with sandy clay streaks	6	71
Sand and sandy	19	90
Shale	8	98
Clay	8	106

Well JY-65-19-104--Continued

Sandy clay streaks	29	135
Clay, sandy clay and sand	4	139
Clay with sandy clay streaks	6	145
Clay	5	150
Sandy clay streaks and broken sand	27	177
Sand and clay	8	185
Clay with sand streaks	10	195
Clay with sandy clay streaks	5	200
Sand, few clay and gravel streaks	17	217
Hard streaks, sand and gravel streaks	33	250
Gravel and sand	5	255
Clay	10	265
Clay with sandy clay	2	267
Sand with clay streaks	4	271
Sand	14	285
Lime	1	286
Sand with gravel streaks	10	296
Clay and lime	3	299
Sand	2	301
Lime, with sand streaks	8	309
Sand	54	363
Sand and lime streaks	5	368
Sand	28	396
Clay	3	399
Sand	9	408
Lime	2	410
Sand	4	414
Clay	8	422
Clay and sand streaks	13	435
Sand	9	444
Clay, sandy and sand streaks	24	468
Sand and shale streaks	28	496
Lime	2	498
Sand	29	527
Shale	28	555
Shale, sandy	4	559
Sand	19	578

Table 6.--Drillers' logs of wells in Fort Bend County--Continued

Well JY-65-19-104--Continued

Shale	7	585
Sand	5	590
Shale	25	615
Sand with lime streaks	67	682
Shale, sandy	12	694
Sandy	20	714
Shale, sandy	17	731
Sand and sandy shale	69	800
Shale	80	880
Clay	34	914
Sand, fine and clay lime streaks	46	960
Clay	38	998
Clay with sandy clay streaks	4	1,002
Sand, fine, clay sand and broken clay	44	1,046
Clay	17	1,063
Clay with sandy clay streaks	3	1,066
Lime, clay and sandy clay	3	1,069
Clay	61	1,130
Clay with lime streaks	23	1,153
Clay, sandy clay and lime streaks	6	1,159
Sand with clay streaks	12	1,171
Clay	12	1,183
Clay, with lime streaks and sandy clay streaks	10	1,193
Lime	2	1,195
Sand	8	1,203
Shale	26	1,229
Lime	1	1,230
Shale	14	1,244
Shale with a few lime streaks	70	1,314
Shale, sand streaks and lime	69	1,383
Sand and sandy shale	13	1,396
Shale and broken sand	12	1,408
Sand, clay and broken lime streaks	18	1,426
Clay, sandy clay and lime streaks	6	1,432
Clay	31	1,463
Lime streaks, clay and sandy clay	11	1,474
Clay	36	1,510

Well JY-65-19-515

Owner: Mission Bend Church of Christ
Driller: Geophysical Drilling Inc.

Description	Thick-ness (feet)	Depth (feet)
Sand with clay	20	20
Sand with clay	20	40
Sand	20	60
Sand with clay	20	80
Sand with clay	20	100
Clay with sand	20	120
Clay	20	140
Clay	20	160
Clay	20	180
Clay	20	200
Clay	20	220
Sand	16	236

Well JY-65-26-518

Owner: TDS Foundry Corp.
Driller: Mahler Water Well Service, Inc.

Description	Thick-ness (feet)	Depth (feet)
Topsoil	5	5
Clay, red	10	15
Shale, white	10	25
Shale, red	10	35
Sand and gravel mix	50	85
Shale, red	15	100
Shale, gray	10	110
Sand	40	150
Shale, gray	20	170
Sand	20	190
Shale, white	10	200
Sand	15	215
Shale, white	20	235
Shale, white and sand mix	10	245
Sand and gravel	25	270
Shale	--	270

Table 6.--Drillers' logs of wells in Fort Bend County--Continued

Well JY-65-26-814
 Owner: Horseshoe Bend, Mobile Home Park
 Driller: 4-H Water Well Drilling and Service

Description	Thick-ness (feet)	Depth (feet)
Topsoil gumbo	12	12
Clay, red	9	21
Sand, white	66	87
Clay, red and white	23	110
Clay, white	13	123
Sand	7	130
Clay, red and brown	71	201
Sand and gravel	32	233

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

Description	Thick-ness (feet)	Depth (feet)
Topsoil	2	2
Clay	5	7
Sand and gravel	75	82
Clay	17	99
Sand and gravel	23	122
Clay	7	129
Sand	53	182
Clay	14	196
Sand and gravel	16	212
Clay and white rock	48	260
Sand and clay streaks	78	338
Clay and few sand streaks	24	362
Sand and lime streaks	32	394
Shale	29	423
Shale, sandy and lime streaks	28	451
Shale	11	462
Sand	47	509
Shale, sandy	15	524
Sand	27	551
Sand and clay	17	568
Sand	34	602
Sand and shale	15	617

Well JY-65-27-324--Continued

Sand	14	631
Sand and shale streaks	16	647
Sand	15	662
Shale and sand streaks	23	685
Sand and few shale streaks	88	773
Sand and shale streaks	43	816
Shale and sand streaks	49	865
Shale with few lime streaks	36	901
Shale and sand streaks	51	952
Shale	22	974
Sand	12	986
Shale	14	1,000
Sand and shale streaks	20	1,020
Shale	71	1,091
Sand	11	1,102
Shale	47	1,149

Well JY-65-27-325
 Owner: Lake Venice Home Owners Association
 Driller: Layne-Western Co., Inc.

