VICTORIA COUNTY, TEXAS

Records of wells, driller's logs,
water analyses, and map
showing location of wells.

TEXAS STATE BOARD OF WATER ENGINEERS
C. S. Clark, Chairman
A. H. Dunlap, Member
J. W. Pritchett, Member

Prepared in cooperation with the United States
Department of the Interior, Geological Survey

1940

VICTORIA COUNTY, TEXAS

Introduction

By

Walter N. White
Senior Hydraulic Engineer

This release contains records of wells in Victoria County, Texas together with tables of well logs and well water analyses, and is illustrated by a map on which the wells listed are shown, each well being given a number on the map corresponding to the number assigned to it in the tables. The records were obtained during the summer of 1934 by James C. Cumley, under an allocation of funds by the Federal Emergency Administration of Public Works, as a part of a state-wide program of ground-water investigations by the Texas Board of Water Engineers in cooperation with the United States Department of the Interior, Geological Survey.

Altogether about 200 wells fairly well distributed through the county are described in the tables. The records include the following: name of well owner and driller; size and depth of well; position and thickness of chief water-bearing beds; character of pumping equipment and amount of power used; depth to water; yield of well; use made of the water; the mineral character of the water as shown by field tests for hardness, chloride and bicarbonate; and more complete laboratory analyses of water from selected wells. Approximately 60 of the wells have an artesian flow. Most of the flowing wells are located in the southern part of the county but there are a few in the northern and central part. The average measured discharge from 52 of the flowing wells was about 20 gallons a minute.

Most of the wells recorded in the county are used for domestic purposes or stock, or both. A few are used for irrigation, mostly gardens. The public supplies of Victoria, county seat and leading city, and McFadden and Bloomington come from wells.

The records given in this release serve as a guide to land owners and others who need information regarding wells and pumping plants in different parts of the area, and the quantity and quality of water yielded by the wells.

The publication was mimeographed by employees of the Work Projects Administration, Project No. 10443.

Records of wells in Victoria County, Texas

No.	Distance from Mission Valley	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed: Depth to top of bed (ft.)	Water-bearing bed: Thickness of bed (ft.)
1	1-3/4 miles northwest	A. L. Albrecht	Adam Prukop	1898	128	4-1/4	-	-
2	3/4 mile southwest	Henry Billo	Gus Heller	1886	103	30	-	-
3	At Mission Valley	O. W. Schaefer	-- McLaughlin	1919	103	4-1/4	-	-
4	2-1/4 miles north northeast	A. J. Meisenhelder	T. Bomba	Old	94	4-1/4	-	-
5	2-1/4 miles east	John Schlein	-- McLaughlin	Old	67	4	-	-
6	1½ miles southeast	E. A. Jacob	F. Meissner, Sr.	1903	85	5	-	-
7	3-1/4 miles south	Mrs. Mata Weaver	do.	1874	125	4-1/4	-	-
8	3½ miles southeast	Miss Kate Davidson	Rudolph Shultz	Old	101	4	-	-
9	6 miles south southeast	Jules Jaschke	Hars Link	1894	85	4	-	-
10	6 miles southeast	Fritz Range	-	Old	84	4	-	-

No.	Distance from Nursery	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed: Depth to top of bed (ft.)	Water-bearing bed: Thickness of bed (ft.)
17	4½ miles east southeast	F. Boahm	Humble Oil Co.	1928	792	-	-	-
18	do.	F. A. McKinney	do.	1928	744	-	-	-
19	6½ miles east	J. A. McFadden	Houston Oil Co.	1928	738	-	-	-
20	9 miles east northeast	do.	do.	1928	860	-	-	-
21	6½ miles northeast	Jay Welder	Humble Oil Co.	1928	894	-	-	-
22	4½ miles east	do.	do.	1928	6,691	-	-	-
23	5 miles east	do.	do.	1928	677	-	-	-
24	5½ miles east	do.	do.	1928	1,553	-	-	-
25	2½ miles southeast	J. L. Oliver	-	1930	37	6	-	-
26	3 miles southwest	Mrs. S. W. Carpenter	-	1914	50	4-1/4	-	-
27	2½ miles southwest	do.	-- Busey	1911	81	4	-	-
28	1 mile southwest	Gurloff and Crane	-	1926	50	4-1/4	-	-

a/ H, hand pump; W, windmill; J, jack pump; G, gas or oil engine; F, flow.

