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TEXAS
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Report 202

*RECORDS OF WELLS, DRILLERS' LOGS,
WATER-LEVEL MEASUREMENTS,
AND CHEMICAL ANALYSES
OF GROUND WATER IN CHAMBERS,
LIBERTY, AND MONTGOMERY
COUNTIES, TEXAS, 1966-74*

March 1976

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TEXAS WATER DEVELOPMENT BOARD

REPORT 202

**RECORDS OF WELLS, DRILLERS' LOGS, WATER-LEVEL
MEASUREMENTS, AND CHEMICAL ANALYSES OF
GROUND WATER IN CHAMBERS, LIBERTY, AND
MONTGOMERY COUNTIES, TEXAS, 1966-74**

By

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United States Geological Survey

This report was prepared by the U.S. Geological Survey
under cooperative agreement with the
Texas Water Development Board

March 1976

TEXAS WATER DEVELOPMENT BOARD

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RECORDS OF WELLS, DRILLERS' LOGS, WATER-LEVEL MEASUREMENTS, AND CHEMICAL ANALYSES OF GROUND WATER IN CHAMBERS, LIBERTY, AND MONTGOMERY COUNTIES, TEXAS, 1966-74

INTRODUCTION

Reports describing the ground-water resources of Chambers, Liberty, and Montgomery Counties were prepared and published in 1971, 1968, and 1971, respectively. Wesselman and Aronow (1971), in describing the resources of Chambers County, tabulated records of wells, drillers' logs, water-level measurements, and chemical analyses gathered during the course of their study.

This report presents data collected since the investigation by Wesselman and Aronow (1971) and updates records tabulated by Anders and others (1968) in Liberty County, and by Popkin (1971) in Montgomery County. These records are being collected in cooperation with the Texas Water Development Board to evaluate the ground-water resources of the greater Houston-Galveston region.

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 nitrite plus nitrate (N), dissolved orthophosphorous (P), dissolved solids (sum of constituents), hardness (Ca, Mg), percent sodium, residual sodium carbonate (RSC), and sodium adsorption ratio (SAR) were recalculated from commercial analyses to correspond to the U.S. Geological Survey reporting methods.

The English 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
gallons per minute	.06309	liters per second
inches	2.54	centimeters

WELL-NUMBERING SYSTEM

The well-numbering system used in this report was devised by the Texas Water Development Board 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 60, 61, 64, and 65.

In addition to the seven-digit well number, a two-letter prefix is used to identify the county. The prefix for Chambers County is DH; for Liberty County, SB; and for Montgomery County, TS.

REFERENCES CITED

Anders, R. B., McAdoo, G. D., and Alexander, W. H., Jr., 1968, Ground-water resources of Liberty County, Texas: Texas Water Devel. Board Rept. 72, 154 p., 20 figs.

Wesselman, J. B.; and Aronow, Saul, 1971, Ground-water resources of Chambers and Jefferson Counties, Texas: Texas Water Devel. Board Rept. 133, 138 p., 28 figs.

Popkin, B. P., 1971, Ground-water resources of Montgomery County, Texas: Texas Water Devel. Board Rept. 136, 149 p., 29 figs.

Table 1.--Records of Wells in Chambers 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; Sub, submersible; T, turbine; W, wind; N, none. Number indicates horsepower.
 Use of water : D, domestic; Ind, industrial; P, public supply; S, livestock; N, none.
 Water-bearing units : C, Chicot aquifer; CU, upper unit of Chicot aquifer; CL, lower unit of Chicot aquifer; E, Evangeline aquifer.

No.	Owner	Driller	Date completed	Depth of well (ft.)	Casing		Water-bearing unit	Altitude of land surface (ft.)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft.)			Above (+) or below land surface datum (ft.)	Date of measurement			
DH-64-02-805	Dodson	A&L Pump and Well Service	1972	325	4 2 1/2	294 325	CL	25	60	May 2, 1972	Sub,E 1	D	Screen from 315 to 325 feet. <u>1/</u>
806	B. Pace	do.	1972	315	4 2 1/2	294 315	CL	25	60	May 1, 1972	Sub,E 1	D	Screen from 305 to 315 feet. <u>1/</u>
# 09-207	Warren Petroleum Corp., Well 2	Layne-Texas Co.	1967	1,497	16 10	1,062 1,497	E	31	160	Dec. 5, 1967	T,E	Ind	151 feet of screen between 1,075 and 1,480 feet. Reported yield 1,018 gal/min with 128 feet drawdown when drilled. <u>1/</u>
# 335	Warren Petroleum Corp., Well 3	do.	1970	960	16 10	675 960	E	29	169 156.8	Aug. 17, 1970 Oct. 11, 1972	T,E 150	Ind	120 feet of screen between 685 and 948 feet. Reported yield 709 gal/min with 93 feet drawdown when drilled. <u>1/</u>
# 336	City of Mont Belvieu, Cherry Point Ranchettes	do.	1971	450	6 4	400 450	CL	40	112	Nov. 11, 1971	Sub,E 5	P	Screen from 406 to 447 feet. Reported yield 64 gal/min with 79 feet drawdown when drilled. <u>1/</u>
617	Bill Wallace	A&L Pump and Well Service	1969	351	4 2 1/2	325 351	C	31	140	Jan. 15, 1969	Sub,E 5	P	Screen from 331 to 351 feet. <u>1/</u>
618	Continental Oil Co.	Lowry Water Wells	1968	138	4 2 1/2	-- 138	C	30	36	Feb. 1, 1968	Sub,E 1	Ind	Screen from 123 to 133 feet. Supplies service station.
# 811	Houston Lighting & Power, Cedar Bayou Plant, Well 1	Layne-Texas Co.	1967	402	24 18 12	22 315 402	CL	10	120 147.7	Oct. 10, 1967 Mar. 26, 1971	T,E 125	Ind	70 feet of screen between 324 and 394 feet. Reported yield 1,000 gal/min with 55 feet drawdown when drilled. <u>2/</u>
# 812	Houston Lighting & Power, Cedar Bayou Plant, Well 2	do.	1967	409	24 18 12	24 342 409	CL	17	120	Nov. 18, 1967	Sub,E 75	Ind	48 feet of screen between 352 and 400 feet. Reported yield 650 gal/min with 43 feet drawdown when drilled. <u>2/</u>
# 921	Houston Lighting & Power, Cedar Bayou Plant, Well 3	do.	1967	403	24 18 12	22 328 403	CL	24	119 135.3	Dec. 20, 1967 Mar. 26, 1971	Sub,E 75	Ind	56 feet of screen between 335 and 391 feet. Reported yield 650 gal/min with 41 feet drawdown when drilled. <u>2/</u>
922	Clyde Maley	A&L Pump and Well Service	1969	340	4 2 1/2	315 340	CL	11	126	Sept. 3, 1969	Sub,E	D	Screen from 300 to 315 feet. <u>1/</u>
923	Anahuac Towing & Shell	Franklin Well Service Co.	1973	144	4	144	CU	24	16	Aug. 20, 1973	Sub,E 1 1/2	Ind	Screen from 134 to 144 feet. <u>1/</u>
10-111	Theo Wilborn	do.	1972	320	4 2 1/2	285 320	C	42	85	Feb. 23, 1972	Sub,E	D	Screen from 310 to 320 feet. <u>1/</u>
# 112	Barber's Hill School	Layne-Texas Co.	1967	495	8 4	430 495	CL	34	206	Mar. 30, 1967	T,E	P	Screen from 439 to 480 feet. Reported yield 112 gal/min with 6 feet drawdown. <u>1/</u>
412	P. R. Harrington	O'Day Drilling Co.	1969	510	4 2 1/2	488 510	CL	21	86	Mar. 14, 1969	Sub,E 5	P	Screen from 490 to 510 feet. Reported yield 120 gal/min. Supplies mobile home park. <u>1/</u>

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 1.--Records of Wells in Chambers County--Continued

No.	Owner	Driller	Date completed	Depth of well (ft.)	Casing		Water-bearing unit	Altitude of land surface (ft.)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft.)			Above (+) or below land surface datum (ft.)	Date of measurement			
DH-64-10-413	Lonnie Fisher	Noack Drilling Co.	1966	580	4 3	480 500	CL	25	90 111.5	Apr. 28, 1966 Oct. 12, 1972	Sub,E 1	D	Screen from 480 to 500 feet. <u>1/</u>
712	General Telephone	Lowry Water Wells	1971	168	4 2 1/2	158 168	CU	36	38	July 13, 1971	Sub,E	D	Screen from 159 to 164 feet. <u>1/</u>
11-208	Mr. Biggs	Franklin Well Service Co.	1972	152	4	152	CU	20	12	Oct. 6, 1972	Sub,E 1	D	Screen from 142 to 152 feet. <u>1/</u>
308	White Memorial Park	do.	1968	142	4	142	CU	22	20 24.1	Mar. 8, 1968 Oct. 11, 1972	Sub,E 1 1/2	P	Screen from 132 to 142 feet. Supplies county park. <u>1/</u>
309	Texaco, Inc.	B&L Water Well Service	1969	141	4	141	CU	26	20 22.5	Aug. 1969 Oct. 11, 1972	Sub,E 1 1/2	Ind	Screen from 130 to 141 feet. Supplies service station. <u>1/</u>
310	do.	do.	1969	331	4	331	CU	27	31 24.5	Aug. 1969 Oct. 11, 1972	Sub,E 1 1/2	Ind	Screen from 320 to 331 feet. Supplies service station. <u>1/</u>
403	Corps of Engineers	Franklin Well Service Co.	1972	346	4 2	42 346	CL	4	36 29.0	Feb. 29, 1972 Oct. 11, 1972	--	D	Screen from 336 to 346 feet. <u>1/</u>
13-306	Trinity Bay Conservation District, Well 3	Layne-Texas Co.	1974	240	16 10	-- 240	CU	27	46	Mar. 1974	--	P	50 feet of screen between 130 and 199 feet. Reported yield 254 gal/min with 30 feet drawdown when drilled.
307	Harry Chase	Franklin Well Service Co.	1974	170	4	170	C	30	52	Jan. 9, 1974	Sub,E	D	Screen from 160 to 170 feet. <u>1/</u>
401	O. C. Devillier, Jr.	do.	1972	170	4	170	CU	24	18	May 1, 1972	Sub,E 1/2	S	Screen from 160 to 170 feet. <u>1/</u>
619	E. J. Dugat	do.	1972	160	4	160	CU	28	38	July 1, 1972	Sub,E 2	D	Screen from 150 to 160 feet. <u>1/</u>
18-605	Exxon Co.	Exxon Co.	--	--	5	--	CL?	0	51.0	Aug. 2, 1974	N	N	Located in Galveston Bay. <u>2/</u>
903	do.	do.	--	--	5	--	CL?	0	38.7 46.7	May 23, 1969 Aug. 2, 1974	N	N	Located in Galveston Bay. <u>2/</u>
21-205	Sun Oil Co.	Sun Oil Co.	--	150	4	150	C	16	20.0 23.2	Mar. 15, 1967 Mar. 27, 1974	N	N	Supply well for oil test. <u>2/</u>
26-808	Exxon Co.	Exxon Co.	--	--	5	--	CL?	0	56.5 58.1	May 23, 1969 May 15, 1973	N	N	Located in Galveston Bay. <u>2/</u>
28-304	Anahuac Wildlife Refuge	Franklin Well Service Co.	1974	342	4	342	CL	6	12	July 19, 1974	Sub,E 1	P	Screen from 332 to 342 feet.
603	do.	do.	1972	242	4 2 1/2	215 242	C	3	12	June 19, 1974	W	S	Screen from 232 to 242 feet. <u>1/</u>

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 Chambers County

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well DH-64-02-805 Owner: Dodson Driller: A&L Pump and Well Service			Well DH-64-09-207--Continued		
Surface	5	5	Shale, sandy and shale	104	1,012
Clay, yellow	40	45	Sand	48	1,060
Clay, blue	50	95	Shale, sandy	6	1,066
Sand	35	130	Sand, fine	37	1,103
Clay, blue	150	280	Shale, sandy	41	1,144
Sand	45	325	Sand (broken)	6	1,150
Well DH-64-02-806 Owner: B. Pace Driller: A&L Pump and Well Service			Shale, sandy and sand	30	1,180
Surface	5	5	Shale	20	1,200
Clay, yellow	40	45	Sand (broken)	40	1,240
Clay, blue	50	95	Shale	30	1,270
Sand	30	125	Sand	10	1,280
Clay, blue	155	280	Shale	24	1,304
Sand	35	315	Sand	16	1,320
Well DH-64-09-207 Owner: Warren Petroleum Corp., Well 2 Driller: Layne-Texas Co.			Shale	25	1,345
Topsoil	5	5	Shale, sandy	30	1,375
Clay	100	105	Sand	112	1,487
Sand	60	165	Shale	5	1,492
Shale	23	188	Well DH-64-09-335 Owner: Warren Petroleum Corp., Well 3 Driller: Layne-Texas Co.		
Sand	25	213	Topsoil	24	24
Shale	27	240	Clay	49	73
Sand	29	269	Shale	40	113
Shale, sandy	60	329	Sand	52	165
Sand	53	382	Shale	43	208
Shale, blue	59	441	Sand	13	221
Shale, sandy	10	451	Shale	20	241
Sand	112	563	Sand	11	252
Shale, sandy	182	745	Shale	19	271
Sand	95	840	Sand and sandy shale	16	287
Shale, sandy	11	851	Shale	28	315
Sand	19	870	Sand	47	362
Shale	8	878	Shale	69	431
Shale, sandy	30	908	Sand	99	530
			Sand and rock layers	18	548
			Sand	15	563

Table 2.--Drillers' Logs of Wells in Chambers County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well DH-64-09-335--Continued			Well DH-64-09-336--Continued		
Rock layers	2	565	Sand, medium and broken	29	336
Sand	23	588	Clay with sandy streaks	53	389
Shale	23	611	Sand, medium	31	420
Sand and shale streaks	30	641	Hard streaks	4	424
Shale	36	677	Sand, medium with hard streaks	24	448
Sand and gravel	30	707	Hard streaks	2	450
Shale, sandy	18	725	Well DH-64-09-617 Owner: Bill Wallace Driller: A&L Pump and Well Service		
Sand	29	754	Topsoil	15	15
Shale and sand streaks	4	758	Clay, yellow	75	90
Sand	70	828	Sand	15	105
Shale	14	842	Clay, yellow	30	135
Sand and shale streaks	37	879	Clay, red	15	150
Shale	7	886	Clay, gray	75	225
Sand and sandy shale	32	918	Sand	15	240
Shale	18	936	Clay, blue	15	255
Sand	11	947	Sand and blue clay	15	270
Shale	10	957	Sand	15	285
Well DH-64-09-336 Owner: City of Mount Belvieu Cherry Point Ranchettes Driller: Layne-Texas, Co.			Clay, blue	45	330
Topsoil	2	2	Sand, hard	15	345
Clay with sand breaks	25	27	Sand	6	351
Fine brown sand	15	42	Well DH-64-09-922 Owner: Clyde Maley Driller: A&L Pump and Well Service		
Clay with sand breaks	66	108	Surface	5	5
Sand, broken	3	111	Clay, yellow	40	45
Clay, soft, fine, blue and brown	34	145	Sand	25	70
Sand, fine blue and brown clay	27	172	Clay, yellow	110	180
Clay	3	175	Sand	25	205
Sand, fine and broken	5	180	Clay, blue	91	296
Clay with sandy streaks	20	200	Sand	44	340
Sand, fine and broken	7	207	Well DH-64-09-923 Owner: Anahuac Towing and Shell Driller: Franklin Well Service Co.		
Clay with sandy streaks	37	244	Clay	127	127
Sand, fine and broken	8	252	Sand	17	144
Clay, sandy	30	282			
Clay with sandy streaks	25	307			

Table 2.--Drillers' Logs of Wells in Chambers County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well DH-64-10-111 Owner: Theo Wilborn Driller: Franklin Well Service Co.			Well DH-64-10-412 Owner: P. R. Harrington Driller: O'Day Drilling Co.		
Clay	105	105	Clay, red	20	20
Sand	4	109	Clay, blue	69	89
Clay and shale	176	285	Sand	18	107
Sand	35	320	Shale	3	110
Well DH-64-10-112 Owner: Barber's Hill School Driller: Layne-Texas Co.			Well DH-64-10-413 Owner: Lonnie Fisher Driller: Moack Drilling Co.		
Surface soil	4	4	Sand	22	132
Clay, hard and soft breaks	93	97	Clay, blue	198	330
Sand and lignite	3	100	Sand	24	354
Clay	24	124	Clay, red	96	96
Sand, fine (cut good)	34	158	Sand	33	129
Clay	24	182	Sand with shale streaks	19	148
Clay, sandy and shell	18	200	Clay, sandy	12	160
Clay	7	207	Clay, blue	158	318
Clay, sandy	6	213	Sand	38	356
Clay	3	216	Clay, blue	14	370
Clay, sandy	5	221	Sand	8	378
Clay, hard	17	238	Clay, blue	102	480
Clay, soft	9	247	Sand	16	496
Clay, hard	25	272	Clay	21	517
Clay, sticky	52	324	Sand	5	522
Sand and clay streaks	14	338	Clay	58	580
Clay and few sandy clay streaks	59	397	Well DH-64-10-712 Owner: General Telephone Driller: Lowry Water Wells		
Sand	13	410	Clay, yellow bottom sandy	48	48
Clay	2	412	Sand	15	63
Sand, fine (cut good)	56	468	Shale, blue, sandy	61	124
Clay, sandy	14	482	Sand (top shaly)	20	144
Sand and sandy clay layers	13	495	Sand	24	168

Table 2.--Drillers' Logs of Wells in Chambers County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well DH-64-11-208 Owner: Mr. Biggs Driller: Franklin Well Service Co.			Well DH-64-11-403 Owner: Corps of Engineers Driller: Franklin Well Service Co.		
Sand	6	6	Sand, silt filled	15	15
Clay	14	20	Clay, light gray	42	57
Sand	25	45	Sand	9	66
Clay	9	54	Clay, light yellow	64	130
Sand	36	90	Clay, blue and shale	185	315
Clay	15	105	Sand	35	350
Sand	25	130	Well DH-64-13-307 Owner: Harry Chase Driller: Franklin Well Service Co.		
Clay	10	140	Sand, surface	3	3
Sand	12	152	Clay	20	23
Well DH-64-11-308 Owner: White Memorial Park Driller: Franklin Well Service Co.			Sand	22	45
Clay, yellow	90	90	Clay	104	149
Shale	40	130	Sand	21	170
Sand	12	142	Well DH-64-13-401 Owner: O. C. Devillier, Jr. Driller: Franklin Well Service Co.		
Well DH-64-11-309 Owner: Texaco, Inc. Driller: B&L Water Well Service			Clay	15	15
Surface clay	55	55	Sand	6	21
Sand	29	84	Clay	111	132
Clay and shale	42	126	Sand and gravel	38	170
Sand	15	141	Well DH-64-13-619 Owner: E. J. Dugat Driller: Franklin Well Service Co.		
Well DH-64-11-310 Owner: Texaco, Inc. Driller: B&L Water Well Service			Clay	20	20
Surface clay	109	109	Sand	15	35
Sand (would not produce)	15	124	Clay	108	143
Clay	15	139	Sand	17	160
Sand (would not produce)	16	155	Well DH-64-28-603 Owner: Anahuac Wildlife Refuge Driller: Franklin Well Service Co.		
Clay and shale	142	297	Surface	2	2
Sand	34	331	Clay	16	18
			Sand, fine and shell	6	24
			Clay	86	110
			Sand	7	117
			Clay and shale	99	216
			Sand	26	242