Description	Thick-ness (feet)	Depth (feet)
Fill dirt	5	5
Clay, brown	10	15
Clay, gray	15	30
Sand and clay	10	40
Sand	20	60
Wood chuncks	5	65
Sand and gravel	35	100
Sand and clay	5	105
Sand and gravel	35	140
Clay, brown	30	170
Clay, brown with gravel	10	180
Clay, brown and gray	15	195
Clay, gray	5	200

Table 6.--Drillers' logs of wells in Fort Bend County--Continued

Well JY-65-28-905
 Owner: Vincent Palmer
 Driller: Almeda Water Well Service

Description	Thick-ness (feet)	Depth (feet)
Soil	3	3
Clay	12	15
Sand and gravel	60	75
Clay	20	95
Sand	10	105
Clay	105	210
Sand	4	214
Clay	12	226
Sand	29	255
Clay	--	255

Well JY-65-29-709
 Owner: Chemline Corp.
 Driller: Layne-Texas Co.

Description	Thick-ness (feet)	Depth (feet)
Clay	14	14
Sand	63	77
Clay	60	137
Sand	5	142
Clay	3	145
Sand	4	149
Clay	12	161
Sand	2	163
Clay	81	244
Sand	4	248
Clay	2	250
Sand	2	252
Clay	18	270
Sand	4	274
Clay	10	284
Sand	10	294
Clay	31	325
Sand	11	336
Clay	29	365
Sand	6	371

Well JY-65-29-709--Continued

Clay	59	430
Sand	4	434
Clay	36	470
Sand	2	472
Clay	4	476
Sand	3	479
Clay	12	491
Sand	32	523
Clay	17	540

Well JY-65-33-210
 Owner: City of Beasley
 Driller: O'Day Drilling Co., Inc.

Description	Thick-ness (feet)	Depth (feet)
Topsoil	3	3
Clay	17	20
Sand	7	27
Clay	23	50
Sand	30	80
Clay	30	110
Sand	97	207
Clay	53	260
Sand	30	290
Clay	62	352
Sand	21	373
Clay	12	385
Sand	10	395
Clay	7	402
Sand	26	428
Clay	22	450
Sand	44	494
Clay	56	550
Sand	33	583
Clay	34	617
Sand	54	671
Clay	119	790
Sand	45	835
Clay	20	855

Table 6.--Drillers' logs of wells in Fort Bend County--Continued

Well JY-65-33-210--Continued

Sand	25	880
Clay	6	886
Sand	16	902
Clay	9	911
Sand	54	965
Clay	10	975

Well JY-65-34-105

Owner: Louis Herron

Driller: Mahler Water Well Service, Inc.

Description	Thick-ness (feet)	Depth (feet)
Topsoil	7	7
Clay, red	48	55
Sand and gravel	45	100
Shale, red	15	115
Sand and small gravel	30	145
Shale, red	19	164
Shale, white and rocks	16	180
Sand and gravel	10	190
Sand and shale mix	10	200
Sand and gravel	20	220
Sand, coarse	25	245
Shale, blue	5	250
Sand, coarse and gravel	20	270
Shale	--	270

Well JY-65-34-715

Owner: City of Needville

Driller: O'Day Drilling Co., Inc.

Description	Thick-ness (feet)	Depth (feet)
Clay	14	14
Sand	52	66
Clay	9	75
Sand	21	96
Clay	8	104
Sand	5	109
Clay	10	119
Sand	16	135
Clay	20	155

Well JY-65-34-715--Continued

Sand	29	184
Clay	58	242
Sand	27	269
Clay	17	286
Sand	48	334
Clay	27	361
Sand	59	420
Clay	10	430

Well JY-65-34-716

Owner: Art Klawitter

Driller: Guttenberger Water Well Service

Description	Thick-ness (feet)	Depth (feet)
Topsoil	2	2
Clay, yellow	14	16
Sand, fine	16	32
Clay, red	73	105
Sand	25	130

Well JY-65-34-717

Owner: Art Klawitter

Driller: Guttenberger Water Well Service

Description	Thick-ness (feet)	Depth (feet)
Topsoil	2	2
Clay, yellow	14	16
Sand, fine	16	32
Clay, red	73	105
Sand	35	140

Well JY-65-43-306

Owner: Brazos Bend Cafe

Driller: O'Day Drilling Co., Inc.