All wells are drilled unless otherwise stated in remarks.

No.	Water level: Depth below top of casing	Water level: Date of measurement	Method of lift a/	Use of water b/	Field tests parts per million: Chloride	Field tests parts per million: Hardness	Field tests parts per million: Bicarbonate	Remarks
1	106.0	Apr. 19, 1934	W	D,S,	110	450	-	Yield reported good. Temperature 73° F.
2	101.7	do.	W	D,S,I,	180	480	-	Dug well. Reported never dry. Tempera-
3	100	-	W	D,S	230	540	-	Yield ture 72° F. reported small.
4	78.9	Apr. 19, 1934	W	D,S	200	650	-	
5	58.5	Apr. 21, 1934	W	D,S	65	480	-	
6	69.7	do.	W,G	D,S	120	500	-	Yield reported good. Temperature 72° F.
7	62.1	do.	W	D,S,I	190	430	-	
8	94.5	May 1, 1934	W	D,S,I	107	270	338	Supplies water to 250 cattle. Tempera-
9	46.4	do.	W	D,S	276	480	354	Supplies ture 73° F. water to 86 cattle.
10	43.5	do.	W	D,S	390	500	392	Temperature 73° F.

No.	Depth below top of casing	Date of measurement	Method of lift a/	Use of water b/	Field tests parts per million: Chloride	Field tests parts per million: Hardness	Field tests parts per million: Bicarbonate	Remarks
17	-	-	-	N	-	-	-	Reported that well did not flow.
18	-	-	-	N	-	-	-	do.
19	38	1928	-	N	-	-	-	do.
20	20	1928	-	N	-	-	-	do.
21	-	-	-	N	-	-	-	Well is plugged.
22	-	-	-	N	-	-	-	Reported that well did not flow.
23	-	-	-	N	-	-	-	do.
24	-	-	-	N	-	-	-	do.
25	29.4	Mar. 12, 1934	H	D,S	140	400	-	Temperature 71° F.
26	35	-	H	D,S	110	720	302	Temperature 72° F.
27	64.2	Apr. 25, 1934	W	D,S	90	290	352	
28	43.0	do.	W	D,S,I	60	260	336	Reported satisfactory for irrigation.

b/ D, domestic; S, stock; P, public supply; I, irrigation; RR, railroad; N, not used.

Records of wells in Victoria County -- continued

No.	Distance from Nursery	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
29	At Nursery	O. R. Timme	-- Winch	Old	50	4	-	-
30	2 miles northwest	Edmund Nitschmann	--	1886	101	30	-	-
31	1½ miles north northeast	Mrs. Robt. Clark	--	Old	50	4	-	-
32	2 miles northeast	S. W. McCormick	--	Old	80	4-1/4	-	-
33	3 miles west	Mrs. Robt. Clark	--	1904	29	30	-	-
34	3-1/4 miles east	G. W. McCurry	R. K. Murphry	1904	27	30		
35	6 miles east	Jay Welder	--	Old	30	6	-	-
36	6 miles northeast	do.	G. H. Laughter	1924	816	2	790	26
37	5½ miles northeast	Robert Welder	do.	1922	826	2	816	10
38	6 miles north northeast	do.	-	Old	72	2-1/2	-	-
39	4¼ miles north	do.	G. H. Laughter	1924?	927	2	910	17
40	2 miles southeast	Griffith and Stoner	Humble Oil Co.	1928	607	-	-	-
41	3/4 mile north	Dr. J. A. Kyle	Houston Oil Co.	1929	1,158	-	-	-
42	do.	do.	do.	1929	1,103	-	-	-
43	1/2 mile northeast	A. Raab	Humble Oil Co.	1928	1,313	-	-	-
44	1 mile northeast	A. J. Kohutek	do.	1928	603	8	-	-
45	3 miles east	R. Jagga	do.	-	984	-	-	-
46	4 miles northeast	G. W. Norton	do.	-	875	-	-	-
47	3-3/4 miles east	J. W. McCurry	do.	1929	691	6-5/8	-	-
48	4½ miles east	G. Knape	do.	1929	684	6-5/8	-	-
49	do.	M. J. Sparks	do.	1929	677	-	-	-
50	2½ miles east southeast	Andrew Oliver	do.	1928	696	8	-	-

