TEXAS DEPARTMENT OF WATER RESOURCES

REPORT 277

RECORDS OF WELLS, DRILLERS' LOGS, WATER-LEVEL MEASUREMENTS, AND CHEMICAL ANALYSES OF GROUND WATER IN BRAZORIA, FORT BEND, AND WALLER COUNTIES, TEXAS, 1975-79

By

Karl W. Ratzlaff, C. E. Ranzau,
and W. B. Lind
U.S. Geological Survey

This report was prepared by the U.S. Geological Survey
under cooperative agreement with the
Texas Department of Water Resources

July 1983

TEXAS DEPARTMENT OF WATER RESOURCES

Charles E. Nemir, Executive Director

TEXAS WATER DEVELOPMENT BOARD

Louis A. Beecherl Jr., Chairman
Glen E. Roney
W. O. Bankston
George W. McCleskey, Vice Chairman
Lonnie A. "Bo" Pilgrim
Louie Welch

TEXAS WATER COMMISSION

Felix McDonald, Chairman
Lee B. M. Biggart, Commissioner
John D. Stover, Commissioner

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

ABSTRACT

Information on major new water wells in Brazoria, Fort Bend, and Waller Counties was compiled by the U.S. Geological Survey from 1975 to 1979. This report presents the results of the hydrologic data collection on new large-capacity and other selected wells, including well location and completion data, drillers' logs of the strata penetrated, water levels, and chemical quality of the produced water. These water-well data are supplementary to similar data on older wells in these counties and descriptive evaluations of the ground-water resources which have been published previously.

TABLE OF CONTENTS

TABLES

TABLE OF CONTENTS-Continued

Page

FIGURES

RECORDS OF WELLS, DRILLERS' LOGS, WATER-LEVEL MEASUREMENTS, AND CHEMICAL ANALYSES OF GROUND WATER IN BRAZORIA, FORT BEND, AND WALLER COUNTIES, TEXAS, 1975-79

By

Karl W. Ratzlaff, C. E. Ranzau,
and W. B. Lind
U.S. Geological Survey

INTRODUCTION

Hydrologic data from Brazoria, Fort Bend, and Waller Counties, Texas, are being collected in cooperation with the Texas Department of Water Resources to evaluate the ground-water resources of the greater Houston-Galveston region. The data-collection program consists of an inventory of new large-capacity and other selected wells, water-level measurements in observation wells, and a compilation of information on land-surface subsidence.

The hydrologic data are published every 5 years. The first report (Naftel, Vaught, and Fleming, 1976) presents data collected from 1966 to 1974. This report presents records of wells, drillers' logs, water-level measurements, and chemical analyses of ground water collected during 1975-79 (Tables 1-12). Additional information on the geology and hydrology of the area may be found in publications listed in "Selected References."

Most of the chemical analyses presented in this report were determined in the laboratories of the U.S. Geological Survey, but some data were obtained from commercial analyses. Dissolved solids (sum of constituents) and hardness (Ca, Mg) were recalculated to correspond to the Geological Survey reporting methods.

METRIC CONVERSIONS

The "inch-pound" units used in this report may be converted to metric units by the following conversion factors:

From	Multiply by	To obtain
feet	0.3048	meters (m)
gallons per minute (gal/min)	0.06309	liters per second (l/s)
inches	2.54	centimeters (cm)

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

On the well-location maps (Figures 1-3), only the last three digits of the well number are shown at each well location; the second two digits are shown in the northwest corner of each 7½-minute quadrangle; and the first two digits are shown by the large block numerals 59, 60, 65, 66, and 81.

In addition to the seven-digit well number, a two-letter 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

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 Devel. Board Rept. 201, 91 p., 3 figs.

Ratzlaff, K. W., 1982, Land-surface subsidence in the Texas coastal region: Texas Dept. Water Resources Rept. 272, 30 p., 8 figs.

Sandeen, W. M., and Wesselman, J. B., 1973, Ground-water resources of Brazoria County, Texas: Texas Water Devel. Board Rept. 163, 205 p., 29 figs.

Wesselman, J. B., 1972, Ground-water resources of Fort Bend County, Texas: Texas Water Devel. Board Rept. 155, 185 p., 33 figs.

Wilson, C. A., 1967, Ground-water resources of Austin and Waller Counties, Texas: Texas Water Devel. Board Rept. 68, 231 p., 27 figs.

Table 1.--Records of Wells in Brazoria County

Water Levels : Reported water levels given in feet; measured water levels given in feet and tenths
Method of Lift and Type of Power: E, electric; G, gasoline, butane, or diesel engine; Sub, submersible; T, turbine
Use of Water : D, domestic; Ind, industrial; Irr, irrigation; P, public supply
Water-bearing unit : C, Chicot aquifer; CU, Upper unit of Chicot aquifer; CL, Lower unit of Chicot aquifer; E, Evangeline aquifer

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water-bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Above (+) below land surface datum (ft)	Date of measurement			
* BH-65-30-614	City of Pearland	Layne-Texas Co.	1975	1,062	16 10	620 1,062	E, CL	50	242	Oct. 7, 1975	T, E	P	160 feet of screen between 630 and 1,050 feet.
710	Texaco, Inc.	Raymond Water Well Drilling Co.	1977	661	6 4	618 661	C	57	216	Jan. 1977	Sub, E	Ind	Screen from 630 to 660 feet. Reported yield 60 gal/min when drilled. 1/
812	Jerry Pleasant	O'Day Drilling Co.	1977	330	4 2-1/2	310 330	CU	50	158	Jan. 20, 1977	Sub, E	D	Casing slotted from 320 to 330 feet. Reported yield 80 gal/min when drilled. 1/
* 38-608	City of Alvin	Layne-Texas Co.	1975	685	16 10	536 685	C	45	195	May 8, 1975	T, E	P	Screen from 546 to 666 feet. Reported yield 1,045 gal/min with 48 feet drawdown when drilled. 1/
* 39-405	City of Alvin, Well 5	Layne-Texas Co.	1970	735	16 10	600 735	CL	40	178	Apr. 28, 1970	E 75	P	Screen from 610 to 720 feet. Reported yield variable with 39 feet drawdown when drilled. 1/
42-601	Walter Todd	Leonard W. Mickelson	1977	764	18 12	299 764	C	70	80	Oct. 1977	T, E 150	Irr	355 feet of screen between 157 to 758 feet. 1/
* 43-707	Brazoria County Fresh Water Supply District No. 1	Layne-Texas Co.	1978	264	14 8	200 264	C	77	104	Apr. 17, 1978	T, E	P	30 feet of screen between 210 and 250 feet. Reported yield 140 gal/min with 62 feet drawdown when drilled. 1/
803	Charles Gless	Katy Drilling, Inc.	1967	887	12	887	CL	60	108	June 30, 1967	T 220	Irr	Screen from 401 to 887 feet. Reported yield 3,477 gal/min with 167 feet drawdown when drilled. 1/
44-309	R. P. Doherty	O'Day Drilling Co.	1975	596	6 4	560 596	CL	45	60	May 25, 1975	E	D	Screen from 576 to 596 feet. Reported yield 200 gal/min when drilled. 1/
* 607	Texas Department of Corrections	Layne-Texas Co.	1975	885	14 8	575 885	C, E	40	75	Mar. 5, 1975	--	P	135 feet of screen between 585 and 862 feet. Reported yield 510 gal/min with 83 feet drawdown when drilled. 1/
51-601	A. H. Beal	Layne-Western Co., Inc.	1975	417	12	417	CU	35	110	Nov. 14, 1975	T, E	Irr	221 feet of screen between 196 and 417 feet. Reported yield 490 gal/min with 96 feet drawdown when drilled. 1/
704	Bay Area Council Boy Scouts of America	L. Patterson, Inc.	1973	122	6 4	100 122	C	40	28	May 15, 1973	Sub, E 3	D	Screen from 101 to 221 feet. Reported yield 80 gal/min when drilled. 1/
52-207	W. T. Black	Finch Water Well Service	1976	159	8 4	119 159	C	40	38	Apr. 2, 1976	Sub, E	D	Casing slotted from 115 to 160 feet. 1/
303	Landor Corp.	B. J. Swinehart Co., Inc.	1977	179	6 4	119 179	CU	31	10	Apr. 1977	Sub, E 7.5	D	35 feet of screen between 123 and 180 feet.
407	A. H. Beal	Layne-Western Co., Inc.	1975	417	12	417	C	35	114	Nov. 14, 1975	--	Irr	Casing slotted from 200 to 421 feet. Reported yield 490 gal/min with 16 feet drawdown when drilled. Test hole drilled to 500 feet. 1/
* 53-510	City of Angleton, Well 9	Lanford Drilling Co.	1978	843	13 8	770 843	C	29	105	Mar. 28, 1978	T, E	P	Screen from 770 to 883 feet. Reported yield 600 gal/min with 60 feet drawdown when drilled. 1/

See footnotes at end of table.

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

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water-bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Above (+) below land surface datum (ft)	Date of measurement			
BH-65-58-305	George L. Rush	Finch Water Well Service	1978	78	6	78	CU	40	16	May 19, 1978	Sub, E	Irr	Screen from 70 to 80 feet. 1/
621	Phillips Petroleum Co.	Layne-Western Co., Inc.	1975	156	20 12	94 156	C	35	45	May 1975	--	Ind	Screen from 95 to 155 feet. Reported yield 530 gal/min with 73 feet drawdown when drilled. 1/
59-204	Thomas Edling	Finch Water Well Service	1977	133	6 4	98 133	CU	20	9	Apr. 30, 1977	Sub, E 7	Irr	Casing slotted from 100 to 135 feet. 1/
810	City of Sweeney, No. 3	Layne-Western Co., Inc.	1977	222	16 10	141 222	CU	32	49	Feb. 1977	T, E 30	P	Casing slotted from 150 to 221 feet. Reported yield 39 gal/min when drilled.
* 61-108	Texas Department of Corrections	Layne-Texas Co.	1978	400	16 10	230 400	C	20	64	Oct. 27, 1978	T, E 40	Ind	100 feet of screen between 240 and 380 feet. Reported yield 351 gal/min with 38 feet drawdown when drilled. 1/
305	Chris Coale	Leonard W. Mickelson	1977	489	16 12	278 489	CU	13	--	May 30, 1978	E 200	Irr	252 feet of casing slotted 170 to 488 feet. Reported yield 2,883 gal/min when drilled. 1/
504	City of Lake Jackson	Layne-Western Co., Inc.	1977	340	16 10	290 340	CU	19	103	Dec. 1977	T, E 40	P	25 feet of screen between 305 and 335 feet. Reported yield 350 gal/min with a drawdown of 208 feet when drilled. 1/ 2/
914	City of Clute	B. J. Swinehart Co., Inc.	1977	242	8	242	CU	17	70	Aug. 1977	Sub, E	P	Screen from 218 to 243 feet. Reported yield 230 gal/min with 11 feet drawdown when drilled. 1/
915	do	do	1977	237	8	237	CU	9	74	do	Sub, E	P	24 feet of screen between 209 and 237 feet. 1/
62-501	Dow Chemical, U.S.A.	W. B. Patterson	1976	318	6	318	CU	6	53	Mar. 9, 1976	Sub, E	Ind	30 feet of screen between 266 and 317 feet. Reported yield 175 gal/min when drilled. 1/
81-03-302	John W. King	Finch Water Well Service	1976	94	6 4	74 94	C	21	18	Mar. 14, 1976	Sub, E	Irr	Casing slotted from 75 to 95 feet. 1/
04-214	Phillips Petroleum Co.	Otto Janssen	1975	71	8 6	38 71	C	13	9	Apr. 25, 1975	Sub, E	Ind	Screen from 38 to 71 feet. 1/
215	LeRoy Smith	Finch Water Well Service	1978	86	6	86	--	15	6	July 30, 1978	Sub, E	Irr	Screen from 46 to 86 feet. 1/
06-423	B. H. Gardner Constructors	do	1975	248	6 4	227 248	C	5	120	--	Sub, E	Ind	Screen from 228 to 248 feet. 1/
504	Ortloff Corp.	do	1976	266	6 4	243 266	CU	4	106	July 21, 1976	Sub, E	Ind	Screen from 250 to 270 feet. 1/

* See Table 4 for Chemical Analyses of Water from Wells.
1/ See Table 2 for Drillers' Logs of Wells.
2/ See Table 3 for Water Levels in Wells.

Table 2.—Drillers' Logs of Wells in Brazoria County

Well BH-65-30-614

Owner: City of Pearland

Driller: Layne-Texas Co.

	THICKNESS (feet)	DEPTH (feet)
Clay	10	70
Sand	10	80
Clay	37	117
Sand	32	149
Clay	30	179
Sand	19	198
Clay	12	210
Sand	59	269
Sand and shale	61	330
Shale	14	344
Sand	20	364
Shale, sandy	16	380
Shale and shale, sandy	65	445
Shale, sandy	35	480
Shale and sandy shale	55	535
Sand	20	555
Shale	7	562
Sand	10	572
Shale	24	596
Shale, sandy	14	610
Sand	5	615
Shale	35	650
Sand and shale streaks	33	683
Shale	45	728
Sand and shale (broken)	21	749
Shale	16	765
Shale, sandy	8	773
Sand and shale	17	790
Shale	8	798
Sand	10	808
Shale	96	904
Shale, sandy	41	945
Shale and sandy shale	30	975
Shale	16	991
Shale, sandy and sand streaks	62	1,053
Shale	15	1,068

Well BH-65-30-710

Owner: Texaco, Inc.

Driller: Raymond Water Well Drilling

	THICKNESS (feet)	DEPTH (feet)
Clay	8	8
Sand	12	20
Clay	5	25
Sand	8	33
Clay	22	55
Sand	11	66
Clay	29	95
Sand	15	110
Clay	69	179
Sand, fine	21	200
Clay	62	262
Sand	6	268
Clay	92	360
Sand	6	366
Clay	18	384
Sand	29	413
Clay	116	529
Sand	5	534
Clay	65	599
Sand, good	61	660
Clay	1	661

Well BH-65-30-812

Owner: Jerry Pleasant

Driller: O'Day Drilling Co.

Top	2	2
Clay	13	15
Sand	10	25
Clay	15	40
Sand	14	54
Clay	90	144
Sand (fine)	10	154
Clay	42	196
Sand (fine)	9	205
Clay	96	301
Sand (good)	29	330

Table 2.—Drillers' Logs of Wells in Brazoria County—Continued

	THICKNESS (feet)	DEPTH (feet)
Well BH-65-38-608		
Owner: City of Alvin		
Driller: Layne-Texas Co.		
Top soil	4	4
Clay and sand	57	61
Shale with streaks, sandy	84	145
Sand	5	150
Shale (tough)	10	160
Sand (broken)	20	180
Shale with streaks, sandy	30	210
Shale, sandy	23	233
Shale (tuff)	16	249
Shale with streaks, sandy	55	304
Shale, hard	51	355
Shale, sandy	11	366
Shale, hard	16	382
Sand	13	395
Shale, hard	28	423
Shale (tuff)	10	433
Sand with shale, sandy	11	444
Shale (tuff)	4	448
Sand with shale, sandy	25	473
Shale, sandy	14	487
Sand	7	494
Shale, hard with streaks, sandy	11	505
Shale, hard	12	517
Shale, sandy	18	535
Shale, hard	3	538
Sand	147	685
Sand and shale, sandy	10	695
Well BH-65-39-405		
Owner: City of Alvin, No. 5		
Driller: Layne-Texas Co.		
Top soil	4	4
Clay	10	14
Sand and clay streaks	17	31
Clay	3	34
Sand	8	42
Clay and clay, sandy	59	101
Sand	8	109
Clay and clay sandy with sand streaks	22	131
Sand with clay streaks	26	157
Clay with clay, sandy	13	170
Sand with streaks, hard	10	180
Sand with shale, sandy	21	201
Clay, sandy with streaks of sand	9	210
Sand	4	214
Shale, sandy with sand streaks	58	272
Clay, sandy and sand	53	325
Shale, sandy	12	337
Sand, shale and sand	31	368
Shale	24	392
Sand	18	410
Shale and shale, sandy	26	436
Sand with shale streaks	25	461
Shale	9	470
Sand	12	482
Shale, sandy and streaks of sand	38	520
Shale and shale, sandy	10	530
Sand (broken)	25	555
Shale	5	560
Sand, fine (broken)	20	580
Sand	124	704
Sand (broken)	16	720
Shale, sandy	15	735
Well BH-65-42-601		
Owner: Walter Todd		
Driller: Leonard W. Mickelson		
Soil and clay	43	43
Sand	32	75
Clay	15	90
Sand	11	101
Clay	20	121
Sand, rocky	59	180
Clay	25	205
Sand	27	232
Clay	31	263
Sand	10	273
Clay	11	284
Sand	6	290
Clay	10	300
Sand	10	310
Clay	30	340
Sand	21	361
Clay	6	367

Table 2.—Drillers' Logs of Wells in Brazoria County—Continued

	THICKNESS (feet)	DEPTH (feet)
Well BH-65-42-601—Continued		
Sand	20	387
Clay	15	402
Sand, rocky	32	434
Clay	21	455
Sand	10	465
Clay	16	481
Sand	10	491
Clay	16	507
Sand	10	517
Clay	10	527
Sand and wood	65	592
Clay	31	623
Sand	10	633
Clay	22	655
Sand, rocky	23	678
Clay	6	684
Sand, rocky	78	762
Clay	10	772
Well BH-65-43-707		
Owner: Brazoria County FWSD No. 1		
Driller: Layne-Texas Co.		
Top clay	8	8
Shale, sandy	2	10
Shale	2	12
Shale and sand streaks	4	16
Sand	1	17
Shale and sand streaks	17	34
Shale and shale, sandy	12	46
Sand	4	50
Shale	10	60
Shale and shale, sandy	17	77
Sand and shale, sandy	43	120
Shale, sandy	8	128
Sand	16	144
Shale	38	182
Shale, sandy and sand streaks	5	187
Shale	21	208
Sand	43	251
Shale	13	264
Well BH-65-43-803		
Owner: Charles Gless		
Driller: Katy Drilling Co.		
Surface and clay	27	27
Sand and rock	74	101
Clay	23	224
Sand	20	244
Clay	16	260
Sand	15	275
Clay with sand streaks	42	317
Clay	84	401
Sand	152	553
Clay	11	564
Sand, rocky	27	591
Rock, hard	4	595
Shale, hard with sand breaks, small	88	683
Sand, rocky	99	782
Clay, sandy	32	814
Clay	29	843
Sand and rock	44	887
Clay	12	899
Well BH-65-44-309		
Owner: R. D. Doherty		
Driller: O'Day Drilling Co.		
Top soil	2	2
Clay	18	20
Sand	10	30
Clay	45	75
Sand	25	100
Clay	300	400
Sand, fine	40	440
Clay	120	560
Sand	36	596
Well BH-65-44-607		
Owner: Texas Department of Corrections		
Driller: Layne-Texas Co.		
Shale	10	10
Shale streaks	10	20
Shale	8	28
Sand	37	65
Shale	4	69
Shale and clay	31	100