Description	Thick-ness (feet)	Depth (feet)
Topsoil	3	3
Clay	80	83
Sand	25	108
Clay	10	118
Sand	15	133
Clay	3	136
Sand	23	159

Table 7.--Water levels in wells in Fort Bend County

Owner : M.U.D., Municipal Utility District; U.D., Utility District
 Screen : Top and bottom of screened interval below land surface
 Altitude : Altitude of land surface above sea level
 Depth : Depth of well
 Water level: Feet below land surface

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

Date	Water level
02-06-87	113.65
01-15-88	115.12
01-03-89	115.93

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

Date	Water level
01-11-85	120.51
01-07-86	121.65
01-07-87	120.02
01-15-88	117.64

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

Date	Water level
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
01-03-89	115.49

Well JY-65-10-811
 Owner: Ft. Bend County
 M.U.D. 37
 Screen: 570-1,012 feet
 Altitude: 129 feet

Date	Water level
03-21-86	170.07
02-06-87	179.44
01-27-89	195.07

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

Date	Water level
01-09-85	153.34
01-07-86	152.02
03-11-86	156.30
01-07-87	156.74
02-06-87	153.60
01-27-89	195.07

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

Date	Water level
01-23-85	105.23
01-28-86	104.65
01-08-87	104.02
01-03-89	109

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

Date	Water level
01-21-85	79.19
09-18-85	88.17
02-03-86	83.56
02-24-87	77.15

Well JY-65-17-407
 Owner: A.A. Tondre
 Screen: 618-638 feet
 Altitude: 115 feet

Date	Water level
01-19-88	77.97
01-03-89	85.99

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

Date	Water level
01-22-85	118.50
01-07-87	118.12
02-25-87	114.62
01-19-88	114.51
01-03-89	120.06

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

Date	Water level
01-22-85	91.24
01-28-86	89.05
01-08-87	88.63
01-19-88	94.87
01-03-89	92.18

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

Date	Water level
01-23-85	108.38
01-28-86	106.94
01-08-87	105.89
01-20-88	115.78
01-03-89	118.08

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

Date	Water level
01-23-85	96.44
02-06-87	100.21
01-19-88	101.63
01-27-89	99.47

Well JY-65-18-609
 Owner: Fort Bend County
 M.U.D. 34
 Screen: 658-1,090 feet
 Altitude: 112 feet

Date	Water level
03-05-86	187.00
03-03-87	179.56
02-01-88	181.38
01-27-89	192.29

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

Date	Water level
01-23-85	96.41
01-28-86	94.99
02-18-86	112.51
01-07-87	94.58

Table 7.--Water Levels in wells in Fort Bend County--Continued

Well JY-65-19-704--Continued

02-06-87 102.47
01-20-88 103.93
01-03-89 107.20

Well JY-65-25-203

Owner: Duval Sulphur
and Potash Co.,
Well No. 46
Screen: 151-276 feet
Altitude: 115 feet

Date	Water level
01-21-85	47.88
02-12-86	44.98
02-16-87	46.62
01-06-89	51.85

Well JY-65-25-301

Owner: R.E. Smith
Screen: 91-432 feet
Altitude: 111 feet

Date	Water level
01-21-85	52.07
09-18-85	61.38
02-03-86	57.56
02-17-87	58.15
01-20-88	50.83
01-06-89	53.57

Well JY-65-27-302

Owner: Ft. Bend Utilities,
Well No. 8
Screen: 1,260-1,560 feet
Altitude: 80 feet
(Measurements reported by
owner)

Date	Water level
08-20-85	292
01-15-86	292
12-30-86	282
01-04-89	280
01-03-89	282

Well JY-65-27-303

Owner: Ft. Bend Utilities,
Well No. 9
Screen: 503-865 feet
Altitude: 80 feet
(Measurements reported by
owner)

Date	Water level
01-10-85	198
08-20-85	213
01-15-86	203
12-30-86	203
01-04-88	210
01-03-89	208

Well JY-65-27-313

Owner: Ft. Bend
Utilities,
Well No. 7
Screen: 501-721 feet
Altitude: 77 feet
(Measurements reported by
owner)

Date	Water level
01-10-85	199
08-20-85	211
01-15-86	204
12-30-86	203
01-04-88	205
01-03-89	209

Well JY-65-27-324

Owner: Ft. Bend
Utilities,
Well No. 10
Screen: 660-1,010 feet
Altitude: 81 feet
(Measurements reported by
owner)

Date	Water level
01-15-86	230
12-30-86	240
01-04-88	224
01-03-89	200

Well JY-65-28-309

Owner: City of Houston,
Chasewood, Well
No. 1
Screen: 770-1,020 feet
Altitude: 70 feet

Date	Water level
01-31-84	243.18
01-28-85	241.94
01-27-86	245.16
01-07-87	246.57
01-04-88	244.88
01-12-89	250.62