All wells are drilled unless otherwise stated in remarks.

No.	Depth below top of casing	Date of measurement	Method of lift a/	Use of water b/	Field tests parts per million			Remarks
					Chloride	Hardness	Bicarbonate	
29	40	-	W	D,S	40	320	-	Temperature 71° F.
30	58.2	Mar. 13, 1934	W	D,S	110	500	-	Dug to 70 feet and then bored. Tempera-
31	33.8	Apr. 25, 1934	H	D,S	345	850	402	Pumps ture 72° F, dry in 30 minutes. Reported water of best quality when
32	23	do.	W	D,S	24	230	232	heavily pumped. Temperature 73° F.
33	23.5	do.	N	N	-	-	-	Dug well. Water reported good but
34	19.1	do.	W	D,S	134	410	304	Temperature hard. 72° F.
35	10.6	Mar. 21, 1934	W	S	78	250	396	Temperature 73° F.
36	Flows	May 21, 1934	F	S	114	35	408	Flowing 6-3/4 feet above level of ground. Temperature 92° F. Yield 20 gallons a minute.
37	Flows	do.	F	S	240	50	352	Flowing 1/2 foot above level of gro- und. Small flow. Temperature 82° F.
38	39.9	do.	W	D,S	26	240	312	Temperature 72° F.
39	-	-	-	N	-	-	-	Reported that well did not flow.
40	-	-	-	N	-	-	-	do.
41	-	-	-	N	-	-	-	do.
42	-	-	-	N	-	-	-	do.
43	-	-	-	N	-	-	-	do.
44	26	June 1, 1934	W	N	-	-	-	-
45	-	-	-	N	-	-	-	Reported that well did not flow.
46	-	-	-	N	-	-	-	do.
47	-	-	-	N	-	-	-	do.
48	54.6	June 1, 1934	W	N	-	-	-	do.
49	-	-	-	N	-	-	-	do.
50	-	-	-	N		-	-	Reported that well flowed.

Records of wells in Victoria County -- continued

No.	Distance from Fordtran	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed: Depth to top of bed (ft.)	Water-bearing bed: Thickness of bed (ft.)
51	At Fordtran	R. T. Buchanan	-- Badget	1907	60	4	-	-
52	1-3/4 miles northeast	Mrs. M. A. Finch	-	1899	80	4	-	-
53	2½ miles east southeast	Walter Vogle	-	1896	74	6	-	-
54	5½ miles south southeast	Tom McCord	-	Old	56	4	-	-
55	8 miles south southeast	Jay Welder	-	Old	60	6	-	-
56	8 miles southeast	D. J. Musselman	-	1910	37	4	-	-
57	8½ miles south southeast	J. A. McFadden	G. H. Laughter	1924	800 +-	2-1/2	-	-
58	1¼ miles southwest	G. W. Norton Estate	Dunlap-Adams	Old	948	-	-	-
59	3-3/4 miles east	-- Storer	Valley Oil Corp.	Old	1,002	-	-	-