Table 2.—Drillers' Logs of Wells in Brazoria County—Continued

	THICKNESS (feet)	DEPTH (feet)
Well BH-65-44-607—Continued		
Sand	25	125
Shale	3	128
Sand	60	188
Shale	8	196
Sand	16	212
Gravel and shale streaks	11	223
Sand and gravel	32	255
Shale	20	275
Sand	22	297
Shale	87	384
Shale, sandy	55	439
Sand	27	466
Shale, sandy	50	516
Sand	9	525
Shale	2	527
Shale, sandy	51	578
Sand	43	621
Shale, sandy	61	682
Sand	31	713
Shale, sandy	31	744
Shale	4	748
Sand	42	790
Shale	29	819
Sand	46	865
Shale	20	885
Well BH-65-51-601		
Owner: A. N. Beal		
Driller: Layne-Western Co.		
Surface clay	0	6
Sand	12	18
Clay	29	47
Sand	31	78
Clay	7	85
Sand	27	112
Clay	10	122
Sand	31	153
Clay	18	171
Sand and rock	13	184
Shale	3	187
Sand-rock	32	219
Clay	32	251
Sand	10	261
Clay	9	270

	THICKNESS (feet)	DEPTH (feet)
Well BH-65-51-601—Continued		
Sand	16	286
Missing	4	290
Sand	41	331
Clay	12	343
Sand-rock	14	357
Clay	12	369
Sand-rock	10	379
Clay	9	388
Sand-rock	29	417
Clay	74	481
Sand	9	490
Clay	6	496
Well BH-65-51-704		
Owner: Bay Area Council, Boy Scouts of America		
Driller: W. B. Patterson		
Surface soil	10	10
Sand	29	39
Shale	39	78
Sand	44	122
Shale	1	123
Well BH-65-52-207		
Owner: W. T. Black		
Driller: Finch Water Well Service		
Red clay	29	29
Blue clay	23	52
Sand-gravel	36	88
Red clay	19	107
Sand, soft	12	119
Sand, heavy	40	159
Well BH-65-52-303		
Owner: W. T. Read Lander Corporation		
Driller: B. J. Swinehart Co., Inc.		
Clay, red	5	5
Sand, red	12	17
Clay, red	8	25
Sand, coarse	62	87
Clay	31	118
Sand, coarse	28	146
Clay	17	165
Sand	13	178
Clay	4	179

Table 2.—Drillers' Logs of Wells in Brazoria County—Continued

	THICKNESS (feet)	DEPTH (feet)
Well BH-65-52-407		
Owner: A. H. Beal		
Driller: Layne-Western Co.		
Surface clay	6	6
Sand	12	18
Clay	29	47
Sand	31	78
Clay	7	85
Sand	27	112
Clay	10	122
Sand	31	153
Clay	18	171
Sand-rock	13	184
Shale	3	187
Sand-rock	32	219
Clay	32	251
Sand	10	261
Clay	9	270
Sand	16	286
Missing	4	290
Sand	41	331
Clay	12	343
Sand	14	357
Clay	12	369
Sand	10	379
Clay	9	388
Sand	29	417
Clay	64	481
Sand	9	490
Clay	6	496
Well BH-65-53-510		
Owner: City of Angleton		
Driller: Lanford Drilling Co.		
Sand and clay	2	2
Clay, black, sandy	46	48
Shale	6	54
Sand	76	130
Shale	70	200
Sand	25	225
Shale	45	270
Sand	10	280
Shale, sandy and shale	250	530
Sand	10	540
Shale	60	600
Shale, sandy	40	640
Shale	130	770
Sand	30	800
Shale and sand	6	806
Sand	14	820
Gravel	10	830
Sand	9	839
Shale	31	870
Shale, sandy and sand	35	905
Well BH-65-58-305		
Owner: G. L. Rush		
Driller: Finch Water Well Service		
Clay, red	23	23
Sand	5	28
Clay, blue	25	53
Clay, red	15	68
Sand	10	78
Well BH-65-58-621		
Owner: Phillips Petroleum Co.		
Driller: Layne-Western Co.		
Black dirt	2	2
Clay, red	17	19
Sand, clay streaks	10	29
Sand	22	51
Sand streaks and clay	25	46
Clay	18	94
Sand, clay streaks	17	111
Sand and gravel	40	151
Clay	5	156
Well BH-65-59-204		
Owner: Thomas Edling		
Driller: Finch Water Well Service		
Clay, red	33	33
Sand	19	52
Clay, red	23	75
Sand, clay	17	92
Sand	41	133

Table 2.—Drillers' Logs of Wells in Brazoria County—Continued

Well BH-65-61-108

Owner: Texas Department of Corrections

Driller: Layne-Texas Co.

	THICKNESS (feet)	DEPTH (feet)
Clay, red	5	5
Clay, sandy	6	11
Sand	18	29
Sand and shale	23	52
Shale	4	56
Sand and shale	16	72
Shale	14	86
Shale, sandy	3	89
Shale and sand streaks	47	136
Sand, coarse	39	175
Shale	2	177
Sand, coarse	29	206
Sand, fine (coarse streaks)	29	235
Sand and few clay streaks	85	320
Shale	15	335
Shale, sandy	14	349
Sand	52	401
Shale	6	407

Well BH-65-61-305

Owner: Chris Coale

Driller: Leonard W. Mickelson

	THICKNESS (feet)	DEPTH (feet)
Soil and clay	15	15
Sand	38	53
Clay	38	91
Sand, rocky	47	138
Clay	6	144
Sand	43	187
Clay	14	201
Sand	10	211
Clay	5	216
Sand	12	228
Clay	10	238
Sand, rocky	66	304
Clay	21	325
Sand, rocky	32	357
Clay	6	363
Sand, rocky	62	425
Clay	6	431
Sand, rocky	52	483
Clay	21	504

Well BH-65-61-504

Owner: City of Lake Jackson

Driller: Layne-Western Co.

	THICKNESS (feet)	DEPTH (feet)
Clay	25	25
Sand	15	40
Clay	35	75
Sand	10	85
Clay streaks and sand	18	103
Streaks sand and clay	23	126
Sand	10	136
Clay	26	162
Sand	34	196
Clay	8	204
Sand	47	251
Clay	53	304
Sand	21	325
Clay	9	334
Sand	6	340
Clay	5	345
Sand	4	349

Well BH-65-61-914

Owner: City of Clute

Driller: B. J. Swinehart Co., Inc.

	THICKNESS (feet)	DEPTH (feet)
Clay	2	2
Sand	41	43
Clay	28	71
Sand, red	8	79
Clay	42	121
Sand	39	160
Clay	19	179
Sand	13	192
Clay	20	212
Sand, coarse	28	240
Clay	2	242

Well BH-65-61-915

Owner: City of Clute

Driller: B. J. Swinehart Co., Inc.

	THICKNESS (feet)	DEPTH (feet)
Clay	35	35
Clay, sandy	8	43
Clay, red	10	53
Sand	13	66
Red and blue clay	42	108

Table 2.—Drillers' Logs of Wells in Brazoria County—Continued

	THICKNESS (feet)	DEPTH (feet)
Well BH-65-61-915—Continued		
Sand, fine	20	128
Sand, medium	25	153
Clay	33	186
Sand, coarse	6	192
Clay	17	209
Sand, coarse	15	224
Sand, fine	5	229
Sand, coarse	9	238
Clay	1	239
Well BH-65-62-501		
Owner: Dow Chemical U.S.A.		
Driller: W. B. Patterson		
Surface soil	10	10
Shale	99	109
Silt	16	125
Shale	18	143
Sand	14	157
Shale	86	243
Sand (fine to medium grain)	45	288
Shale	16	304
Sand (fine to medium grain)	14	318
Well BH-81-03-302		
Owner: John W. King		
Driller: Finch Water Well Service		
Clay, red	17	17
Sand	22	39
Clay, red	32	71
Sand	23	94
Well BH-81-04-214		
Owner: Phillips Petroleum Co.		
Driller: Otto Janssen		
Soil, top	3	3
Clay	35	38
Sand	33	71
Well BH-81-04-215		
Owner: Leroy Smith		
Driller: Finch Water Well Service		
Clay, red	18	18
Clay, blue	10	28
Clay, red	20	48
Sand	40	88
Well BH-81-06-423		
Owner: B. H. Gardner Constructors		
Driller: Finch Water Well Service		
Clay, red	36	36
Sand	27	63
Clay, blue	77	140
Clay, sandy	76	216
Sand	32	248
Well BH-81-06-504		
Owner: Ortloff Corporation		
Driller: Finch Water Well Service		
Clay, red	11	11
Clay, blue	12	23
Sand, fine	47	70
Clay, blue	66	136
Sand, fine	17	153
Clay, blue	21	174
Sand, fine	2	176
Clay, blue	59	235
Sand-rock, coarse	31	266
Clay, blue	2	268

Table 3.—Water Levels in Wells in Brazoria County
(feet below land surface)

Well BH-65-30-601

Owner: C. H. Alexander

Elevation: 51
Completion Interval: 350-1,300

DATE	WATER LEVEL
Feb. 7, 1975	192.98
June 11, 1975	193.15
Sept. 23, 1975	195.18
Dec. 1, 1975	195.51
Mar. 2, 1976	194.92
June 10, 1976	198.63
Sept. 9, 1976	205.10
Dec. 15, 1976	197.99
Feb. 14, 1977	200.69
June 1, 1977	189.88
Sept. 20, 1977	207.87
Feb. 14, 1978	206.14
June 1, 1978	207.94
Sept. 21, 1978	216.51
Jan. 18, 1979	175.91
June 5, 1979	173.43
Sept. 7, 1979	177.91

Well BH-65-30-902

Owner: Amoco Co.

Elevation: 45
Completion Interval: -591

DATE	WATER LEVEL
Jan. 28, 1975	204.35
Jan. 12, 1976	208.15
Jan. 17, 1977	211.14
Aug. 2, 1977	217.78
Feb. 28, 1979	161.64

Well BH-65-31-704

Owner: Exxon Corp.

Elevation: 37
Completion Interval: 452-495

DATE	WATER LEVEL
Jan. 23, 1975	200.99
Aug. 4, 1975	203.74
Jan. 12, 1976	204.27
Aug. 3, 1976	177
Jan. 17, 1977	205.28
Aug. 2, 1977	204.37
Mar. 1, 1978	197.35
Aug. 2, 1978	199.22

Well BH-65-38-201

Owner: J. W. McCabe

Elevation: 56
Completion Interval: 440-480

DATE	WATER LEVEL
Jan. 29, 1975	115.42
Jan. 12, 1976	117.24
Jan. 17, 1977	117.90
Feb. 28, 1979	117.94

Well BH-65-38-301

Owner: Exxon Co.

Elevation: 44
Completion Interval: 341-371

DATE	WATER LEVEL
Jan. 23, 1975	132.49
Jan. 12, 1976	134.01

Well BH-65-45-102

Owner: Otto Senior Club

Elevation: 50
Completion Interval: 297-916

DATE	WATER LEVEL
Jan. 28, 1975	72.98
Jan. 26, 1976	75.68
Jan. 17, 1977	81.75
Mar. 6, 1979	83.44

Well BH-65-45-103

Owner: Otto Senior Club

Elevation: 49
Completion Interval: -900

DATE	WATER LEVEL
Jan. 28, 1975	92.16
Jan. 26, 1976	95.86
Jan. 17, 1977	98.47

Well BH-65-45-501

Owner: N. E. Selstad

Elevation: 41
Completion Interval: 242-1,164

DATE	WATER LEVEL
Jan. 27, 1975	79.53
Jan. 13, 1976	83.16
Jan. 17, 1977	85.97
Mar. 13, 1978	83.20
Mar. 6, 1979	95.20

Well BH-65-46-301

Owner: Exxon Co.

Elevation: 30
Completion Interval: 441-473

DATE	WATER LEVEL
Jan. 28, 1975	68.22
Jan. 12, 1976	68.25
Jan. 17, 1977	68.54
Mar. 1, 1978	69.28
Mar. 6, 1979	69.57

Well BH-65-46-610

Owner: Kelso Building Materials Co.

Elevation: 15
Completion Interval: -350

DATE	WATER LEVEL
Jan. 28, 1975	71.36
Jan. 26, 1976	70.94
Aug. 4, 1976	71.06
Jan. 12, 1977	70.86
Aug. 2, 1977	72.03
Aug. 2, 1978	71.80
Aug. 6, 1979	69.96

Well BH-65-46-702

Owner: Exxon Co.

Elevation: 26
Completion Interval: 491-514

DATE	WATER LEVEL
Jan. 29, 1975	41.96
Jan. 12, 1976	41.33
Jan. 12, 1977	40.91
Mar. 6, 1978	40.84
Mar. 6, 1979	41.88

Well BH-65-47-401

Owner: Phillips Petroleum Co.

Elevation: 23
Completion Interval: 400

DATE	WATER LEVEL
Aug. 4, 1975	82.51
Jan. 12, 1977	83.00
Aug. 2, 1977	86.99
Mar. 6, 1978	83.76
Aug. 2, 1978	83.28
Feb. 28, 1979	83.03
Aug. 6, 1979	78.96

Table 3.—Water Levels in Wells in Brazoria County—Continued

DATE	WATER LEVEL
Well BH-65-50-504	
Owner: Exxon Co.	
Elevation: 54 Completion Interval: 438-473	
Aug. 3, 1977	57.09
Mar. 13, 1978	46.94
Aug. 3, 1978	60.30
Mar. 7, 1979	50.50
Aug. 7, 1979	42.39
Well BH-65-50-505	
Owner: Exxon Co.	
Elevation: 53 Completion Interval: 379-399	
Jan. 27, 1975	44.18
Aug. 7, 1975	45.31
Jan. 13, 1976	46.33
Aug. 2, 1976	45.31
Jan. 12, 1977	46.23
Aug. 3, 1977	44.99
Mar. 13, 1978	44.24
Aug. 3, 1978	48.10
Mar. 7, 1979	47.33
Aug. 7, 1979	44.07
Well BH-65-50-802	
Owner: Exxon Co.	
Elevation: 51 Completion Interval: -500	
Jan. 27, 1975	37.52
Aug. 7, 1975	38.67
Jan. 13, 1976	39.32
Aug. 2, 1976	43.77
Jan. 12, 1977	39.99
Aug. 3, 1977	45.74
Aug. 3, 1978	50.72
Mar. 7, 1979	41.45
Aug. 7, 1979	40.37
Well BH-65-51-901	
Owner: City of West Columbia, well 1	
Elevation: 34 Completion Interval: 540-650	
Jan. 20, 1975	61.36
Jan. 22, 1976	58.55
Jan. 12, 1977	58.68

DATE	WATER LEVEL
Well BH-65-51-901—Continued	
Mar. 13, 1978	55.73
Mar. 7, 1979	66.61
Well BH-65-53-504	
Owner: Exxon Co.	
Elevation: 33 Completion Interval: 785-807	
Jan. 22, 1975	79.06
Aug. 6, 1975	81.41
Jan. 13, 1976	85.63
Jan. 12, 1977	86.82
Aug. 3, 1977	92.61
Aug. 3, 1978	94.83
Mar. 6, 1979	104.10
Aug. 7, 1979	98.71
Well BH-65-54-101	
Owner: Brazoria County WC and ID No. 4	
Elevation: 23 Completion Interval: 267-298	
Jan. 29, 1975	21
Jan. 26, 1976	14
Jan. 12, 1977	34
Mar. 6, 1978	14
Well BH-65-54-403	
Owner: Tigner Brothers	
Elevation: 15 Completion Interval: 173-322	
Jan. 21, 1975	4.89
Jan. 12, 1976	6.04
Jan. 10, 1977	5.82
Mar. 6, 1978	5.91
Mar. 5, 1978	9.70
Well BH-65-54-407	
Owner: J. M. Skrabanek	
Elevation: 14 Completion Interval: 499-870	
Jan. 21, 1975	71.32
Aug. 7, 1975	70.88
Jan. 12, 1976	71.52
Aug. 4, 1976	71.17
Jan. 12, 1977	72.40
Aug. 2, 1977	79.59

DATE	WATER LEVEL
Well BH-65-54-407—Continued	
Mar. 6, 1978	71.51
Aug. 2, 1978	71.29
Mar. 6, 1979	72.82
Aug. 6, 1979	69.39
Well BH-65-59-406	
Owner: Phillips Petroleum Co.	
Elevation: 36 Completion Interval: 137-177	
Aug. 3, 1977	40.38
Mar. 13, 1978	33.70
Mar. 7, 1979	28.43
Well BH-65-59-411	
Owner: Phillips Petroleum Co.	
Elevation: 35 Completion Interval: 132-142	
Aug. 7, 1975	35.14
Jan. 3, 1976	30.89
Well BH-65-59-413	
Owner: Phillips Petroleum Co., well 6-B	
Elevation: 36 Completion Interval: 104-150	
Jan. 27, 1975	42.27
Aug. 7, 1975	48.53
Jan. 13, 1976	35.98
Aug. 3, 1976	37.57
Jan. 7, 1977	26.40
Aug. 3, 1977	39.72
Mar. 13, 1978	30.33
Aug. 3, 1978	36.20
Mar. 7, 1979	26.98
Aug. 8, 1979	25.71
Well BH-65-59-414	
Owner: Phillips Petroleum Co., well 6-A	
Elevation: 36 Completion Interval: -167	
Jan. 27, 1975	28.52
Aug. 7, 1975	27.71
Jan. 13, 1976	25.07
Aug. 3, 1976	26.69
Jan. 7, 1977	16.74
Aug. 3, 1977	25.32

Table 3.—Water Levels in Wells in Brazoria County—Continued

DATE	WATER LEVEL
Well BH-65-59-414—Continued	
Mar. 13, 1978	20.39
Aug. 3, 1978	23.07
Mar. 7, 1979	18.90
Aug. 8, 1979	20.03

Well BH-65-59-501

Owner: Amoco Company

Elevation: 23
Completion Interval: -150

Jan. 27, 1975	6.10
Aug. 7, 1975	5.57
Jan. 22, 1976	7.88
Jan. 12, 1977	5.39
Aug. 2, 1977	8.89
Mar. 13, 1978	6.06
Aug. 2, 1978	5.73
Mar. 7, 1979	10.98
Aug. 7, 1979	6.13

Well BH-65-59-803

Owner: City of Sweeny, well 1

Elevation: 34
Completion Interval: 150-185

Jan. 20, 1975	43
Jan. 22, 1976	44
Dec. 3, 1976	48
Feb. 23, 1978	50

Well BH-65-59-804

Owner: City of Sweeny, well 2

Elevation: 32
Completion Interval: 145-185

Jan. 20, 1975	41
Jan. 22, 1976	47.5
Feb. 23, 1978	52

Well BH-65-61-402

Owner: Dow Chemical Co. TW-11

Elevation: 20
Completion Interval: 172-182

Jan. 1975	32.2
Feb. 1975	31.8
Mar. 1975	31.6
May 1975	31.8
June 1975	32.9
Aug. 1975	33.9