Table 3.--Water Levels in Wells in Chambers County
(feet below land surface)

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well DH-64-09-301		Well DH-64-09-308--Continued		Well DH-64-09-921	
Owner: WC&ID No. 1, Well 5 Mont Belvieu Elevation: 43		Mar. 17, 1970	19.59	Owner: Houston Lighting & Power Co. Cedar Bayou Plant, Well 3 Elevation: 23	
Jan. 14, 1958	101.52	Oct. 29	20.14	Mar. 26, 1971	135.28
Oct. 26, 1966	117.7	Mar. 26, 1971	19.31	Feb. 15, 1972	136.2
Mar. 9, 1972	134.78	Mar. 9, 1972	19.18	Sept. 7	137
Oct. 10	146.53	Oct. 10	19.17	Jan. 19, 1973	135.9
Mar. 15, 1973	138.27	Mar. 15, 1973	20.44	Sept. 13	142.9
Well DH-64-09-302		Oct. 2	19.07	Mar. 14, 1974	135.5
Owner: WC&ID No. 1, Well 4 Mont Belvieu Elevation: 43		Mar. 28, 1974	18.87	Apr. 25	137.3
Dec. 26, 1957	103	Well DH-64-09-811		July 3	142.9
Oct. 27, 1966	118.2	Owner: Houston Lighting & Power Co. Cedar Bayou Plant, Well 1 Elevation: 13		Sept. 18	143.8
Mar. 9, 1972	134.43	Mar. 26, 1971	137.74	Well DH-64-10-401	
Oct. 10	138.71	Feb. 15, 1972	134.8	Owner: Finger Furniture Co. Elevation: 37	
Mar. 15, 1973	137.92	Sept. 7	134.9	Oct. 9, 1967	116.94
Well DH-64-09-307		Jan. 19, 1973	133.2	Mar. 28, 1968	110.97
Owner: Diamond Alkali, Well 3 Elevation: 27		Sept. 13	140.1	Oct. 17	110.20
Oct. 13, 1953	102	Mar. 14, 1974	134.2	Apr. 1, 1969	108.54
May 21, 1966	103.03	Apr. 25	134.5	Oct. 15	112.69
Oct. 12	129.47	July 25	149	Mar. 17, 1970	102.92
Mar. 16, 1967	135.47	Aug. 27	146	Oct. 29	97.81
Oct. 9	137.23	Well DH-64-09-812		Mar. 26, 1971	99.88
Mar. 28, 1968	138.26	Owner: Houston Lighting & Power Co. Cedar Bayou Plant, Well 2 Elevation: 17		Mar. 9, 1972	106.98
Oct. 17	131.52	Feb. 15, 1972	138.6	Oct. 11	111.54
Apr. 1, 1969	143.43	Sept. 7	136.9	Mar. 14, 1973	112.90
Oct. 15	158.39	Jan. 19, 1973	137	Oct. 2	112.87
Mar. 17, 1970	139.72	Sept. 13	142.5	Mar. 28, 1974	113.17
Mar. 26, 1971	153.79	Mar. 14, 1974	135	Well DH-64-10-703	
Oct. 10, 1972	166.37	Apr. 26	138.9	Owner: Texas Oil and Gas Co. Elevation: 31	
Oct. 2, 1973	177.15	July 24	148.4	Oct. 9, 1967	105.07
Well DH-64-09-308		Sept. 5	146.58	Mar. 28, 1968	101.75
Owner: Diamond Alkali Elevation: 27		Well DH-64-09-901		Oct. 17	105.55
Mar. 16, 1967	19.62	Owner: S. R. Williams Elevation: 15		Apr. 1, 1969	103.5
Oct. 9	20.03	Mar. 28, 1968	109.8	Oct. 15	110.5
Mar. 28, 1968	19.34	Apr. 1, 1969	77.9	Mar. 17, 1970	108.87
Oct. 17	20.27	Mar. 17, 1970	85.7	Mar. 26, 1971	107.37
Apr. 1, 1969	19.29			Mar. 9, 1972	110.25
Oct. 15	21.07			Oct. 11	110.25
				Mar. 19, 1973	110.98

Table 3.--Water Levels in Wells in Chambers County--Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well DH-64-10-703--Continued		Well DH-64-11-901		Well DH-64-13-701	
Oct. 2, 1973	113.15	Owner: Barringer Elevation: 22		Owner: Harvey Haynes Elevation: 23	
Mar. 28, 1974	109.97	Oct. 10, 1967	28.14	Nov. 2, 1959	21.6
Well DH-64-11-401		Mar. 29, 1968	28.05	July 12, 1966	19.2
Owner: E. E. Abshier Elevation: 5		Oct. 18	28.44	Mar. 15, 1967	19.08
Mar. 29, 1968	16.81	Apr. 2, 1969	28.47	Mar. 3, 1972	20.34
Oct. 18	17.61	Oct. 14	28.93	Oct. 11	20.46
Apr. 2, 1969	16.03	Mar. 19, 1970	29.17	Mar. 16, 1973	20.94
Oct. 14	18.27	Oct. 28	29.27	Oct. 3	20.57
Mar. 19, 1970	16.84	Mar. 25, 1971	29.67	Mar. 27, 1974	20.62
Oct. 28	18.07	Mar. 3, 1972	30.01	Well DH-64-17-311	
Mar. 25, 1971	17.80	Oct. 11	30.62	Owner: Wilburn Bros. Elevation: 23	
Mar. 3, 1972	17.36	Mar. 16, 1973	30.41	Dec. 10, 1965	23.7
Oct. 11	18.21	Oct. 3	31.07	Mar. 9, 1972	20.62
Mar. 16, 1973	17.20	Mar. 27, 1974	30.82	Mar. 15, 1973	20.01
Oct. 3	18.77	Well DH-64-13-601		Oct. 2	22.25
Well DH-64-11-801		Owner: Trinity Bay Conservation District, Winnie, Well 1 Elevation: 26		Mar. 28, 1974	20.77
Owner: City of Anahuac, Well 2 Elevation: 22		Sept. - 1953	35	Well DH-64-17-901	
Oct. 25, 1955	17.93	Nov. - 1959	48	Owner: Seacrest Park Elevation: 25	
Jan. 17, 1966	21.41	Feb. - 1967	60	Oct. 9, 1967	159.13
Mar. 19, 1970	17.80	May - 1970	62	Mar. 28, 1968	151.34
Mar. 25, 1971	20.92	May - 1971	68	Oct. 17	154
Mar. 3, 1972	19.38	Mar. 3, 1972	66	Apr. 1, 1969	155.61
Oct. 11	26.07	July 31	72	Oct. 15	158
Mar. 16, 1973	25.24	Oct. 11	70	Mar. 17, 1970	160.83
Oct. 3	26.97	Feb. 23, 1973	72	Oct. 29	163.99
Mar. 27, 1974	21.40	Mar. 16	72	Mar. 26, 1971	171.7
Well DH-64-11-802		Oct. 3	80	Mar. 9, 1972	176
Owner: City of Anahuac, Well 1 Elevation: 22		Mar. 27, 1974	71	Oct. 2, 1973	171.38
Apr. 2, 1969	20.55	Well DH-64-13-602		Mar. 28, 1974	170.61
Mar. 19, 1970	20.94	Owner: Trinity Bay Conservation District, Winnie, Well 2 Elevation: 26		Well DH-64-18-601	
Oct. 11, 1972	23.96	Sept. - 1953	40	Owner: Exxon Co., C-12 Elevation: Sea Level	
Mar. 16, 1973	21.50	Feb. - 1967	60	May 23, 1969	43.48
Mar. 27, 1974	20.51	May - 1970	68	June 11, 1971	47.72
		May - 1971	70		
		July 31, 1972	72		
		Oct. 11	70		
		Feb. 23, 1973	72		
		Mar. 16	72		

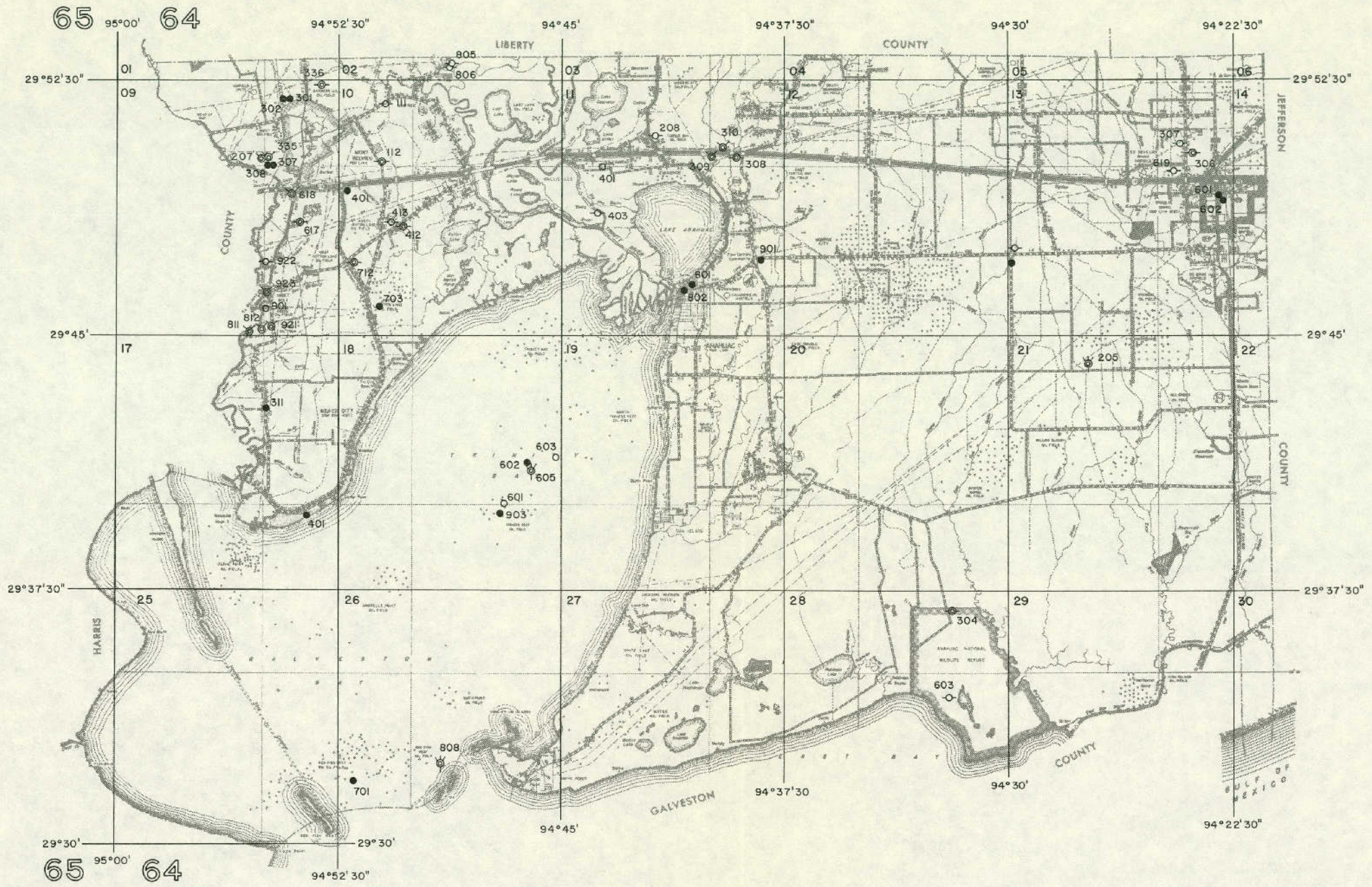
Table 3.--Water Levels in Wells in Chambers County--Continued

DATE	WATER LEVEL	DATE	WATER LEVEL
Well DH-64-18-602		Well DH-64-26-701	
Owner: Exxon Co., C-30 Elevation: Sea Level		Owner: Exxon Co., A-1 Elevation: Sea Level	
May 23, 1969	42.80	Nov. 29, 1966	85.72
June 11, 1971	45.48	Nov. 30	88.75
May 23, 1972	49.89	May 13, 1967	85.05
Aug. 2, 1974	45.70	May 23, 1969	92.55
Well DH-64-18-603		May 1, 1970	95.25
Owner: Exxon Co., C-46 Elevation: Sea Level		June 11, 1971	99.06
May 23, 1969	41.35	May 23, 1972	100.95
June 11, 1971	50.53	May 15, 1973	103.04
May 23, 1972	43.10	Well DH-64-26-808	
Well DH-64-18-605		Owner: Exxon Co., A-168 Elevation: Sea Level	
Owner: Exxon Co., C-54 Elevation: Sea Level		May 23, 1969	56.50
Aug. 2, 1974	51	May 1, 1970	55.30
Well DH-64-18-903		June 11, 1971	55.36
Owner: Exxon Co., C-50 Elevation: Sea Level		May 23, 1972	57.19
May 23, 1969	40.68	May 15, 1973	58.14
June 11, 1971	42.85		
May 23, 1972	56.21		
May 15, 1973	46.20		
Aug. 2, 1974	46.74		
Well DH-64-21-205			
Owner: Sun Oil Co. Elevation: 16			
Mar. 15, 1967	19.96		
Oct. 10	20.76		
Mar. 29, 1968	20.64		
Apr. 2, 1969	20.92		
Oct. 14	21.52		
Mar. 19, 1970	20.87		
Oct. 28	21.30		
Mar. 25, 1971	21.48		
Mar. 3, 1972	21.27		
Oct. 11	22.96		
Mar. 16, 1973	22.79		
Oct. 3	23.36		
Mar. 27, 1974	23.17		

Table 4.--Chemical Analyses of Water from Wells in Chambers County
 When no potassium (K) is reported, sodium and potassium are calculated and reported as sodium (Na)
 Water-bearing units: CL, Lower unit of Chisot aquifer; E, Evangeline aquifer

WELL	OWNER	DEPTH OR PROSINGING INTERVAL (FT)	WATER BEARING UNIT	Date	DIS-SOLVED SILICA (SiO ₂) (MG/L)	DIS-SOLVED IRON (FE) (MG/L)	DIS-SOLVED MANGANESE (Mn) (MG/L)	DIS-SOLVED CALCIUM (Ca) (MG/L)	DIS-SOLVED MAGNESIUM (Mg) (MG/L)	DIS-SOLVED SODIUM (Na) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATES (HCO ₃) (MG/L)	CARBONATES (CO ₃) (MG/L)	SULFATE (SO ₄) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	DIS-SOLVED PLUS NITRATE (NO ₃) (MG/L)	DIS-SOLVED ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (MG/L)	UNSOLVED SILICON (Si) (MG/L)	BARDNESS (Ca, Mg) (MG/L)	PERCENT SODIUM (NSC)	RESIDUAL HARDNESS (NSC)	SODIUM AD-AD-ION (Na) (MG/L)	SPECIFIC CONDUCTANCE (MICROHMS)	PH	TEMPERATURE (°C)	
1/00-64-09-207	Warren Petroleum Corp., Well 2	1,075-1,480	E	12-5-67	14	2/ 170	--	2.5	0.2	220	--	473	14	0.0	46	--	--	--	--	518	7	99	7.61	35	889	8.2	--	
2/ 335	Warren Petroleum Corp., Well 3	685-948	E	8-17-70	11	3/ 60	--	7.0	2.0	210	--	403	0	15	94	--	--	--	--	535	26	95	6.09	18	927	8.3	--	
2/ 336	City of Mont Belvieu, Cherry Point Ranchettes	406-447	CL	11-12-71	21	3/ 220	4/ 20	6.0	2.0	240	--	444	0	2.0	130	5/ 1.5	0.11	--	--	616	23	96	6.81	22	1,040	8.0	--	
811	Houston Lighting & Power, Cedar Bayou Plant, Well 1	324-394	CL	3-26-71	--	--	--	--	--	--	--	312	0	6.8	50	--	--	--	--	--	22	--	--	4.67	--	631	8.1	22.0
812	Houston Lighting & Power, Cedar Bayou Plant, Well 2	352-400	CL	3-26-71	--	--	--	--	--	--	--	332	0	8.0	50	--	--	--	--	--	23	--	--	4.98	--	681	8.0	24.0
921	Houston Lighting & Power, Cedar Bayou Plant, Well 3	335-391	CL	3-26-71	--	--	--	--	--	--	--	336	0	13	60	--	--	--	--	--	24	--	--	5.03	--	742	8.0	23.5
1/ 10-112	Exber's Hill School	439-480	CL	3-30-67	18	3/ 430	--	7.0	2.0	290	--	537	0	1.0	160	--	--	--	--	744	26	96	8.29	25	1,270	8.0	--	
17-901	Seacrest Park	666-687	CL	3-26-71	--	--	--	--	--	--	--	504	0	25	240	--	--	--	--	--	48	--	--	7.30	--	1,580	8.0	--
26-701	Enxon Co.	610-671	CL	5-23-69	15	3/ 330	2/ 20	5.8	1.5	220	1.0	452	0	.0	86	1.7	.02	0.13	340	553	20	96	7.00	21	936	8.0	25.5	
701	do	do	CL	5-1-70	15	70	--	5.0	1.6	220	1.0	454	0	.2	88	1.6	.02	--	340	553	19	96	7.06	22	940	7.9	25.5	
701	do	do	CL	6-11-71	14	--	--	7.8	.6	220	--	454	0	.4	89	2	.14	--	--	559	22	96	7.00	21	963	7.6	--	
701	do	do	CL	5-23-72	15	140	--	6.0	1.6	210	1.0	456	0	.0	86	1.4	.00	--	340	549	22	95	7.04	20	996	7.9	--	
701	do	do	CL	5-15-73	--	--	--	--	--	--	--	463	0	--	87	--	--	--	--	--	19	--	--	6.86	--	956	7.8	--

1/ Analyzed by Microbiology Service Laboratories
 2/ Analyzed by Edna Wood Laboratories
 3/ Total iron (Fe)
 4/ Total manganese (Mn)
 5/ Total fluoride (F)



EXPLANATION

- CURRENT OBSERVATION WELL
- DISCONTINUED OBSERVATION WELL
- ⊙ PUBLIC-SUPPLY WELL
- ⊗ INDUSTRIAL WELL
- ⊕ UNUSED INDUSTRIAL WELL
- ⊖ IRRIGATION WELL
- ⊘ DOMESTIC OR LIVESTOCK WELL
- 602 NUMBER--Corresponds to well number given in Tables 1-4

Figure 1
Locations of Wells in Chambers County

Base from Texas Highway Department county highway map

Table 5.--Records of Wells in Liberty County

Water level : 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, oil, 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 units : C, Chicot aquifer; E, Evangeline aquifer.