No.	Distance from Telfener	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed: Depth to top of bed (ft.)	Water-bearing bed: Thickness of bed (ft.)
73	6½ miles north	Davis Rice & Irrigation Co	-	1904	230 +-	4	-	-
74	do.	do.	-	1902 ?	230 +-	6	-	-
75	do.	do.	-	1905 ?	2,100 +-	6	-	-
76	do.	do.	-	1905 ?	230 +-	6	-	-
77	4 miles north northeast	T. C. Beck Estate	Ben Ware	Old	35	4	-	-
78	4½ miles north	A. Worden	do.	1904	42	4	-	-
79	7 miles north northeast	Louis Kolle	Adam Prukop	1904	65	4-1/4	-	-
80	7 miles northeast	Victoria County	-	-	-	-	-	-

All wells are drilled unless otherwise stated in remarks.

No.	Water level: Depth below top of casing	Water level: Date of measurement	Method of lift a/	Use of water b/	Field tests parts per million: Chloride	Field tests parts per million: Hardness	Field tests parts per million: Bicarbonate	Remarks
51	52.5	May 25, 1934	W	D,S	124	420	308	
52	43.8	May 21, 1934	W	D,S	76	280	456	Supplies 30 cattle. Temperature 73° F.
53	27.5	do.	W	D,S	68	220	362	Has supplied 100 cattle. Temperature
54	35	May 22, 1934	W	S	162	250	260	Temperature 72° F. 72° F.
55	Flows	May 21, 1934	W,F	S	129	250	330	Located 10 feet above dry creek bed. Temperature 75° F. Small flow.
56	20	May 22, 1934	W	D,S,I	475	700	352	Satisfactory for irrigation. Tempera-
57	Flows	-	F	S	-	-	-	Reported ture 72°F. always to have been a "weak" well. Yield 1½ gallons a minute.
58	-	-	-	N	-	-	-	
59	-	-	-	N	-	-	-	

No.	Water level: Depth below top of casing	Water level: Date of measurement	Method of lift a/	Use of water b/	Field tests parts per million: Chloride	Field tests parts per million: Hardness	Field tests parts per million: Bicarbonate	Remarks
73	-	-	-	N	-	-	-	With these wells and one other was irrigated 600 acres of rice for 12 seasons. One of the 230-foot wells was formerly known as the J. T. Rusk well.
74	-	-	-	N	-	-	-	do.
75	21.4	May 22, 1934	-	N	-	-	-	do.
76	-	-	-	N	-	-	-	do.
77	32.6	May 8, 1934	W	D,S,I	98	300	348	Water reported suitable for irrigation. Temperature
78	26.9	May 22, 1934	H	N	94	140	198	Reported 71° F. a "weak" well.
79	37.2	do.	W,G	D,S,I	-	-	-	Reported suitable for irrigation. Temperature 72° F.
80	-	-	H	P	-	-	-	Inez school well. Temperature 72° F.

Records of wells in Victoria County -- continued

No.	Distance from Telfener	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed: Depth to top of bed (ft.)	Water-bearing bed: Thickness of bed (ft.)
81	5¼ miles northeast	Lloyd Billstein	Lloyd Billstein	1932	56	4-1/4	50	6
82	3-3/4 miles east northeast	C. M. Billstein	C. M. Billstein	1917	38	4	-	-
83	2¼ miles northeast	Louis Kolle	Adam Prukop	1922	68	4-1/4	-	-
84	1-3/4 miles east southeast	G. W. Minatre	Ben Ware	1931	82	4	-	-
85	At Telfener	Barney Carrol	Barney Carrol	1930	36	-	30	6
86	½ mile southwest	Chas. Hillman	John Young	1926	924	4	328	7±
87	2-3/4 miles west northwest	Mahon & Buhler	-	1915	2,285	6-5/8	-	-