DATE	WATER LEVEL
Well BH-65-61-402—Continued	
Sept. 1975	34.0
Oct. 1975	34.1
Nov. 2, 1975	33.8
Dec. 4, 1975	33.9
Jan. 1976	33.3
Feb. 1976	33.5
Mar. 1976	33.2
Apr. 1976	34.0
May 1976	34.2
June 1976	35.0
July 1976	34.8
Aug. 1976	36.3
Sept. 1976	36.7
Oct. 1976	36.2
Nov. 1976	36.8
Dec. 1976	34.0
Jan. 1977	33.5
Feb. 1977	33.3
Mar. 1977	32.8
Apr. 1977	32.9
May 1977	32.5
June 1977	32.3
July 1977	34.9
Aug. 1977	35.5
Sept. 1977	35.4
Oct. 1977	35.3
Nov. 1977	34.8
Dec. 1977	33.3
Jan. 1978	33.2
Feb. 1978	33.4
Mar. 1978	33.8
Apr. 1978	33.6
May 1978	34.8
June 1978	34.0
July 1978	37.7
Aug. 1978	37.2
Sept. 1978	37.0
Oct. 1978	37.5
Nov. 1978	37.5
Dec. 1978	37.2
Jan. 1979	38.0
Feb. 1979	37.9
Mar. 1979	37.3

DATE	WATER LEVEL
Well BH-65-61-402—Continued	
Apr. 1979	36.5
May 1979	36.2
June 1979	36.3
July 1979	36.5
Aug. 1979	36.5
Sept. 1979	36.2
Oct. 1979	36.0
Nov. 1979	36.1
Dec. 1979	36.0

Well BH-65-61-504

Owner: City of Lake Jackson, well 10

Elevation: 19
Completion Interval: 300-330

Dec. 1977	103
May 1978	118
June 1978	122
July 1978	127
Aug. 1978	128
Jan. 21, 1979	150
Feb. 1979	133
Mar. 1979	128
Apr. 1979	108
May 1979	110
June 1979	110
July 1979	108
Aug. 1979	107

Well BH-65-61-508

Owner: City of Lake Jackson, well 4

Elevation: 18
Completion Interval: 303-328

Feb. 26, 1975	102.5
Apr. 28, 1975	113.5
May 28, 1975	110.1
July 28, 1975	113.5
Aug. 27, 1975	115.5
Oct. 28, 1975	113.5
Nov. 21, 1975	112.3
Dec. 29, 1975	115.5
Jan. 28, 1976	113.5
Feb. 2, 1976	109.5
Mar. 30, 1976	110.5
Apr. 24, 1976	112.5
May 28, 1976	113.5

Table 3.—Water Levels in Wells in Brazoria County—Continued

DATE	WATER LEVEL
Well BH-65-61-508—Continued	
June 28, 1976	116.1
July 28, 1976	114.9
Aug. 27, 1976	115.5
Sept. 28, 1976	117.5
Oct. 29, 1976	114.5
Nov. 29, 1976	112.5
Dec. 28, 1976	113.5
Jan. 1977	113.5
Feb. 1977	115.5
Mar. 1977	117.5
Apr. 1977	119.5
May 1977	122.5
June 1977	125.5
July 1977	126.5
Aug. 1977	125.5
Sept. 1977	119.5
Oct. 1977	121.5
Nov. 1977	123.5
Dec. 1977	122.5
Jan. 1978	120.5
Feb. 1978	122.5
Mar. 1978	120.5
Apr. 1978	119.5
May 1978	121.5
June 1978	124.5
July 1978	124.5
Aug. 1978	127.5
Jan. 21, 1979	127.5
Feb. 1979	125.5
Mar. 1979	125.5
Apr. 1979	110.5
May 1979	111.5
June 1979	113.5
July 1979	113.5
Aug. 1979	112.5

Well BH-65-61-509

Owner: City of Lake Jackson, well 7

Elevation: 18
Completion Interval: 302-327

Feb. 26, 1975	94.0
Apr. 28, 1975	100.0
May 28, 1975	99.0

DATE	WATER LEVEL
Well BH-65-61-509—Continued	
July 28, 1975	106.0
Aug. 27, 1975	109.4
Sept. 29, 1975	112.8
Oct. 28, 1975	107.0
Nov. 21, 1975	109.6
Dec. 29, 1975	108.0
Jan. 28, 1976	106.0
Feb. 2, 1976	110.0
Mar. 30, 1976	111.6
Apr. 24, 1976	114.0
May 28, 1976	110.0
June 28, 1976	114.0
July 28, 1976	116.0
Aug. 27, 1976	108.0
Sept. 28, 1976	110.0
Oct. 29, 1976	112.0
Nov. 29, 1976	110.0
Dec. 28, 1976	112.0
Jan. 1977	112
Feb. 1977	113
Mar. 1977	115
Apr. 1977	116
May 1977	120
June 1977	124
July 1977	126
Aug. 1977	122
Sept. 1977	120
Oct. 1977	124
Nov. 1977	124
Dec. 1977	123
Jan. 1978	120
Feb. 1978	122
Mar. 1978	120
Apr. 1978	116
May 1978	118
June 1978	120
July 1978	124
Aug. 1978	126
Jan. 21, 1979	108
Feb. 1979	116
Mar. 1979	118
Apr. 1979	114
May 1979	109

DATE	WATER LEVEL
Well BH-65-61-509—Continued	
June 1979	112
July 1979	114
Aug. 1979	116

Well BH-65-61-801

Owner: City of Lake Jackson, well 5

Elevation: 12
Completion Interval: 290-320

Feb. 26, 1975	96.2
Apr. 28, 1975	109.0
May 28, 1975	108.8
July 28, 1975	108.0
Aug. 27, 1975	108.8
Sept. 29, 1975	116.0
Oct. 28, 1975	106.0
Nov. 21, 1975	104.4
Dec. 29, 1975	105.0
Jan. 28, 1976	108.0
Feb. 2, 1976	108.8
Mar. 30, 1976	109.6
Apr. 24, 1976	111.6
May 28, 1976	113.0
June 28, 1976	117.0
July 28, 1976	116.0
Aug. 27, 1976	112.0
Sept. 28, 1976	114.0
Oct. 29, 1976	111.0
Nov. 29, 1976	111.0
Dec. 28, 1976	112.0
Jan. 1977	112
Feb. 1977	115
Mar. 1977	117
Apr. 1977	119
May 1977	122
June 1977	125
July 1977	126
Aug. 1977	125
Sept. 1977	121
Oct. 1977	121
Nov. 1977	123
Dec. 1977	121
Jan. 1978	122
Feb. 1978	124
Mar. 1978	124

Table 3.—Water Levels in Wells in Brazoria County—Continued

DATE		WATER LEVEL
Well BH-65-61-801—Continued		
Apr.	1978	121
May	1978	123
June	1978	127
July	1978	124
Aug.	1978	126
Jan.	21, 1979	126
Feb.	1979	126
Mar.	1979	126
Apr.	1979	105
May	1979	105
June	1979	108
July	1979	108
Aug.	1979	107

Well BH-65-61-802

Owner: City of Lake Jackson, well 6

Elevation: 12
Completion Interval: 290-325

Feb.	26, 1975	91.1
Apr.	28, 1975	105.6
May	28, 1975	103.0
July	28, 1975	109.0
Aug.	27, 1975	109.6
Sept.	29, 1975	108.4
Oct.	28, 1975	107.0
Nov.	21, 1975	102.3
Dec.	29, 1975	102.0
Jan.	28, 1976	103.0
Feb.	2, 1976	108.3
Mar.	30, 1976	109.0
Apr.	24, 1976	111.0
May	28, 1976	115.0
June	28, 1976	117.0
July	28, 1976	117.0
Aug.	27, 1976	108.0
Sept.	28, 1976	110.0
Oct.	29, 1976	112.0
Nov.	29, 1976	112.0
Dec.	28, 1976	114.0
Jan.	1977	114
Feb.	1977	117
Mar.	1977	119
Apr.	1977	120
May	1977	123

DATE		WATER LEVEL
Well BH-65-61-802—Continued		
June	1977	125
July	1977	126
Aug.	1977	126
Sept.	1977	122
Oct.	1977	124
Nov.	1977	125
Dec.	1977	123
Jan.	1978	123
Feb.	1978	124
Mar.	1978	123
Apr.	1978	119
May	1978	123
June	1978	127
July	1978	126
Aug.	1978	127
Jan.	21, 1979	127
Feb.	1979	127
Mar.	1979	128
Apr.	1979	107
May	1979	119
June	1979	107
July	1979	119
Aug.	1979	121

Well BH-65-61-806

Owner: Dow Chemical Company, TW-10

Elevation: 14
Completion Interval: 213-240

Jan.	1975	49.3
Feb.	1975	48.4
Mar.	1975	47.9
May	1975	47.8
June	1975	49.6
Aug.	1975	50.5
Sept.	1975	50.5
Oct.	1975	50.6
Nov.	2, 1975	49.6
Dec.	4, 1975	49.7
Jan.	1976	49.6
Feb.	1976	49.5
Mar.	1976	49.3
Apr.	1976	49.9
May	1976	50.0

DATE		WATER LEVEL
Well BH-65-61-806—Continued		
June	1976	51.8
July	1976	51.0
Aug.	1976	52.5
Sept.	1976	52.5
Oct.	1976	52.0
Nov.	1976	50.8
Dec.	1976	50.7
Jan.	1977	51.5
Feb.	1977	50.4
Mar.	1977	49.0
Apr.	1977	48.8
May	1977	48.7
June	1977	48.5
July	1977	51.2
Aug.	1977	51.5
Sept.	1977	51.4
Oct.	1977	50.9
Nov.	1977	50.3
Dec.	1977	49.5
Jan.	1978	50.2
Feb.	1978	49.5
Mar.	1978	49.0
Apr.	1978	49.1
May	1978	50.8
June	1978	49.6
July	1978	52.5
Aug.	1978	53
Sept.	1978	52.9
Oct.	1978	53.4

Well BH-65-61-809

Owner: City of Lake Jackson, well 8

Elevation: 14
Completion Interval: 303-329

Feb.	26, 1975	102.0
Apr.	28, 1975	107.4
May	28, 1975	106.2
July	28, 1975	112.0
Aug.	27, 1975	114.6
Sept.	29, 1975	110.6
Oct.	28, 1975	106.2
Nov.	21, 1975	122.6
Dec.	29, 1975	113.0
Jan.	28, 1976	107.1

Table 3.—Water Levels in Wells in Brazoria County—Continued

DATE	WATER LEVEL
Well BH-65-61-809—Continued	
Feb. 2, 1976	117.3
Mar. 30, 1976	115.5
Apr. 24, 1976	109.3
May 28, 1976	118.0
June 28, 1976	125.6
July 28, 1976	121.0
Aug. 27, 1976	116.0
Sept. 28, 1976	122.6
Oct. 29, 1976	116.0
Nov. 29, 1976	115.0
Dec. 28, 1976	117.0
Jan. 1977	115.0
Feb. 1977	124
Mar. 1977	122
Apr. 1977	123
May 1977	125
June 1977	127
July 1977	128
Aug. 1977	128
Sept. 1977	123
Oct. 1977	126
Nov. 1977	129
Dec. 1977	125
Jan. 1978	124
Feb. 1978	126
Mar. 1978	122
Apr. 1978	121
May 1978	128
June 1978	132
July 1978	130
Aug. 1978	129
Jan. 21, 1979	129
Feb. 1979	128
Mar. 1979	129
Apr. 1979	118
May 1979	116
June 1979	128
July 1979	126
Aug. 1979	128

DATE	WATER LEVEL
Well BH-65-61-810	
Owner: City of Lake Jackson, well 9	
Elevation: 14 Completion Interval: 303-325	
Feb. 26, 1975	100.0
Apr. 28, 1975	112.6
May 28, 1975	113.0
July 28, 1975	116.0
Aug. 27, 1975	117.8
Sept. 29, 1975	117.5
Oct. 28, 1975	104.6
Nov. 21, 1975	104.2
Dec. 29, 1975	110.0
Jan. 28, 1976	102.1
Feb. 2, 1976	109.6
Mar. 30, 1976	108.0
Apr. 24, 1976	115.0
May 28, 1976	119.6
June 28, 1976	127.0
July 28, 1976	120.0
Aug. 1976	118.0
Sept. 28, 1976	123.0
Oct. 29, 1976	114.6
Nov. 29, 1976	112.0
Dec. 28, 1976	116.0
Jan. 1977	121
Feb. 1977	116
Mar. 1977	117
Apr. 1977	123
May 1977	126
June 1977	128
July 1977	129
Aug. 1977	129
Sept. 1977	124
Oct. 1977	126
Nov. 1977	130
Dec. 1977	127
Jan. 1978	126
Feb. 1978	128
Mar. 1978	126
Apr. 1978	119
May 1978	130
June 1978	134
July 1978	131

DATE	WATER LEVEL
Well BH-65-61-810—Continued	
Aug. 1978	129
Jan. 21, 1979	129
Feb. 1979	129
Mar. 1979	130
Apr. 1979	123
May 1979	115
June 1979	118
July 1979	116
Aug. 1979	120
Well BH-81-04-202	
Owner: Holiday Shores	
Elevation: 13 Completion Interval: 468-505	
Jan. 22, 1975	32.30
Aug. 8, 1975	33.53
Jan. 22, 1976	34.11
Aug. 3, 1976	37.38
Jan. 10, 1977	35.88
Aug. 2, 1977	40.12
Mar. 6, 1978	38.45
Mar. 5, 1979	41.83
Aug. 8, 1979	40.65
Well BH-81-05-303	
Owner: Dow Chemical Company	
Elevation: 7 Completion Interval: 172-202	
Jan. 1975	59.5
Feb. 1975	59.3
Mar. 1975	58.9
May 1975	58.1
June 1975	58.2
Aug. 1975	58.9
Sept. 1975	57.8
Oct. 1975	59.0
Nov. 2, 1975	57.6
Dec. 4, 1975	58.2
Jan. 1976	57.8
Feb. 1976	57.8
Mar. 1976	57.3
Apr. 1976	56.8
May 1976	56.6
June 1976	56.2

Table 3.—Water Levels in Wells in Brazoria County—Continued

DATE		WATER LEVEL
Well BH-81-05-303—Continued		
July	1976	57.0
Aug.	1976	56.4
Sept.	1976	56.6
Oct.	1976	57.0
Nov.	1976	56.5
Dec.	1976	56.1
Jan.	1977	55.9
Feb.	1977	56.8
Mar.	1977	56.7
Apr.	1977	55.9
May	1977	55.5
June	1977	55.9
July	1977	57.5
Aug.	1977	55.6
Sept.	1977	55.8
Oct.	1977	56.1
Nov.	1977	56.0
Dec.	1977	55.4
Jan.	1978	56.0
Feb.	1978	55.3
Mar.	1978	55.4
Apr.	1978	55.2
May	1978	55.0
June	1978	56.0
July	1978	51.3
Aug.	1978	55.5
Sept.	1978	55.6
Oct.	1978	56.5
Nov.	1978	55.5
Dec.	1978	56.2
Jan.	1979	59.2
Feb.	1979	59.2
Mar.	1979	60.1
Apr.	1979	60.2
May	1979	59.7
June	1979	59.1
July	1979	58.9
Aug.	1979	58.4
Sept.	1979	58.0
Oct.	1979	57.8
Nov.	1979	57.5
Dec.	1979	56.8

DATE		WATER LEVEL
Well BH-81-05-305		
Owner: Dow Chemical Co., TW-9		
Elevation: 7 Completion Interval: 200-230		
Jan.	1975	66.0
Feb.	1975	66.0
Mar.	1975	68.2
Apr.	1975	63.0
June	1975	67.0
July	1975	66.6
Aug.	1975	67.1
Sept.	1975	70.0
Oct.	1975	69.6
Nov.	1975	69.0
Dec.	1975	67.4
Jan.	1976	68.2
Mar.	1976	67.9
Apr.	1976	67.0
May	1976	66.6
June	1976	69.0
July	1976	69.0
Aug.	1976	68.0
Sept.	1976	70.4
Oct.	1976	69.0
Nov.	1976	71.4
Dec.	1976	64.0
Jan.	1977	70.6
Feb.	1977	65.1
Mar.	1977	63.1
May	1977	66.5
June	1977	68.25
July	1977	68.3
Aug.	1977	68.0
Sept.	1977	70.0
Oct.	1977	69.9
Jan.	1978	33.0
Feb.	1978	50.6
Mar.	1978	50.9
May	1978	66.0
June	1978	50.0
July	1978	67.1
Aug.	1978	66.0
Sept.	1978	69.7
Oct.	1978	33.0

DATE		WATER LEVEL
Well BH-81-05-305—Continued		
Nov.	1978	67.2
Dec.	1978	67.0
Jan.	1979	45.0
Feb.	1979	68.0
Well BH-81-05-306		
Owner: Dow Chemical Co., TW-7		
Elevation: 8 Completion Interval: 190-223		
Jan.	1975	71.1
Feb.	1975	69.6
Mar.	1975	69.4
Apr.	1975	68.5
June	1975	68.4
July	1975	68.6
Aug.	1975	68.7
Sept.	1975	69.6
Oct.	1975	70.3
Nov.	1975	70.5
Dec.	1975	70.3
Jan.	1, 1976	69.5
Mar.	1976	69.3
Apr.	1976	68.5
May	1976	68.3
June	1976	68.3
July	1976	68.5
Aug.	1976	67.5
Sept.	1976	69.6
Oct.	1976	69.9
Nov.	1976	69.5
Dec.	1976	66.5
Jan.	1977	70.8
Feb.	1977	69.61
Mar.	1977	67.5
May	1977	68.60
June	1977	69.12
July	1977	69.2
Aug.	1977	65.6
Sept.	1977	69.7
Oct.	1977	69.7
Jan.	1978	70.6
Feb.	1978	70.5
Mar.	1978	68.86
May	1978	66.3

Table 3.—Water Levels in Wells in Brazoria County—Continued

DATE	WATER LEVEL
Well BH-81-05-306—Continued	
June 1978	69.8
July 1978	67.2
Aug. 1978	66.9
Sept. 1978	71.3
Oct. 1978	70.8
Nov. 1978	68.7
Dec. 1978	71.5
Jan. 1979	67.8
Feb. 1979	70.8
Mar. 1979	71.2
Well BH-81-05-320	
Owner: City of Freeport, well 12	
Elevation: 5 Completion Interval: 150-180	
Jan. 21, 1975	90.28
Jan. 10, 1977	50.53
Mar. 5, 1979	49.21
Well BH-81-05-601	
Owner: Dow Chemical Co., TW-17	
Elevation: 15 Completion Interval: 208-232	
Jan. 1975	147.8
Feb. 1975	147.1
Mar. 1975	147.5
May 1975	145.8
June 1975	149.3
Aug. 1975	141.6
Sept. 1975	140.9
Oct. 1975	138.8
Nov. 1975	134.5
Dec. 1975	128.7
Jan. 1976	129.9
Feb. 1976	129.6
Mar. 1976	123.2
Apr. 1976	118.2
May 1976	114.6
June 1976	120.3
July 1976	121.2
Aug. 1976	129.3
Sept. 1976	129.4
Oct. 1976	123.5
Nov. 1976	124.5
Dec. 1976	123.2