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
01-15-85	320.20
01-27-86	323.65
01-07-87	325.02
01-11-88	336.5
01-12-89	379.73

Well JY-65-28-313

Owner: Ft. Bend County
M.U.D. 26
Screen: 800-1,180 feet
Altitude: 80 feet

Date	Water level
01-28-85	271.95
01-27-86	272.88
03-06-86	285.67
01-07-87	276.72
02-11-87	271.50
01-29-88	282.60
04-07-88	278
02-09-89	288.86

Well JY-65-28-508

Owner: Quail Valley
U.D., Well No. 2
Screen: 752-1,300 feet
Altitude: 70 feet

Date	Water level
01-28-85	230.79
02-14-86	237.40
03-06-86	249.43
02-11-87	238.00
01-29-88	239.70
04-11-88	240
02-09-89	241.52

Well JY-65-28-803

Owner: Christianson and
Matthews
Depth: 420 feet
Altitude: 60 feet

Date	Water level
01-29-87	90.08

Well JY-65-29-104

Owner: City of Houston,
Mayfair Park
Screen: 735-895 feet
Altitude: 65 feet

Date	Water level
01- -87	298
01-21-88	265.73
01-12-89	281

Well JY-65-29-107

Owner: City of Houston,
Chasewood, Well No. 2
Screen: 750-1,205 feet
Altitude: 70 feet

Date	Water level
03-25-86	315.20
01-28-87	288.84
01-12-89	320.5

Table 7.--Water levels in wells in Fort Bend County--Continued

Well JY-65-29-109
 Owner: City of Houston,
 Ridgmont, Well No. 2
 Screen: 650-1,204 feet
 Altitude: 66 feet

Date	Water level
03-25-86	293.50
01-12-89	319

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
01-21-88	253.47
01-04-89	258.6

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

Date	Water level
01-21-85	106
10-01-85	108.61
02-03-86	108.62

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

Date	Water level
01-21-85	46.20
11-14-85	47.40
01-14-86	45.83
03-20-87	45.55
01-20-88	46.06
01-06-89	47.18

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

Date	Water level
01-21-85	49.01
11-14-85	50
01-14-86	50.00
01-20-88	49.19
01-06-89	49.82

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

Date	Water level
01-21-85	47.96
11-14-85	53.37
01-14-86	47.50
02-18-87	47.70
01-20-88	47.79
01-06-89	48.83

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

Date	Water level
01-21-85	54.07
01-15-86	54.14
01-20-88	54.52
01-06-89	56.03

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

Date	Water level
01-21-85	51
11-14-85	50.46
01-14-86	51.69
03-20-87	45.03
01-20-89	46.06
01-06-89	46.81

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

Date	Water level
01-21-85	48.00
01-14-86	47.80
03-20-87	47.81
01-06-89	48.89

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

Date	Water level
01-21-85	77.39
09-18-85	79.52
01-16-86	64.18
02-18-87	63.06
01-20-88	63.35
01-27-89	69.13

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

Date	Water level
10-01-85	80.06
01-16-86	69.75
02-18-87	71.31
01-20-88	73.34
01-06-89	72.06

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

Date	Water level
01-21-85	39.21
09-18-85	42.52
01-16-86	39.56
01-20-88	40.83
01-27-89	42.65

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

Date	Water level
01-21-85	27.06
10-01-85	28.46
01-27-86	27.10
01-20-88	26.16

Well JY-65-35-102
 Owner: Gulf Oil Corp.
 Depth: 180 feet
 Altitude: 81 feet

Date	Water level
01-27-86	28.90
02-18-86	30.13
01-20-88	29.20
02-10-89	28.66

Well JY-65-35-302
 Owner: Houston Lighting
 and Power Co.,
 W.A. Parrish,
 Well No. 1
 Screen: 540-690 feet
 Altitude: 74 feet
 (Measurements reported by
 owner)

Date	Well level
01-11-85	130
02-08-85	132
03-15-85	133
04-26-85	130
05-17-85	127

Table 7.--Water levels in wells in Fort Bend County--Continued

Well JY-65-35-302--Continued

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
02-06-87	127
03-06-87	128
04-03-87	128
05-09-87	130
06-19-87	129
07-10-87	129
08-14-87	130
09-25-87	132
11-13-87	132
12-04-87	131
01-22-88	128
01-06-89	132

Well JY-65-35-303

Owner: Houston Lighting
and Power Co.,
W.A. Parrish,
Well No. 2
Screen: 457-790 feet
Altitude: 72 feet
(Measurements reported by
owner)

Date	Water level
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

Well JY-65-35-303--Continued

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
02-06-87	123
03-06-87	121
04-03-87	124
05-09-87	123
06-19-87	124
07-10-87	125
08-14-87	129
09-25-87	127
11-13-87	128
12-04-87	126
01-22-88	127
01-06-89	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
(Measurements reported by
owner)