No.	Distance from Victoria	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed: Depth to top of bed (ft.)	Water-bearing bed: Thickness of bed (ft.)
101	3 miles east	Victor Bianchi	M. H. Saliziger	1929	68	4	-	-
102	4¼ miles northeast	Frank Mahon	-	1928	29	-	-	-
103	3 miles northeast	Mrs. -- Roach	-	Old	65	4	-	-
104	3½ miles north	Lydia S. Neal	-	Old	59	-	-	-
105	4-3/4 miles north	F. A. Neumann	-	Old	65	4	-	-
106	5½ miles north northwest	H. F. Wedemeier	M. A. Salziger	1925	42	4-1/4	-	-
107	4½ miles northwest	Mrs. Annie Brahman	Martin Klopf	1914	40	8	-	-
108	2-3/4 miles northwest	L. F. Schroeder	Frank Nolen	1899	40	4-1/4	-	-
109	1¼ miles northeast	C. A. Wallace	C. A. Wallace	1933	-	-	-	-
110	2 miles east southeast	S. Bammart	-	1931	60	4-1/4	-	-
111	4 miles east southeast	A B. Bowers	-	Old	80	10	-	-
112	3 miles southeast	Pat Welder	B. F. Powell	1916	909	2-1/2	871	38
113	3 miles southeast	do.	G. H. Laughter	-	619	2-1/2	600	19
114	3-3/4 miles southeast	do.	do.	-	665	2-1/2	637	28

All wells are drilled unless otherwise stated in remarks.

No.	Water level: Depth below top of casing	Water level: Date of measurement	Method of lift a/	Use of water b/	Field tests parts per million: Chloride	Field tests parts per million: Hardness	Field tests parts per million: Bicarbonate	Remarks
81	28.5	Mar. 6, 1934	H	D	100	380	-	Temperature 70° F.
82	29.3	May 5, 1934	W	D,S	70	270	372	Driven well. Temperature 72° F.
83	30	Mar. 6, 1934	W	D,S	80	320	-	Temperature 71° F.
84	24.2	May 5, 1934	W	D,S	380	450	382	Temperature 72° F.
85	32	-	H	D,S	100	250	-	Temperature 71° F.
86	16.5	Mar. 6, 1934	C,G	N	-	-	-	4-inch casing to 335 feet, then 2-inch casing to bottom.
87	-	-	-	N	-	-	-	Never flowed.

No.	Water level: Depth below top of casing	Water level: Date of measurement	Method of lift a/	Use of water b/	Field tests parts per million: Chloride	Field tests parts per million: Hardness	Field tests parts per million: Bicarbonate	Remarks
101	40	Apr. 30, 1934	W,H	D,S,I	147	270	410	Temperature 73° F.
102	25	-	H	D,S	160	450	-	Temperature 70° F.
103	51.5	Apr. 30, 1934	W	D,S	112	300	402	Reported a "strong" well. Temperature 72° F.
104	-	-	-	-	-	-	-	
105	33.7	Apr. 30, 1934	W	D,S	114	280	386	Reported a "strong" well. Temperature 72° F.
106	34.5	Mar. 13, 1934	W	D,S,I	80	400	-	Temperature 72° F.
107	28.9	Apr. 30, 1934	H	D,S	50	230	286	do.
108	35	-	H	S	500	2,000	-	Temperature 70° F.
109	-	-	H	D	-	-	-	
110	43.6	Mar. 14, 1934	W	D,S	140	370	-	
111	-	-	W	D,S	280	380	-	Temperature 71° F.
112	-	-	-	N	-	-	-	Never flowed. Capped.
113	-	-	W	D,S	110	100	-	Flowed 15 gallons a minute when drilled. Stopped flowing in 1932. Temperature 73° F.
114	Flows	Apr. 9, 1934	F	S	110	50	-	