No.	Owner	Driller	Date completed	Depth of well (ft.)	Casing		Water-bearing unit	Altitude of land surface (ft.)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft.)			Above (+) or below land surface datum (ft.)	Date of measurement			
SB-60-56-101	H. J. Boucher	E. F. Beshears Water Well Service	1964	325	4	325	E	110	50	May 1966	Sub,E 1 1/2	P	Screen from 315 to 325 feet.
64-303	Stoesser Farms, Inc., Well 6	Layne-Texas Co.	1967	580	16	580	E	84	85 82.2	Mar. 7, 1967 Mar. 16, 1970	T,Ng	Irr	165 feet of slotted casing between 203 and 570 feet. Reported yield 1,084 gal/min with 41 feet drawdown when drilled. <u>1/2</u>
910	Arco Oil & Gas	Texas Water Wells, Inc.	1967	400	-- 4	305 400	C	64	--	--	T,E 10	Ind.	Casing slotted from 307 to 347 feet. <u>1/</u>
911	W. S. Dalton	H&L Well Service	1973	370	4 2	360 370	C	70	120	July 3, 1973	Sub,E	D	Screen from 360 to 370 feet. <u>1/</u>
61-34-109	Horse Shoe Lake Club	O'Day Drilling Co.	1970	552	6 4	442 552	E	67	Flowing	--	Sub,E	Irr	51 feet of screen between 459 and 552 feet. Reported yield 200 gal/min with 42 feet drawdown when drilled. Supplies lake. <u>1/</u>
110	Frank Duke, Six Lakes	Miller's Water Well Drilling	1973	138	4 2	118 138	C	85	30	June 21, 1973	Sub,E 3	P	Screen from 118 to 138 feet. <u>1/</u>
41-104	O. M. Scott & Sons	B. J. Swinehart Co.	1973	337	8 6	285 337	E	150	61	Aug. 9, 1973	T,E 30	Irr	Screen from 285 to 325 feet. <u>1/</u>
409	Tarkington Independent School District	Keene Drilling Co.	1969	469	4 2 1/2	367 469	C	131	--	--	Sub,E	P	Screen from 447 to 467 feet. <u>1/</u>
49-601	Howard Croft	Chapman Water Well Service	1974	140	4	140	E	100	32	Apr. 15, 1974	Sub,E	D	Screen from 130 to 140 feet. <u>1/</u>
807	T. Wilburn	Katy Drilling, Inc.	1967	396	24 14	-- 396	E,C	97	77	Jan. 17, 1967	T,G	Irr	331 feet of slotted casing between 65 and 396 feet. Reported yield 1,539 gal/min with 162 feet drawdown when drilled. <u>1/2</u>
808	Bollinger Bros.	Leonard W. Mickelson	1970	728	16 12	368 728	E	97	112.6	Oct. 5, 1972	T,G	Irr	356 feet of slotted casing between 250 and 728 feet. <u>1/</u>
903	J. H. Rose	Chapman Water Well Service	1973	327	4 2	307 327	E	95	92	Dec. 1, 1973	Sub,E	D	Screen from 307 to 327 feet. <u>1/</u>
# 51-111	Hardin Water Supply Corp.	Layne-Texas Co.	1969	812	8 4	700 812	E	90	65	Jan. 23, 1969	Sub,E	P	50 feet of screen between 710 and 800 feet. Reported yield 150 gal/min with 40 feet drawdown when drilled.
604	Bill Yarbrough	Katy Drilling, Inc.	1973	686	20 12	360 686	E	70	55	Feb. 1973	T,E	Irr	499 feet of slotted casing between 187 and 686 feet. Reported yield 3,088 gal/min with 127 feet drawdown when drilled. <u>1/</u>
807	A. E. McGinty	Layne-Texas Co.	1968	770	20 12	296 770	E	70	61	Mar. 5, 1968	T,E	Irr	370 feet of slotted casing between 180 and 756 feet. Reported yield 2,941 gal/min with 112 feet drawdown when drilled. <u>1/</u>

See footnotes at end of table.

Table 5.--Records of Wells in Liberty County--Continued

No.	Owner	Driller	Date completed	Depth of well (ft.)	Casing		Water-bearing unit	Altitude of land surface (ft.)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft.)			Above (+) or below land surface datum (ft.)	Date of measurement			
SB-61-57-108	Roy Seaberg	Layne-Texas Co.	1970	832	20 12	407 832	E	84	134 125.5	Mar. 26, 1970 Oct. 5, 1972	T,Ng	Irr	295 feet of slotted casing between 302 and 817 feet. Reported yield 3,024 gal/min with 90 feet drawdown when drilled. <u>1/</u>
209	Felton Bollinger	Chapman Water Well Service	1973	175	4 2	155 175	C	90	54	Aug. 17, 1973	Sub,E	D	Screen from 155 to 175 feet. <u>1/</u>
702	J. M. Frost, Jr.	--	--	800	18	700	--	67	114.5	Mar. 3, 1972	T,G	Irr	<u>2/</u>
803	Cecil Hobdy	J. W. Creak Water Well Service	1971	328	4	328	C	69	125	Oct. 27, 1971	Sub,E	D	Screen from 319 to 329 feet. <u>1/</u>
58-303	Price Daniel, Jr.	do.	1971	247	4 2 1/2	231 247	C	40	70	July 1971	Sub,E	D	Screen from 236 to 247 feet. <u>1/</u>
59-510	Raywood Water Supply Corp.	Katy Drilling, Inc.	1970	801	8 4	718 801	E	65	91	Mar. 1970	Sub,E	F	Screen from 728 to 801 feet. Reported yield 235 gal/min when drilled. <u>1/</u>
64-01-108	Milton Chachere	Chapman Water Well Service	1972	90	4	90	C	67	16	Sept. 8, 1972	Sub,E	D	Screen from 80 to 90 feet. <u>1/</u>
901	Trinity Water Conveyance System, Well 2	Texas Water Wells, Inc.	1970	581	-- 4	-- 581	E	46	176	Dec. 1970	T,E 7 1/2	Ind	Screen from 530 to 576 feet. Reported yield 50 gal/min with 41 feet drawdown when drilled. High iron content reported. <u>1/</u>
02-102	S. W. Fransen	A&L Pump and Well Service	1972	240	4 2	210 240	C	65	80	Jan. 10, 1972	Sub,E 1	D	Screen from 230 to 240 feet. <u>1/</u>
205	Trinity Water Conveyance System, Well 1	Texas Water Wells, Inc.	1970	449	-- 4	-- 449	E	27	91	June 1970	T,E 7 1/2	Ind,D	Screen from 384 to 444 feet. Reported yield 85 gal/min with 10 feet drawdown when drilled. <u>1/</u>
605	MOSS Bluff Fire Dept.	Finklea Water Well Drilling Co.	1969	159	4	159	C	19	20	Dec. 1969	Sub,E 1	F	Screen from 148 to 159 feet. Reported yield 75 gal/min. Supplies pumper for fire department. <u>1/</u>
901	Larry D. Fruge	A&L Pump and Well Service	1971	198	4 2	182 198	C	37	40	Mar. 31, 1971	Sub,E 1/2	D	Screen from 188 to 198 feet. <u>1/</u>
04-709	Gulf Oil Corp.	George Bellenger Water Well Service	1971	160	6 4	130 160	C	35	12	Oct. 10, 1972	Sub,E 5	Ind	Screen from 130 to 160 feet. Reported yield 100 gal/min when drilled. Supplies storage tank to cool compressor. <u>1/</u>
710	do.	do.	1971	160	6 4	130 160	C	35	12	Oct. 1971	Sub,E 5	Ind	Screen from 130 to 160 feet.

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 Liberty County

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well SB-60-64-303 Owner: Stoesser Farms, Inc., Well 6 Driller: Layne-Texas Co.			Well SB-60-64-910--Continued		
Surface soil	5	5	Shale, gray	23	400
Sand	30	35	Well SB-60-64-911 Owner: W. S. Dalton Driller: H&H Well Service		
Clay and sand streaks	35	70	Surface	5	5
Sand	25	95	Clay, white	15	20
Clay	33	128	Clay, red	70	90
Sand	15	143	Clay, blue	145	235
Clay	48	191	Sand	135	370
Sand and clay breaks	29	220	Well SB-61-34-109 Owner: Horseshoe Lake Club Driller: O'Day Drilling Co.		
Clay	10	230	Clay	18	18
Sand	58	288	Sand, fine to coarse	70	88
Clay	6	294	Clay	16	104
Sand	17	311	Sand	16	120
Sand and sandy clay	40	351	Clay	23	143
Clay	13	364	Rock	3	146
Clay, sandy	81	445	Clay with rock streaks	290	436
Clay	9	454	Sand	50	486
Sand	29	483	Sand, streaky	20	506
Clay and sandy clay	47	530	Sand	51	557
Sand, gravel and shale streaks	40	570	Clay	1	558
Shale	30	600	Well SB-61-34-110 Owner: Frank Duke, Six Lakes Driller: Miller's Water Well Drilling		
Well SB-60-64-910 Owner: Arco Oil and Gas Driller: Texas Water Wells, Inc.			Clay	25	25
Topsoil	3	3	Sand and gravel	15	40
Clay, yellow	15	18	Clay	30	70
Clay, yellow and gray	7	25	Sand	22	92
Sand, gray and debris	70	95	Rock	3	95
Clay, gray	35	130	Clay	24	119
Sand, fine gray	14	144	Sand	38	157
Clay, yellow and gray	46	190			
Sand, broken and shale	35	225			
Sand, broken and shale	23	248			
Sand, gray	99	347			
Shale, gray	15	362			
Sand, gray	15	377			

Table 6.--Drillers' Logs of Wells in Liberty County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well SB-61-41-104 Owner: O. M. Scott and Sons Driller: B. J. Swinehart Co.			Well SB-61-49-601 Owner: Howard Croft Driller: Chapman Water Well Service		
Clay	18	18	Clay	22	22
Sand	24	42	Sand, fine	8	30
Clay	18	60	Clay	48	78
Sand	9	69	Sand	14	92
Clay	17	86	Clay	30	122
Sand and gravel	34	120	Sand	18	140
Clay	34	154	Well SB-61-49-807 Owner: T. Wilburn Driller: Katy Drilling, Inc.		
Sand and gravel	16	170	Clay	65	65
Clay, sand streaks	96	266	Sand	29	94
Sand, fine	19	285	Shale	91	185
Sand, coarse	42	327	Sand	17	202
Sand, fine	9	336	Shale	14	216
Clay	1	337	Shale	14	216
Well SB-61-41-409 Owner: Tarkington Independent School District Driller: Keene Drilling Co.			Strips of sand and shale	31	247
Sand	5	5	Shale	123	370
Clay	40	45	Sand	26	396
Sand	35	80	Shale	5	401
Clay, blue	25	105	Well SB-61-49-808 Owner: Bollinger Bros. Driller: Leonard W. Mickelson		
Sand	30	135	Soil and clay	24	24
Clay	15	150	Sand	31	55
Sand	20	170	Clay	36	91
Clay	15	185	Sand	13	104
Sand	30	215	Clay	35	139
Clay	15	230	Wood shavings, rocky sand	77	216
Sand	15	245	Clay	33	249
Clay	10	255	Sand, rocky	33	282
Sand	35	290	Clay	13	295
Clay	55	345	Sand, rocky	47	342
Sand, rock	15	360	Clay	11	353
Clay	57	417	Sand	10	363
Rock, hard	25	442	Clay	6	369
Sand	27	469	Sand	5	374
Clay	6	475	Clay	11	385

Table 6.--Drillers' Logs of Wells in Liberty County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well SB-61-49-808--Continued			Well SB-61-51-111--Continued		
Sand	6	391	Sand with streaks of shale	48	337
Clay	25	416	Shale, sandy	18	355
Sand	10	426	Shale, sandy with sand streaks	33	388
Clay	5	431	Sand	43	431
Wood shavings	58	489	Sand with sandy shale	32	463
Sand	26	515	Shale, sandy	6	469
Sand, rocky	49	564	Sand, broken	20	489
Clay	13	577	Sand, shale with streaks	45	534
Sand	5	582	Sand, broken	33	567
Clay	11	593	Sand, shale with streaks of sand	14	581
Sand	132	725	Sand, broken	18	599
Well SB-61-49-903			Well SB-61-51-111--Continued		
Owner: J. H. Rose			Shale, sandy		
Driller: Chapman Water Well Service			4		
			603		
Clay	19	19	Sand, broken	11	614
Clay, sandy	9	28	Clay, sandy	4	618
Clay	83	111	Sand, broken	18	636
Sand	5	116	Clay with streaks of sand	15	651
Clay	4	120	Sand, broken	23	674
Sand	14	134	Clay with streaks of sand	8	682
Clay	120	254	Sand with small layers of shale	56	738
Sand	10	264	Shale, sandy with sand streaks	36	774
Clay	21	285	Sand with hard streaks	41	815
Sand	42	327	Shale, sandy	19	834
Well SB-61-51-111			Well SB-61-51-604		
Owner: Hardin Water Supply Corp.			Owner: Bill Yarbrough		
Driller: Layne-Texas Company			Driller: Katy Drilling, Inc.		
Clay with streaks of sandy clay	51	51	Surface, clay	56	56
Sand, broken	72	123	Sand	68	124
Sand, streaks of gravel	20	143	Clay	63	187
Clay, sandy, streaks of sand	8	151	Sand	74	261
Sand and gravel	19	170	Clay	74	335
Sand and streaks of clay	14	184	Sand	19	354
Rock, sand	2	186	Clay	37	391
Clay and streaks of sand	30	216	Sand	26	417
Shale and sandy shale	73	289	Clay	6	423

Table 6.--Drillers' Logs of Wells in Liberty County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well SB-61-51-604--Continued			Well SB-61-51-807--Continued		
Sand	18	441	Sand, hard shale and sandy shale	30	632
Clay	22	463	Sand and sandy shale	18	650
Sand	90	553	Shale, sandy	9	659
Clay	3	556	Sand	21	680
Sand	130	686	Shale and sandy streaks	14	694
Clay	3	689	Sand and sandy shale streaks	60	754
Well SB-61-51-807 Owner: A. E. McGinty Driller: Layne-Texas Co.			Shale, sandy	18	772
Topsoil	4	4	Sand and shale breaks	23	795
Clay and sand streaks	27	31	Shale, sandy	9	804
Sand	19	50	Well SB-61-57-108 Owner: Roy Seaberg Driller: Layne-Texas Co.		
Clay and sand	20	70	Clay	70	70
Sand	14	84	Sand	8	78
Clay and sandy clay	8	92	Clay	26	104
Clay	33	125	Sand	18	122
Sand and few clay streaks	27	152	Shale, green	50	172
Clay, sandy clay and layers of sand	30	182	Sand, good	48	220
Sand and clay streaks	14	196	Shale	8	228
Clay and sand streaks	27	223	Sand	58	286
Sand and clay streaks	19	242	Shale	3	289
Sand (some fine sand)	29	271	Sand	67	356
Sand and few clay streaks	22	293	Sand layers and shale	33	389
Clay and sand streaks	8	301	Shale	4	393
Shale, hard sandy	25	326	Sand	8	401
Sand and sandy shale	46	372	Shale	6	407
Clay, gravel and sandy clay	62	434	Sand and shale	20	427
Sand and sandy clay	18	452	Shale, hard	7	434
Sand and layers of clay	30	482	Sand	23	457
Clay and streaks of sand	18	500	Shale	9	466
Sand and sandy clay streaks	31	531	Sand	12	478
Clay, sticky and sand clay	33	564	Shale	4	482
Sand	13	577	Sand	8	490
Clay	8	585	Shale	6	496
Sand and sandy clay	17	602	Sand	12	508

Table 6.--Drillers' Logs of Wells in Liberty County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well SB-61-57-108--Continued			Well SB-61-58-303		
Shale and sandy shale	70	578	Owner: Price Daniel, Jr. Driller: J. W. Greak Water Well Service		
Sand, hard and shale	17	595	Clay	19	19
Shale, hard	1	596	Sand	31	50
Sand	12	608	Clay	113	163
Shale	9	617	Sand, fine	8	171
Sand	7	624	Clay	60	231
Shale	17	641	Sand	16	247
Sand and sandy shale	76	717	Well SB-61-59-510		
Shale	5	722	Owner: Raywood Water Supply Corp. Driller: Katy Drilling, Inc.		
Sand with hard streaks	53	775	Clay	50	50
Shale	9	784	Sand	25	75
Sand and hard streaks	28	812	Shale	215	290
Shale, sandy and hard streaks	9	821	Sand streaks, clay	60	350
Shale	16	837	Shale	65	415
Well SB-61-57-209			Sand streaks, clay	20	435
Owner: Felton Bollinger			Shale	100	535
Driller: Chapman Water Well Service			Sand	15	550
Clay	16	16	Shale	33	583
Sand, fine	2	18	Sand streaks, clay	39	622
Clay	17	35	Sand and clay streaks	33	655
Clay, sandy	4	39	Sand	25	680
Clay	79	118	Shale	10	690
Sand	10	128	Sand	10	700
Clay	19	147	Shale	25	725
Sand	28	175	Sand	71	796
Well SB-61-57-803			Well SB-64-01-108		
Owner: Cecil Hobby			Owner: Milton Chachere		
Driller: J. W. Greak Water Well Service			Driller: Chapman Water Well Service		
Clay	90	90	Clay	21	21
Sand, yellow	20	110	Sand, fine	2	23
Clay	100	210	Clay	35	58
Sand, white	20	230	Sand	4	62
Clay	60	290	Clay	9	71
Sand	40	330	Sand	19	90

Table 6.--Drillers' Logs of Wells in Liberty County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well SB-64-01-901 Owner: Trinity Water Conveyance System Well 2 Driller: Texas Water Wells, Inc.			Well SB-64-02-205 Owner: Trinity Water Conveyance System Well 1 Driller: Texas Water Wells, Inc.		
Clay	27	27	Clay	56	56
Shale	224	251	Shale, brown	57	113
Sand	59	310	Sand	34	147
Shale	33	343	Shale	12	159
Sand and shale streaks	26	369	Sand	15	174
Shale	2	371	Shale	43	217
Sand and shale streaks	13	384	Shale, hard blue	13	230
Shale	50	434	Sand and shale streaks	14	244
Sand, fine and gravel, shale streaks	18	452	Shale	52	296
Sand and shale	12	464	Sand	145	441
Sand and shale	18	482	Shale	35	476
Shale and sand	5	487	Sand	16	492
Shale	10	497	Shale	4	496
Shale, sandy	10	507	Sand	6	502
Shale, sandy	10	517	Shale, hard	26	528
Shale	10	527	Sand, shell and shale streaks	28	556
Sand	10	537	Sand	30	586
Sand and shale	10	547	Shale	4	590
Sand	10	557	Well SB-64-02-605 Owner: Moss Bluff Fire Department Driller: Finklea Water Well Drilling Co.		
Sand and shale	10	567	Surface	4	4
Sand	6	573	Clay, gray	8	12
Shale	6	579	Sand, coarse	17	29
Well SB-64-02-102 Owner: S. W. Franssen Driller: A&L Pump and Well Service			Clay, brown	72	101
Surface	5	5	Clay	28	129
Clay, red	25	30	Sand, fine white	31	160
Clay, blue	32	62	Well SB-64-02-901 Owner: Larry D. Fruge Driller: A&L Pump and Well Service		
Sand	43	105	Surface	5	5
Clay, yellow and red	75	180	Clay, red	50	55
Clay, blue	27	207	Sand	15	70
Sand	33	240	Clay, yellow	50	120
			Clay, blue	55	175
			Sand	23	198

Table 6.--Drillers' Logs of Wells in Liberty County--Continued

	THICKNESS (FEET)	DEPTH (FEET)
Well SE-64-04-709		
Owner: Gulf Oil Corp.		
Driller: George Bellenger Water Well Service		
Surface	33	33
Sand	4	37
Shale	90	127
Sand	35	162