DATE	WATER LEVEL
Well BH-81-05-601—Continued	
Jan. 1977	124.1
Feb. 1977	116.3
Mar. 1977	112.4
Apr. 1977	115.0
May 1977	111.5
June 1977	113.7
July 1977	119.1
Aug. 1977	119.8
Sept. 1977	115.6
Oct. 1977	107.2
Nov. 1977	104.8
Dec. 1977	98.2
Jan. 1978	113.2
Feb. 1978	108.3
Mar. 1978	99.9
Apr. 1978	97.0
May 1978	107.5
June 1978	105.5
July 1978	113.0
Aug. 1978	117.2
Sept. 1978	123.4
Oct. 1978	125.0
Nov. 1978	121.5
Dec. 1978	122.3
Jan. 1979	118.1
Feb. 1979	113.3
Mar. 1979	111.3
Apr. 1979	112.1
May 1979	114.1
June 1979	116.5
July 1979	114.9
Aug. 1979	115.9
Sept. 1979	119.7
Oct. 1979	113.9
Nov. 1979	111.5
Dec. 1979	108.5
Well BH-81-05-602	
Owner: Dow Chemical Co., TW-13	
Elevation: 14 Completion Interval: 226-236	
Jan. 1975	155.1
Feb. 1975	154.2
Mar. 1975	154.8

DATE	WATER LEVEL
Well BH-81-05-602—Continued	
May 1975	149.7
June 1975	157.9
Aug. 1975	146.5
Sept. 1975	147.8
Oct. 1975	144.8
Nov. 1975	146.4
Dec. 4, 1975	134.6
Jan. 1976	137.1
Feb. 1976	135.8
Mar. 1976	128.9
Apr. 1976	123.5
May 1976	121.3
June 1976	127.0
July 1976	128.2
Aug. 1976	136.6
Sept. 1976	135.4
Oct. 1976	127.3
Nov. 1976	129.3
Dec. 1976	127.4
Jan. 1977	129.9
Feb. 1977	121.2
Mar. 1977	119.2
Apr. 1977	121.8
May 1977	111.0
June 1977	120.2
July 1977	124.8
Aug. 1977	125.2
Sept. 1977	121.8
Oct. 1977	111.4
Nov. 1977	112.1
Dec. 1977	102.0
Jan. 1978	120.9
Feb. 1978	110.8
Mar. 1978	102.3
Apr. 1978	101.8
May 1978	114.8
June 1978	111.5
July 1978	119.2
Aug. 1978	123.5
Sept. 1978	129.7
Oct. 1978	131.5
Nov. 1978	127.0
Dec. 1978	129.4

Table 3.—Water Levels in Wells in Brazoria County—Continued

DATE	WATER LEVEL
Well BH-81-05-602—Continued	
Jan. 1979	121.0
Feb. 1979	120.3
Mar. 1979	117.2
Apr. 1979	118.8
May 1979	120.1
June 1979	122.5
July 1979	121.7
Aug. 1979	122
Sept. 1979	127.4
Oct. 1979	119.3
Nov. 1979	116.7
Dec. 1979	113.5
Well BH-81-06-405	
Owner: City of Freeport, well 8	
Elevation: 5 Completion Interval: 205-245	
Jan. 21, 1975	139.32
Jan. 19, 1976	116.26
Well BH-81-06-406	
Owner: City of Freeport, well 6	
Elevation: 5 Completion Interval: 214-234	
Jan. 21, 1975	157.46
Jan. 19, 1976	132.95
Jan. 10, 1977	119.69
Well BH-81-06-407	
Owner: Dow Chemical Co., TW-6	
Elevation: 2 Completion Interval: 214-242	
Jan. 1975	138.0
Feb. 1975	136.2
Mar. 1975	137.2
May 1975	135.0
June 1975	140.5
Aug. 1975	132.4
Sept. 1975	130.5
Oct. 1975	128.6
Nov. 2, 1975	126.2
Dec. 4, 1975	119.2
Jan. 1976	127.3
Feb. 1976	119.9
Mar. 1976	112.6
Apr. 1976	110.8
Well BH-81-06-407—Continued	
May 1976	112.2
June 1976	111.1
July 1976	118.0
Aug. 1976	122.1
Sept. 1976	123.0
Oct. 1976	116.3
Nov. 1976	118.4
Dec. 1976	116.6
Jan. 1977	117.5
Feb. 1977	106.9
Mar. 1977	105.5
Apr. 1977	107.6
May 1977	105.2
June 1977	107.2
July 1977	111.2
Aug. 1977	108.4
Sept. 1977	105.1
Oct. 1977	103.3
Nov. 1977	97.5
Dec. 1977	95.2
Jan 1978	104.7
Feb. 1978	99.5
Mar. 1978	91.0
Apr. 1978	90.5
May 1978	100.7
June 1978	98.5
July 1978	107.6
Aug. 1978	110.1
Sept. 1978	115.1
Oct. 1978	116.4
Nov. 1978	112.9
Dec. 1978	114.8
Jan. 1979	109.4
Feb. 1979	105.0
Mar. 1979	105.4
Apr. 1979	104.1
May 1979	104.7
June 1979	104.9
July 1979	104.5
Aug. 1979	106.2
Sept. 1979	112.4
Oct. 1979	104.9
Nov. 1979	102.3
Dec. 1979	99.4
Well BH-81-06-408	
Owner: Dow Chemical Co., TW-76	
Elevation: 7 Completion Interval: 196-219	
Jan. 22, 1975	140.66
Aug. 6, 1975	142.07
Jan. 15, 1976	122.89
Jan. 7, 1977	117.78
Aug. 2, 1977	112.31
Mar. 6, 1978	100.95
Mar. 5, 1979	104.56
Aug. 7, 1979	109.02
Well BH-81-06-413	
Owner: Dow Chemical Co., TW-3	
Elevation: 5 Completion Interval: 218-248	
Jan. 1975	128.5
Feb. 1975	128.5
Mar. 1975	138.5
Apr. 1975	142.5
June 1975	144.3
July 1975	136.9
Aug. 1975	142.5
Sept. 1975	135.5
Oct. 1975	130.5
Nov. 1975	119.0
Dec. 1975	127.5
Jan. 1976	125.9
Feb. 1976	115.5
Mar. 1976	115.5
Apr. 1976	100.5
May 1976	115.5
June 1976	117.5
July 1976	130.5
Aug. 1976	127.5
Sept. 1976	122.4
Oct. 1976	110.5
Nov. 1976	111.5
Dec. 1976	120.5
Jan. 1977	119.5
Feb. 1977	102.5
Mar. 1977	106.5
Apr. 1977	115.5
May 1977	107.5
June 1977	91.5

Table 3.—Water Levels in Wells in Brazoria County—Continued

DATE		WATER LEVEL
Well BH-81-06-413—Continued		
July	1977	116.5
Aug.	1977	117.5
Sept.	1977	111.5
Oct.	1977	105.5
Nov.	1977	97.0
Dec.	1977	103.7
Jan.	1978	108.5
Feb.	1978	97.5
Mar.	1978	89.5
Apr.	1978	91.5
May	1978	102.5
June	1978	104.5
July	1978	103.5
Aug.	1978	107.5
Sept.	1978	118.0
Oct.	1978	103.5
Nov.	1978	67.5
Dec.	1978	99.5
Jan.	1979	109.5
Feb.	1979	102.5
Mar.	1979	101.5
Apr.	1979	89.5
May	1979	105.5
June	1979	105.5
July	1979	111.5
Aug.	1979	114.5
Sept.	1979	114.5
Oct.	1979	114.5
Nov.	1979	91.5

Well BH-81-06-505

Owner: Dow Chemical Co., TW-2

Elevation: 4
Completion Interval: 210-240

Jan.	1975	128.0
Feb.	1975	125.0
Mar.	1975	126.0
Apr.	1975	125.0
June	1975	128.2
July	1975	131.2
Aug.	1975	133.2
Sept.	1975	129.0
Oct.	1975	124.0
Nov.	1975	117.0

DATE		WATER LEVEL
Well BH-81-06-505—Continued		
Dec.	1975	123.0
Jan.	1976	122.1
Feb.	1976	101.0
Mar.	1976	97.0
Apr.	1976	97.0
May	1976	96.0
June	1976	105.0
July	1976	111.0
Aug.	1976	127.0
Sept.	1976	132.0
Oct.	1976	115.0
Nov.	1976	116.0
Dec.	1976	118.0
Jan.	1977	118.0
Feb.	1977	109.0
Mar.	1977	93.0
Apr.	1977	118.0
May	1977	93.0
June	1977	87.0
July	1977	118.0
Aug.	1977	97.0
Sept.	1977	119.0
Oct.	1977	89.0
Nov.	1977	98.0
Jan.	1978	100.0
Feb.	1978	90.0
Mar.	1978	90.0
Apr.	1978	85.0
May	1978	99.0
June	1978	107.8
July	1978	107.0
Aug.	1978	107.0
Sept.	1978	110.5
Oct.	1978	104.0
Nov.	1978	103.0
Dec.	1978	98.0
Jan.	1979	105.0
Feb.	1979	84.0
Mar.	1979	101.0
Apr.	1979	85.0
May	1979	94.0
June	1979	103.0

DATE		WATER LEVEL
Well BH-81-06-506		
Owner: Dow Chemical Co.		
Elevation: 8 Completion Interval: 198-244		
Jan.	1975	134.5
Feb.	1975	140.5
June	1975	127.9
July	1, 1975	132.1
Aug.	1975	139.3
Sept.	1975	138.5
Oct.	1975	122.5
Nov.	1975	123.5
Dec.	1975	119.5
Jan.	1976	124.1
Feb.	1976	102.5
Mar.	1976	103.5
Apr.	1976	98.5
May	1976	107.5
June	1976	112.5
July	1976	119.5
Aug.	1976	121.5
Sept.	1976	122.1
Oct.	1976	123.5
Nov.	1976	112.5
Dec.	1976	117.5
Jan.	1977	123.5
Feb.	1977	100.5
Mar.	1977	109.5
Apr.	1977	117.5
May	1977	97.5
July	1977	117.5
Aug.	1977	98.5
Sept.	1977	107.5
Oct.	1977	89.5
Nov.	1977	99.5
Dec.	1977	105.9
Jan.	1978	96.5
Feb.	1978	90.5
Mar.	1978	93.5
Apr.	1978	86.5
May	1978	101.5
June	1978	110.1
July	1978	105.5
Aug.	1978	108.5
Sept.	1978	101.5
Oct.	1978	98.5
Nov.	1978	95.5

Table 4.--Chemical Analyses of Water from Wells in Brazoria County

When no potassium (K) is reported, sodium and potassium are calculated and reported as sodium (Na)
Water-bearing unit: C, Chicot aquifer; CL, lower unit of Chicot aquifer; E, Evangeline aquifer

Well	Owner	Depth or producing interval (ft)	Water-bearing unit	Date	Dissolved silica (SiO_2) (mg/l)	Dissolved iron (Fe) (ug/l)	Dissolved manganese (Mn) (ug/l)	Dissolved calcium (Ca) (mg/l)	Dissolved magnesium (Mg) (mg/l)	Dissolved sodium (Na) (mg/l)	Dissolved potassium (K) (mg/l)	Bicarbonate (HCO_3) (mg/l)	Carbonate (CO_3) (mg/l)	Dissolved sulfate (SO_4) (mg/l)	Dissolved chloride (Cl) (mg/l)	Dissolved fluoride (F) (mg/l)	Dissolved nitrite plus nitrate (N) (mg/l)	Dissolved orthophosphorus (P) (mg/l)	Dissolved boron (B) (ug/l)	Dissolved solids (sum of constituents) (mg/l)	Hardness (Ca, Mg) (mg/l)	Percent sodium	Residual sodium carbonate (RSC)	Sodium adsorption ratio (SAR)	Specific conductance (micromhos at 25° C)	pH	Temperature (°C)
1/ BH-65-30-614	City of Pearland	630-1,050	E, CL	Oct. 7, 1975	13	60 3/	< 20 4/	9	2	332	--	605	0	0	171	2.3 5/	--	--	--	827	31	--	--	--	1,450	7.91	--
1/ 38-308	City of Alvin	546-666	C	May 9, 1975	14	170 3/	40 4/	18	4	221	--	359	0	0	173	1.0 5/	--	--	--	608	61	--	--	--	1,090	7.70	26
1/ 39-405	City of Alvin, Well 5	610-720	CL	Apr. 30, 1970	15	110 3/	--	18	5	282	--	343	0	1	281	--	--	--	--	771	66	--	--	--	1,390	8.09	25.5
1/ 43-707	Brazoria County FWSD No. 1	210-250	C	Apr. 18, 1978	18	160 3/	< 50 4/	67	18	255	--	425	0	0	318	.4 5/	--	--	--	885	241	--	--	--	1,560	7.52	--
1/ 44-607	Texas Department of Corrections	562-585	C, E	Mar. 7, 1975	14	180 3/	70 4/	38	7	147	--	244	0	0	172	.5 5/	--	--	--	498	124	--	--	--	908	7.40	--
2/ 53-510	City of Angleton	770-883	C	Mar. 31, 1978	--	50	0	9.6	1.5	208.4	--	322.1	4.8	0.0	150	.7	--	--	--	--	30	--	--	--	900	8.0	--
1/ 61-108	Texas Department of Corrections, No. 3	240-380	C	Oct. 30, 1978	18	430 3/	70 4/	88	30	217	--	476	0	29	280	.4 5/	--	--	--	896	343	--	--	--	1,320	7.41	--

1/ Analyzed by Edna Wood Laboratories.
2/ Analyzed by Pope Testing Laboratories, Inc.
3/ Total Iron (Fe).
4/ Total Manganese (Mn).
5/ Total Fluoride (F).

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

Water Levels : Reported water levels are given in feet; measured water levels given in feet and tenths
Method of Lift and Type of Power: E, electric; G, gasoline, butane, or diesel engine; Ng, natural gas; Sub, submersible; T, turbine. Number indicates horsepower.
Use of Water : D, domestic; Ind, industrial; Irr, irrigation; P, public supply
Water-bearing unit : C, Chicot aquifer; CU, Upper unit of Chicot aquifer; CL, Lower unit of Chicot aquifer; E, Evangeline aquifer

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water-bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Above (+) below land surface datum (ft)	Date of measurement			
JY-65-18-304	Cinco Ranch	Layne-Western Co., Inc.	1974	601	20 12	396 601	C, E	119	115	June 1974	--	Irr	Casing slotted from 635 to 868 feet. Reported yield 164 gal/min with 183 feet drawdown when drilled. Test hole drilled to 992 feet. 1/
19-509	Fort Bend County Municipal Utilities District 30	do	1979	878	16 10	625 878	E	95	167	Apr. 24, 1979	T, E	P	Casing slotted from 276 to 601 feet. Reported yield 2,513 gal/min with 33 feet drawdown when drilled.
602	Fort Bend County Municipal Utilities District 2	do	1978	979	18 12	546 979	E	86	201	Apr. 1978	T, E 200	P	Casing slotted from 546 to 969 feet. Reported yield 1,266 gal/min with 312 feet drawdown when drilled. 1/
* 807	Texas Department of Corrections	Layne-Texas Co.	1978	1,040	14 8	750 1,040	E	82	156	Sept. 22, 1978	T	D, Ind	106 feet of screen between 760 and 1,025 feet. Reported yield 521 gal/min with 32 feet drawdown when drilled. Test hole drilled to 1,221 feet. 1/
* 20-711	City of Sugarland	do	1975	1,665	20 12	920 1,665	E	81	239	Aug. 27. 1975	T, E	P	250 feet of screen between 920 and 1,650 feet. Reported yield 1,800 gal/min with 81 feet drawdown when drilled. Test hole drilled to 1,700 feet. 1/
901	Fort Bend County WC and ID, No. 2	do	1977	1,690	16 10	909 1,690	E	74	282	Jan. 5, 1978	T, E	P	239 feet of screen between 909 and 1,305 feet. Reported yield 1,266 gal/min with 69 feet drawdown when drilled. 1/
25-407	Heirs of Ivy Morrison	Layne-Western Co., Inc.	1974	934	20 12	397 934	C, E	117	70	Jan. 1975	T, E	Irr	Casing slotted from 277 to 934 feet. Reported yield 4,300 gal/min with 217 feet drawdown when drilled. 1/
605	do	do	1975	805	20 12	401 805	C, E	114	78	Oct. 2, 1975	T, E	Irr	Casing slotted from 230-805 feet. Reported yield 3,667 gal/min with 79 feet drawdown when drilled. 1/
606	do	do	1979	915	20 12	281 915	C	114	89	Feb. 15, 1979	T, Ng	Irr	554 feet of screen from 281 to 915 feet. Reported yield 2,409 gal/min with 126 feet drawdown when drilled. Test hole drilled to 1,004 feet. 1/
26-612	City of Richmond	do	1978	845	16 10	532 845	C	82	94	June 1978	T, E	P	Casing slotted from 543 to 835 feet. Reported yield 2,026 gal/min with 74 feet drawdown when drilled. Test hole drilled to 987 feet.
* 27-106	Pecan Grove Municipal Utilities District	Layne-Texas Co.	1978	1,410	18 12	735 1,410	E	84	165	June 27, 1978	T, E	P	236 feet of screen between 734 and 1,389 feet. Reported yield 1,500 gal/min with a drawdown of 77 feet when drilled. Test hole drilled to 1,520 feet. 1/
107	Pecan Grove Associates	G. S. Rhemann Water Well Service	1978	314	8 6	251 314	C	84	79	Aug. 28, 1978	Sub, E	Irr	53 feet of screen between 261 and 313 feet. Reported yield 26 gal/min. 1/
* 322	Texas Department of Corrections	Layne-Texas Co.	1975	407	16 6	308 407	C	77	89	Jan. 20, 1975	T, E	D	62 feet of screen between 321 and 395 feet. Reported yield 448 gal/min with a drawdown of 23 feet when drilled. 1/

See footnotes at end of table.