Date	Water level
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

Well JY-65-35-304--Continued

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
02-06-87	116
03-06-87	114
04-03-87	113
05-09-87	116
06-19-87	117
07-10-87	115
08-14-87	117
09-25-87	124
11-13-87	118
12-04-87	113
01-22-88	117
01-06-89	118

Well JY-65-43-101

Owner: C.A. Danklefs
Screen: 275-1,195 feet
Altitude: 76 feet

Date	Water level
01-22-85	78.51
10-01-85	80.66
01-07-86	93.68
01-29-87	87.53
01-21-88	71.65
02-10-89	72.36

Well JY-65-43-602

Owner: Unknown
Depth: 482 feet
Altitude: 57 feet

Date	Water level
01-22-85	89.70
10-01-85	90.88
01-07-86	91.68

Table 8. --Chemical analyses of water from wells in Fort Bend County

Owner : M.U.D., Municipal Utility District
 Water-bearing unit: EVGL, Evangeline aquifer; CHCT, Chicot aquifer
 Solids, dissolved : Calculated from unrounded concentrations; see footnote 1
 Units : ft, feet; μ S/cm, microsiemens per centimeter at 25 degrees Celsius; $^{\circ}$ C, degrees Celsius;
 mg/L milligrams per liter; μ g/L, micrograms per liter
 Symbol : --, no data

Well	Owner	Date of sample	Water-bearing unit	Depth or producing interval (ft)	Specific conductance (μ S/cm)	pH	Temperature ($^{\circ}$ C)	Hardness as CaCO_3 (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Alkalinity as CaCO_3 (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)	Fluoride, dissolved (mg/L)	Silica, dissolved (mg/L)	Total dissolved solids (mg/L)	Iron, dissolved (μ g/L)	Manganese, dissolved (μ g/L)
JY-65-19-104	Cinco Ranch M.U.D., Well No. 1	02-19-87	EVGL	435-800	460	7.7	--	180	61	6	33	--	170	12	47	0.2	25	290	40	10
		2/	CHCT								3/					4/			5/	6/
JY-65-27-324	Ft. Bend Utilities, Well No. 10	08-20-85	EVGL	660-1,010	513	7.2	--	170	55	9	42	--	192	12	45	0.3	24	300	20	60
		2/									3/					4/			5/	6/
JY-65-28-309	City of Houston, Chasewood, Well No. 1	10-24-88	EVGL	770-1,020	560	7.9	26.0	--	--	--	--	--	--	--	38	--	--	--	--	--
		08-03-89			508	7.1	26.5	--	--	--	--	--	--	--	29	--	--	--	--	--
JY-65-28-311	City of Houston, Sims Bayou, Well No. 6	02-19-86	EVGL	656-1,182	508	7.2	26.0	150	45	9	53	2.5	219	11	37	0.3	27	310	--	25
		07-24-86			505	7.7	26.5	--	--	--	--	--	210	--	32	--	--	--	--	--
		10-24-88			519	7.8	25.5	--	--	--	--	--	--	--	34	--	--	--	--	--
		08-03-89			513	7.2	26.5	--	--	--	--	--	--	--	30	--	--	--	--	--
JY-65-29-104	City of Houston, Mayfair Park	02-19-86	EVGL	735-895	653	7.1	26.0	180	58	9.5	65	2.3	207	14	76	0.4	27	380	--	--
		08-19-86			615	7.5	26.0	--	--	--	--	--	210	--	60	--	--	--	--	--
		10-24-88			645	7.8	25.0	--	--	--	--	--	--	--	65	--	--	--	--	--
		08-03-89			622	7.2	27.0	--	--	--	--	--	--	--	59	--	--	--	--	--
JY-65-29-209	City of Houston, Ridgemon, Well No. 1	07-29-86	EVGL	766-1,035	639	7.8	26.5	--	--	--	--	--	213	--	66	--	--	--	--	--
		10-24-88			665	7.9	25.5	--	--	--	--	--	--	--	72	--	--	--	--	--
		08-03-89			709	7.0	27.0	--	--	--	--	--	--	--	85	--	--	--	--	--

1/ Dissolved solids equals sum of calcium + magnesium + sodium + potassium + (0.6 X alkalinity) + sulfate + fluoride + silica.
 2/ Analyzed by Edna Wood Laboratories, Inc.
 3/ Sodium plus potassium, calculated.
 4/ Total fluoride.
 5/ Total iron.
 6/ Total manganese.