Table 7.--Water Levels in Wells in Liberty County
(feet below land surface)

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well SB-60-40-903		Well SB-60-56-901--Continued		Well SB-60-64-302--Continued	
Owner: Roy Morton & Sons Elevation: 159		Mar. 16, 1970	77.62	Mar. 23, 1971	86.27
Oct. 20, 1965	45.73	Apr. 3, 1974	79.60	Feb. 28, 1972	84.19
Mar. 3, 1966	42.47	Well SB-60-56-902		Mar. 21, 1973	82.09
Oct. 10	44.27	Owner: E. J. Stoesser, Well 5 Elevation: 85		Apr. 3, 1974	84.06
Mar. 14, 1967	43.11	Oct. 21, 1965	106.16	Well SB-60-64-303	
Oct. 6	48.79	Oct. 11, 1966	102.25	Owner: Stoesser Farms, Inc., Well 6 Elevation: 85	
Mar. 27, 1968	44.25	Oct. 5, 1967	113.86	Mar. 13, 1967	78.20
Oct. 16, 1969	48.97	Mar. 26, 1968	86.50	Oct. 5	103.86
Mar. 18, 1970	45.09	Oct. 15	95.48	Mar. 26, 1968	77.72
Oct. 27	46.27	Mar. 27, 1969	80.26	Oct. 15	85.93
Feb. 29, 1972	47.37	Oct. 17	105.02	Mar. 27, 1969	73.70
Well SB-60-48-102		Mar. 16, 1970	91.35	Oct. 17	92.10
Owner: City of Cleveland, Well 1 Elevation: 157		Well SB-60-64-301		Mar. 16, 1970	82.21
Apr. 28, 1938	Flows	Owner: E. J. Stoesser, Well 2 Elevation: 82		Well SB-60-64-602	
Jan. 26, 1945	14.70	Oct. 11, 1966	96.25	Owner: E. J. Stoesser, Well 4 Elevation: 83	
Mar. 2, 1972	48.65	Mar. 13, 1967	82.72	Oct. 21, 1965	120.08
Mar. 21, 1973	47.81	Oct. 5	107.27	Mar. 1, 1966	94.15
Oct. 4	33.50	Mar. 26, 1968	81.98	Oct. 11	120.23
Mar. 29, 1974	46.07	Oct. 15	92.11	Mar. 13, 1967	99.99
Well SB-60-48-302		Mar. 27, 1969	77.30	Oct. 5	126.16
Owner: Vernon Ellledge, Well 2 Elevation: 153		Oct. 17	100.28	Mar. 26, 1968	102.52
Jan. 4, 1960	39.50	Mar. 16, 1970	87.02	Oct. 15	114.72
Mar. 26, 1965	41.20	Oct. 30	99.34	Mar. 27, 1969	96.73
Feb. 29, 1972	42.01	Mar. 23, 1971	97.94	Oct. 17	124.97
Mar. 14, 1973	40.32	Feb. 28, 1972	83.26	Mar. 16, 1970	106.86
Oct. 4	39.34	Mar. 21, 1973	82.13	Oct. 30	123.67
Mar. 29, 1974	33.50	Apr. 3, 1974	92.18	Mar. 23, 1971	115.32
Well SB-60-56-901		Well SB-60-64-302		Feb. 29, 1972	105.43
Owner: E. J. Stoesser, Well 3 Elevation: 86		Owner: Roy Seeburg Elevation: 82		Apr. 3, 1974	112.01
Oct. 21, 1965	87.76	Mar. 1, 1966	78.37	Well SB-60-64-901	
Oct. 11, 1966	91.56	Oct. 11	92.16	Owner: M. F. Zalesky Elevation: 70	
Mar. 13, 1967	84.83	Mar. 13, 1967	77.67	Jan. 27, 1960	79.60
Oct. 5	100.81	Oct. 5	99.30	Mar. 23, 1965	101.40
Mar. 26, 1968	74.65	Mar. 26, 1968	80.59	Mar. 1, 1966	89.7
Oct. 15	78.09	Oct. 15	94.27	Mar. 2, 1972	91.98
Mar. 27, 1969	66.31	Mar. 27, 1969	77.07	Mar. 14, 1973	103.27
Oct. 17	90.44	Oct. 30, 1970	97.87	Apr. 3, 1974	108

Table 7.--Water Levels in Wells in Liberty County--Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well SB-61-33-601		Well SB-61-33-706		Well SB-61-41-101--Continued	
Owner: C. Die Elevation: 126		Owner: Roy A. Morton & Sons Elevation: 161		Mar. 14, 1973	39.49
Oct. 20, 1965	66.80	Oct. 20, 1965	33.13	Oct. 4	39.07
Mar. 3, 1966	56.80	Mar. 3, 1966	31.53	Mar. 29, 1974	33.89
Oct. 10	57.32	Oct. 10	32.30	Well SB-61-41-701	
Mar. 14, 1967	60.20	Mar. 14, 1967	31.36	Owner: M. A. Scott Elevation: 128	
Oct. 6	64.61	Oct. 6	37.77	Oct. 14, 1966	57.26
Mar. 27, 1968	57.67	Mar. 27, 1968	32.44	Oct. 6, 1967	63.27
Mar. 28, 1969	56.30	Oct. 16	33.39	Mar. 27, 1968	59.46
Mar. 16	60.27	Mar. 28, 1969	32.56	Feb. 19, 1972	58.36
Mar. 18, 1970	56.85	Oct. 16	34.23	Mar. 14, 1973	56.02
Oct. 27	60.07	Mar. 18, 1970	32.88	Oct. 4	67.69
Mar. 20, 1971	58.40	Oct. 27	33.46	Mar. 29, 1974	51.83
Feb. 29, 1972	57.61	Mar. 20, 1971	33.25	Well SB-61-43-801	
Mar. 21, 1973	56.44	Feb. 29, 1972	34.03	Owner: A. L. Erickson Elevation: 93	
Oct. 4	56.05	Mar. 21, 1973	33.29	July 23, 1965	50.8
Mar. 29, 1974	54.97	Oct. 4	32.57	Feb. 29, 1972	47.12
Well SB-61-33-701		Mar. 29, 1974	33.47	Well SB-61-49-802	
Owner: Roy Elledge Elevation: 157		Well SB-61-33-708		Owner: W. A. Conners Elevation: 97	
Oct. 20, 1965	47.69	Owner: Roy A. Morton & Sons Elevation: 161		Jan. 7, 1960	80.5
Mar. 3, 1966	40.61	Oct. 10, 1966	45.55	Mar. 23, 1965	82.4
Oct. 10	46.46	Mar. 14, 1967	40.66	Mar. 1, 1966	79.5
Mar. 14, 1967	40.81	Mar. 27, 1968	40.57	Mar. 2, 1972	65.09
Oct. 6	50.92	Oct. 16	46.78	Mar. 13, 1973	64.35
Mar. 27, 1968	41.32	Mar. 28, 1969	39.87	Oct. 5	68.88
Oct. 16	45.43	Oct. 16	50.26	Apr. 3, 1974	64.79
Mar. 28, 1969	39.65	Mar. 18, 1970	41.96	Well SB-61-49-803	
Oct. 16	48.31	Oct. 27	43.16	Owner: W. A. Conners Elevation: 97	
Mar. 18, 1970	40.45	Mar. 20, 1971	39.18	Oct. 11, 1966	83.44
Oct. 27	44.28	Feb. 29, 1972	38.61	Mar. 13, 1967	67.46
Mar. 20, 1971	41.02	Mar. 21, 1973	38.12	Mar. 26, 1968	65.02
Feb. 29, 1972	42.74	Oct. 4	39.47	Mar. 27, 1969	56.99
Mar. 21, 1973	41.19	Mar. 29, 1974	36.50	Oct. 17	65.74
Oct. 4	46.98	Well SB-61-41-101		Mar. 16, 1970	65.77
Mar. 29, 1974	40.28	Owner: Vernon Elledge Elevation: 153		Oct. 30	66.97
		Jan. 4, 1960	45	Mar. 23, 1971	75.17
		Mar. 26, 1965	45.2	Feb. 28, 1972	63.89
		Mar. 3, 1966	42.4	Mar. 13, 1973	56.61
		Mar. 2, 1972	41.24		

Table 7.--Water Levels in Wells in Liberty County--Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well SB-61-49-803--Continued		Well SB-61-51-806--Continued		Well SB-61-57-506	
Oct. 5, 1973	60.67	Mar. 1, 1972	48.68	Owner: W. M. Moreau Elevation: 78	
Apr. 3, 1974	58.77	Mar. 22, 1973	56.88	Mar. 22, 1965	104.97
Well SB-61-49-805		Well SB-61-57-202		Mar. 1, 1966	104.94
Owner: W. A. Conners Elevation: 97		Owner: D. A. Reidland Elevation: 98		Mar. 14, 1967	110.48
Oct. 11, 1966	81	Jan. 18, 1960	83.2	Mar. 26, 1968	107.43
Mar. 13, 1967	63.98	Mar. 23, 1965	101.6	Mar. 27, 1969	106.69
Oct. 5	85	Mar. 1, 1966	90.4	Mar. 16, 1970	111.43
Mar. 23, 1971	52.6	Feb. 28, 1972	80.35	Mar. 23, 1971	113.21
Well SB-61-49-807		Oct. 5, 1973	83.75	Feb. 28, 1972	114.12
Owner: T. Wilburn Elevation: 97		Apr. 3, 1974	75.50	Mar. 13, 1973	113.94
Mar. 13, 1967	87.43	Well SB-61-57-204		Oct. 5	126.21
Oct. 5, 1968	92.93	Owner: D. A. Reidland Elevation: 94		Apr. 3, 1974	114.64
Mar. 27, 1969	84.36	Jan. 18, 1960	87	Well SB-61-57-702	
Mar. 16, 1970	91.34	Feb. 28, 1972	102.16	Owner: J. M. Frost, Jr., Well 1 Elevation: 67	
Feb. 28, 1972	92.24	Apr. 3, 1974	114.1	Mar. 2, 1972	114.54
Mar. 13, 1973	89.82	Well SB-61-57-301		Mar. 21, 1973	114.77
Oct. 5	98.41	Owner: Russ Mitchell, Well 4 Elevation: 83		Apr. 3, 1974	115.10
Apr. 3, 1974	90.45	Oct. 11, 1966	87.47	Well SB-61-57-703	
Well SB-61-51-102		Mar. 13, 1967	62.54	Owner: J. M. Frost, Jr., Well 2 Elevation: 67	
Owner: Frank Duke Elevation: 87		Oct. 6	63.60	Jan. 18, 1960	93.2
Jan. 8, 1960	44.57	Mar. 26, 1968	62.14	Mar. 1, 1966	101.2
Mar. 26, 1965	46.92	Oct. 15	61.76	Mar. 2, 1972	118.12
Mar. 1, 1966	46.4	Well SB-61-57-405		Mar. 21, 1973	117.27
Feb. 29, 1972	48.52	Owner: Leo Moreau Elevation: 78		Oct. 5	128.87
Mar. 22, 1973	46.68	Mar. 2, 1966	107.64	Apr. 3, 1974	118.07
Mar. 29, 1974	45.91	Mar. 14, 1967	112.42	Well SB-61-58-504	
Well SB-61-51-202		Mar. 26, 1968	109.9	Owner: City of Liberty, Well 3 Elevation: 32	
Owner: A. L. Erickson Elevation: 86		Mar. 27, 1969	109.39	Oct. 21, 1965	96.65
Feb. 29, 1972	39.81	Mar. 16, 1970	113.50	Mar. 3, 1966	69.82
Mar. 22, 1973	38.15	Mar. 23, 1971	115.55	Oct. 11	57.67
Well SB-61-51-806		Feb. 28, 1972	116.35	Mar. 13, 1967	49.92
Owner: Morgan Tippet Elevation: 68		Mar. 13, 1973	116.39	Oct. 5	73.47
Mar. 14, 1967	44.44	Oct. 5	129.07	Mar. 26, 1968	46.38
Mar. 27, 1968	48.14	Apr. 3, 1974	116.63	Mar. 28, 1969	53.71
Mar. 28, 1969	45.91			Mar. 16, 1970	72.98
Mar. 18, 1970	49.57			Oct. 30	75.47
				Mar. 23, 1971	66.11

Table 7.--Water Levels in Wells in Liberty County--Continued

DATE	WATER LEVEL	DATE	WATER LEVEL
Well SB-61-58-504--Continued		Well SB-61-59-501--Continued	
Mar. 2, 1972	69.27	Mar. 1, 1972	61.48
Mar. 13, 1973	72.35	Mar. 22, 1973	61.44
Oct. 5	80.54	Oct. 5	63.33
Apr. 3, 1974	65.40	Mar. 29, 1974	61.72
Well SB-61-58-505		Well SB-61-60-902	
Owner: Charles W. Fisher Elevation: 30		Owner: Willis Estate Elevation: 47	
Oct. 11, 1966	49.09	Mar. 13, 1967	34.91
Mar. 13, 1967	45.26	Mar. 27, 1968	35.80
Oct. 5	53.33	Mar. 18, 1970	39.73
Mar. 26, 1968	48.22	Mar. 1, 1972	40.04
Oct. 15	51.18	Mar. 22, 1973	39.67
Mar. 28, 1969	44.81	Oct. 5	41.37
Mar. 16, 1970	49.83	Well SB-64-03-303	
Mar. 23, 1971	51.63	Owner: Howard LaCour Elevation: 48	
Mar. 2, 1972	53.27	Mar. 25, 1965	38.7
Mar. 13, 1973	54.48	Mar. 1, 1966	30.9
Oct. 5	58.08	Mar. 1, 1972	36.13
Apr. 3, 1974	56.27		
Well SB-61-59-106			
Owner: Graves & Partlow Elevation: 72			
Mar. 2, 1972	57.65		
Mar. 22, 1973	54.73		
Well SB-61-59-301			
Owner: Hamill & Smith Elevation: 63			
Mar. 14, 1967	53.49		
Mar. 27, 1968	55.86		
Oct. 16, 1969	61.87		
Well SB-61-59-501			
Owner: C. F. Kallina Elevation: 66			
Oct. 14, 1966	73		
Mar. 14, 1967	59.70		
Oct. 6	77.73		
Oct. 16, 1968	74.65		
Mar. 28, 1969	68.07		
Mar. 18, 1970	61.25		
Oct. 27	68.37		
Mar. 20, 1971	61.29		

Table 8.--Chemical Analyses of Water from Wells in Liberty County
 When potassium (K) is reported, sodium and potassium are calculated and reported as sodium (Na)
 Water-bearing unit: 8, Evangeline aquifer

WELL	OWNER	DEPTH OR PRODUCING INTERVAL (FT)	WATER BEARING UNIT	DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (MG/L)	DIS- SOLVED MAN- GANESE (MN) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAGNE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED POTAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SUL- FATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED OTHER ANIONS (MG/L)	DIS- SOLVED BORON (B) (MG/L)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	HARD- NESS (CA, MG) (MG/L)	PER- CENT SODIUM	RE- SISTAL SODIUM CAR- BONATE (MGC)	SODIUM AB- SORP- TION RATIO (SAR)	SPECIFIC CONDUCT- ANCE (MICRO- MHOS) (CMHRS)	PR (UNITS)	TEM- PERA- TURE (°C)
1/SB-61-51-111	Hardin Water Supply Corp.	710-800	E	1-24-69	21	2/ 280	3/20	28	4.0	71	--	262	0	12	21	5/0.4	0.02	--	--	276	86	64	2.24	3.3	427	8.0	--

1/ Analyzed by Microbiology Service Laboratories
 2/ Total Iron (Fe)
 3/ Total manganese (Mn)
 4/ Total fluoride (F)

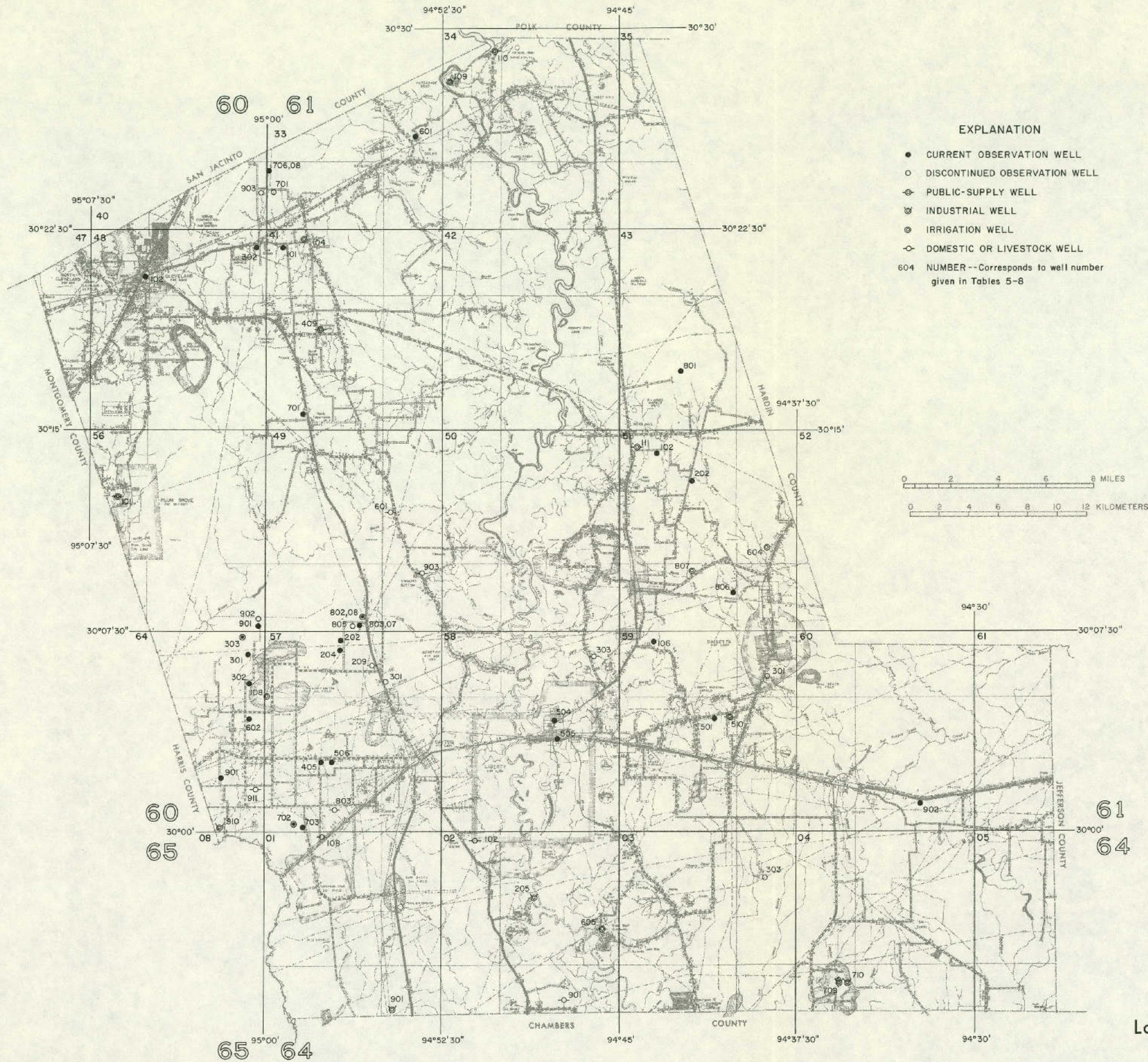


Figure 2
Locations of Wells in Liberty County

Base from Texas Highway Department county highway map

Table 9.--Records of Wells in Montgomery County

Water level : Reported water levels given in feet; measured water levels given in feet and tenths.
 Method of lift and type of power: Electric; G, gasoline, oil, butane, or diesel engine; Sub, submersible; T, turbine. Number indicates horsepower.
 Use of water : D, domestic; Ind, industrial; Irr, irrigation; N, none; P, public supply.
 Water-bearing units : C, Chicot aquifer; E, Evangeline aquifer; J, Jasper aquifer; JU, upper unit of Jasper aquifer.