Records of wells in Victoria County -- continued

No.	Distance from Victoria	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed: Depth to top of bed (ft.)	Water-bearing bed: Thickness of bed (ft.)
115	3-3/4 miles southeast	Pat Welder	-	-	1,050	2-1/2	-	-
116	do.	do.	Layne-Texas Co.	1929	689	6	668	22
117	4 miles southeast	J. J. Welder	B. F. Powell	1917	716	2-1/2	696	22
118	3¼ miles southeast	Pat Welder	M. Salziger	1924	60	4	-	-
119	3-3/4 miles southeast	do.	B. F. Powell	1917	662	2-1/2	600	62
121	3 miles south southwest	Mrs. Geo. Wilden	John Young	Old	1,517	8	-	-
122	3½ miles southwest	J. W. Calhoun	Martin Klopf	1894	60	4	-	-
123	1 mile northwest	City of Victoria No. 1	Layne-Bowler Co.	1907	-	10	600	-
124	do.	City of Victoria No. 2	do.	1908	611	24	334 559	10 42
125	do.	City of Victoria No. 4	-	-	414	12-8	375	38
126	½ mile north	-- Welder	B. F. Powell	-	569	4	528	41
127	2-3/4 miles west northwest	Miss Bird E. Smith	-	-	23	30	-	-
128	4½ miles west northwest	John F. Bass	Martin Klopf	1931	64	4	54±	10±
129	2¼ miles west	Victoria Material & Gravel Co.	G. H. Laughter	1931	410	4-1/4	400±	-
130	3 miles southwest	Robt. Dedear	Hugo Grease	1932	40	4	-	-
131	4-3/4 miles southwest	S. P. Railway Co.	M. A. Salziger	1929	90	-	-	-
132	½ mile east southeast	do.	F. W. & J. M. Rick	1914	276	12-1/2	75 115 170 260	20 5 8 15
133	3/4 mile south southwest	C. P. & L. Co.	Frank Knowlan	1904 ?	1,064	8	-	-
134	5 miles northeast	Oscar Wedemeier	-- Shaw	Old	1,500	12	-	-

All wells are drilled unless otherwise stated in remarks.

No.	Water level		Method of lift a/	Use of water b/	Field tests parts per million			Remarks
	Depth below top of casing	Date of measurement			Chloride	Hardness	Bicarbonate	
115	Flows	Apr. 9, 1934	F	N	280	50	-	Water is wasted. Temperature 83° F. Yield,33 gallons a minute.
116	Flows	-	F	D,S	130	70	-	Had a flow of 63 gallons a minute and temperature 78° F in Feb. 1929 according to driller.
117	Flows	Apr. 9, 1934	F	D,S	140	90	-	Temperature 75° F.
118	40	-	H	D,S	-	-	-	Temperature 71° F.
119	Flows	-	F	S	-	-	-	There are two flowing wells at this place.
121	Flows	May 16, 1934	F	S	300	40	372	Temperature 81° F. Yield,129 gallons a minute.
122	51.2	Apr. 30, 1934	W	D,S,I	46	240	268	Reported suitable for irrigation. Temperature 73° F.
123	Flows	Mar. 3, 1934	F	P	120	230	-	Yield,33 gallons a minute.
124	Flows	-	F	P	100	220	-	
125	Flows	Mar. 3, 1934	F,C	P	95	260	-	Yield, 30 gallons a minute.
126	Flows	-	-	-	-	-	-	
127	20.8	May 1, 1934	W	D,S	33	330	408	Dug well.
128	48.3	do.	W	D,S	84	270	342	Temperature 72° F.
129	Flows	Mar. 1, 1934	F	N	110	170	-	Temperature 75° F. Yield, 150 gallons a minute.
130	35	-	H	D,S	95	310	-	Temperature 72° F.
131	50	-	H	D,S	85	360	-	Temperature 72° F. At Aloe Station well.
132	43	-	C	R,R	158	320	360	
133	Flows	May 15, 1934	F	D,Ind	230	40	388	Temperature 82° F. Yield, 13 gallons a minute.
134	-	-	-	N	-	-	-	Well drilled for oil. Reported that it did not develop flow of water.