Table 9.-- Records of wells in Waller County

Water-bearing unit : EVGL, Evangeline aquifer
 Water level : Reported by driller
 Use of water : P, public supply; H, domestic; I, irrigation; N, industrial; S, stock
 Type of data available : D, Drillers' log (see table 10); Q, Chemical analysis (see table 12)

Well	Owner	Driller	Date completed	Depth of well (feet)	Dia- meter of well (inches)	Well screen Total length (feet)	Depth interval (feet)	Water-bearing unit	Alti- tude of land surface (feet)	Water level Below Date of land measure- ment (feet)	Use of water	Dis- charge (gallons per minute)	Draw- down (feet)	Type of data available
YW-60-50-502	Oak Hollow Water System, Well No. 1	B. J. Swinehart Co., Inc.	1984	576	6,4	40	535-575	EVGL	278	180 04- -84	P	200	40	D
YW-60-50-503	Oak Hollow Water System, Well No. 2	B. J. Swinehart Co., Inc.	1984	576	6,4	40	535-575	EVGL	278	180 04- -84	P	200	40	--
YW-60-57-108	Prairie View A & M University, Well No. 6	Layne-Western Co., Inc.	1984	585	14,8	95	420-572	EVGL	265	192 11-12-84	P	600	81	D, Q
YW-60-57-509	City of Waller, Well No. 3	H and H Water Well Drilling	1985	538	14,10,8, 6	153	302-538	EVGL	240	120 01-18-85	P	659	145	D
YW-60-57-703	Ravago American Wells	Waller County Water Wells	1985	231	6,4	15	216-231	EVGL	247	110 12-17-85	H	--	--	D
YW-60-58-108	Tennwood Country Club	Waller County Water Wells	1985	312	6,4	30	282-312	EVGL	253	100 10-09-85	I	--	--	D
YW-60-58-109	Tennwood Country Club	Waller County Water Wells	1985	314	6,4	30	231-314	EVGL	253	90 02-20-85	I	75	5	D
YW-60-58-110	Tennwood Country Club	Waller County Water Wells	1985	314	6,4	30	284-314	EVGL	253	100 10-11-85	I	300	--	D
YW-60-58-111	Tennwood Country Club	Waller County Water Wells	1985	245	6,4	20	225-245	EVGL	234	80 05-23-85	P	160	35	D
YW-60-58-112	Tennwood Country Club	Waller County Water Well	1984	248	6,4	20	228-248	EVGL	234	65 02-15-84	I	60	40	D
YW-60-58-209	Tennwood Country Club	Waller County Water Wells	1985	319	6,4	30	289-319	EVGL	253	92 07-19-85	I	185	--	D
YW-65-09-105	Pattison Water Supply Corp.	Austin County Water Well Service, Inc.	1986	380	10,6	120	250-370	EVGL	171	101 04-01-86	P	200	140	D
YW-65-09-911	Interstate Pavers	Almeda Water Well Service	1987	300	6,4	30	251-281	EVGL	155	116 07-23-87	N	400	--	D
YW-66-16-305	Beacon Estates, C. B. Ward	Bussell and Son, Inc.	1984	370	6,4	30	340-370	EVGL	160	115 03-25-84	P	200	40	D
YW-66-16-402	Harrison Interests Ltd.	Austin County Water Well Service, Inc.	1985	240	6	30	210-240	EVGL	126	30 05-15-85	S	250	--	D
YW-66-24-301	Texas Specimen Trees	Austin County Water Well Service, Inc.	1985	140	6	40	100-140	EVGL	113	50 09-20-85	I	150	10	D

Table 10.-- Drillers' logs of wells in Waller County

Symbol: --, Lithology is less than 1 foot in thickness

Well YW-60-50-502

Owner: Oak Hollow Water System, Well No. 1
Driller: B.J. Swinehart Co., Inc.

Description	Thick-ness (feet)	Depth (feet)
Sand	4	4
Clay	23	27
Sand	15	42
Clay	33	75
Sand	31	106
Clay	16	122
Sand	29	151
Clay	9	160
Sand	50	210
Clay	55	265
Sand	42	307
Rock	2	309
Sand	36	345
Clay	40	385
Sand	15	400
Clay	7	407
Sand	50	457
Rock	2	459
Clay	4	463
Sand	16	479
Clay	45	524
Sand	51	575
Clay	1	576

Well YW-60-57-108

Owner: Prairie View A & M University, Well No. 6
Driller: Layne-Western Co., Inc.

Description	Thick-ness (feet)	Depth (feet)
Sand	3	3
Surface clay	19	22
Sand	13	35
Clay	22	57
Sand	30	87
Clay	42	129

Well YW-60-57-108--Continued

Sand	13	142
Clay	41	183
Sand	10	193
Clay	80	273
Sand	71	344
Clay	80	424
Sand	11	435
Shale	45	480
Sand	37	517
Shale	5	522
Sand	16	538
Shale	3	541
Sand	9	550
Sand	10	560
Shale	13	573
Unrecorded	--	585

Well YW-60-57-509

Owner: City of Waller, Well No. 3
Driller: H and H Water Well Drilling

Description	Thick-ness (feet)	Depth (feet)
Clay	31	31
Sand	11	42
Clay	63	105
Sand	15	120
Clay	20	140
Sand	68	208
Clay, sandy	64	272
Clay	20	292
Sand	28	320
Clay	4	324
Sand	28	352
Clay and sandy streaks	48	400
Sand	66	466
Clay	2	468
Sand	42	510