No.	Owner	Driller	Date completed	Depth of well (ft.)	Casing		Water-bearing unit	Altitude of land surface (ft.)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft.)			Above (+) or below land surface datum (ft.)	Date of measurement			
TS-60-35-904	Cape Courco Subdivision	Keene Drilling Co.	1972	178	6	178	C	240	68 32.2	Nov. 14, 1972 June 15, 1974	Sub,E	P	Screen from 163 to 197 feet. <u>1/</u>
36-205	Corinthian Point, Ltd.	Texas Water Wells, Inc.	1972	530	-- 12	-- 530	J	250	51 49.2	Sept. 1972 July 16, 1974	T,E 75	F	95 feet of screen between 380 and 520 feet. Reported yield 604 gal/min with 171 feet drawdown when drilled. Test hole drilled to 1,263 feet. <u>1/</u>
# 505	Point Aquarius Municipal Utility District	Layne-Texas Co.	1972	640	16 10	440 640	J	190	40.5	May 22, 1972	T,E	P	140 feet of screen between 450 and 610 feet. Reported yield 780 gal/min with 91 feet drawdown when drilled. Test hole drilled to 1,009 feet. <u>1/</u>
602	San Jacinto Girl Scouts	Lowry Water Wells	1967	694	4 2 1/2	652 694	E	320	115	June 15, 1967	Sub,E 5	F	32 feet of screen between 652 and 688 feet. <u>1/</u>
603	Charles H. Boyd	Con-Tex Water Well Co.	1971	300	4 2 1/2	279 300	C	275	134	Apr. 1, 1971	Sub,E	D	Screen from 290 to 300 feet.
# 604	Gulf States Utilities, Well 2	Layne-Texas Co.	1969	782	14 8	560 782	JU	295	74	Oct. 1, 1969	Sub,E 75	Ind	102 feet of screen between 571 and 771 feet. Reported yield 650 gal/min with 74 feet drawdown when drilled. <u>1/</u>
# 605	Gulf States Utilities, Well 1	do.	1968	787	20 14	460 787	JU	295	70	June 10, 1968	Sub,E 75	Ind	155 feet of screen between 468 and 772 feet. Reported yield 1,401 gal/min with 77 feet drawdown when drilled. Test hole drilled to 1,150 feet. <u>1/</u>
808	Art Miller	Con-Tex Water Well Co.	1971	232	4 2 1/2	215 232	C	170	29	Feb. 22, 1971	Sub,E	D	Screen from 222 to 232 feet. <u>1/</u>
# 809	Montgomery County Utility District No. 2, Seven Coves	Layne-Texas Co.	1972	740	16 10	440 740	J	238	37 34.1	June 22, 1972 July 16, 1974	T,E 125	P	160 feet of screen between 450-725 feet. Reported yield 754 gal/min with 56 feet drawdown when drilled. Test hole drilled to 1,250 feet. <u>1/</u>
905	C. F. Grayum	Con-Tex Water Well Co.	1970	347	4 2 1/2	326 347	C	320	141	June 4, 1970	Sub,E	D	Screen from 337 to 347 feet. <u>1/</u>
37-106	Lake Louise	do.	1970	340	6 4	298 340	C	300	96	Nov. 19, 1970	--	D	Screen from 315 to 335 feet. <u>1/</u>
107	Jim Oliver	do.	1971	279	4 2 1/2	248 279	C	300	107	Aug. 2, 1971	--	D	Screen from 250 to 260 feet. <u>1/</u>
410	Kenneth Roach	do.	1972	409	4 2 1/2	384 409	C	370	161	Apr. 5, 1972	Sub,E	D	Screen from 399 to 409 feet. <u>1/</u>
506	Harry Oxspring	Patterson Water Well Service	1970	338	4 2 1/2	315 338	C	300	126	Jan. 1970	Sub,E	D	Screen from 328 to 338 feet. <u>1/</u>
709	Phillip Yorek	Con-Tex Water Well Co.	1971	309	4 2 1/2	292 320	C	320	146	Apr. 8, 1971	--	D	Screen from 299 to 309 feet. <u>1/</u>

See footnotes at end of table.

Table 9.--Records of Wells in Montgomery County--Continued

No.	Owner	Driller	Date completed	Depth of well (ft.)	Casing		Water-bearing unit	Altitude of land surface (ft.)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft.)			Above (+) or below land surface datum (ft.)	Date of measurement			
TS-60-37-710	E. H. Driscoll	Con-Tex Water Well Co.	1967	346	4 2 1/2	336 346	C	320	141	Aug. 7, 1967	Sub,E 1	D	Screen from 336 to 346 feet. <u>1/</u>
907	Royal Forest Utility Co.	B. J. Swinehart Co.	1970	508	6 4	461 508	E	290	82	Dec. 1971	Sub,E	P	Screen from 462 to 507 feet. <u>1/</u>
38-703	Morris Creighton	Con-Tex Water Well Co.	1970	192	4 2 1/2	174 192	C	233	45	Sept. 9, 1970	--	D	Screen from 182 to 192 feet. <u>1/</u>
43-103	Lewis A. Richards	do.	1968	222	4 2 1/2	209 222	C	250	51	Feb. 6, 1968	Sub,E 1	D	Screen from 212 to 222 feet. <u>1/</u>
204	John Martin	do.	1967	332	4 2 1/2	322 332	E	250	52	July 20, 1967	Sub,E 2	D	Screen from 322 to 332 feet. <u>1/</u>
205	Cecil Boulevard	do.	1971	295	4 2 1/2	276 295	C	300	121	May 31, 1971	Sub,E	D	Screen from 279 to 289 feet. <u>1/</u>
305	Johnnie Lapaglia	Patterson Water Well Service	1972	238	4 2 1/2	225 238	E	220	54	Feb. 17, 1972	--	D	<u>1/</u>
306	Roman Hills Subdivision	Katy Drilling, Inc.	1973	500	12	500	J	250	81	July 3, 1973	T,G	D,Irr	190 feet of slotted pipe between 310 and 500 feet. Reported yield 243 gal/min with 160 feet drawdown when drilled. Test hole drilled to 700 feet. <u>1/</u>
505	W. K. Thompson	Falkenburg Drilling Co.	1971	55	4	55	C	355	--	--	Sub,E	D	Screen from 45 to 55 feet. <u>1/</u>
506	Harold L. Cones	Dietz Pump & Well Service	1972	411	4 2 1/2	403 411	E	325	197	May 3, 1972	Sub,E	D	Screen from 403 to 411 feet. <u>1/</u>
507	R. D. Knott	Con-Tex Water Well Co.	1971	343	4 2 1/2	321 343	E	310	136	Mar. 4, 1971	Sub,E	D	Screen from 330 to 340 feet. <u>1/</u>
508	Ray Ludlick	Turbine Pump Service	1971	350	4 2 1/2	338 350	E	265	137	Apr. 1971	--	D	Screen from 338 to 348 feet. <u>1/</u>
509	C. B. Buahl	Con-Tex Water Well Co.	1971	362	4 2 1/2	331 362	E	295	111	Mar. 1, 1971	E	D	Screen from 352 to 362 feet. <u>1/</u>
510	Lake 177, O. A. Gerloff	do.	1968	446	6 4	350 446	E	330	154	July 1968	Sub,E 7 1/2	P	Screen from 431 to 446 feet. Supplies subdivision. <u>1/</u>
44-106	Lake Conroe Forest Subdivision	Katy Drilling, Inc.	1971	995	8 4 1/2	785 995	E	225	55	Oct. 12, 1972	T,E 20	F	Screen from 800 to 995 feet. Reported yield 259 gal/min with 105 feet drawdown when drilled. <u>1/</u>
107	Webb Melder	Con-Tex Water Well Co.	1972	390	4 2 1/2	375 390	E	220	98	Jan. 19, 1972	--	D	Screen from 380 to 390 feet. <u>1/</u>
108	Bob McCallaugh	do.	1971	396	4 2 1/2	374 396	E	275	66	June 24, 1971	Sub,E	D	Screen from 386 to 396 feet. <u>1/</u>

See footnotes at end of table.

Table 9.--Records of Wells in Montgomery County--Continued

No.	Owner	Driller	Date completed	Depth of well (ft.)	Casing		Water-bearing unit	Altitude of land surface (ft.)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft.)			Above (+) or below land surface datum (ft.)	Date of measurement			
TS-60-44-109	April Sound Subdivision	Con-Tex Water Well Co.	1973	694	6 4	628 694	J	240	55	Aug. 13, 1973	Sub,E	D,Irr	Screen from 634 to 694 feet. Supplies golf course and lake. <u>1/</u>
110	do.	do.	1973	697	6 4	-- --	J	240	50	Apr. 10, 1973	Sub,E	N	Screen from 667 to 697 feet. <u>1/</u>
207	Remus Puitz	Patterson Water Well Service	1971	276	4 2 1/2	253 276	E	150	43	May 1971	--	D	Screen from 266 to 276 feet. Reported yield 30 gal/min when drilled. <u>1/</u>
307	William Hill	Con-Tex Water Well Co.	1971	433	4 2 1/2	405 433	E	285	128	Oct. 5, 1971	Sub,E	D	Screen from 418 to 433 feet. <u>1/</u>
308	Walt Blanchard	do.	1971	457	4 2 1/2	428 457	E	210	79	July 21, 1971	Sub,E	D	Screen from 447 to 457 feet. <u>1/</u>
309	Jack Moore	do.	1971	435	4 2 1/2	405 435	E	245	101	Sept. 28, 1971	--	D	Screen from 425 to 435 feet. <u>1/</u>
310	Walton Plant Farm	Patterson Water Well Service	1969	438	4 2 1/2	411 438	E	260	69	Mar. 1969	Sub,E 5	Irr	Screen from 428 to 438 feet. <u>1/</u>
405	Lake Forest Lodge	do.	1971	440	4 2 1/2	423 440	E	255	93	Mar. 1971	T,E 5	D	Screen from 430 to 440 feet. Supplies three homes. <u>1/</u>
406	Lake Bonanza Association	do.	1971	406	4 2 1/2	380 406	E	295	131	Aug. 7, 1971	Sub,E	Irr	Screen from 396 to 406 feet. Irrigates golf course. <u>1/</u>
407	Benny Eldred	Con-Tex Water Well Co.	1967	409	4 2 1/2	399 409	E	250	106	Aug. 29, 1967	Sub,E 2	D	Screen from 399 to 409 feet. <u>1/</u>
45-109	Classic School	do.	1970	482	4 2 1/2	453 482	E	185	106	July 30, 1970	--	P	Screen from 472 to 482 feet. <u>1/</u>
110	Dillinger	do.	1970	400	4 2 1/2	372 400	E	275	109	Mar. 9, 1970	Sub,E	D	Screen from 390 to 400 feet. <u>1/</u>
205	Roe McHaney	do.	1971	580	4 2 1/2	557 580	E	205	58	Nov. 4, 1971	Sub,E	D	Screen from 570 to 580 feet. <u>1/</u>
410	McParlone	do.	1972	533	4 2 1/2	500 533	E	170	88	Feb. 9, 1972	--	D	Screen from 515 to 525 feet. <u>1/</u>
512	Pat's Feed Store	J&J Water Well	1969	385	2	385	E	200	--	--	Sub,E	D	Screen from 380 to 385 feet. <u>1/</u>
711	San Jacinto Girl Scouts	Lowry Water Wells	1972	623	4 2 1/2	540 623	E	127	16	Feb. 4, 1972	--	P	Screen from 540 to 565 feet. <u>1/</u>
46-205	Wolfe Nursery	Patterson Water Well Service	1972	173	4 2 1/2	160 173	C	195	33	Mar. 16, 1972	Sub,E	Irr	Screen from 163 to 173 feet. <u>1/</u>
806	White Oak Valley Subdivision	Walker Well Service	1970	690	4 2 1/2	525 690	E	155	24	Dec. 14, 1970	--	P	Screen from 670 to 690 feet. Reported yield 100 gal/min with 50 feet drawdown when drilled. <u>1/</u>

See footnotes at end of table.

Table 9.--Records of Wells in Montgomery County--Continued

No.	Owner	Driller	Date completed	Depth of well (ft.)	Casing		Water-bearing unit	Altitude of land surface (ft.)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft.)			Above (+) or below land surface datum (ft.)	Date of measurement			
YS-60-50-303	Toby Smith, Water & Lumber Co.	Hildebrandt Service	1968	570	6 4	234 570	E	270	139	Apr. 26, 1968	Sub,E	P	Screen from 542 to 570 feet. <u>1/</u>
51-205	Johnny Lee	R. W. Littles Water Well Service	1970	210	4	210	C	240	72	Feb. 1972	Sub,E	D	Screen from 200 to 210 feet.
404	Gripple Creek North	B. J. Swinshart Co.	1968	634	4 2 1/2	612 634	E	255	131	Apr. 10, 1968	Sub,E	P	Screen from 614 to 634 feet. <u>1/</u>
405	Hazy Hollow Subdivision, Well 6	Schoppa Water Well Service	1971	610	4 2 1/2	567 610	E	225	117	May 25, 1971	--	P	Screen from 580 to 610 feet. <u>1/</u>
406	Hazy Hollow Subdivision, Well 7	do.	1972	693	4 2 1/2	651 693	E	245	120	Apr. 5, 1971	--	P	Screen from 663 to 693 feet. <u>1/</u>
407	Hazy Hollow Subdivision, Well 3	Walker Well Service	1969	430	4 2 1/2	387 430	E	256	100	Aug. 1969	--	P	Screen from 410 to 430 feet. <u>1/</u>
508	Lester Goodson	Lowry Water Wells	1972	685	4 2 1/2	658 685	E	187	143	Mar. 27, 1972	Sub,E	D	Screen from 668 to 678 feet. <u>1/</u>
509	Hazy Hollow Subdivision	Walker Well Service	1970	430	4 2 1/2	400 430	C	255	99	May 1970	--	P	Screen from 410 to 430 feet. Reported yield 70 gal/min with 40 feet drawdown when drilled. <u>1/</u>
510	Southwestern Bell Telephone	Lowry Water Wells	1971	612	4 2 1/2	590 612	E	220	116	Mar. 4, 1971	Sub,E	Ind	Screen from 592 to 612 feet. <u>1/</u>
805	Johnnie Clepper	Schoppa Water Well Service	1970	210	4 2 1/2	195 210	C	215	45	Oct. 25, 1970	Sub,E 3	D	Screen from 195 to 210 feet. <u>1/</u>
806	Mid South Corp.	Walker Well Service	1969	281	4	281	C	220	99	Nov. 29, 1969	Sub,E 2	Ind	Screen from 273 to 281 feet. <u>1/</u>
52-404	Mitchell & Mitchell	Falkenbury Drilling Co.	1969	220	4	220	C	200	63	June 8, 1969	--	D	Screen from 210 to 220 feet. <u>1/</u>
405	do.	do.	1969	220	4	220	C	200	59	June 10, 1969	--	D	Screen from 210 to 220 feet. <u>1/</u>
707	Billy Medearis, Jr.	Hildebrandt Service	1970	126	4	126	C	165	11	Jan. 1970	--	D	Screen from 116 to 126 feet. <u>1/</u>
53-107	Exxon Co.	H&H Water Well Drilling	1969	217	4 2 1/2	180 217	E	115	20	June 13, 1969	Sub,E 1	Ind	Screen from 207 to 217 feet. Supplies service station. <u>1/</u>
205	Lazy River Improvement District, Riverbrook Addition	Layne-Texas Co.	1968	740	10 6	620 740	E	115	20	June 10, 1968	T,E	P	71 feet of screen between 630 and 728 feet. Reported yield 372 gal/min with 88 feet drawdown when drilled. <u>1/</u>
# 206	River Plantation Municipal Utility District, Well 2	do.	1970	1,260	16 10	690 1,260	JU	115	Flowing	Apr. 3, 1970	T,E	P	150 feet of screen between 799 and 1,250 feet. Reported yield 1,023 gal/min after 48 hours when drilled. Flowing 328 gal/min, 3 feet above surface after 7 hours. Shut down. Test hole drilled to 1,373 feet. <u>1/</u>

See footnotes at end of table.

Table 9.--Records of Wells in Montgomery County--Continued

No.	Owner	Driller	Date completed	Depth of well (ft.)	Casing		Water-bearing unit	Altitude of land surface (ft.)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft.)			Above (+) or below land surface datum (ft.)	Date of measurement			
TS-60-53-207	Riverbrook Subdivision	Con-Tex Water Well Co.	1968	170	6 4	153 170	E	125	3	May 9, 1968	Sub,E	Irr	Screen from 155 to 170 feet. Supplies lake. <u>1/</u>
312	Richard P. Stadele, Magnolia Bend Subdivision	Nelson Water Wells	1968	126	2	126	E	110	--	--	J,E 1	D	Screen from 121 to 126 feet.
511	Shenandoah Valley Municipal Utility District	Katy Drilling, Inc.	1972	708	10 6	426 708	E	145	92	Apr. 1972	T,E 30	P	265 feet of screen between 433 and 698 feet. Reported yield 440 gal/min with 200 feet drawdown when drilled. <u>1/</u>
512	Ashford Forest Subdivision	Lowry Water Wells	1968	695	4 2 1/2	669 695	E	145	73	Oct. 11, 1968	Sub,E 5	F	25 feet of screen between 667 and 692 feet. <u>1/</u>
708	Montgomery County WC&ID No. 1, Timber Lake Estates	Texas Water Wells, Inc.	1968	1,180	-- 10	-- 1,180	E	135	71	Mar. 1968	T,E 100	F	166 feet of screen between 794 and 1,170 feet. Reported yield 1,000 gal/min with 165 feet drawdown when drilled. Test hole drilled to 1,410 feet. <u>1/</u>
811	Lake Chateau Woods	Lowry Water Wells	1967	383	4 2 1/2	345 383	E	137	50	Jan. 5, 1967	Sub,E 5	P	Screen from 353 to 383 feet.
812	Oak Ridge North Subdivision	E. L. Bode Drilling Co.	1968	244	4 2 1/2	212 244	E	126	57	June 7, 1968	Sub,E 5	P	Screen from 224 to 244 feet. <u>1/</u>
813	Montgomery County FWSD No. 2	Katy Drilling, Inc.	1970	996	16 10	510 996	E	117	93	Oct. 1970	T,E	P	Reported yield 1,200 gal/min with 210 feet drawdown when drilled. <u>1/</u>
814	Oak Ridge North Subdivision	Texas Water Wells, Inc.	1969	1,010	-- 10	-- 1,010	E	129	73	May 2, 1969	T,E 125	F	160 feet of screen between 730 and 1,000 feet. Reported yield 1,001 gal/min with 109 feet drawdown when drilled. <u>1/</u>
815	Jack Jones	Con-Tex Water Well Co.	1969	238	2	238	E	120	43	Feb. 28, 1969	J,E 3/4	D	Screen from 233 to 238 feet. <u>1/</u>
816	Lake Chateau Woods	Lowry Water Wells	1971	380	6 4	357 380	E	137	67	Oct. 11, 1971	Sub,E	P	Screen from 349 to 369 feet. <u>1/</u>
55-309	Texaco, Inc.	do.	1972	284	4 2 1/2	264 284	E	110	23	June 2, 1972	Sub,E	Ind	Screen from 260 to 275 feet. Supplies service station. <u>1/</u>
310	T. F. Howland	Schoppa Water Well Service	1971	340	4 2 1/2	325 340	E	123	42	Jan. 21, 1971	Sub,E 1	D	Screen from 330 to 340 feet. <u>1/</u>
311	George Bullock	Con-Tex Water Well Co.	1971	422	4 2 1/2	405 422	E	118	51	Sept. 2, 1971	Sub,E	D	Screen from 412 to 422 feet. <u>1/</u>
508	Southwestern Bell Telephone	Lowry Water Wells	1970	388	4 2 1/2	372 388	E	110	52	Feb. 2, 1970	Sub,E 1 1/2	Ind	Screen from 368 to 383 feet. <u>1/</u>
604	Roman Forest Subdivision	Katy Drilling, Inc.	1973	683	12	683	E	105	74	Aug. 1973	T,E 20	Irr	Casing slotted from 287 to 683 feet. Reported yield 1,158 gal/min with 116 feet drawdown when drilled. Irrigates golf course. <u>1/</u>

See footnotes at end of table.