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

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water-bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Above (+) below land surface datum (ft)	Date of measurement			
* JY-65-27-504	Plantation Municipal Utilities District	Water Resources, Inc.	1978	809	16 10	561 809	C	81	114	June 15, 1978	T, E	P	Casing slotted from 509 to 799 feet. Reported yield 1,000 gal/min with drawdown of 45 feet when drilled. 1/
* 28-103	City of Cities	Layne-Texas Co.	1973	995	16 10	570 995	C, E	71	168	Jan. 22, 1974	T, E	P	215 feet of screen between 590 and 980 feet. Reported yield 1,218 gal/min with a drawdown of 64 feet when drilled.
* 207	Meadow Creek Municipal Utilities District	do	1974	1,130	14 8	685 1,130	CL, E	72	200	Dec. 18, 1974	T, E	P	200 feet of screen between 685 and 1,111 feet. Reported yield 818 gal/min with a drawdown of 49 feet when drilled. 1/
* 208	Quail Valley Utilities District, Well 3	do	1978	1,325	20 12	710 1,325	E	70	217	Apr. 10, 1978	T, E 350	P	370 feet of screen between 725 to 1,305 feet. Reported yield 2,411 gal/min with 110 feet drawdown when drilled. Test hole drilled to 1,500 feet. 1/
311	City of Houston Sims Bayou, Well 6	Texas Water Wells, Inc.	1974	1,200	24 14	658 1,200	E	67	218.48	Dec. 12, 1974	T, E 350	P	448 feet of screen from 656 to 1,152 feet. 2/
312	Blue Ridge West Municipal Utilities District, Hunter's Glen Subdivision	Water Resources, Inc.	1975	1,256	16 10	880 1,256	E	75	213	Mar. 28, 1975	T, E 200	P	194 feet of screen between 894 to 1,224 feet. Reported yield 1,461 gal/min with a drawdown of 73 feet when drilled.
406	Fort Bend County Municipal Utilities District, No. 12	Layne-Western Co., Inc.	1976	1,664	18 14	682 1,664	E	65	179	Sept. 1976	T, E 150	P	Screen from 689 to 1,652 feet. Reported yield 3,544 gal/min with a drawdown of 315 feet when drilled. Test hole drilled to 1,794 feet. 1/
* 507	Thunderbird Utilities District	Layne-Texas Co.	1976	1,167	14 8	897 1,167	E	65	205	Jan. 26, 1977	T, E 100	P	122 feet of screen from 1,007 to 1,150 feet. Reported yield 863 gal/min with a drawdown of 84 feet when drilled. Test hole drilled to 1,212 feet. 1/
508	Quail Valley Utility District, Well 1	Layne-Western Co., Inc.	1977	1,320	18 12	740 1,320	E	70	214	May 1978	T, E	P	374 feet of screen between 752 and 1,300 feet. Reported yield 1,500 gal/min with 273 feet drawdown when drilled. 1/
* 604	Thunderbird Utilities District; Thunderbird North Subdivision	Water Resources, Inc.	1975	1,308	14 8	610 1,308	CL, E	75	202	June 24, 1975	T, E 100	P	332 feet of screen from 626 to 1,299 feet. Reported yield 757 gal/min with 30 feet drawdown when drilled.
* 702	Glen R. Shultz	Almeda Water Well Service	1974	247	4 2	233 247	CL	65	68	May 16, 1975	--	D	Casing slotted from 236 to 246 feet. 1/
* 703	Lee M. Brawner	--	1973	300	--	--	CL	65	--	--	E	D	--
704	John B. Hasty	Ellis Water Well Drilling	1976	233	4	223	CL	65	62	Nov. 20, 1976	Sub, E	D	Casing slotted from 223 to 233 feet. 1/
* 705	Robert C. Newton	do	1976	237	4 2	227 237	CL	66	61	Feb. 8, 1976	Sub, E	D	Casing slotted from 227 to 237 feet. 1/
* 706	Mr. Newberne	do	1976	250	4	250	CL	64	64	Nov. 13, 1976	Sub, E	D	Casing slotted from 240 to 250 feet. 1/
* 707	Charles J. Shuman	do	1976	303	4	303	CL	60	66	Aug. 21, 1976	Sub, E	D	Casing slotted from 293 to 303 feet. 1/
* 708	Bill Cayan	do	1974	239	2	239	CL	62	65	Jan. 21, 1974	Sub, E	D	Casing slotted from 227 to 239 feet. 1/
* 709	Drake Williams	do	1976	303	4	303	CL	63	64	Apr. 15, 1976	Sub, E	D	Casing slotted from 293 to 303 feet. 1/
* 710	Peter Mellan	do	1976	242	4	242	CL	66	64	July 6, 1976	Sub, E	D	Casing slotted from 232 to 242 feet. 1/

See footnotes at end of table.

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

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water-bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Above (+) below land surface datum (ft)	Date of measurement			
* JY-65-28-711	Arthur Kennedy	Ellis Water Well Drilling	1976	243	4	243	CL	66	61	Feb. 11, 1976	Sub, E	D	Casing slotted from 233 to 243 feet. 1/
29-812	Bud Romine	Almeda Water Well Service	1974	173	8 4	136 173	C	70	14	May 10, 1974	Sub, E	P	29 feet of screen from 141 to 173 feet. Reported yield 300 gal/min when drilled. 1/
* 35-306	Houston Lighting and Power Co., Well 4	Layne-Texas Co.	1975	851	24 14	445 851	CL, E	70	120	Oct. 22, 1975	--	Ind	200 feet of screen from 460 to 832 feet. Reported yield 1,500 gal/min with 58 feet drawdown when drilled. 1/
* 307	Houston Lighting and Power Co., Well 6	do	1979	850	24 14	390 850	C	70	115	June 7, 1979	T, E	Ind	255 feet of screen from 400 to 835 feet. Reported yield 2,030 gal/min with 40 feet drawdown when drilled. 1/
717	Jefferson Lake Sulphur Co., Well 12	J. L. Dickson	1974	520	20	520	C	65	106	Mar. 5, 1974	Sub, E	Ind	Screen in interval 328 to 520 feet.
802	Texas Gulf Sulphur Co.	do	1974	520	20	520	C	65	107	do	T, E	Ind	Reported yield 1,081 gal/min with 34 feet drawdown. Test hole drilled to 648 feet. 1/
36-107	Virgle Boll	B. J. Swinehart Co.	1976	238	6 4	193 238	CL	60	52	July 1976	Sub, E	D	30 feet of screen from 195 to 240 feet. 1/
37-201	Continental Homes Co.	Almeda Water Well Service	1973	69	6 4	54 69	C	62	4	--	Sub, E	P	12 feet of screen between 56 and 68 feet. 1/
202	R. L. Cooper	Abner J. Joehlin	1978	40	2 1-1/2	20 40	CU	63	12	Aug. 5, 1978	J, E	D	Screen from 34 to 40 feet. 1/
42-308	C. A. Danklefs	Layne-Western Co., Inc.	1975	1,180	20 12	385 1,180	C, E	75	102	Sept. 2, 1975	T, E	Irr	Casing slotted from 343 to 1,180 feet. Reported yield 4,175 gal/min with drawdown of 70 feet when drilled.
66-24-301	Jim Skipton	Bussell and Son, Inc.	1974	156	6 4	123 156	E	117	22	July 12, 1974	Sub, E	D	Screen from 136 to 156 feet. 1/

* See Table 8 for Chemical Analyses of Water from Wells.
1/ See Table 6 for Drillers' Logs of Wells.
2/ See Table 7 for Water Levels in Wells.

Table 6.—Drillers' Logs of Wells in Fort Bend County

Well JY-65-18-304

Owner: Cinco Ranch

Driller: Layne-Western Co., Inc.

	THICKNESS (feet)	DEPTH (feet)
Surface clay	6	6
Sand	18	24
Clay	36	60
Gravel and sand	20	80
Clay	11	91
Sand	8	99
Clay	21	120
Sand	33	133
Clay	16	149
Sand	53	202
Clay	22	224
Sand rock	32	256
Clay	14	270
Sand	45	315
Clay	5	320
Sand	77	397
Clay	7	404
Sand and sand broken	20	424
Sand rock	35	459
Clay	11	470
Sand	7	477
Clay	18	495
Sand and rock	39	534
Clay	30	564
Shale, hard	4	568
Sand rock	33	601
Clay	44	645
Sand rock	5	650
Clay	51	701
Sand rock	34	734
Clay	6	741
Sand rock	89	830
Clay	71	901
Sand	5	906
Clay	30	936
Sand rock	31	967
Clay	5	972
Sand	9	981
Clay	11	992

Well JY-65-19-602

Owner: Fort Bend County Municipal Utilities District, No. 2

Driller: Layne-Western Co.

	THICKNESS (feet)	DEPTH (feet)
Surface	2	2
Missing	54	56
Sand and clay	48	104
Sand	95	199
Clay-strip-sand	122	321
Sand and rock	35	356
Clay	49	405
Sand	15	420
Clay	7	427
Sand	36	463
Clay	2	465
Sand	12	477
Clay-hard	23	500
Sand-rock	27	527
Clay-hard	7	534
Sand	140	674
Clay	10	684
Sand-rock break	110	794
Sand clay	100	894
Sand strips	13	907
Rock	2	909
Rock break-sand	27	936
Clay sand	23	959
Rocks	13	972
Clay	22	994

Well JY-65-19-807

Owner: Texas Department of Corrections

Driller: Layne-Texas Co.

Top soil	2	2
Clay, red	43	45
Coarse sand and gravel	140	185
Clay	113	298
Clay and sand streaks	86	384
Sand, coarse and gravel	157	541
Sand, coarse and gravel and clay lime streaks	86	627
Shale and sand streaks	46	673
Sand	59	732
Shale and sand streaks	18	750

Table 6.—Drillers' Logs of Wells in Fort Bend County—Continued

	THICKNESS (feet)	DEPTH (feet)
Well JY-65-19-807—Continued		
Sand	57	807
Shale and sand and gravel streaks	78	885
Sand	22	907
Shale and lime streaks	15	922
Shale and lime and sand	29	951
Sand and shale streaks	80	1,031
Shale and lime	7	1,038
Shale and sand streaks	10	1,048
Sand	10	1,058
Shale, sandy	13	1,071
Sand	66	1,137
Shale	3	1,140
Sand and shale streaks	81	1,221
Well JY-65-20-711		
Owner: City of Sugarland		
Driller: Layne-Texas Co.		
Clay	17	17
Sand	24	41
Sand and gravel	31	72
Clay	24	96
Sand and clay streaks	38	134
Clay	18	152
Sand and gravel	59	211
Shale	9	220
Sand	59	279
Shale	20	299
Shale, sandy	5	304
Shale	41	345
Shale, sandy and sand	23	368
Shale	16	384
Sand and sandy shale	22	406
Shale	24	430
Shale and shale, sandy	25	455
Sand and shale, sandy	20	475
Shale	26	501
Sand and shale, sandy	65	566
Shale	16	582
Sand	18	600
Shale	28	628
Sand and shale	14	642
Sand and shale breaks	22	664
Shale and sand streaks	18	682

	THICKNESS (feet)	DEPTH (feet)
Well JY-65-20-711—Continued		
Sand and sandy shale	19	701
Shale	14	715
Sand and shale streaks	30	745
Shale	41	786
Sand and sandy shale	12	798
Shale	18	816
Sand and sandy shale	42	858
Shale	10	868
Shale, sandy	15	883
Shale	20	903
Sand and sandy shale	38	941
Shale	11	952
Sand and sandy shale	19	971
Shale	4	975
Sand and shale	45	1,020
Sand	30	1,050
Shale	88	1,138
Sand and sandy shale	15	1,153
Shale and sandy shale	122	1,275
Sand and shale	44	1,319
Shale	11	1,330
Sand and sandy shale	97	1,427
Shale and sand streaks	44	1,471
Sand and shale streaks	29	1,500
Shale	6	1,506
Sand and shale streaks	40	1,546
Shale, sandy and sand	40	1,586
Shale, sandy and shale	37	1,623
Sand and sandy shale	33	1,656
Shale	18	1,674
Shale, hard	8	1,682
Shale	18	1,700
Well JY-65-20-901		
Owner: Fort Bend County WC and ID, No. 2		
Driller: Layne-Texas Co.		
Top soil	2	2
Sand and clay streaks	11	13
Clay, brown	6	19
Clay, sandy gray	4	23
Clay, brown and sand streaks	19	42
Clay, brown and gray	8	50
Clay, brown and gray with chalk streaks	10	60

Table 6.—Drillers' Logs of Wells in Fort Bend County—Continued

	THICKNESS (feet)	DEPTH (feet)
Well JY-65-20-901—Continued		
Clay, red and chalk streaks	108	168
Clay, gray and blue	37	205
Sand, coarse and shale streaks	41	246
Shale, sandy	64	310
Sand and shale streaks	10	320
Clay, gray and sand streaks	5	325
Shale, brown	56	381
Sand and shale streaks	25	406
Shale, soft brown and sand streaks	90	496
Sand and shale streaks	114	610
Shale, white and sand streaks	47	657
Clay, brown and sand streaks	89	746
Shale, dry and brown with sand streaks	75	821
Clay, soft gray	15	836
Shale, brown to gray with sand streaks	109	945
Sand and shale streaks	35	980
Shale and sand streaks	30	1,010
Shale, sandy	15	1,025
Sand and shale streaks	34	1,059
Shale and sand streaks	14	1,073
Sand and shale streaks	12	1,085
Shale and sand streaks	160	1,245
Shale, sandy	51	1,296
Sand	17	1,313
Shale and sand streaks	46	1,359
Sand and shale streaks	20	1,379
Sand	40	1,419
Sand and shale streaks	6	1,425
Shale and sand streaks	50	1,475
Sand and shale streaks	41	1,516
Shale and sand streaks	22	1,538
Sand	5	1,543
Sand and shale streaks	17	1,560
Shale and sand streaks	16	1,576
Sand and shale layers	24	1,600
Shale and sand streaks	27	1,627
Sand and shale streaks	51	1,678
Shale	22	1,700

	THICKNESS (feet)	DEPTH (feet)
Well JY-65-25-407		
Owner: Heirs of Ivy M. Morrison		
Driller: Layne-Western Co.		
Surface clay	30	30
Sand and gravel	24	54
Clay	5	59
Sand-rock	47	106
Gravel	7	113
Sand-rock-gravel	142	255
Clay	26	281
Sand	43	324
Clay	9	333
Clay-sand broken	6	339
Clay	7	346
Sand and rock	50	396
Clay	36	432
Sand and rock	10	442
Clay	10	452
Sand and rock	10	462
Clay	10	472
Sand rock	6	478
Shale-hard	16	494
Sand rock	7	501
Shale	21	522
Sand rock	14	536
Shale	9	545
Sand rock	22	567
Shale hard	20	587
Sand rock	26	613
Shale	6	619
Sand rock	16	635
Shale	9	644
Sand rock	59	703
Clay	19	722
Sand rock	11	733
Clay	49	782
Sand rock	13	795
Clay	10	805
Sand rock "hard"	16	821
Clay	37	858
Sand rock	34	892
Clay	2	894
Sand rock	40	934
Clay	6	940

Table 6.—Drillers' Logs of Wells in Fort Bend County—Continued

	THICKNESS (feet)	DEPTH (feet)
Well JY-65-25-605		
Owner: Heirs of Ivy Morrison		
Driller: Layne-Western Co.		
Surface clay	19	19
Sand	6	25
Clay	4	29
Sand-rock-gravel	55	84
Clay	52	136
Sand-gravel	75	211
Clay	4	215
Sand-rock	34	249
Shale	1	250
Sand-rock	45	295
Shale	5	300
Sand-rock	7	307
Shale	21	328
Sand-rock	2	330
Shale	5	335
Sand-rock	11	346
Sandy-shale	3	349
Sand-rock	33	382
Clay	3	385
Shale	20	405
Sand rock	51	456
Clay	13	469
Sand rock	36	505
Clay	58	563
Sand-rock	36	599
Clay	14	613
Sand-rock	14	627
Clay	24	651
Sand-rock	40	691
Shale-rock	16	707
Sand rock	42	749
Clay	28	777
Sand-rock	30	807
Bottom clay	93	900
Well JY-65-25-606		
Owner: Heirs of Ivy Morrison		
Driller: Layne-Western Co., Inc.		
Surface clay	35	35
Sand and gravel	177	212
Clay	9	221
Sand and gravel	15	236
Clay	20	256
Sand and gravel	14	270
Clay	11	281
Sand and gravel	33	314
Clay	23	337
Sand and rock	5	342
Clay	5	347
Sand and rock	57	404
Clay	11	415
Sand and rock	11	426
Clay	10	436
Sand and rock	32	468
Clay	21	489
Sand and rock	13	502
Clay	27	529
Sand and rock	14	543
Shale	10	562
Sand	3	565
Shale	3	568
Sand and rock	3	571
Shale	17	588
Sand and rock	13	601
Clay	54	655
Sand and rock	44	699
Clay	16	715
Sand and rock	43	758
Shale	26	784
Sand and rock	53	837
Clay	16	853
Sand and rock	59	912
Shale	58	970
Sand	23	993
Shale	11	1,004
Well JY-65-26-612		
Owner: City of Richmond		
Driller: Layne-Western Co.		
Clay	20	20
Sand	4	24
Clay	16	40
Sand and gravel	16	56
Clay	6	62

Table 6.—Drillers' Logs of Wells in Fort Bend County—Continued

	THICKNESS (feet)	DEPTH (feet)
Well JY-65-26-612—Continued		
Gravel	9	71
Clay	23	94
Sand and gravel	10	104
Clay	40	144
Sand and gravel	45	189
Clay	5	194
Sand and gravel	114	308
Shale	4	312
Sand and gravel	6	318
Shale	13	331
Gravel and sand	99	430
Clay	3	433
Sand, gravel and rock	7	440
Shale	21	461
Sand, gravel and rock	5	466
Shale	11	477
Sand and gravel	68	540
Clay	5	545
Sand and gravel	3	582
Sand and rock	307	839
Shale	18	857
Sand and rock	44	901
Clay	20	921
Sand	66	987
Clay	10	997
Well JY-65-27-106		
Owner: Pecan Grove Municipal Utilities District		
Driller: Layne-Texas Co.		
Clay	20	20
Sand and gravel	6	26
Sand	15	41
Boulder	2	43
Sand and boulder	6	49
Clay, red	13	62
Sand and clay streaks	29	91
Clay, red	14	105
Sand	25	130
Clay	28	158
Sand	9	167
Clay	21	188
Sand and clay breaks	62	250
Shale, sandy	47	297
Well JY-65-27-106—Continued		
Sand and gravel	6	303
Sand, gravel and shale breaks	44	347
Shale and sand streaks	55	402
Sand	6	408
Sand and streaks of gray shale	97	505
Gravel, hard	12	517
Shale, sticky	44	561
Sand, gravel and streaks of clay	78	619
Sand, clay breaks	21	640
Shale, hard with sand breaks	30	670
Shale and sandy breaks	35	705
Sand and shale breaks	120	825
Shale	15	840
Sand	34	874
Shale, brown	146	1,020
Sand	13	1,033
Shale	23	1,056
Shale, blue and sand layers	42	1,098
Shale, hard brown	10	1,118
Sand and shale breaks	55	1,163
Shale and sand layers	57	1,220
Sand	8	1,228
Shale	10	1,238
Shale and sand shale	21	1,259
Shale and sand (broken)	16	1,275
Shale	5	1,280
Sand and shale layers	82	1,362
Shale, hard brown	12	1,374
Sand	19	1,393
Shale, brown	13	1,406
Sand	25	1,431
Shale with sandy streaks	89	1,520
Well JY-65-27-107		
Owner: Pecan Grove Associates		
Driller: G. S. Rheman Water Well Service		
Gumbo, brown	14	14
Clay, tan sandy	26	40
Sand, silty and gravel	15	55
Clay, brown	25	80
Sand and gravel	8	88
Clay, reddish white	12	100
Sand and gravel	42	142