Records of wells in Victoria County -- continued

No.	Distance from Raisin	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed: Depth to top of bed (ft.)	Water-bearing bed: Thickness of bed (ft.)
151	2 miles north	B. A. Sievers	-	Old	60	4	-	-
152	1-3/4 miles northwest	H. Roell	John Marr	Old	60	48	-	-
153	At Raisin	Otto Kohl	Martin Klopf	1902	72	6-5/8	45-62-72	-
154	3 miles south	F. G. Schubert	Ples Chance	1931	64	4	46 64	-
155	5½ miles south southwest	M. E. Williams	do.	1911	58	4	-	-
156	5 miles south	G. A. Smith	-	Old	70	6	-	-
157	2-3/4 miles south southeast	Tom Joshua	-- Gervins	1911	65	4	-	-
158	4 miles south southeast	Louis Florentine	Louis Florentine	1928	108	3-3/4	-	-
159	2-3/4 miles east	Johannes Maurer	Richard Stetler	1895	83	4	52 83	-
160	5½ miles southeast	James Warden & Mrs. L.M. Lowery	-	1879	90	6	-	-

No.	Distance from McFaddin	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed: Depth to top of bed (ft.)	Water-bearing bed: Thickness of bed (ft.)
176	7½ miles northwest	Elmo Heller	Elmo Heller	1931	81	4	-	-
177	9 miles northwest	Mrs. Etta Terrell	John Young	-	-	-	-	-
178	8¼ miles west northwest	do.	Ples Chance	1879	75	48	-	-
179	5 miles west	Elias Gibson Estate	M. A. Salziger	Old	75	4	-	-
180	5½ miles northwest	James Murphy	B. F. Powell	1906	800	2-1/2	-	-
181	4½ miles northwest	A. M. McFaddin	-- Fisher	1926	592	4	-	-
182	do.	do.	-	-	700 +-	2	-	-
183	do.	do.	-	-	716	2	-	-
184	2½ miles west	G. B. Amery	-	1874	56	4	-	-
185	At McFaddin	-- McFaddin	B. F. Powell	-	710	2-1/2	-	-

All wells are drilled unless otherwise stated in remarks.

No.	Water level: Depth below top of casing	Water level: Date of measurement	Method of lift a/	Use of water b/	Field tests parts per million: Chloride	Field tests parts per million: Hardness	Field tests parts per million: Bicarbonate	Remarks
151	50.5	May 1, 1934	W	D,S	153	320	374	Supplies water for 58 cattle. Temperature 73° F.
152	43.2	do.	W	D,S	195	440	372	Dug well. Supplies water for 25 cattle. Temperature 72° F.
153	54	-	J	D,S	190	450	-	
154	54.6	May 8, 1934	W	D,S	72	270	350	
155	51.2	do.	W	D,S	275	350	344	Temperature 72° F.
156	52.3	do.	W	D,S,I	372	480	376	
157	53	Apr. 26, 1934	W	D,S	99	280	342	Supplies water to 300 cattle. Temperature 73° F.
158	52.4	May 8, 1934	W	D,S	105	300	320	
159	-	-	W	D,S	98	270	336	Temperature 73° F.
160	62.7	May 10, 1934	J	D,S,I	100	370	340	Reported suitable for irrigation.