Table 9.--Records of Wells in Montgomery County--Continued

No.	Owner	Driller	Date completed	Depth of well (ft.)	Casing		Water-bearing unit	Altitude of land surface (ft.)	Water level		Method of lift	Use of water	Remarks
					Diameter (in.)	Depth (ft.)			Above (+) or below land surface datum (ft.)	Date of measurement			
# TS-60-55-605	Roman Forest Public Utility District, Well 1	Layne-Texas Co.	1971	1,315	16 10	900 1,315	E	105	25	Aug. 26, 1971	T,E	P	210 feet of screen between 908 and 1,305 feet. Reported yield 1,033 gal/min with 169 feet drawdown when drilled. Test hole drilled to 2,000 feet. <u>1/</u>
706	Gulf Oil Co.	Lowry Water Wells	1972	225	4 2 1/2	238 255	E	95	44	June 26, 1972	Sub,E	P	Screen from 238 to 248 feet. Supplies service station. <u>1/</u>
62-304	City of Porter	Lanford Drilling Co.	1972	823	10 6	780 823	E	105	91	June 15, 1972	Sub,E	P	Screen from 782 to 822 feet. Reported yield 200 gal/min with 134 feet drawdown when drilled. <u>1/</u>
63-107	Porter Water Supply Corp.	Layne-Texas Co.	1968	762	10 6	660 762	E	87	79	Dec. 19, 1968	--	P	70 feet of screen between 670 and 750 feet. Reported yield 285 gal/min with 18 feet drawdown when drilled. <u>1/</u>

See table 12 for chemical analyses of water from wells.

1/ See table 10 for drillers' logs of wells.

2/ See table 11 for water levels in wells.

Table 10.--Drillers' Logs of Wells in Montgomery County

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-35-904 Owner: Cape Conroe Subdivision Driller: Koene Drilling Co.			Well TS-60-36-505--Continued		
			Rock	2	254
Filled in area	15	15	Shale	158	412
Sand rock, hard	15	30	Shale and sand streaks	188	600
Clay with shale streaks	115	145	Shale	5	605
Sand, broken	14	159	Sand	5	610
Sand, good	21	180	Shale and few sand streaks	185	795
Well TS-60-36-205 Owner: Corinthian Point, Ltd. Driller: Texas Water Wells, Inc.			Sand	6	801
Sand and red clay	85	85	Shale	26	827
Sand, hard	27	112	Sand, fine	25	852
Clay, sandy	50	162	Shale	83	935
Sand	25	187	Sand, fine	19	954
Shale, sandy and shale	96	283	Shale	18	972
Sand	29	312	Sand, fine	12	984
Shale and sandy shale	56	368	Shale and few sand streaks	25	1,009
Sand	84	452	Well TS-60-36-602 Owner: San Jacinto Girl Scouts Driller: Lowry Water Wells		
Shale	30	482	Surface and red and yellow clay	72	72
Sand	35	517	Sand, top broken	12	84
Shale	208	719	Clay, gray and broken	78	162
Sand	18	737	Sand	12	174
Shale	58	795	Clay, gray and broken	66	240
Sand	67	862	Sand	40	280
Shale	70	932	Shale, tough	44	324
Sand	15	947	Sand and rocks	24	348
Shale	85	1,032	Shale, sandy	4	352
Sand	66	1,098	Sand	32	384
Shale	157	1,255	Shale, sandy	21	405
Well TS-60-36-505 Owner: Point Aquarius Municipal Utility District Driller: Layno-Texas Co.			Sand	37	442
Topsoil	3	3	Shale, tough and sandy	150	592
Clay	77	80	Sand	6	598
Sand	28	108	Shale, tough and sticky	24	622
Clay and sand streaks	22	130	Sand	24	646
Sand	122	252	Shale, broken, sandy	6	652
			Sand	20	672

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-36-602--Continued			Well TS-60-36-605		
			Owner: Gulf States Utilities, Well 1		
			Driller: Layne-Texas Co.		
Shale, sand, broken	4	676	Clay	32	32
Sand	12	688	Sand with clay streaks	30	62
Shale, sticky	1	689	Clay with sand streaks	56	118
Shale, very sandy, broken	5	694	Sand	10	128
Well TS-60-36-604			Shale and clay	35	163
Owner: Gulf States Utilities, Well 2			Sand	18	181
Driller: Layne-Texas Co.			Sand and clay streaks	35	216
Clay, hard	52	52	Shale with few sand streaks	15	231
Clay and gravel and rock layers	23	75	Sand, broken	21	252
Clay and hard streaks	40	115	Shale with few sand breaks	14	266
Sand and sandy streaks	21	136	Sand with few shale breaks	30	296
Clay and sticky clay	36	172	Shale with few sand breaks	9	305
Clay, sandy and sand	43	215	Sand with few shale breaks	10	315
Shale, sandy and sand	30	245	Shale, sandy	10	325
Sand and shale breaks	15	260	Sand and shale breaks	7	332
Sand	15	275	Sand with shale breaks	35	367
Shale, hard	2	277	Shale	11	378
Shale, sandy and sand	30	307	Sand	13	391
Shale	5	312	Clay	8	399
Shale, sandy and sand	17	329	Shale and sandy shale	17	416
Sand, gray	31	360	Shale and sandy shale	37	483
Shale, sandy	32	392	Shale	7	460
Shale, sticky	72	464	Sand	1	461
Sand and shale streaks	21	485	Shale	21	482
Sand, fine	12	497	Clay and sand streaks	17	499
Shale, hard	49	546	Shale with small layers of rock	31	530
Sand and shale breaks	30	576	Clay	12	542
Shale, sandy and shale breaks	24	600	Sand	1	543
Shale, hard	5	605	Clay, sandy clay, hard streaks	20	563
Shale, sandy and sand	15	620	Clay, hard sandy streaks	48	611
Sand and shale streaks	28	648	Sand	9	620
Shale	36	684	Shale, sandy	12	632
Shale and sand streaks	28	712	Sand	9	641
Shale	25	737			
Sand	32	769			
Shale	31	800			

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-36-605--Continued			Well TS-60-36-808--Continued		
Shale, sandy	19	660	Clay with hard streaks	97	183
Shale	10	670	Sand	13	196
Shale	7	677	Shale	11	207
Shale, sandy and sand breaks	43	720	Sand	25	232
Shale	19	739	Well TS-60-36-809		
Sand	30	769	Owner: Montgomery County		
Shale	11	780	Utility District No. 2, Seven Coves		
Shale	6	786	Driller: Layne-Texas Co.		
Shale	4	790	Topsoil	2	2
Shale, sandy with sand breaks	20	810	Clay and few sand streaks	78	80
Shale, sandy shale and breaks of sand	61	871	Sand and clay	30	110
Shale	7	878	Clay	10	120
Sand	2	880	Sand	80	200
Shale with sand streaks	5	885	Sand and shale streaks	20	220
Shale, sandy	27	912	Shale and sand streaks	20	240
Shale with sand streaks	80	992	Sand	52	292
Shale with sand streaks	90	1,082	Shale	88	380
Shale	30	1,112	Shale and sand streaks	40	420
Shale	11	1,123	Shale	30	450
Shale and sandy shale	27	1,150	Sandy, shale	150	600
Well TS-60-36-603			Shale and sand streaks	18	618
Owner: Charles H. Boyd			Sand and few shale streaks	52	670
Driller: Con-Tex Water Well Co.			Shale	10	680
Clay	124	124	Sand	18	698
Sand, hard	12	136	Shale and sand streaks	11	709
Shale with hard streaks	120	256	Sand	10	719
Sand, brown	14	270	Shale and lime	46	765
Shale	7	277	Sand	6	771
Sand	23	300	Shale and lime	29	800
Well TS-60-36-808			Shale and lime	77	877
Owner: Art Miller			Shale	15	892
Driller: Con-Tex Water Well Co.			Shale and sand streaks	73	965
Clay with lime streaks	43	43	Shale	45	1,010
Sand	3	46	Shale and sand streaks	68	1,078
Clay	39	85	Shale and few sand streaks	172	1,250
Rock	1	86			

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-36-905 Owner: C. F. Grayum Driller: Con-Tex Water Well Co.			Well TS-60-37-107 Owner: Jim Oliver Driller: Con-Tex Water Well Co.		
Clay	236	236	Surface sand and clay	20	20
Sand	4	240	Sand	25	45
Clay	19	259	Clay	23	68
Sand	14	273	Clay with hard streaks	12	80
Clay	2	275	Clay	101	181
Sand	7	282	Sand with shale	8	189
Clay	44	326	Sand	13	202
Sand	21	347	Rock	3	205
Well TS-60-37-106 Owner: Lake Louise Driller: Con-Tex Water Well Co.			Sand	6	211
Clay	25	25	Shale	24	235
Sand	20	45	Sand	8	243
Shale with hard streaks	25	70	Shale	6	249
Sand	8	78	Sand	11	260
Shale with hard streaks	112	190	Shale with sand streaks	19	279
Sand with streaks	7	197	Well TS-60-37-410 Owner: Kenneth Roach Driller: Con-Tex Water Well Co.		
Sand	7	204	Surface sand and clay	36	36
Rock	1	205	Sand	13	49
Shale	26	231	Clay	66	115
Sand	9	240	Sand	21	136
Rock	1	241	Clay	20	156
Sand	30	271	Sand with hard streaks	21	177
Shale	3	274	Rock	5	182
Sand with streaks	8	282	Clay with hard streaks	149	331
Rock	1	283	Sand	9	340
Shale with hard streaks	6	289	Shale	6	346
Rock	4	293	Sand	8	354
Shale	2	295	Shale	29	383
Sand with shale	10	305	Sand	26	409
Sand	30	335			
Shale	5	340			

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-37-506 Owner: Harry Oxspring Driller: Patterson Water Well Service			Well TS-60-37-710 Owner: F. H. Driscoll Driller: Con-Tex Water Well Co.		
Clay	12	12	Clay	110	110
Sand	10	22	Clay with hard streaks	10	120
Clay	32	54	Sand with hard streaks	14	134
Rock	2	56	Rock	1	135
Clay	59	115	Sand	15	150
Sand	45	160	Rock	2	152
Rock	5	165	Clay with sand	6	158
Clay	40	205	Clay	96	254
Rock	5	210	Rock	3	257
Clay	50	260	Clay	2	259
Rock	2	262	Sand	14	273
Clay	18	280	Clay	2	275
Rock	2	282	Sand	5	280
Clay	35	317	Clay	41	321
Sand	21	338	Sand	5	326
Well TS-60-37-709 Owner: Phillip Yorek Driller: Con-Tex Water Well Co.			Clay	3	329
Clay with sand streaks	40	40	Sand	17	346
Clay	95	135	Well TS-60-37-907 Owner: Royal Forest Utility Co. Driller: B. J. Swinehart Co.		
Shale with hard streaks	16	151	Surface sand	7	7
Sand	16	167	Clay	18	25
Shale	45	212	Clay and sand	9	34
Rock	3	215	Clay	36	70
Shale	55	270	Sand	10	80
Sand, brown	10	280	Clay	42	122
Shale	11	291	Clay, sand and rock	72	194
Sand	18	309	Rock, sand	13	207
			Sand, fine	32	239
			Clay	117	356
			Sand, fine	13	369
			Clay	9	378
			Sand	17	395
			Clay	16	411
			Sand	18	429

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-37-907--Continued			Well TS-60-43-204 Owner: John Martin Driller: Con-Tex Water Well Co.		
Clay	30	459			
Sand	48	507	Sand	22	22
Clay	1	508	Clay	29	51
Well TS-60-38-703 Owner: Morris Creighton Driller: Con-Tex Water Well Co.			Rock	1	52
			Clay with hard streaks	135	187
Surface sand	12	12	Clay, sandy and rock	125	312
Clay	20	32	Rock	1	313
Sand	18	50	Sand	19	332
Clay	5	55	Well TS-60-43-205 Owner: Cecil Boulevard Driller: Con-Tex Water Well Co.		
Sand	3	58	Clay	32	32
Clay	8	66	Sand with hard streaks	13	45
Sand	29	95	Clay	55	100
Clay	37	132	Sand with hard streaks	18	118
Rock	3	135	Clay	56	174
Clay	37	172	Sand	12	186
Clay with hard streaks	4	176	Shale with hard streaks	4	190
Sand	16	192	Sand	6	196
Clay	3	195	Shale	23	219
Well TS-60-43-103 Owner: Lewis A. Richards Driller: Con-Tex Water Well Co.			Sand, shale and hard streaks	8	227
Clay	40	40	Shale	42	269
Sand, hard streaks	12	52	Sand	21	290
Rock	1	53	Shale	5	295
Clay	55	108	Well TS-60-43-305 Owner: Johnnie Lapaglia Driller: Patterson Water Well Service		
Sand, hard streaks	28	136	Clay, hard red and rock	85	85
Sand with clay streaks	9	145	Clay	20	105
Sand	6	151	Clay and rock	10	115
Sand with clay streaks	7	158	Sand and rock	15	130
Clay	52	210	Clay	70	200
Sand	12	222	Sand, water bearing	38	238

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-43-306 Owner: Roman Hills Subdivision Driller: Katy Drilling, Inc.			Well TS-60-43-505 Owner: W. K. Thompson Driller: Falkenbury Drilling Co.		
Clay, surface	38	38	Sand	18	18
Clay, brown	31	69	Rock	4	22
Clay, blue	16	85	Clay	13	35
Clay	10	95	Sand	20	55
Sand	5	100	Well TS-60-43-506 Owner: Harold L. Cones Driller: Dietz Pump and Well Service		
Clay	32	132	Clay, red	67	67
Shale	31	163	Clay, white	36	103
Clay, sand streaks	31	194	Shale, hard	51	154
Sand, clay streaks	31	225	Sand	8	162
Sand	15	240	Shale, hard, white	44	206
Sand	1	241	Shale, sandy	116	322
Shale	69	310	Sand	5	327
Sand	20	330	Shale, sandy	74	401
Clay	12	342	Sand	10	411
Sand	18	360	Well TS-60-43-507 Owner: R. D. Knott Driller: Con-TEX Water Well Co.		
Clay	17	377	Clay	53	53
Sand	28	405	Sand with clay	7	60
Clay	24	429	Clay	10	70
Clay	15	444	Sand	25	95
Sand	10	454	Clay	226	321
Sand with clay streaks	10	464	Sand	19	340
Sand, stone	11	475	Lime with shale	3	343
Sand	16	491	Well TS-60-43-508 Owner: Ray Ludlick Driller: Turbine Pump Service		
Sand	9	500	Clay	90	90
Clay	7	507	Sand, fine	20	110
Sand	3	510	Clay	138	248
Clay	27	537	Clay, sandy	52	300
Clay, sand streaks	32	569	Sand	50	350
Sand	126	695			
Clay	5	700			

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-43-509 Owner: C. R. Buehl Driller: Con-Tex Water Well Co.			Well TS-60-44-106--Continued		
			Sand, rock	47	419
Clay	20	20	Clay	28	447
Sand	10	30	Sand, rock	17	464
Clay	255	285	Clay	116	580
Sand	12	297	Sand, shale	20	600
Shale	14	311	Clay	117	717
Sand, brown	11	322	Sand	28	745
Shale	6	328	Clay	10	755
Sand	34	362	Sand, shale	18	773
Well TS-60-43-510 Owner: O. A. Gerloff, Lake No. 177 Driller: Con-Tex Water Well Co.			Shale	31	804
Sand, surface	20	20	Sand, rock	25	829
Clay	11	31	Sand, shale	17	846
Sand, gravel	22	53	Sand, rock	87	933
Clay	22	75	Sand	6	939
Sand, fine	45	120	Sand	43	982
Clay with lime streaks	227	347	Shale	9	991
Sand	23	370	Bottom	8	999
Clay	1	371	Well TS-60-44-107 Owner: Webb Melder Driller: Con-Tex Water Well Co.		
Sand	14	385	Clay, surface	16	16
Clay	32	417	Sand	24	40
Sand	29	446	Shale	190	230
Well TS-60-44-106 Owner: Lake Conroe Forest Subdivision Driller: Katy Drilling, Inc.			Sand	13	243
Clay	19	19	Rock with sand streaks	12	255
Sand, gravel	26	45	Shale	3	258
Clay	35	80	Sand	15	273
Rock, sand	14	94	Shale	47	320
Clay	106	200	Shale, sandy	12	332
Sand, rock	11	211	Sand	13	345
Clay	59	270	Shale, sandy	16	361
Sand, rock	18	288	Sand	7	368
Clay	15	303	Shale	5	373
Sand, rock	21	324	Rock	1	374
Clay	48	372	Shale	4	378
			Sand	12	390

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-44-107--Continued			Well TS-60-44-109--Continued		
Shale	202	592	Hard streaks	8	370
Well TS-60-44-108 Owner: Bob McCallaugh Driller: Con-Tex Water Well Co.			Rock	1	371
Clay	20	20	Hard streaks	7	378
Sand	35	55	Rock	2	380
Rock	5	60	Shale and hard streaks	250	630
Clay with sand streaks	10	70	Rock	2	632
Clay with hard streaks	30	100	Sand	62	694
Hard streaks with shale	15	115	Well TS-60-44-110 Owner: April Sound Subdivision Driller: Con-Tex Water Well Co.		
Shale with hard streaks	55	170	Clay	15	15
Hard streaks with sand	7	177	Sand	20	35
Sand	9	186	Clay, hard streaks	208	243
Shale	63	249	Shale, sandy	9	252
Sand with hard streaks and shale	11	260	Sand	5	257
Shale	19	279	Rock	1	258
Sand	12	291	Shale	4	262
Shale, sandy	9	300	Sand	16	278
Shale with hard streaks	41	341	Shale, sandy	2	280
Sand	6	347	Shale	44	324
Rock	4	351	Shale, sandy	7	331
Sand	3	354	Sand, fine	6	337
Shale	8	362	Shale	15	352
Sand	34	396	Sand	7	359
Well TS-60-44-109 Owner: April Sound Subdivision Driller: Con-Tex Water Well Co.			Shale	271	630
Surface sand and clay	22	22	Rock	1	631
Sand	20	42	Shale	2	633
Clay	106	148	Rock	1	634
Sand	27	175	Shale, sandy	8	642
Clay	65	240	Sand	29	671
Sand	25	265	Sand, good	26	697
Rock	3	268			
Sand	12	280			
Shale	50	330			
Sand	32	362			