Table 6.—Drillers' Logs of Wells in Fort Bend County—Continued

	THICKNESS (feet)	DEPTH (feet)
Well JY-65-27-107—Continued		
Clay, brown	3	145
Sand, dirty and gravel	28	173
Clay, white	7	180
Sand, very fine	20	200
Clay, white	27	227
Clay and stone layers	24	251
Sand, coarse and gravel	27	278
Clay	4	282
Sand, coarse	14	296
Clay	4	300
Sand, coarse	13	313
Well JY-65-27-322		
Owner: Texas Department of Corrections		
Driller: Layne-Texas Co.		
Top soil	2	2
Clay with sandy streaks	39	41
Sand and gravel	18	59
Shale	16	75
Sand (broken)	5	80
Shale with sand streaks	50	130
Sand with shale streaks	20	150
Shale with sandy streaks	34	184
Sand and shale, sandy	20	204
Sand and shale, sandy	36	240
Sand and shale, sandy	26	266
Shale	16	282
Sand and shell	25	307
Sand and small gravel	28	335
Shale	10	345
Sand and small gravel	49	394
Shale	11	405
Well JY-65-27-504		
Owner: Plantation Municipal Utilities District		
Driller: Water Resources		
Missing	561	561
Shale	8	569
Sand, good	160	729
Shale	30	759
Sand, good	40	799
Shale	10	809

	THICKNESS (feet)	DEPTH (feet)
Well JY-65-28-207		
Owner: Meadow Creek Municipal Utilities District		
Driller: Layne-Texas Co.		
Top soil	5	5
Clay	20	25
Sand	30	55
Clay	40	95
Sand	25	120
Shale	89	209
Sand and shale streaks	21	230
Shale and few sand streaks	53	283
Shale	64	347
Shale and sand streaks	21	368
Shale	107	475
Shale and sand streaks	117	592
Sand	65	657
Shale and sand streaks	15	672
Sand	58	730
Shale	5	735
Sand and shale streaks	20	755
Shale and sand streaks	20	775
Sand	45	820
Sand and shale streaks	50	870
Sand	36	906
Sand and shale streaks with lime	48	954
Sand	31	985
Sand, shale and lime streaks	47	1,032
Sand	17	1,049
Shale	5	1,054
Sand and shale streaks	26	1,080
Shale	4	1,084
Sand with shale and lime streaks	33	1,117
Shale	18	1,135
Well JY-65-28-208		
Owner: Quail Valley Utilities District, well 3		
Driller: Layne-Texas Co.		
Top soil	3	3
Clay, sandy	38	41
Sand	65	106
Clay	13	119
Clay, sandy and sand	15	134
Clay	32	166

Table 6.—Drillers' Logs of Wells in Fort Bend County—Continued

	THICKNESS (feet)	DEPTH (feet)
Well JY-65-28-208—Continued		
Clay, sandy	10	176
Sand and sandy clay	48	224
Clay	62	286
Shale, sandy	4	290
Shale	10	300
Shale, sandy	40	340
Shale and sandy shale streaks	27	367
Shale, sandy	14	381
Sand	11	392
Shale	3	395
Sand and shale streaks	7	402
Shale	20	422
Sand and shale	30	452
Shale	12	464
Sand and sandy shale	26	490
Shale, sandy and sand streaks	47	537
Sand and sandy shale	33	570
Shale	53	623
Shale, sandy	5	628
Shale	19	647
Shale, sandy	32	679
Shale	13	692
Shale, sandy and sand streaks	62	754
Sand and sandy shale	56	810
Shale and sand layers	42	852
Sand, lime and shale	32	884
Sand, gravel and shale	41	925
Shale, sandy and sand streaks	76	1,001
Sand and shale streaks	11	1,012
Shale and sandy streaks	10	1,031
Sand and shale streaks	67	1,098
Shale and sand streaks	16	1,114
Sand and sandy shale	24	1,138
Shale and sand streaks	14	1,152
Sand and shale	43	1,195
Shale	18	1,213
Shale and sand layers	18	1,231
Shale	5	1,236
Shale and sand streaks	34	1,270
Shale, sandy	39	1,309
Sand and sandy shale	51	1,360
Shale	11	1,371
Shale, sandy and sand	28	1,399
Sand and shale streaks	27	1,426
Shale	26	1,452
Sand	35	1,487
Shale, sandy	13	1,500

Well JY-65-28-406

Owner: Ft. Bend County Municipal Utilities District, No. 12

Driller: Layne-Western Co.

Surface	3	3
Clay	36	39
Sand-clay	15	54
Gravel	115	169
Sand-gravel	39	208
Clay	10	227
Sand	95	322
Clay	5	327
Sand-rock	50	377
Clay	8	385
Sand-rock	23	408
Clay	12	420
Sand-rock	58	478
Clay	18	496
Sand-gravel, rocky	63	559
Sand	203	762
Clay	26	788
Sand-rock	132	920
Clay	30	950
Sand-clay	154	1,104
Clay	50	1,154
Sand-clay	70	1,224
Sand	50	1,274
Clay	29	1,303
Sand	102	1,405
Clay	15	1,420
Sand	32	1,452
Clay	31	1,483
Sand	22	1,505
Clay	52	1,557
Sand	110	1,667
Clay	44	1,711
Sand	54	1,765
Clay	29	1,794

Table 6.—Drillers' Logs of Wells in Fort Bend County—Continued

	THICKNESS (feet)	DEPTH (feet)
Well JY-65-28-507		
Owner: Thunderbird Utilities District		
Driller: Layne-Texas Co.		
Sand	15	15
Clay	25	40
Sand and clay streaks	150	190
Shale	35	225
Sand	20	245
Shale and sand streaks	115	360
Sand and shale streaks	16	376
Shale and sand streaks	34	410
Sand and sandy shale	70	480
Shale and sand streaks	55	535
Sand	10	545
Shale and sand streaks	88	633
Sand	35	668
Shale	17	685
Sand	47	232
Shale	14	756
Sand	28	784
Shale	11	795
Sand	33	828
Sand and shale streaks	53	881
Shale	31	912
Sand and shale streaks	20	932
Shale and sand streaks	28	960
Sand	80	1,040
Shale and sand streaks	40	1,080
Sand	10	1,090
Shale and sand streaks	60	1,150
Sand and shale streaks	62	1,212
Well JY-65-28-508		
Owner: Quail Valley Utility District, well 1		
Driller: Layne-Western Co., Inc.		
Clay	4	4
Sand, gravel and streaks	60	64
Clay, sandy	66	130
Clay	11	141
Sand	11	152
Clay	33	185
Sand	66	251
Clay	116	367
Well JY-65-28-508—Continued		
Sand	21	388
Clay	4	382
Sand	8	400
Clay	29	429
Sand	23	452
Clay	6	458
Sand	7	465
Clay	21	486
Sand	41	527
Clay	170	697
Sand	17	714
Sand, stone	1	715
Sand	14	729
Clay	22	751
Sand	15	766
Rock	3	769
Sand	4	773
Clay	19	792
Sand, gravel	206	998
Clay	4	1,002
Rock	3	1,005
Sand	155	1,160
Clay	8	1,168
Sand	30	1,198
Clay	17	1,215
Sand	93	1,308
Clay	5	1,313
Missing	7	1,320
Well JY-65-28-702		
Owner: Glen R. Shultz		
Driller: Almeda Water Well Service		
Soil	2	2
Clay, red	12	14
Sand and gravel	41	55
Clay, red to blue	44	99
Sand, brown to white	60	159
Sand, white	47	246
Clay	1	247

Table 6.—Drillers' Logs of Wells in Fort Bend County—Continued

	THICKNESS (feet)	DEPTH (feet)
Well JY-65-28-704		
Owner: John B. Hasty		
Driller: Ellis Water Well Drilling		
Top soil, reddish brown	5	5
Clay, red to gray	20	25
Strips of sand and clay, gray	45	70
Clay, red to gray	35	105
Sand, fair to gravel	35	140
Clay-red to gray	50	190
Sand, fair coarse	22	212
Clay, gray	2	214
Sand, very coarse to gravel	19	233
Well JY-65-28-705		
Owner: Robert C. Newton		
Driller: Ellis Water Well Drilling Co.		
Top soil, reddish brown	6	6
Clay-red to gray	24	30
Sand and gravel strips	50	80
Clay, red	70	100
Sand, fair coarse	50	150
Clay, red to gray	45	195
Sand, fair	17	212
Clay, grayish	3	215
Sand, extra coarse	22	237
Well JY-65-28-706		
Owner: Mr. Newberne		
Driller: Ellis Water Well Drilling Co.		
Top soil, reddish brown	6	6
Clay, red to gray mixed	19	25
Sand, coarse and gravel	45	70
Clay, red-gray mixed	50	120
Sand, coarse, strips	50	170
Clay, red-gray	20	190
Sand, fair coarse	30	220
Clay, gray, strips	10	230
Sand, very hard, coarse	20	250
Well JY-65-28-707		
Owner: Charles J. Shuman		
Driller: Ellis Water Well Drilling Co.		
Top soil-blackish brown	2	2
Soil, red sandy	4	6

	THICKNESS (feet)	DEPTH (feet)
Well JY-65-28-707—Continued		
Clay, red-gray	24	30
Sand, fair to gravel	50	80
Clay, red-gray	30	110
Sand and gravel strips	50	160
Clay-reddish gray	25	185
Sand, fair to coarse	30	215
Clay, gray	10	225
Sand and gravel strips	25	250
Clay, reddish gray	20	270
Sand, fair to very coarse	33	303
Well JY-65-28-708		
Owner: Bill Cayan		
Driller: Ellis Water Well Drilling Co.		
Top soil- brownish	5	5
Clays, red to gray, mixed	21	26
Sand, light brownish	9	35
Sand, quick	35	70
Clay, red to gray	42	112
Sand, fair coarse and gravel	36	148
Clay-red to gray	47	195
Sand, fair coarse	20	215
Clay, gray	5	220
Sand, coarse and gravel	48	268
Well JY-65-28-709		
Owner: Drake Williams		
Driller: Ellis Water Well Drilling		
Top soil brownish red	5	5
Clay-red to gray mixed	30	35
Sand and sand rocks, strips	55	90
Clay, red to gray	30	120
Sand and gravel, strips	40	160
Clay, red to gray	35	195
Sand and clay, strips	45	240
Clay-red to gray, sticky	38	278
Sand, very coarse and gravel	25	303
Well JY-65-28-710		
Owner: Peter Mellan		
Driller: Ellis Water Well Drilling		
Top soil, brownish red	5	5
Clay-red to gray	35	40
Sand and gravel strips	45	85

Table 6.—Drillers' Logs of Wells in Fort Bend County—Continued

	THICKNESS (feet)	DEPTH (feet)
Well JY-65-28-710—Continued		
Clay, red	25	110
Sand and gravel	45	155
Clay, red to gray	30	185
Sand, fair coarse	30	215
Clay, gray	10	225
Sand, good coarse	17	242
Well JY-65-28-711		
Owner: Arthur Kennedy		
Driller: Ellis Water Well Service		
Top soil-reddish brown	6	6
Clay-red to gray mixed	26	33
Sand and gravel, strips	57	90
Clay, red to gray	20	110
Sand and gravel strips	50	160
Clay, red-gray sticky	40	200
Sand, fair coarse	10	210
Clay, gray	11	221
Sand, very coarse and gravel	22	243
Well JY-65-29-812		
Owner: Bud Romine		
Driller: Almeda Water Well Service		
Fill and soil	6	5
Clay, gray to red	14	19
Sand, brown	10	29
Clay, blue	28	61
Sand, white	10	71
Clay, red	66	137
Sand, brown	14	151
Clay	2	153
Sand, white	19	172
Clay, red	1	172
Well JY-65-35-306		
Owner: Houston Lighting and Power Co., well 4		
Driller: Layne-Texas		
Clay	17	17
Sand	16	33
Clay	29	62
Sand	21	83
Clay	9	92
Sand	27	119

	THICKNESS (feet)	DEPTH (feet)
Well JY-65-35-306—Continued		
Clay	68	187
Sand	25	212
Shale, sandy and sand	25	237
Shale and sandy shale	47	284
Sand and shale streaks	14	298
Shale	21	319
Sand and sandy shale	7	326
Shale and sand streaks	45	371
Sand and sandy shale	32	403
Shale	17	420
Shale, sandy	9	429
Shale	5	434
Sand and shale streaks	78	512
Shale	7	519
Sand and shale	29	548
Sand	10	558
Sand and shale streaks	10	568
Shale	12	580
Sand and sandy shale	30	610
Shale	6	616
Sand and shale breaks	15	631
Shale	26	657
Sand and shale breaks	31	688
Shale and sand streaks	14	702
Sand and shale streaks	26	728
Sand and shale	18	746
Sand	15	761
Shale	4	765
Sand and shale	20	785
Shale	6	791
Sand and sandy shale	47	838
Shale and sand streaks	5	843
Sand and shale	6	849
Shale	2	851
Well JY-65-35-307		
Owner: Houston Lighting and Power, well 6		
Driller: Layne-Texas Co.		
Fill	2	2
Clay	6	8
Sand and gravel	114	122
Shale	10	132

Table 6.—Drillers' Logs of Wells in Fort Bend County—Continued

	THICKNESS (feet)	DEPTH (feet)
Well JY-65-35-307—Continued		
Sand	15	147
Shale	53	200
Sand	28	228
Shale and sand streaks	64	282
Sand	19	301
Shale	19	320
Sand	19	339
Shale	36	375
Sand	25	400
Sand, gravel and shale streaks	37	437
Sand	63	500
Shale	9	509
Sand, broken with shale	21	530
Shale	6	536
Sand	29	565
Shale	17	582
Sand, broken with shale	17	599
Shale	19	618
Sand	20	638
Shale	9	649
Sand	10	659
Shale	9	668
Sand	26	694
Shale	16	710
Sand	21	731
Shale	26	757
Sand	18	775
Shale	15	790
Sand	12	802
Sand, broken with shale	38	840
Shale	10	850
Well JY-65-35-802		
Owner: Texas Gulf Sulphur Co.		
Driller: J. L. Dickson		
Missing	156	156
Sand	31	187
Shale	45	232
Sand and gravel	64	296
Shale	15	311
Shale	9	320
Sand	69	389
Shale and sand strips	29	418
Sand with shale	22	440
Sand and gravel	46	486
Shale	7	493

	THICKNESS (feet)	DEPTH (feet)
Well JY-65-35-802—Continued		
Sand and gravel	21	514
Shale, sticky	21	535
Sand	5	540
Shale, sandy	26	566
Shale, sandy	20	586
Sand	42	628
Shale	20	648
Well JY-65-36-107		
Owner: Virgle Boll		
Driller: B. J. Swinehart Co.		
Clay	10	10
Sand and gravel	75	85
Clay	15	100
Sand	11	111
Clay	31	142
Sand	28	170
Clay	23	193
Sand	15	208
Clay	15	223
Sand	15	238
Well JY-65-37-201		
Owner: Continental Homes Co.		
Driller: Almeda Water Well Service		
Soil	2	2
Clay, gray to red	12	14
Sand, brown	25	39
Clay, blue	2	41
Sand, white	26	67
Clay	1	68
Well JY-65-37-202		
Owner: R. L. Cooper		
Driller: Abner J. Joehlin		
Soil, black	6	6
Clay, red	24	30
Missing	10	40
Well JY-66-24-301		
Owner: Jim Skipton		
Driller: Bussell and Son, Inc.		
Clay, red	3	3
Gravel	33	36
Clay	80	116
Sand	40	156

Table 7.— Water Levels in Wells in Fort Bend County
(feet below land surface)

DATE	WATER LEVEL
Well JY-65-09-906	
Owner: Don McMillian	
Elevation: 149	
Completion Interval: 83-575	
Feb. 25, 1975	106.72
Feb. 27, 1976	108.79
Mar. 7, 1977	108.19
Nov. 17, 1977	111.69
Mar. 10, 1978	108.68
Nov. 17, 1978	112.42
Mar. 15, 1979	116.16
Dec. 10, 1979	118.09
Well JY-65-10-702	
Owner: Don McMillian	
Elevation: 144	
Completion Interval: 176-346	
Feb. 25, 1975	107.82
Feb. 27, 1976	110.37
Mar. 7, 1977	109.27
Nov. 17, 1977	111.05
Mar. 10, 1978	109.61
Nov. 17, 1978	111.96
Dec. 10, 1979	113.76
Well JY-65-10-703	
Owner: P. V. Cook	
Elevation: 140	
Completion Interval: -170	
Feb. 25, 1975	106.22
Feb. 27, 1976	107.75
Mar. 4, 1977	107.89
Nov. 17, 1977	108.91
Mar. 10, 1978	108.22
Nov. 17, 1978	109.73
Feb. 14, 1979	109.89
Dec. 10, 1979	110.02
Well JY-65-17-201	
Owner: Richard Woods, well 3	
Elevation: 157	
Completion Interval: 100-335	
Mar. 11, 1975	99.42
Mar. 3, 1976	101.29
Feb. 28, 1977	100.66
Nov. 17, 1977	102.73
Mar. 14, 1978	101.16
Well JY-65-17-201—Continued	
Nov. 17, 1978	103.09
Feb. 26, 1979	103.64
Dec. 10, 1979	104.37
Well JY-65-17-204	
Owner: Richard Woods, well 2	
Elevation: 157	
Completion Interval: -330	
Mar. 11, 1975	102.11
Mar. 3, 1976	102.90
Feb. 28, 1977	103.64
Nov. 17, 1977	106.84
Mar. 14, 1978	104.17
Nov. 16, 1978	107.72
Feb. 26, 1979	105.64
Dec. 10, 1979	107.85
Well JY-65-17-404	
Owner: Southern Pacific Railroad Co.	
Elevation: 114	
Completion Interval: -1,100	
Jan. 16, 1975	64.39
Aug. 12, 1975	69.83
Jan. 19, 1976	68.39
Aug. 4, 1976	76.05
Jan. 12, 1977	67.79
Aug. 2, 1977	77.41
Mar. 1, 1979	71.35
Well JY-75-18-101	
Owner: C. C. Cardiff	
Elevation: 142	
Completion Interval: -818	
Feb. 25, 1975	106.22
Feb. 27, 1976	108.72
Mar. 7, 1977	108.72
Nov. 11, 1977	111.23
Mar. 14, 1978	107.60
Nov. 16, 1978	112.37
Feb. 8, 1979	112.60
Dec. 10,1979	112.98
Well JY-65-18-103	
Owner: C. C. Cardiff, well 2	
Elevation: 139	
Completion Interval: 137-624	
Feb. 25, 1975	108.06
Feb. 26, 1976	109.85
Mar. 7, 1977	108.25
Nov. 11, 1977	102.96
Mar. 14, 1978	97.72
Nov. 16, 1978	95.54
Feb. 8, 1979	95.30
Dec. 10, 1979	95.76
Well JY-65-18-202	
Owner: Cinco Ranch	
Elevation: 127	
Completion Interval: 100-534	
Feb. 25, 1975	102.32
Feb. 27, 1976	103.55
Mar. 7, 1977	103.95
Nov. 17, 1977	107.72
Mar. 14, 1978	104.72
Nov. 16, 1978	109.26
Feb. 8, 1979	109.61
Dec. 7, 1979	112.17
Well JY-65-18-602	
Owner: E. W. Gless	
Elevation: 103	
Completion Interval: 120-520	
Feb. 25, 1975	86.38
Mar. 3, 1976	87.54
Mar. 7, 1977	88.55
Nov. 17, 1977	93.43
Mar. 14, 1978	90.79
Nov. 16, 1978	94.56
Feb. 8, 1979	94.35
Dec. 7, 1979	94.79
Well JY-65-19-704	
Owner: Cinco Ranch	
Elevation: 101	
Completion Interval: 161-528	
Feb. 25, 1975	86.24
Mar. 3, 1976	86.76
Mar. 7, 1977	89.60
Nov. 23, 1977	95.05