Table 10.-- Drillers' logs of wells in Waller County--Continued

Well YW-60-57-509--Continued

Clay	5	515
Sand	23	538
Clay and sandy streaks	71	609

Well YW-60-57-703

Owner: Ravago American
Driller: Waller County Water Wells

Description	Thick-ness (feet)	Depth (feet)
Unrecorded	1	1
Clay	24	25
Clay	51	76
Sand	12	88
Sand, red	20	108
Sand, brown	32	140
Clay	43	183
Sand	5	188
Clay	16	204
Sand, brown	27	231

Well YW-60-58-108

Owner: Tennwood Country Club
Driller: Waller County Water Wells

Description	Thick-ness (feet)	Depth (feet)
Clay, red	19	19
Sand, coarse and gravel	23	42
Clay, red	29	71
Sand, fine, silty	22	93
Clay, brown	52	145
Sand, white	33	178
Clay, brown	16	194
Sand, white	13	207
Shale	22	229
Sand, white	8	237
Clay, white	45	282
Sand, white	30	312

Well YW-60-58-109

Owner: Tennwood Country Club
Driller: Waller County Water Wells

Description	Thick-ness (feet)	Depth (feet)
Clay, red	18	18
Sand, white, silty	28	46
Clay, brown	44	90
Sand, white, coarse	23	113
Clay, brown	35	148
Sand, white	21	169
Limestone	4	173
Sand, white	12	185
Limestone	6	191
Sand, white	11	202
Clay, white	29	231
Sand, white	10	241
Clay, white	46	287
Sand, brown	27	314

Well YW-60-58-110

Owner: Tennwood Country Club
Driller: Waller County Water Wells

Description	Thick-ness (feet)	Depth (feet)
Unrecorded	1	1
Clay	22	23
Gravel	17	40
Clay	28	68
Sand	18	86
Clay, soft, gummy	54	140
Sand	62	202
Clay	78	280
Sand	34	314

Well YW-60-58-111

Owner: Tennwood Country Club
Driller: Waller County Water Wells

Description	Thick-ness (feet)	Depth (feet)
Clay, red	22	22
Sand, white	24	46
Clay, brown	31	77

Table 10.-- Drillers' logs of wells in Waller County--Continued

Well YW-60-58-111--Continued

Sand, white, coarse	14	91
Clay, brown	45	136
Sand, white	35	171
Clay, brown	16	187
Sand, white	16	203
Shale	19	222
Sand, white	23	245

Well YW-60-58-112

Owner: Tennwood Country Club
Driller: Waller County Water Wells

Description	Thick-ness (feet)	Depth (feet)
Clay, red	33	33
Sand, red	18	51
Clay, brown	36	87
Sand, brown	15	102
Clay, brown	52	154
Sand, brown	26	180
Shale	48	228
Sand, white	20	248

Well YW-60-58-209

Owner: Tennwood Country Club
Driller: Waller County Water Wells

Description	Thick-ness (feet)	Depth (feet)
Clay, red	26	26
Sand, red	19	45
Clay, red	28	73
Sand, fine	23	96
Clay, brown	58	154
Sand, white, coarse	27	181
Clay, brown	11	192
Sand, white	11	203
Shale	17	220
Sand, white	17	237
Clay, white	47	284
Sand, white	35	319

Well YW-65-09-105

Owner: Pattison Water Supply Corp.
Driller: Austin County Water Well Service, Inc.

Description	Thick-ness (feet)	Depth (feet)
Topsoil	3	3
Clay	14	17
Sand	17	34
Sand and pea gravel	18	52
Clay	22	74
Sand and pea gravel	20	94
Clay	100	194
Clay and pea gravel	20	214
Clay	32	246
Sand and sandstone	68	314
Clay	33	347
Sandstone	27	374
Limestone	26	400
Sand and sandstone	54	454
Sandstone	18	472
Clay	10	482

Well YW-65-09-911

Owner: Interstate Pavers
Driller: Almeda Water Well Service

Description	Thick-ness (feet)	Depth (feet)
Soil	4	4
Clay, brown	11	15
Sand, tan	15	30
Clay, white	15	45
Sand, tan	33	78
Clay, red	2	80
Gravel	29	109
Rock	9	118
Sand, tan	50	168
Sand, broken and clay	83	251
Sand, white	30	281
Sand, broken and clay	19	300

Table 10.-- Drillers' logs of wells in Waller County--Continued

Well YW-66-16-305

Owner: Beacon Estates, C.B. Ward
 Driller: Bussell and Son, Inc.