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-44-207 Owner: Remus Fuitz Driller: Patterson Water Well Service			Well TS-60-44-308--Continued		
			Sand	33	457
Clay	25	25	Well TS-60-44-309 Owner: Jack Moore Driller: Con-Tex Water Well Co.		
Sand	3	28	Surface sand and clay	32	32
Clay	12	40	Sand and gravel	16	48
Rock	2	42	Clay	17	65
Sand and rock	38	80	Sand	5	70
Clay	25	105	Clay	14	84
Clay and rock	40	145	Sand	8	92
Clay	30	175	Clay	61	153
Clay and rock	10	185	Rock	1	154
Clay	71	256	Clay	32	186
Sand, water	20	276	Rock with sand	12	198
Well TS-60-44-307 Owner: William Hill Driller: Con-Tex Water Well Co.			Sand	14	212
Surface sand and clay	14	14	Shale	36	248
Sand and gravel	38	52	Rock with shale	4	252
Clay	62	114	Shale	72	324
Sand	12	126	Sand	13	337
Clay	30	156	Shale	5	342
Sand	9	165	Rock	2	344
Shale	40	205	Sand	5	349
Rock with shale	15	220	Shale	30	379
Shale and few hard streaks	173	393	Sand with shale	16	395
Sand	40	433	Sand	40	435
Well TS-60-44-308 Owner: Walt Blanchard Driller: Con-Tex Water Well Co.			Well TS-60-44-310 Owner: Walton Plant Farm Driller: Patterson Water Well Service		
Surface sand and clay	20	20	Sand, red	44	44
Sand and gravel	80	100	Clay	60	104
Shale	18	118	Rock	2	106
Sand	12	130	Clay	69	175
Shale	20	150	Rock	2	177
Sand with hard streaks	10	160	Clay	63	240
Shale with hard streaks	234	394	Rock	5	245
Sand	15	409	Clay	60	305
Shale	15	424	Shale	40	345

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-44-310--Continued			Well TS-60-44-407 Owner: Benny Eldred Driller: Con-Tex Water Well Co.		
Clay	59	404	Clay	20	20
Rock	1	405	Sand and gravel	30	50
Clay	15	420	Clay	80	130
Water sand	18	438	Sand	14	144
Well TS-60-44-405 Owner: Lake Forest Lodge Driller: Patterson Water Well Service			Clay	21	165
Clay	20	20	Sand	24	189
Sand	10	30	Clay with hard streaks	185	374
Clay	50	80	Sand	10	384
Sand	40	120	Clay, sandy	2	386
Clay	35	155	Sand	23	409
Rock	5	160	Clay	3	412
Clay	60	220	Well TS-60-45-109 Owner: Classic School Driller: Con-Tex Water Well Co.		
Rock and clay	85	305	Surface sand	20	20
Clay	45	350	Sand with clay	50	70
Rock and clay	40	390	Clay with hard streaks	120	190
Clay	36	426	Shale with hard streaks	160	350
Water, sand	14	440	Shale, sandy with hard streaks	25	375
Well TS-60-44-406 Owner: Lake Bonanza Association Driller: Patterson Water Well Service			Sand	3	378
Sand	10	10	Shale with sand streaks	39	417
Clay	12	22	Sand	9	426
Clay and sand streaks	41	63	Shale	23	449
Sand	37	100	Sand	33	482
Clay	5	105	Well TS-60-45-110 Owner: Dillinger Driller: Con-Tex Water Well Co.		
Sand	20	125	Sand	35	35
Clay	30	155	Clay	35	70
Clay with rock breaks	89	244	Sand	38	108
Clay	56	300	Clay	42	150
Clay with rock breaks	85	385	Hard streaks with clay	14	164
Water, sand	21	406	Shale with hard streaks	68	232
			Sand	2	234
			Shale	90	324

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-45-110--Continued			Well TS-60-45-512 Owner: Pat's Feed Store Driller: J&J Water Well		
Shale, sandy	12	336			
Shale	35	371	Clay, red, iron ore	19	19
Sand	26	397	Clay, blue	29	48
Shale, sandy	3	400	Sand	8	56
Well TS-60-45-205 Owner: Roe McHaney Driller: Con-Tex Water Well Co.			Clay, blue-yellow	74	130
			Rock	2	132
Clay	20	20	Clay and rock	38	170
Sand and gravel	50	70	Clay, blue	100	270
Clay	15	85	Sand	5	275
Sand and gravel	25	110	Shale, blue	64	339
Clay	72	182	Sand	60	399
Rock	4	186	Well TS-60-45-711 Owner: San Jacinto Girl Scouts Driller: Lowry Water Wells		
Sand	15	201	Clay, hard, gray	10	10
Shale	58	259	Sand	31	41
Sand	11	270	Shale, corn meal, sandy	55	96
Shale	54	324	Sand, light and broken	75	171
Hard streaks	8	332	Shale, white	21	192
Shale	158	490	Shale, red, sand breaks	72	264
Sand with streaks	10	500	Shale, tough	232	496
Sand	8	508	Sand	17	513
Shale with streaks	52	560	Shale, sandy tough	39	552
Sand	20	580	Sand	23	575
Well TS-60-45-410 Owner: McFarlane Driller: Con-Tex Water Well Co.			Shale, sandy	7	582
Clay	63	63	Sand	11	593
Sand and gravel	56	119	Shale, sandy	13	606
Clay	57	176	Sand	17	623
Sand	38	214	Well TS-60-46-205 Owner: Wolfe Nursery Driller: Patterson Water Well Service		
Clay	258	472	Clay	15	15
Shale, sandy	9	481	Sand	158	173
Sand	5	486			
Rock	1	487			
Shale, sandy	11	498			
Sand, good	27	525			
Shale, sandy	8	533			

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-46-806 Owner: White Oak Valley Subdivision Driller: Walker Well Service			Well TS-60-51-404 Owner: Cripple Creek North Driller: B. J. Swinehart Co.		
Topsoil and sand	21	21	Clay	22	22
Sand with clay balls	21	42	Sand, clay streaks	43	65
Clay, brown	33	75	Sand, fine	21	86
Sand	114	189	Clay	31	117
Clay, white	21	210	Sand, coarse	25	142
Sand and gravel	50	260	Clay	4	146
Clay, blue	265	525	Sand	9	155
Sand and shale mix	21	546	Clay	23	178
Clay, blue	42	588	Sand, coarse	34	212
Sand and shale mix	21	609	Clay	4	216
Clay, blue	56	665	Sand	10	226
Sand	25	690	Clay	11	237
Well TS-60-50-303 Owner: Toby Smith, Water & Lumber Co. Driller: Hildebrandt Service			Sand	7	244
Clay	60	60	Clay, hard, rock streaks	121	365
Sand	40	100	Sand, fine	9	374
Clay	20	120	Rock	6	380
Sand	30	150	Sand, fine	4	384
Clay	5	155	Clay	8	392
Sand	12	167	Sand	9	401
Rock, clay and sand particles	53	220	Clay, hard, rock streaks	211	612
Sand	40	260	Sand, good	23	635
Clay	30	290	Well TS-60-51-405 Owner: Hazy Hollow Subdivision Well 6 Driller: Schoppa Water Well Service		
Rock	20	310	Topsoil	5	5
Clay, blue	205	515	Clay	13	18
Sand, hard	12	527	Sand	9	27
Sand, coarse	43	570	Clay	16	43
			Sand	5	48
			Clay	15	63
			Rock	1	64
			Clay	24	88
			Sand	42	130
			Sand and clay mixed	30	160

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-51-405--Continued			Well TS-60-51-508 Owner: Lester Goodson Driller: Lowry Water Wells		
Sand	47	207			
Clay	128	335	Clay, hard and iron ore	24	24
Rock	9	344	Clay, red	27	51
Rock and sand mixed	21	365	Sand	31	82
Rock	18	383	Clay, yellow	14	96
Well TS-60-51-406 Owner: Hazy Hollow Subdivision Well 7 Driller: Schoppa Water Well Service			Clay, white	24	120
			Sand	27	147
Topsoil	4	4	Sand, broken and shaly	26	173
Clay	37	41	Rock	1	174
Sand	7	48	Clay, red	18	192
Clay	52	100	Sand	19	211
Sand	31	131	Shale	7	218
Clay	9	140	Sand	8	226
Sand	17	157	Clay, white, tough	86	312
Clay	5	162	Sand and sand rock	4	316
Sand	40	202	Clay, white, tough	68	384
Sand and clay mixed	15	217	Clay, white, tough and rock sand	48	432
Clay	38	255	Well TS-60-51-509 Owner: Hazy Hollow Subdivision Driller: Walker Well Service		
Rock	4	259	Topsoil, clay and iron ore	20	20
Clay	81	340	Sand, pink and clay mixed	30	50
Sand and rock mixed	15	355	Clay, brown	27	77
Sand	30	385	Clay, mixed color balls	33	110
Well TS-60-51-407 Owner: Hazy Hollow Subdivision Well 3 Driller: Walker Well Service			Sand, coarse and gravel	58	168
Topsoil and clay, red	60	60	Clay, blue	21	189
Clay, mixed color with sand	25	85	Sand with gravel	36	225
Sand and gravel	35	120	Clay, mixed color	67	292
Clay, soft, blue, white	23	143	Clay, brown	106	398
Sand, white with gravel	87	230	Rock	1	399
Clay, blue	55	285	Sand	31	430
Sand, white	6	291			
Clay, brown, shale and rock	99	390			
Sand, fine	40	430			

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-51-510 Owner: Southwestern Bell Telephone Co. Driller: Lowry Water Wells			Well TS-60-51-806 Owner: Mid South Corp. Driller: Walker Well Service		
Clay, hard and iron ore	24	24	Iron ore, gravel, clay	21	21
Shale, broken	24	48	Clay, red	24	45
Sand, shale, broken	24	72	Clay, brown	18	63
Clay, yellow	37	109	Clay, mixed	22	85
Clay, sandy	35	144	Sand, white and mixed clay	20	105
Sand	37	181	Sand, white	15	120
Shale, break	2	183	Clay, blue and white	20	140
Sand, light breaks	33	216	Sand, white	80	220
Sand	12	228	Clay, blue and clay balls	20	240
Shale	24	252	Clay, blue and white	30	270
Sand	12	264	Sand, white, coarse	10	280
Shale	10	274	Clay and rock with little or no sand	140	420
Sand	32	306	Well TS-60-52-404 Owner: Mitchell & Mitchell Driller: Falkenburg Drilling, Co.		
Shale, tough and sand streaks	215	521	Surface sand and clay	34	34
Shale	27	548	Clay	48	82
Sand	4	552	Sand	28	110
Sand	11	563	Broken	13	123
Shale, very sandy	27	590	Sand	15	138
Sand	22	612	Clay	7	145
Well TS-60-51-805 Owner: Johanie Clepper Driller: Schoppa Water Well Service			Sand	9	154
Topsoil	10	10	Clay	13	167
Clay	6	16	Sand	23	190
Sand	6	22	Clay	6	196
Clay	23	45	Broken	16	212
Sand	11	56	Sand	10	222
Clay	2	58			
Sand	30	88			
Clay	44	132			
Sand	58	190			
Clay	1	191			
Sand	19	210			

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-52-405			Well TS-60-53-205		
Owner: Mitchell & Mitchell			Owner: Lazy River Improvement District		
Driller: Falkenbury Drilling Co.			Driller: Layne-Texas Co.		
Surface soil clay and sand	33	33			
Clay with sand streaks	22	55	Clay	12	12
Clay	23	78	Sand and streaks of gravel	12	24
Clay with rock and sand streaks	22	100	Clay	40	64
Clay	22	122	Sand and gravel	16	80
Sand with clay streaks	23	145	Clay	35	115
Sand	5	150	Sand and gravel	5	120
Clay	10	160	Sand, gravel and clay streaks	7	127
Sand	30	190	Sand and fine gravel	28	155
Sand	7	197	Clay	20	175
Clay	7	204	Gravel, sand and clay streaks	24	199
Sand	16	220	Clay	9	208
Well TS-60-52-707			Sand, gravel and sandy clay streaks		
Owner: Billy Medearis, Jr.				12	220
Driller: Hildebrant Services			Clay and gravel streaks	6	226
Clay	47	47	Sand, gravel and clay breaks	27	253
Sand	43	90	Clay and sandy clay	12	265
Clay and rock	3	93	Clay and gravel streaks	9	274
Sand	34	127	Sand, gravel and clay streaks	5	279
Well TS-60-53-107			Clay	10	289
Owner: Exxon Co.			Clay, sandy clay and gravel streaks	29	318
Driller: H&H Water Well Drilling			Clay	5	323
Sand	17	17	Sand, poor	30	353
Clay	2	19	Shale, sandy and sand	49	402
Sand and gravel	121	140	Shale	83	485
Clay	8	148	Sand, shale and streaks of sand	64	549
Sand and gravel	32	180	Sand, broken	28	577
Sand, coarse	37	217	Clay, sandy	5	582
			Sand	16	598
			Shale	7	605
			Shale, sandy and streaks of sand	15	620

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-53-205--Continued			Well TS-60-53-206--Continued		
Sand, broken	42	662	Shale	8	700
Shale	14	676	Sand	30	730
Sand, broken	51	727	Shale	66	796
Shale	21	748	Sand	55	851
Well TS-60-53-206			Shale	30	881
Owner: River Plantation Municipal Utility District			Shale, sandy	31	912
Well 2			Shale	30	942
Driller: Layne-Texas Co.			Shale, sandy	28	970
Topsoil	3	3	Sand	20	990
Clay	7	10	Shale	71	1,061
Sand	11	21	Sand	79	1,140
Clay	32	53	Shale, sandy	34	1,174
Sand	11	64	Sand	82	1,256
Clay	33	97	Rock	2	1,258
Sand, coarse	21	118	Shale	8	1,266
Sand, coarse and gravel	26	144	Sand and shale streaks	66	1,332
Clay	17	161	Shale, sandy and sand	24	1,356
Sand	15	176	Shale and few sand streaks	17	1,373
Clay and sand streaks	21	197	Well TS-60-53-207		
Clay	36	233	Owner: Riverbrook Subdivision		
Sand	25	258	Driller: Con-Tex Water Well Co.		
Clay	37	295	Clay	15	15
Sand	8	303	Sand	42	57
Clay	23	326	Clay	18	75
Sand	20	346	Sand	37	112
Clay	21	367	Clay	22	134
Clay, sandy	44	411	Sand and hard streaks	6	140
Shale	43	454	Sand, good	30	170
Shale, hard tough	61	515			
Shale, sandy	41	556			
Sand	15	571			
Shale	30	601			
Sand	14	615			
Shale	17	632			
Sand	16	648			
Shale	19	667			
Sand	25	692			

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-53-511			Well TS-60-53-512--Continued		
Owner: Shenandoah Valley Municipal Utility District					
Driller: Katy Drilling, Inc.					
Clay	47	47	Sand	12	441
Sand and gravel	71	118	Shale, sticky	4	445
Clay	64	182	Sand	14	459
Sand	43	225	Shale, tough	9	468
Clay	31	256	Sand	9	477
Sand	20	276	(Incomplete log)		
Clay	20	296	Well TS-60-53-708		
Sand	14	310	Owner: Montgomery County WC&ID No. 1		
Clay	12	322	Timber Lake Estates		
Sand and rock	36	358	Driller: Texas Water Wells, Inc.		
Clay	74	432	Surface	9	9
Sand and rock	22	454	Clay	29	38
Clay	9	463	Shale	32	70
Sand	25	488	Shale, sandy	10	80
Clay	68	556	Shale	40	120
Sand and rock	7	563	Shale, gravel	13	133
Clay	26	589	Sand	36	169
Sand and rock	9	598	Shale, sandy	71	240
Clay	20	618	Sand	20	260
Sand and rock	79	697	Shale, sandy	30	290
Clay	6	703	Sand	30	320
Well TS-60-53-512			Shale, sandy	35	355
Owner: Ashford Forest Subdivision			Sand	15	370
Driller: Lowry Water Wells			Shale, sandy	47	417
Surface and clay, white	31	31	Shale	18	435
Sand	41	72	Sand	68	503
Gravel, bottom broke	27	99	Shale	37	540
Clay, tough	76	175	Shale, sandy	30	570
Sand	23	198	Sand and shale streaks	55	625
Clay, tough, gumbo	28	226	Shale, sandy	5	630
Sand	44	270	Shale, hard and sandy	80	710
Gumbo, tough	152	422	Sand, broken and shale	239	949
Sand, rock	3	425	Shale	15	964
Gumbo, tough	4	429	Sand	11	975
			Shale, sandy	25	1,000
			Sand	30	1,030

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-53-708--Continued			Well TS-60-53-813--Continued		
Shale, sandy	10	1,040	Shale, hard	134	941
Sand	15	1,055	Sand, rock	31	972
Shale, sandy	95	1,150	Shale	35	1,007
Sand	20	1,170	Sand, rock	56	1,063
Shale, sandy	110	1,280	Clay	38	1,101
Sand	30	1,310	Sand, clay	19	1,120
Shale	20	1,330	Clay	70	1,190
Sand	20	1,350			
Shale, sandy	60	1,410			
Well TS-60-53-812 Owner: Oak Ridge North Driller: E. L. Bode Drilling Co.			Well TS-60-53-814 Owner: Oak Ridge North Driller: Texas Water Wells, Inc.		
Clay	28	28	Surface	3	3
Sand and gravel	32	60	Clay, red	10	13
Clay	9	69	Sand and gravel	39	52
Sand	30	99	Shale	129	181
Clay	15	114	Sand	47	228
Sand	9	123	Shale, sandy	15	243
Clay	93	216	Sand	55	298
Sand	28	244	Shale	145	443
Well TS-60-53-813 Owner: Montgomery County FWSD No. 2 Driller: Katy Drilling, Inc.			Sand	75	518
Sand, rock	12	12	Sand, shale	70	588
Gravel, sand	90	102	Sand	16	604
Sand, rock	33	135	Shale	84	688
Clay	16	151	Sand	12	700
Sand, rock	14	165	Shale	22	722
Clay	8	173	Sand	99	821
Sand, rock	4	177	Shale	14	835
Clay	378	555	Sand	48	883
Sand	70	625	Shale	6	889
Clay	25	650	Sand	9	898
Rock	53	703	Shale	29	927
Sand, rock	32	735	Sand	6	933
Clay, rock	57	792	Rock	1	934
Sand, rock	15	807	Sand	28	962
			Shale	15	977
			Sand	17	994
			Shale	58	1,052