Table 7.—Water Levels in Wells in Fort Bend County—Continued

DATE	WATER LEVEL
Well JY-65-19-704—Continued	
Mar. 14, 1978	91.82
Nov. 16, 1978	96.21
Feb. 8, 1979	95.57
Dec. 7, 1979	96.63
Well JY-65-25-203	
Owner: Duval Sulphur Co.	
Elevation: 115 Completion Interval: 151-276	
Mar. 17, 1978	46.14
Aug. 8, 1978	49.86
Feb. 21, 1979	46.12
Aug. 2, 1979	46.49
Well JY-65-25-301	
Owner: R. E. Smith Averill Ranch, well 2	
Elevation: 111 Completion Interval: 91-432	
Jan. 16, 1975	46.51
Jan. 13, 1976	52.29
Mar. 17, 1978	50.22
Mar. 1, 1979	51.98
Aug. 2, 1979	49.76
Well JY-65-25-302	
Owner: R. E. Smith Averill Ranch, well 1	
Elevation: 113 Completion Interval: 111-431	
Mar. 17, 1978	51.62
Mar. 1, 1979	51.68
Aug. 23, 1979	51.70
Well JY-65-27-302	
Owner: Fort Bend Utilities, well 8	
Elevation: 80 Completion Interval: 1,260-1,565	
May 3, 1975	213
Aug. 16, 1975	217
Feb. 6, 1976	218
June 12, 1976	217
Aug. 20, 1976	202
Dec. 7, 1976	207
Mar. 28, 1977	202
July 18, 1977	207

DATE	WATER LEVEL
Well JY-65-27-302—Continued	
Jan. 24, 1978	217
Aug. 19, 1978	232
Nov. 8, 1979	227
Well JY-65-27-303	
Owner: Fort Bend Utilities, well 9	
Elevation: 80 Completion Interval: 503-865	
May 3, 1975	145
Aug. 16, 1975	153
Feb. 6, 1976	153
June 12, 1976	163
Aug. 20, 1976	161
Dec. 7, 1976	160
Mar. 28, 1977	158
July 18, 1977	168
Jan. 24, 1978	123
Aug. 19, 1978	173
Nov. 8, 1979	178
Well JY-65-27-313	
Owner: Fort Bend Utilities, well 7	
Elevation: 77 Completion Interval: 501-721	
Aug. 16, 1975	155
Feb. 6, 1976	151
June 12, 1976	152
Aug. 20, 1976	161
Dec. 7, 1976	161
Mar. 28, 1977	157
July 18, 1977	169
Jan. 24, 1978	169
Aug. 19, 1978	174
Well JY-65-27-901	
Owner: A. E. Myers	
Elevation: 70 Completion Interval: 627-674	
Jan. 15, 1975	108.17
Aug. 8, 1975	114.42
Aug. 4, 1976	120.45

DATE	WATER LEVEL
Well JY-65-28-311	
Owner: City of Houston Sims Bayou, well 6	
Elevation: 67 Completion Interval: 656-1,182	
Feb. 4, 1975	215.18
Feb. 5, 1976	215.68
Feb. 4, 1977	220.49
Feb. 22, 1978	252.13
Jan. 23, 1979	267.54
Well JY-65-28-404	
Owner: Exxon Co.	
Elevation: 69 Completion Interval: 671-715	
Jan. 15, 1975	135.59
Aug. 8, 1975	140.72
Jan. 12, 1976	138.58
Well JY-65-28-501	
Owner: Exxon Co.	
Elevation: 67 Completion Interval: 426-446	
Jan. 15, 1975	137.8
Aug. 8, 1975	143.0
Jan. 12, 1976	146.0
Aug. 4, 1976	146.6
Jan. 12, 1977	145.2
Aug. 2, 1977	155.6
Mar. 16, 1978	156.64
Aug. 8, 1978	160.92
Feb. 21, 1979	166
Mar. 1, 1979	165.61
Aug. 6, 1979	166.96
Well JY-65-28-803	
Owner: Christianson and Matthews	
Elevation: 60 Completion Interval: -420	
Jan. 16, 1975	66.92
Jan. 12, 1976	68.46
Mar. 16, 1978	73.36
Mar. 1, 1979	75.85
Aug. 6, 1979	74.14

Table 7.—Water Levels in Wells in Fort Bend County—Continued

DATE	WATER LEVEL
Well JY-65-29-104	
Owner: City of Houston Mayfair Park	
Elevation: 65 Completion Interval: 735-895	
Jan. 16, 1975	218.20
Aug. 12, 1975	227.93
Jan. 12, 1976	231.96
Aug. 4, 1976	228.06
Aug. 6, 1979	276.52
Well JY-65-29-701	
Owner: Julia Tague	
Elevation: 65 Completion Interval: -459	
Jan. 16, 1975	87.45
Jan. 26, 1976	88.84
Aug. 4, 1976	89.34
Jan. 17, 1977	86.24
Aug. 3, 1977	90.22
Mar. 21, 1978	91.77
Aug. 9, 1978	95.13
Feb. 28, 1979	94.83
Aug. 6, 1979	97.00
Well JY-64-33-501	
Owner: Jack Wendt, well 4	
Elevation: 97 Completion Interval: 126-376	
Jan. 20, 1975	44.96
Jan. 19, 1976	44.83
Jan. 17, 1977	45.37
Mar. 20, 1978	46.14
Feb. 22, 1979	46.21
Aug. 23, 1979	52.10
Well JY-65-33-502	
Owner: Jack Wendt	
Elevation: 95 Completion Interval: -590	
Jan. 20, 1975	39.62
Jan. 14, 1976	40.00
Jan. 17, 1977	42.56
Mar. 20, 1978	40.73
Feb. 22, 1979	41.32
Aug. 23, 1979	43.99

DATE	WATER LEVEL
Well JY-65-33-503	
Owner: Jack Wendt, well 2	
Elevation: 95 Completion Interval: -240	
Jan. 20, 1975	44.26
Jan. 17, 1977	46.10
Mar. 20, 1978	46
Feb. 22, 1979	48
Well JY-65-33-504	
Owner: Jack Wendt, well 1	
Elevation: 95 Completion Interval: 112-397	
Jan. 20, 1975	42.91
Jan. 19, 1976	43.03
Jan. 17, 1977	43.42
Mar. 20, 1978	43.40
Feb. 22, 1979	43.48
Aug. 23, 1979	48.52
Well JY-65-33-509	
Owner: Jack Wendt	
Elevation: 96 Completion Interval: 120-623	
Mar. 20, 1978	45.40
Feb. 22, 1979	50.77
Aug. 2, 1979	52.15
Well JY-65-33-510	
Owner: Jack Wendt	
Elevation: 95 Completion Interval: 170-591	
Jan. 20, 1975	41.68
Jan. 14, 1976	37.10
Jan. 17, 1977	41.15
Mar. 20, 1978	39.48
Feb. 22, 1979	42.88
Aug. 2, 1979	46.77
Well JY-65-33-801	
Owner: Jack Wendt, well 3	
Elevation: 92 Completion Interval: 317-507	
Jan. 20, 1975	43.67
Jan. 19, 1976	43.39
Jan. 17, 1977	43.99
Mar. 20, 1978	44.07

DATE	WATER LEVEL
Well JY-65-33-801—Continued	
Feb. 22, 1979	44.75
Aug. 23, 1979	50.99
Well JY-65-34-604	
Owner: Walter Gless	
Elevation: 74 Completion Interval: 220-660	
Jan. 17, 1975	62.03
Jan. 14, 1976	64.67
Jan. 17, 1977	63.53
Mar. 20, 1978	64.29
Feb. 22, 1979	66.95
Aug. 3, 1979	82.94
Well JY-65-34-701	
Owner: City of Needville, well 1	
Elevation: 93 Completion Interval: 307-417	
Jan. 17, 1975	63.72
Jan. 14, 1976	68.79
Jan. 17, 1977	68.80
Mar. 21, 1978	64.71
Feb. 22, 1979	67.45
Aug. 2, 1979	76.60
Well JY-65-34-901	
Owner: Walter Gless	
Elevation: 73 Completion Interval: 85-636	
Jan. 20, 1975	45.18
Jan. 14, 1976	44.82
Jan. 17, 1977	42.98
Mar. 20, 1978	42.93
Feb. 22, 1979	44.05
Well JY-65-35-101	
Owner: Gulf Oil Corp.	
Elevation: 81 Completion Interval: -86	
Jan. 15, 1975	29.78
Aug. 8, 1975	30.45
Jan. 14, 1976	29.24
Aug. 4, 1976	30.89
Jan. 17, 1977	30.65
Aug. 3, 1977	31.75
Mar. 21, 1978	30.64

Table 7.—Water Levels in Wells in Fort Bend County—Continued

DATE	WATER LEVEL
Well JY-65-35-101—Continued	
Aug. 9, 1978	31.60
Feb. 28, 1979	30.95
Aug. 3, 1979	32.24
Well JY-65-35-102	
Owner: Gulf Oil Corp.	
Elevation: 81 Completion Interval: -180	
Jan. 15, 1975	26.13
Aug. 8, 1975	26.60
Jan. 14, 1976	26.99
Jan. 7, 1977	25.59
Aug. 3, 1977	26.97
Feb. 28, 1979	28.09
Aug. 3, 1979	28.12
Well JY-65-35-302	
Owner: Houston Light and Power W. A. Parrish Plant, well 1	
Elevation: 74 Completion Interval: 540-690	
Aug. 8, 1975	97
Dec. 5, 1975	99
Jan. 7, 1977	102
Feb. 18, 1977	103
Mar. 17, 1977	103.5
Apr. 22, 1977	100
May 20, 1977	100
June 17, 1977	103
July 8, 1977	105
Aug. 5, 1977	108
Sept. 9, 1977	108
Oct. 7, 1977	108.5
Dec. 9, 1977	108
Jan. 6, 1978	108
Mar. 3, 1978	107
May 12, 1978	108
July 28, 1978	112
Aug. 18, 1978	113

DATE	WATER LEVEL
Well JY-65-35-302—Continued	
Sept. 22, 1978	114
Oct. 6, 1978	114
Jan. 8, 1979	114
Well JY-65-35-303	
Owner: Houston Light and Power W. A. Parrish Plant, well 2	
Elevation: 72 Completion Interval: 457-720	
Aug. 8, 1975	99
Dec. 5, 1975	95
Jan. 7, 1977	99
Feb. 18, 1977	98
July 28, 1978	109
Aug. 18, 1978	111
Sept. 22, 1978	110
Oct. 6, 1978	110
Jan. 8, 1979	105
Well JY-65-35-304	
Owner: Houston Light and Power W. A. Parrish Plant, well 3	
Elevation: 70 Completion Interval: 453-836	
Aug. 8, 1975	102
Dec. 5, 1975	102
Jan. 7, 1977	105
Feb. 18, 1977	103
Mar. 17, 1977	103
Apr. 22, 1977	102
May 20, 1977	103
June 17, 1977	105
July 8, 1977	106
Aug. 5, 1977	110
Sept. 9, 1977	111
Oct. 7, 1977	111
Nov. 10, 1977	113
Jan. 6, 1978	110
Mar. 3, 1978	111

DATE	WATER LEVEL
Well JY-65-35-304—Continued	
May 12, 1978	111
July 28, 1978	115
Aug. 18, 1978	115
Sept. 22, 1978	117
Oct. 6, 1978	118
Jan. 8, 1979	118
Well JY-65-42-301	
Owner: C. A. Danklef	
Elevation: 77 Completion Interval: -545	
Jan. 17, 1975	21.43
Jan. 14, 1976	21.71
Jan. 12, 1977	21.56
Well JY-65-43-101	
Owner: C. A. Danklef	
Elevation: 76 Completion Interval: 275-1,195	
Jan. 17, 1975	72.97
Jan. 13, 1976	76.13
Jan. 12, 1977	79.47
Mar. 17, 1978	77.71
Feb. 22, 1979	84.78
Aug. 3, 1979	94.15
Well JY-65-43-602	
Owner: Unknown	
Elevation: 57 Completion Interval: -482	
Jan. 17, 1975	71.97
Aug. 8, 1975	94.10
Jan. 13, 1976	73.37
Aug. 4, 1976	91.63
Jan. 17, 1977	73.20
Aug. 3, 1977	96.82
Mar. 21, 1978	76.44
Aug. 9, 1978	95.75
Feb. 22, 1979	80.74
Aug. 6, 1979	93.57

Table 8.--Chemical Analyses of Water from Wells in Fort Bend County

When no potassium (K) is reported, sodium and potassium are calculated and reported as sodium (Na)
Water-bearing unit: C, Chicot aquifer; CL, lower unit of Chicot aquifer; E, Evangeline aquifer

Well	Owner	Depth or producing interval (ft)	Water-bearing unit	Date	Dissolved silica (SiO_2) (mg/l)	Dissolved iron (Fe) (ug/l)	Dissolved manganese (Mn) (ug/l)	Dissolved calcium (Ca) (mg/l)	Dissolved magnesium (Mg) (mg/l)	Dissolved sodium (Na) (mg/l)	Dissolved potassium (K) (mg/l)	Bicarbonate (HCO_3) (mg/l)	Carbonate (CO_3) (mg/l)	Dissolved sulfate (SO_4) (mg/l)	Dissolved chloride (Cl) (mg/l)	Dissolved fluoride (F) (mg/l)	Dissolved nitrite plus nitrate (N) (mg/l)	Dissolved orthophosphorus (P) (mg/l)	Dissolved boron (B) (ug/l)	Dissolved solids (sum of constituents (mg/l)	Hardness (Ca, Mg) (mg/l)	Percent sodium	Residual sodium carbonate (RSC)	Sodium adsorption ratio (SAR)	Specific conductance (micromhos at 25° C)	pH	Temperature (°C)
1/ JY-65-19-807	Texas Department of Corrections	760-1,025	E	Sept. 25, 1978	18	80 2/	50 3/	29	6	68	--	229	0	13	30	0.3 4/	--	--	--	277	97	--	--	--	433	7.94	--
1/ 20-711	City of Sugarland	920-1,650	E	Aug. 28, 1975	18	70 2/	20 3/	28	5	88	--	242	0	18	45	.6 4/	--	--	--	321	90	--	--	--	531	7.47	--
1/ 901	Fort Bend County Water Control and Improvement District No. 2	910-1,660	E	Jan. 18, 1978	22	50 2/	50 3/	33	6	61	--	235	0	7	28	.2 4/	--	--	--	273	107	--	--	--	472	7.97	--
1/ 27-106	Pecan Grove Municipal Utilities District	734-1,389	E	July 5, 1978	19	60 2/	50 3/	32	6	69	--	231	0	9	40	.4 4/	--	--	--	288	105	--	--	--	441	7.73	--
302	Fort Bend Utilities, Well 8	1,260-1,560	E	Feb. 10, 1975	--	--	--	--	--	--	--	256	0	17	62	--	--	--	--	--	--	--	--	--	621	7.7	30.0
302	do	1,260-1,560	E	Mar. 16, 1976	--	--	--	--	--	--	--	258	0	.0	60	--	--	--	--	--	--	--	--	--	622	7.9	--
302	do	1,260-1,560	E	Feb. 25, 1977	--	--	--	--	--	--	--	243	0	9.6	62	--	--	--	--	--	--	--	--	--	589	7.5	29.0
302	do	1,260-1,560	E	Mar. 1, 1979	--	--	--	--	--	--	--	250	0	18	49	--	--	--	--	--	--	--	--	--	589	7.7	29.0
303	Fort Bend Utilities, Well 9	503-865	E	Feb. 25, 1977	--	--	--	--	--	--	--	260	0	14	59	--	--	--	--	--	--	--	--	--	617	8.0	28.0
303	do	503-865	E	Mar. 1, 1979	--	--	--	--	--	--	--	240	0	12	62	--	--	--	--	--	--	--	--	--	535	7.3	26.0
313	Fort Bend Utilities, Well 7	501-721	E	May 16, 1978	--	--	--	--	--	--	--	240	0	8.0	71	--	--	--	--	--	--	--	--	--	623	7.3	--
1/ 322	Texas Department of Corrections	321-395	C	Jan. 22, 1975	20	90 2/	20 3/	83	11	31	--	264	0	0	72	.2 4/	--	--	--	347	252	--	--	--	610	7.30	25.5
6/ 504 6/	Plantation Municipal Utilities District	509-799	C	May 23, 1978	24	60	10	40	6.7	59	3.6	--	--	18	32	--	--	0.8	--	--	77	--	--	--	526	--	--
1/ 28-103 1/	City of Cities	580-980	C, E	May 25, 1974	22	150 2/	40 3/	59	11	42	--	253	0	15	44	.3 4/	--	--	--	317	192	--	--	--	600	7.48	--
1/ 207 1/	Meadowcreeks Municipal Utilities District	685-1,111	CL, E	Dec. 18, 1974	22	100 2/	20 3/	44	7	--	--	239	0	16	27	.3 4/	--	--	--	--	138	--	--	--	470	7.41	--
1/ 208 1/	Quail Valley Utilities District	725-1,305	E	Apr. 12, 1978	23	50 2/	50 3/	39	7	52	--	233	0	9	27	.3 4/	--	--	--	272	126	--	--	--	458	7.66	25.5
1/ 507 1/	Thunderbird Utilities District	1,007-1,150	E	Jan. 28, 1977	21	60 2/	20 3/	40	7	56	--	237	0	12	30	.4 4/	--	--	--	282	128	--	--	--	458	7.60	--
5/ 604 5/	Thunderbird Utilities District, Thunderbird, North Subdivision	626-1,299	CL, E	June 24, 1975	8	100	20	13.4	3.9	120.3	--	278.2	0	14.6	48	.7	--	--	--	345	49	--	--	--	600	8.05	27
7/ 702	Glen R. Shultz	236-246	CL	Dec. 16, 1976	20	100 2/	--	61	12	40	--	268	0	11	44	.3	--	--	--	320	202	--	--	--	536	8.1	--
7/ 703 7/	Lee M. Brawner	--	CL	Dec. 14, 1976	18	2,300 2/	--	47	9	39	--	232	0	< 4	33	.3	--	--	--	260	154	--	--	--	437	8.1	--
7/ 704 7/	John B. Hacty	223-233	CL	do	21	100 2/	--	90	11	47	--	283	0	4	93	.3	--	--	--	405	271	--	--	--	694	7.9	--
7/ 705 7/	Robert C. Newton	227-237	CL	do	23	100 2/	--	68	14	40	--	284	0	< 4	54	.3	--	--	--	339	227	--	--	--	573	8.2	--
7/ 706 7/	Mr. Newberne	240-250	CL	do	20	300 2/	--	65	13	38	--	259	0	11	52	.3	--	--	--	326	217	--	--	--	555	7.8	--

See footnotes at end of table.