Description	Thick- ness (feet)	Depth (feet)
Topsoil	3	3
Unconsolidated clays, sands and gravels	335	338
Sand, good and fine gravel	32	370

Well YW-66-16-402

Owner: Harrison Interests, Ltd.
 Driller: Austin County Water Well Service, Inc.

Description	Thick- ness (feet)	Depth (feet)
Topsoil	3	3
Sand	47	50
Clay	4	54
Clay and sand	20	74
Shale	20	94
Clay	36	130
Rock	4	134

Well YW-66-16-402--Continued

Shale	20	154
Clay and shale	36	190
Sandstone and tight sand	20	210
Sand	4	214
Sandstone and sand	20	234
Sand	6	240

Well YW-66-24-301

Owner: Texas Specimen Trees
 Driller: Austin County Water Well Service, Inc.

Description	Thick- ness (feet)	Depth (feet)
Topsoil	3	3
Clay	27	30
Sand and pea gravel	45	75
Clay	5	80
Sand	10	90
Rock	5	95
Sandstone	34	129
Sandstone and sand	11	140

Table 11.-- Water levels in wells in Waller County

Depth : Depth of well
 Altitude : Altitude of land surface above sea level
 Screen : Top and bottom of screened interval below land surface
 Water level: Feet below land surface

Well YW-60-57-508
 Owner: G.O. Vaught
 Depth: 30 feet
 Altitude: 245 feet

Date	Water level
01-07-85	13.91

Well YW-65-01-502
 Owner: Lynn Hebert,
 Well No. 1
 Depth: 828 feet
 Altitude: 202 feet

Date	Water level
01-11-85	92.89
01-06-88	83.18

Well YW-65-01-814
 Owner: G.P. Nelson
 Depth: 1,000 feet
 Altitude: 191 feet

Date	Water level
01-11-85	125.16
02-11-86	116.33

Well YW-65-01-816
 Owner: G.P. Nelson
 Screen: 220-1,002 feet
 Altitude: 190 feet

Date	Water level
01-11-85	120.65
02-11-86	118.93
01-06-88	137.07
01-18-89	138.97

Well YW-65-01-905
 Owner: Clyde Nelson
 Depth: 810 feet
 Altitude: 187 feet

Date	Water level
01-11-85	68.44
01-06-88	64.47
01-18-89	65.22

Well YW-65-09-204
 Owner: G.P. Nelson
 Screen: 200-839 feet
 Altitude: 185 feet

Date	Water level
01-23-85	111.96
01-06-88	122.77
01-25-89	128.58

Well YW-65-09-213
 Owner: A. Robichaux
 Screen: 336-1,064 feet
 Altitude: 180 feet

Date	Water level
01-11-85	124.35
01-06-88	140.32
01-25-89	145.25

Well YW-65-09-301
 Owner: L.E. Morrison
 Depth: 450 feet
 Altitude: 173 feet

Date	Water level
01-18-85	116.12
01-08-86	111.73
01-13-87	111.28
01-06-88	117.27
01-25-89	123.38

Well YW-65-09-307
 Owner: T.B. Tucker
 Screen: 117-714 feet
 Altitude: 176 feet

Date	Water level
01-18-85	107.13
01-25-89	108.82

Well YW-65-09-605
 Owner: J.V. Cardiff and
 Sons
 Screen: 136-623 feet
 Altitude: 165 feet

Date	Water level
01-18-85	112.62
02-11-86	112.75
01-06-88	117.95
01-25-89	129.05

Well YW-66-08-603
 Owner: W.A. Bollinger
 Depth: 1,404 feet
 Altitude: 176 feet

Date	Water level
01-18-85	61.76

Table 12.--Chemical analyses of water from wells in Waller County

Water-bearing unit: EVGL, Evangeline aquifer
 Solids, dissolved: Calculated from unrounded concentrations; see footnote 3
 Units: ft, feet; $\mu\text{S}/\text{cm}$, microsiemens per centimeter at 25 degrees Celsius
 $^{\circ}\text{C}$, degrees Celsius; mg/L milligrams per liter; $\mu\text{g}/\text{L}$, micrograms
 per liter.
 Symbol: --, no data

Well	Date of sample	Water-bearing unit	Depth or producing interval (ft)	pH	Temperature (°C)	Hardness (mg/L CaCO ₃)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Alkalinity (mg/L CaCO ₃)	Sulfate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Silica (mg/L)	Dissolved solids (mg/L)	Total dissolved solids (mg/L)	Iron (mg/L)	Manganese (mg/L)
YW-60-57-108	11-07-84	EVGL	420-572	590	7.5	--	120	40	5.8	99	--	276	9.1	37	0.3	21	380	30	10
Prairie View A & M University, Well No. 6	1/									2/							3/		

1/ Analyzed by Curtis Laboratories.
 2/ Sodium plus potassium, calculated.
 3/ Dissolved solids equals sum of calcium + magnesium + sodium + potassium + (0.6 X alkalinity) + sulfate + chloride + fluoride + silica.