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-53-814--Continued			Well TS-60-55-309 Owner: Texaco, Inc. Driller: Lowry Water Wells		
Shale, sandy	26	1,078			
Shale	21	1,099	Surface and brown clay	8	8
Shale, sandy	26	1,125	Sand, broken, loose	16	24
Shale	40	1,165	Sand	24	48
Shale, sandy	25	1,190	Shale, white	18	66
Well TS-60-53-815 Owner: Jack Jones Driller: Con-Tex Water Well Co.			Sand, broken	33	99
			Clay	5	104
Surface sand and clay	15	15	Sand, gravel	40	144
Sand with clay	50	65	Clay, tough	46	190
Clay with sand streaks	20	85	Sand, broken and sand rock	27	217
Clay	10	95	Clay, hard	40	257
Sand	32	127	Sand	27	284
Clay	49	176	Well TS-60-55-310 Owner: T. F. Howland Driller: Schoppa Water Well Service		
Sand	10	186			
Sand, hard and clay	4	190	Topsoil	3	3
Clay	30	220	Clay	12	15
Sand	4	224	Sand	7	22
Sand, hard and clay	4	228	Clay	28	50
Sand	10	238	Sand	19	69
Well TS-60-53-816 Owner: Lake Chateau Woods Driller: Lowry Water Wells			Sand and clay mixed	21	90
			Sand	13	103
Surface and white clay	24	24	Clay	7	110
Sand and gravel	48	72	Sand	19	129
Shale, white and sand	72	144	Clay	49	178
Clay, red	36	180	Sand	36	214
Sand, clay	12	192	Clay	21	235
Sand, broken, shaly	48	240	Rock	2	237
Sand, hard, light broken	48	288	Rock and sand mixed	18	255
Shale, sandy	10	298	Sand	8	263
Sand, light rock	14	312	Sand and rock mixed	17	280
Shale, tough	21	333	Clay	20	300
Sand	47	380	Rock and clay mixed	15	315
			Sand	5	320
			Rock	2	322
			Clay	5	327
			Sand	13	340

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-55-311 Owner: George Bullock Driller: Con-Tex Water Well Co.			Well TS-60-55-604--Continued		
			Sand, rock	29	278
Surface sand and clay	20	20	Clay	9	287
Sand and gravel	15	35	Sand, rock	35	322
Clay	25	60	Clay	93	415
Sand and gravel	50	110	Sand, rock	120	535
Clay	25	135	Clay	32	567
Sand	11	146	Sand, rock	34	601
Clay	4	150	Clay	8	609
Sand	37	187	Sand, rock	74	683
Shale	51	238	Clay and sand breaks	12	695
Sand	14	252	Clay	7	702
Shale	9	261			
Sand	29	290	Well TS-60-55-605 Owner: Roman Forest Public Utility District, Well 1 Driller: Layne-Texas Co.		
Shale	31	321	Surface	4	4
Sand	20	341	Clay	21	25
Rock with some streaks	9	350	Sand, coarse	60	85
Shale	40	390	Sand, coarse, gravel and clay streaks	51	136
Sand (hard bottom)	32	422	Clay	22	158
Well TS-60-55-508 Owner: Southwestern Bell Telephone Co. Driller: Lowry Water Wells			Clay, sandy	7	165
Surface and red and white clay	48	48	Gravel and coarse sand	17	182
Sand, loose	75	123	Clay	12	194
Shale, sandy	9	132	Sand	10	204
Sand and gravel	84	216	Sand streaks and clay	109	313
Sand and gravel	33	249	Clay	91	404
Shale, sand breaks	113	362	Sand	32	436
Sand, few sand rocks	26	388	Rock and shale	10	446
Well TS-60-55-604 Owner: Roman Forest Subdivision Driller: Katy Drilling, Inc.			Sand and streaks of clay	5	451
Surface and clay	37	37	Sand	12	463
Clay	24	61	Sand, lime and clay streaks	71	534
Sand	77	138	Clay	46	580
Clay	43	181	Sand	23	603
Sand, rock	30	211	Clay	8	611
Clay	38	249	Sand	21	632
			Clay	88	720

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-55-605--Continued			Well TS-60-55-605--Continued		
Sand	31	751	Shale, sandy	22	1,960
Clay, sandy	71	822	Shale	40	2,000
Clay	31	853	Well TS-60-55-706		
Clay, sandy	31	884	Owner: Gulf Oil Co.		
Shale	30	914	Driller: Lowry Water Wells		
Sand	41	955	Clay, red	22	22
Shale	21	976	Sand and gravel	52	74
Shale, sandy	17	993	Clay, red and white	22	96
Sand	33	1,026	Clay, red and white	26	122
Shale	36	1,062	Sand	22	144
Sand	79	1,141	Sand	20	164
Shale	61	1,202	Clay	6	170
Sand	35	1,237	Sand	25	195
Shale, sandy	47	1,284	Clay, sand breaks	21	216
Sand	20	1,304	Clay	12	228
Shale	178	1,482	Sand and light sand rock	12	240
Sand	10	1,492	Sand	15	255
Shale and sandy shale streaks	46	1,538	Well TS-60-62-304		
Sand	7	1,545	Owner: City of Porter		
Shale	40	1,585	Driller: Lanford Drilling Co.		
Shale, sandy	77	1,662	Surface	25	25
Shale	15	1,677	Sand	55	80
Sand	11	1,688	Shale	100	180
Shale	4	1,692	Sand	48	228
Sand	21	1,713	Shale	4	232
Shale	8	1,721	Sand	46	278
Sand	17	1,738	Sand	42	320
Shale	17	1,755	Shale with sand streaks	390	710
Sand	19	1,774	Shale	70	780
Shale	7	1,781	Sand	40	820
Shale	46	1,827	Shale	10	830
Sand	20	1,847			
Shale	5	1,852			
Sand	10	1,862			
Shale	76	1,938			

Table 10.--Drillers' Logs of Wells in Montgomery County--Continued

	THICKNESS (FEET)	DEPTH (FEET)		THICKNESS (FEET)	DEPTH (FEET)
Well TS-60-63-107			Well TS-60-63-107--Continued		
Owner: Porter Water Supply Corporation					
Driller: Layne-Texas Co.			Sand	85	783
Topsoil	5	5			
Clay with sand streaks	48	53			
Sand, broken	8	61			
Clay	13	74			
Sand	13	87			
Clay, gummy	36	123			
Sand, clay streaks and sandy lime rock	30	153			
Clay, gummy	34	187			
Sand	48	235			
Clay	36	271			
Sand	32	303			
Clay and sandy clay	16	319			
Sand with clay streaks	15	334			
Sand and sandy clay	20	354			
Sand with streaks of shale	8	362			
Clay	4	366			
Sand with streaks of shale	24	390			
Clay, sandy	6	396			
Sand with streaks of sandy clay	20	416			
Clay and sandy shale	25	441			
Clay, sandy with streaks of sand	8	449			
Sand and sandy clay	10	459			
Clay, sticky	69	528			
Sand	6	534			
Clay	4	538			
Sand	4	542			
Clay, hard	39	581			
Sand	4	585			
Clay, hard	47	632			
Sand	31	663			
Clay	7	670			
Sand	18	688			
Clay	10	698			

Table 11.--Water Levels in Wells in Montgomery County
(feet below land surface)

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Well TS-60-35-202		Well TS-60-45-501		Well TS-60-45-507	
Owner: Miss Flower Follett Elevation: 327		Owner: City of Conroe, Well 5 Elevation: 215		Owner: City of Conroe, Well 3 Elevation: 205	
June 7, 1967	51.27	Jan. 13, 1967	25.2	Feb. 26, 1973	62.82
Dec. 18, 1968	51.33	Feb. 26, 1973	52.39	Feb. 13, 1974	61.22
Feb. 28, 1969	51.36	Feb. 13, 1974	75.08	Well TS-60-45-803	
Sept. 11	51.17	Well TS-60-45-503		Owner: Brown Estate Elevation: 178	
Dec. 11	51.44	Owner: City of Conroe, Well 4 Elevation: 212		Dec. - 1967	dry
Feb. 26, 1970	51.48	Apr. 20, 1954	25	Jan. 18, 1968	24.29
Feb. 3, 1971	52.13	Jan. 13, 1967	30.9	Feb. 10	23.52
Feb. 16, 1972	52.64	Feb. 26, 1973	75.04	Mar. 30	23.30
June 6	52.86	Feb. 13, 1974	70.36	Apr. 26	23.03
Dec. 8	53.76	Well TS-60-45-504		May 26	20.24
Feb. 26, 1973	53	Owner: City of Conroe, Well 2 Elevation: 214		June 28	17.38
June 11	52.27	June 7, 1967	30.07	July 1	17.50
Sept. 13	52.44	Sept. 26	33.68	Aug. 1	19.94
Dec. 6	52.26	Dec. 11	18.78	Sept. 1	21.27
Jan. 31, 1974	52.07	Feb. 5, 1968	21.43	Oct. 1	21.74
June 18	52.49	June 12	22.86	Nov. 26	21.51
Sept. 18	51.61	Feb. 28, 1969	25.37	Dec. 19	21.56
Well TS-60-37-401		Sept. 11	46.16	Jan. 22, 1969	21.05
Owner: City of Willis Elevation: 380		Dec. 11	37.52	Feb. 28	19.94
Feb. 5, 1968	190.29	Feb. 26, 1970	35.68	Mar. 1	20
Feb. 28, 1969	190.61	Apr. 20, 1971	59.12	May 31	17.42
Feb. 26, 1970	188.96	June 17	70.38	June 2	17.54
Feb. 3, 1971	188.05	Sept. 22	67.31	July 1	19.94
Feb. 16, 1972	188.57	Feb. 16, 1972	68.01	Aug. 1	21.42
Feb. 26, 1973	190.41	June 5	79.28	Sept. 3	22.32
Well TS-60-38-801		Oct. 2	76.02	Oct. 1	22.79
Owner: O. S. Reaves Elevation: 224		Dec. 8	75.13	Nov. 7	23.38
June 7, 1967	21.68	Feb. 26, 1973	72.38	Dec. 9	23.21
Aug. 8	22.54	June 11	78.28	Jan. 18, 1970	22.73
Sept. 26	22.68	Sept. 13	75.81	Feb. 24	22.28
Nov. 7	23.22	Dec. 6	75.64	Mar. 29	20.25
Jan. 16, 1968	23.07	Jan. 31, 1974	68.18	Apr. 19	19.86
Mar. 14	22.99	June 18	75.19	May 27	19.69
May 6	22.83	Sept. 18	78.69	June 11	19.67
June 12	22.68			July 1	20.95
				Aug. 1	22.17
				Sept. 2	23.06

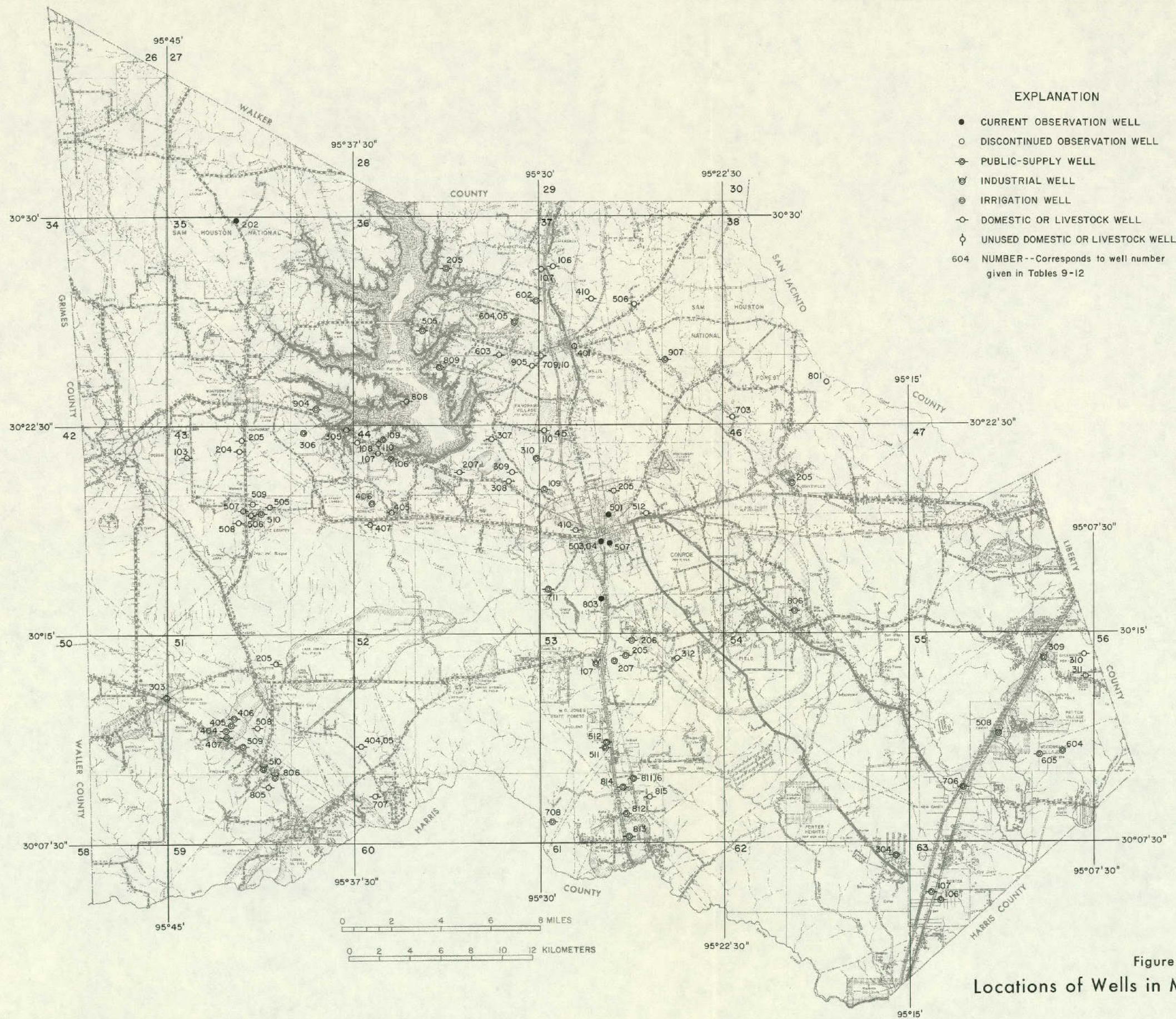
Table 11.--Water Levels in Wells in Montgomery County--Continued

DATE	WATER LEVEL
Well T8-60-45-803--Continued	
Oct. 2, 1970	23.46
Nov. 8	23.67
Dec. 1	23.98
Jan. 1, 1971	dry
May 15, 1972	22.8
June 10	23.1
Dec. 18	23.9
Jan. 15, 1973	23.48
Feb. 28	21.36
Mar. 30	19.75
Apr. 28	18.71
May 26	18.15
June 27	18.07
July 1	18.23
Aug. 15	19.02
Sept. 30	17.51
Oct. 31	16.23
Nov. 27	15.06
Dec. 20	14.97
Jan. 18, 1974	14.10
Feb. 13	13.15
Mar. 13	14.74
Apr. 3	14.81
May 3	16.32
June 18	17.37
Sept. 18	19.48
Dec. 4	16.25

Table 12.--Chemical Analyses of Water From Wells in Montgomery County
 When no potassium (K) is reported, sodium and potassium are calculated and reported as sodium (Na)
 Water-bearing units: E, Evangeline aquifer; J, Jasper aquifer; JU, Upper unit of Jasper aquifer

WELL	OWNER	DEPTH OR PRODUING INTERVAL (FT)	WATER BEARING UNIT	DATE	DIS-SOLVED SILICA (MG/L)	DIS-SOLVED TROM (MG/L)	DIS-SOLVED MAGN. LARSE (MG/L)	DIS-SOLVED CAL-CIUM (MG/L)	DIS-SOLVED MAGNE-SIUM (MG/L)	DIS-SOLVED SODIUM (MG/L)	DIS-SOLVED POTAS-SIUM (MG/L)	BILIR-UBIN (MG/L)	CAR-BONATE (MG/L)	SUL-FATE (MG/L)	CHLO-RIDE (MG/L)	FLUO-RIDE (MG/L)	DIS-SOLVED NITRITE (MG/L)	DIS-SOLVED NITRATE (MG/L)	DIS-SOLVED ORTHO-PHOS-PHATE (MG/L)	DIS-SOLVED AMMONI-UM (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HAZ-ARD (CA, MG)	PER-CENT SODIUM	RE-SIDUAL SODIUM CAR-BONATE (MG)	SODIUM AD-JUSTED RATIO (SAR)	SPECIFIC CONDUCTANCE (MICRO-MHMS)	PH (UNITS)	TEM-PERATURE (°C)
1/ TS-60-36-505	Point Aquarius Municipal Utility District	450-610	J	5-25-72	33	2/ 90	4/ 40	24	22	53	--	271	0	13	21	2/ 0.2	0.18	--	--	299	150	43	1.43	1.9	472	7.5	--	
1/ 604	Gulf States Utilities Well 2	740-745	J	9-16-69	22	2/450	--	40	4.0	82	--	292	0	19	24	--	--	--	--	315	120	61	2.46	3.3	520	8.3	--	
1/ 604	do	570-770	J	10-1-69	26	2/ 90	--	49	5.0	66	--	283	0	19	25	--	--	--	--	329	140	50	1.78	2.4	525	7.5	--	
2/ 605	Gulf States Utilities Well 1	336-356	E	4-30-68	26	2/560	--	110	8.0	26	--	316	0	8	60	--	.20	--	--	389	300	16	.00	.7	679	7.1	23.5	
2/ 605	do	575-600	JU	4-29-68	28	2/320	--	52	6.0	56	--	279	0	17	21	--	.16	--	--	317	150	44	1.46	2.0	--	7.5	25.5	
2/ 605	do	755-775	J	5-2-68	24	2/180	--	37	4.0	85	--	290	0	16	26	--	.18	--	--	337	110	63	2.38	3.5	535	7.6	26.5	
2/ 605	do	698-772	J	4-12-68	25	2/ 90	--	43	5.0	68	--	282	0	17	22	--	.14	--	--	321	130	53	1.98	2.6	536	7.6	26.0	
1/ 809	Montgomery County Utility District No. 2 Seven Coves	450-725	J	6-23-72	34	2/ 90	4/ 20	54	5.0	56	--	276	0	22	18	2/ .2	.23	--	--	325	160	44	1.42	2.0	520	7.5	--	
1/ 53-206	Livec Plantation Municipal Utility District Well 2	799-1,250	JU	4-2-70	19	2/ 80	--	13	2.0	120	--	276	0	16	41	--	--	--	--	346	41	86	3.71	8.1	566	8.0	29.5	
1/ 53-605	Roman Forenc Public Utility District Well 1	908-1,305	E	8-30-71	15	2/ 50	4/ 20	14	3.0	130	--	301	0	12	41	2/ .5	.14	--	--	359	47	65	3.99	8.0	623	7.7	--	

1/ Analyzed by Edna Hood Laboratories
 Analyzed by Microbiology Services Laboratories
 Total Iron (Fe)
 Total manganese (Mn)
 Total Fluoride (F)



- EXPLANATION**
- CURRENT OBSERVATION WELL
 - DISCONTINUED OBSERVATION WELL
 - ⊕ PUBLIC-SUPPLY WELL
 - ⊗ INDUSTRIAL WELL
 - ⊙ IRRIGATION WELL
 - ⊖ DOMESTIC OR LIVESTOCK WELL
 - ⊘ UNUSED DOMESTIC OR LIVESTOCK WELL
- 604 NUMBER -- Corresponds to well number given in Tables 9-12

Figure 3
Locations of Wells in Montgomery County

Base from Texas Highway Department county highway map