Table 8.--Chemical Analyses of Water from Wells in Fort Bend County--Continued

Well	Owner	Depth or producing interval (Ft)	Water-bearing unit	Date	Dissolved silica (SiO_2) (mg/l)	Dissolved iron (Fe) (ug/l)	Dissolved manganese (Mn) (ug/l)	Dissolved calcium (Ca) (mg/l)	Dissolved magnesium (Mg) (mg/l)	Dissolved sodium (Na) (mg/l)	Dissolved potassium (K) (mg/l)	Bicarbonate (HCO_3) (mg/l)	Carbonate (CO_3) (mg/l)	Dissolved sulfate (SO_4) (mg/l)	Dissolved chloride (Cl) (mg/l)	Dissolved fluoride (F) (mg/l)	Dissolved nitrite plus nitrate (N) (mg/l)	Dissolved orthophosphorus (P) (mg/l)	Dissolved boron (B) (ug/l)	Dissolved solids (sum of constituents (mg/l)	Hardness (Ca, Mg) (mg/l)	Percent sodium	Residual sodium carbonate (RSC)	Sodium adsorption ratio (SAR)	Specific conductance (micromhos at 25°C)	pH	Temperature (°C)
7/ JY-65-28-707	Charles J. Shuman	293-303	CL	Dec. 14, 1976	25	200 2/	--	480	111	640	--	481	0	29	1,840	0.2	--	--	--	3,360	1,650	--	--	--	5,410	8.0	--
7/ 708	Bill Cayan	229-239	CL	do	21	1,300 2/	--	63	12	40	--	267	0	12	48	.3	< 0.4	--	--	327	206	--	--	--	550	8.0	--
7/ 709	Drake Williams	293-303	CL	do	20	200 2/	--	59	13	44	--	290	0	< 4	40	.4	< .4	--	--	319	201	--	--	--	535	8.2	--
7/ 710	Peter Mellan	232-242	CL	do	21	2,000 2/	--	343	72	132	--	346	0	5	810	.2	< .4	--	--	1,550	1,150	--	--	--	2,750	7.5	--
7/ 711	Arthur Kennedy	233-243	CL	do	21	100 2/	--	72	12	41	--	277	0	9	59	.3	< .4	--	--	350	230	--	--	--	585	8.2	--
29-104	City of Houston Mayfair Park	735-895	E	Mar. 19, 1976	--	--	--	--	--	--	--	255	0	14	63	--	--	--	--	--	--	--	--	--	626	7.5	26.0
104	do	735-895	E	May 16, 1978	--	--	--	--	--	--	--	260	0	13	66	--	--	--	--	--	--	--	--	--	640	7.4	--
104	do	735-895	E	June 28, 1979	--	--	--	--	--	--	--	260	0	--	--	--	--	--	--	--	--	--	--	--	640	7.5	27.0
1/ 35-306	Houston Lighting and Power Co. No.4	460-832	CL, E	Oct. 27, 1975	18	110 2/	30 3/	40	4	61	--	244	0	13	26	.3 4/	.6	--	--	282	116	--	--	--	470	7.45	23.5
1/ 307	Houston Lighting and Power Co.	400-838	C	June 15, 1979	22	90 2/	60 3/	45	7	51	--	251	0	12	24	.4 4/	< .1	--	--	285	141	--	--	--	478	7.48	--

1/ Analyzed by the Edna Wood Laboratories.
2/ Total iron (Fe).
3/ Total Manganese (Mn).
4/ Total Fluoride (F).
5/ Analyzed by the Curtis Laboratories.
6/ Analyzed by the Waste and Industrial Waste Laboratories, Inc.
7/ Analyzed by Texas Department of Health Resources Laboratories.

Table 9.--Records of Wells in Waller County

Water Levels : Reported water levels are given in feet; measured water levels given in feet and tenths
Method of Lift and Type of Power: Sub, submersible; T, turbine; E, electric. Number indicates horsepower
Use of Water : D, domestic; Irr, irrigation; P, public supply
Water-bearing unit : E, Evangeline aquifer

Well	Owner	Driller	Date completed	Depth of well (ft)	Casing		Water-bearing unit	Altitude of land surface (ft)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft)			Above (+) below land surface datum (ft)	Date of measurement			
YW-60-50-704	J. J. Eaves	R and R Water Wells	1973	111	4	111	E	260	35	May 19, 1973	Sub, E	D	Screen from 103 to 113 feet. 1/
* 57-402	City of Prairie View	Layne-Texas Co.	1977	645	10 6	510 645	E	274	171	May 15, 1977	T, E 60	P	90 feet of screen between 520 and 630 feet. Reported yield 360 gal/min with 52 feet drawdown when drilled. 1/
65-01-818	W. R. Bollinger	Leonard W. Mickelson	1974	962	20 16 12	436 764 962	E	193	104	Mar. 10, 1975	T, E	Irr	406 feet of slotted pipe between 436 to 962 feet. 1/
09-212	John Bollinger	do	1974	908	20 12	420 908	E	182	90	Nov. 1974	T, E	Irr	398 feet of slotted pipe from 174 to 900 feet. 1/
512	J. D. Woods	Katy Drilling Co.	1968	800	12 20	362 800	E	165	86	Feb. 14, 1968	T	Irr	520 feet of screen from 280 to 800 feet. Reported yield 2,565 gal/min with 94 feet drawdown when drilled. 1/
10-410	Minze Farms	Layne-Western Co., Inc.	1978	965	20 12	437 965	E	155	154	Mar. 29, 1978	T 275	Irr	728 feet of screen from 237 to 965 feet. Reported yield 2,539 gal/min with 87 feet drawdown when drilled. Test hole drilled to 1,000 feet. 1/

* See Table 12 for Chemical Analyses of Water from Wells.
1/ See Table 10 for Drillers' Logs of Wells.

Table 10.—Drillers' Logs of Wells in Waller County

	THICKNESS (feet)	DEPTH (feet)
Well YW-60-50-704		
Owner: J. J. Eaves		
Driller: R and R Water Wells		
Clay	18	18
Sand	10	28
Clay	10	38
Clay	13	51
Sand	60	111
Well YW-60-57-402		
Owner: City of Prairie View		
Driller: Layne-Texas Co.		
Sand and clay	65	65
Sand and gravel, streaks, small	35	100
Clay	15	115
Sand	4	119
Clay	27	146
Sand	29	175
Shale	53	228
Sand and streaks, hard	10	238
Shale	26	264
Sand and streaks, hard	32	296
Shale and shale, sandy	29	325
Sand with streaks, hard	6	331
Shale, streaks, sandy and sand	15	346
Shale	9	355
Shale, sandy streaks and sand	23	378
Shale, sandy	54	432
Shale, sandy and hard streaks	81	513
Sand	56	569
Shale	7	576
Sand	18	594
Shale	15	609
Sand, hard and shale streaks	15	624
Shale and shale, sandy	77	701
Well YW-65-01-818		
Owner: W. R. Bollinger		
Driller: Leonard W. Mickelson		
Soil and clay	20	20
Sand	25	45
Clay	10	55
Sand	21	76
Clay	6	82

	THICKNESS (feet)	DEPTH (feet)
Well YW-65-01-818—Continued		
Sand, rocky	25	107
Clay	6	113
Sand, rocky	25	138
Clay	31	169
Sand, rocky	63	232
Clay	15	247
Sand, rocky	47	294
Clay	30	324
Sand	10	334
Clay	27	361
Sand, rocky	23	384
Clay	15	399
Sand, rocky	31	430
Clay	21	451
Sand, rocky	10	461
Clay	21	482
Sand, rocky	46	528
Clay	6	535
Sand, rocky	10	545
Clay	6	551
Sand, rocky	36	587
Clay	26	613
Lime, rocky	17	630
Sand	15	645
Clay	10	655
Sand	38	693
Clay	15	708
Rocky, sand	58	766
Clay	10	776
Sand, rocky	36	812
Clay	6	818
Sand, rocky	6	824
Clay	35	859
Sand, rocky	15	874
Clay	17	891
Sand, rocky	15	906
Clay	13	919
Sand, rocky	40	959
Clay	10	969
Sand, rocky	16	985
Clay	17	1,002
Sand, rocky	4	1,006

Table 10.—Drillers' Logs of Wells in Waller County—Continued

	THICKNESS (feet)	DEPTH (feet)
Well YW-65-09-212		
Owner: John Bollinger		
Driller: Leonard W. Mickelson		
Soil and clay	26	26
Sand	4	30
Clay	31	61
Sand, rocky	24	85
Rock	12	97
Sand, rocky	54	151
Clay	14	165
Sand, rocky	15	180
Clay	32	212
Sand	16	228
Clay	20	248
Sand, rocky	52	300
Clay	22	322
Sand, rocky	85	407
Clay	14	421
Sand, rocky	31	452
Clay	16	468
Sand, rocky	70	546
Clay	63	609
Sand, rocky	15	624
Clay	12	636
Sand	15	651
Clay	36	687
Sand, rocky	16	703
Clay	10	713
Sand	6	719
Clay	21	740
Sand	5	745
Clay	6	751
Sand, rocky	30	781
Clay	16	797
Sand	6	803
Clay	10	813
Sand, rocky	15	828
Clay	15	843
Sand	17	860
Clay	10	870
Sand, rocky	35	905
Clay	7	912

	THICKNESS (feet)	DEPTH (feet)
Well YW-65-09-512		
Owner: J. D. Woods		
Driller: Katy Drilling Inc.		
Surface	43	43
Sand	28	71
Clay	9	80
Sand	45	125
Sand and rocks	120	245
Sand	90	335
Shale and sand strips	50	375
Sand	29	460
Sand, hard and rock	20	480
Sand, soft	20	500
Shale	45	545
Sand and clay	15	560
Clay, sticky	80	640
Clay and rock strips	3	643
Sand	57	700
Sand with hard strips	65	765
Clay	87	852
Well YW-65-10-410		
Owner: Minze Farms		
Driller: Layne-Western Co., Inc.		
Clay	14	14
Sand and gravel	8	22
Clay	46	68
Sand-gravel	33	101
Clay	8	109
Sand and gravel	70	179
Rock	4	183
Sand-rock	9	192
Clay	14	206
Sand-rock	17	223
Clay	11	234
Sand-rock	25	259
Clay	23	282
Sand	5	287
Clay	17	304
Sand	14	318
Rock	2	320
Sand	71	391
Clay	18	409
Sand-rock	97	506

Table 10.—Drillers' Logs of Wells in Waller County—Continued

	THICKNESS (feet)	DEPTH (feet)
Well YW-65-10-410—Continued		
Clay	26	532
Sand	15	547
Clay	18	565
Sand-rock	13	578
Clay	94	672
Sand-rock	44	716
Clay	98	814
Sand-rock	43	857
Clay	59	916
Sand-rock	18	934
Clay	13	947
Sand	18	965
Missing	31	996

Table 11.—Water Levels in Wells in Waller County
(feet below land surface)

DATE	WATER LEVEL
Well YW-60-57-508	
Owner: G. O. Vaught	
Elevation: 245	
Completion Interval: 30	
Feb. 13, 1975	2.15
June 11, 1975	2.07
Sept. 23, 1975	8.69
Dec. 30, 1975	14.75
Mar. 4, 1976	14.99
June 8, 1976	13.99
Sept. 15, 1976	16.44
Dec. 1, 1976	14.29
Feb. 11, 1977	1.16
May 31, 1977	12.23
Sept. 12, 1977	15.50
Feb. 13, 1978	8.91
May 31, 1978	15.13
Sept. 19, 1978	15.98
Jan. 15, 1979	1.87
June 14, 1979	5.80
Sept. 4, 1979	13.98
Well YW-65-01-501	
Owner: Lynn Hebert, well 2	
Elevation: 188	
Completion Interval: 120-842	
Feb. 27, 1975	63.65
Well YW-65-01-502	
Owner: Lynn Hebert, well 1	
Elevation: 202	
Completion Interval: 828	
Feb. 27, 1975	96.45
Mar. 2, 1976	98.12
Feb. 28, 1977	92.95
Dec. 2, 1977	108.59
Mar. 10, 1978	90.86
Nov. 15, 1978	106.01
Feb. 14, 1979	93.49
Dec. 6, 1979	94.71
Well YW-65-01-806	
Owner: R. Bollinger and Sons	
Elevation: 195	
Completion Interval: 260-903	
Mar. 10, 1975	78.5
Mar. 2, 1976	79.6

DATE	WATER LEVEL
Well YW-65-01-806—Continued	
Mar. 7, 1977	76.8
Nov. 10, 1977	77.39
Mar. 10, 1978	76.32
Nov. 15, 1978	77.88
Feb. 14, 1979	77.89
Dec. 6, 1979	77.91
Well YW-65-01-814	
Owner: G. P. Nelson	
Elevation: 191	
Completion Interval: 1,000	
Mar. 10, 1975	105.04
Mar. 2, 1976	108.11
Mar. 7, 1977	107.44
Nov. 10, 1977	144.74
Mar. 9, 1978	108.73
Nov. 15, 1978	116.26
Feb. 14, 1979	116.42
Dec. 6, 1979	116.61
Well YW-65-01-904	
Owner: A. E. Thompson	
Elevation: 184	
Completion Interval: 45-908	
Mar. 10, 1975	87.62
Mar. 2, 1976	89.57
Mar. 7, 1977	90.22
Nov. 10, 1977	107.59
Mar. 9, 1978	92.05
Nov. 14, 1978	109.34
Feb. 13, 1979	88.83
Dec. 6, 1979	90.76
Well YW-65-01-905	
Owner: Clyde Nelson	
Elevation: 187	
Completion Interval: 810	
Mar. 10, 1975	89.72
Mar. 2, 1976	66.79
Mar. 7, 1977	65.71
Nov. 10, 1977	66.52
Mar. 9, 1978	65.57
Nov. 14, 1978	67.43
Feb. 14, 1979	66.09
Dec. 6, 1979	67.31

DATE	WATER LEVEL
Well YW-65-09-204	
Owner: G. P. Nelson	
Elevation: 185	
Completion Interval: 200-839	
Mar. 10, 1975	104.93
Mar. 2, 1976	108.17
Feb. 28, 1977	108.11
Dec. 2, 1977	131.42
Mar. 10, 1978	108.24
Nov. 15, 1978	110.48
Feb. 7, 1979	117.78
Dec. 6, 1979	118.31
Well YW-65-09-213	
Owner: A. Robichaux	
Elevation: 180	
Completion Interval: 336-1,064	
Mar. 10, 1975	111.06
Mar. 5, 1976	114.80
Feb. 28, 1977	114.28
Dec. 2, 1977	138.31
Mar. 10, 1978	114.97
Nov. 15, 1978	122.35
Feb. 7, 1979	125.15
Dec. 6, 1979	126.39
Well YW-65-09-301	
Owner: L. E. Morrison	
Elevation: 175	
Completion Interval: 450	
Feb. 27, 1975	106.51
Mar. 2, 1976	106.54
Feb. 28, 1977	107.49
Nov. 10, 1977	114.34
Mar. 9, 1978	109.63
Nov. 14, 1978	115.75
Feb. 7, 1979	110.50
Dec. 6, 1979	111.01
Well YW-65-09-307	
Owner: T. B. Tucker	
Elevation: 176	
Completion Interval: 117-714	
Feb. 26, 1975	103.17
Feb. 28, 1977	104.05

Table 11.—Water Levels in Wells in Waller County—Continued

DATE	WATER LEVEL
Well YW-65-09-307—Continued	
Nov. 10, 1977	108.42
Feb. 7, 1979	106.84
Dec. 6, 1979	107.51
Well YW-65-09-509	
Owner: J. V. Cardiff and Sons	
Elevation: 167 Completion Interval: 170-842	
Mar. 10, 1975	109.24
Mar. 2, 1976	112.70
Feb. 28, 1977	113.91
Dec. 8, 1977	122.67
Mar. 14, 1978	109.47
Nov. 15, 1978	111.41
Feb. 7, 1979	113.67
Dec. 6, 1979	112.96
Well YW-65-09-605	
Owner: J. V. Cardiff and Sons	
Elevation: 165 Completion Interval: 136-623	
Mar. 10, 1975	106.84
Mar. 2, 1976	108.49
Feb. 28, 1977	109.08
Dec. 2, 1977	110.71
Mar. 10, 1978	108.86
Nov. 15, 1978	109.32
Mar. 15, 1979	116.80
Dec. 6, 1979	117.74
Well YW-65-09-616	
Owner: J. V. Cardiff and Sons	
Elevation: 167 Completion Interval: 1,074	
Mar. 10, 1975	125.06
Mar. 2, 1976	132.67
Well YW-65-09-616—Continued	
Feb. 28, 1977	132.02
Dec. 8, 1977	155.71
Mar. 14, 1978	135.49
Nov. 15, 1978	136.92
Mar. 15, 1979	140.45
Dec. 6, 1979	142.37
Well YW-66-08-603	
Owner: W. A. Bollinger	
Elevation: 176 Completion Interval: 1,404	
Feb. 27, 1975	58.41
Mar. 5, 1976	60.80
Nov. 15, 1978	61.16
Feb. 16, 1979	60.77
Dec. 6, 1979	61.07

Table 12.--Chemical Analyses of Water from Wells in Waller County

When no potassium (K) is reported, sodium and potassium are calculated and reported as sodium (Na)
Water-bearing unit: E, Evangeline aquifer

Well	Owner	Depth or producing interval (ft)	Water-bearing unit	Date	Dissolved silica (SiO_2) (mg/l)	Dissolved iron (Fe) (ug/l)	Dissolved manganese (Mn) (ug/l)	Dissolved calcium (Ca) (mg/l)	Dissolved magnesium (Mg) (mg/l)	Dissolved sodium (Na) (mg/l)	Dissolved potassium (K) (mg/l)	Bicarbonate (HCO_3) (mg/l)	Carbonate (CO_3) (mg/l)	Dissolved sulfate (SO_4) (mg/l)	Dissolved chloride (Cl) (mg/l)	Dissolved fluoride (F) (mg/l)	Dissolved nitrite plus nitrate (N) (mg/l)	Dissolved orthophosphorus (P) (mg/l)	Dissolved boron (B) (ug/l)	Dissolved solids (sum of constituents (mg/l)	Hardness (Ca, Mg) (mg/l)	Percent sodium	Residual sodium carbonate (RSC)	Sodium adsorption ratio (SAR)	Specific conductance (micromhos at 25° C)	pH	Temperature (°C)
1/ YW-60-57-402	City of Prairie View	515-630	E	June 3, 1977	14	70 2/	20 3/	30	7	124	--	339	0	5	65	0.4 4/	--	--	--	412	104	--	--	--	676	7.75	25.0

1/ Analyzed by Edna Wood Laboratories.
2/ Total iron (Fe).
3/ Total manganese (Mn).
4/ Total Fluoride (F).