No.	Water level: Depth below top of casing	Water level: Date of measurement	Method of lift a/	Use of water b/	Field tests parts per million: Chloride	Field tests parts per million: Hardness	Field tests parts per million: Bicarbonate	Remarks
176	49.4	May 10, 1934	W	D,S,I	64	230	376	Supplies water for 80 cattle. Temperature 72° F.
177	Flows	-	F	-	-	-	-	
178	46.7	May 10, 1934	W	D,S,I	106	280	402	Dug well.
179	48.6	do.	H	D,S	132	270	380	Temperature 72° F.
180	Flows	May 11, 1934	F,C,E	D,S,I	156	290	420	Temperature 81° F.
181	-	-	W	S	178	190	406	Folly Ranch, known as Dirt Tank well.
182	Flows	May 11, 1934	F	N	165	190	416	Folly Ranch known as Middle well. Temperature 80° F.
183	Flows	do.	F,W	D,S	175	190	414	Folly Ranch known as South well. Temperature 78° F.
184	44.4	May 10, 1934	W	S,I	410	450	368	Supplies water for 45 cattle. Temperature 74° F.
185	Flows	May 24, 1934	F,C,G	D,S,P	-	-	-	McFadden public supply. Flow, 1 gallon a minute.

Records of wells in Victoria County -- continued

No.	Distance from McFaddin	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed: Depth to top of bed (ft.)	Water-bearing bed: Thickness of bed (ft.)
186	1 mile south southeast	-- McFaddin	-- Fisher	-	680	2-1/2	-	-
187	1 mile south	do.	John Young	1910	440	2-1/2	-	-
188	1¼ miles south southeast	do.	-- Fisher	-	680	2-1/2	-	-
189	1½ miles southeast	do.	E. Landgraft	-	682	2	-	-
190	1-3/4 miles southeast	do.	B. F. Powell	-	440	2	-	-
191	3-3/4 miles southeast	do.	-- Dietrich	-	680	2	-	-
192	4½ miles east southeast	do.	John Young	-	200	2-1/2	-	-
193	4½ miles east	do.	-- Livingston	-	-	2-1/2	-	-
194	6 miles east	do.	-- Dietrich	-	930	2	-	-
195	5¼ miles east northeast	do.	do.	-	900	2-1/2	-	-
196	4 miles east northeast	do.	B. F. Powell	-	700	2	-	-
197	4¼ miles northeast	do.	do.	-	710	2-1/2	-	-
198	2½ miles northeast	do.	do.	-	640	2-1/2	-	-

All wells are drilled unless otherwise stated in remarks.

No.	Water level		Method of lift a/	Use of water b/	Field tests parts per million			Remarks
	Depth below top of casing	Date of measurement			Chloride	Hardness	Bicarbonate	
186	Flows	-	F,W	D,S	-	-	-	Known as "McCann well". Yield, 5 gallons a minute.
187	Flows	May 24, 1934	F	S	334	70	368	Known as "Sulphur well." Temperature 76° F. Yield, 15 gallons a minute.
188	Flows	-	F,W	D,S	-	-	-	Phelps known as Ranch Hdq. well. Yield, 5 gallons a
189	Flows	May 24, 1934	F	D,S	514	90	312	Known as minute. "Crane Place" well. Yield, 90 gallons a
190	Flows	do.	F	D,S	351	90	364	Known as minute. "Field Hdq." well, also reported 515 feet deep. Temperature 78° F. Yield, 22 gallons a minute.
191	Flows	do.	F	D,S	320	65	334	Known as "Lower Field" well. Temperature 81° F. Yield, 30 gallons a minute.
192	Flows	do.	F	S	320	165	334	Known as "Little Well". Temperature 73° F. Yield, 3 gallons a minute.
193	Flows	do.	F	S	462	45	412	Known as "Cove" North Well. Temperature 85° F. Yield, 4 gallons a minute.
194	Flows	-	F	D,S	-	-	-	Known as "Loma Alta" or "Guadalupe" well. Yield, 20 gallons a
195	Flows	May 24, 1934	F	S	292	85	368	Known as minute. "Chaparral" well. Temperature 84° F. Yield, 36 gallons a
196	Flows	do.	F	S	282	110	374	Known as minute. "Sand Lake" well. Temperature 80° F. Yield, 24 gallons a
197	Flows	do.	F	S	310	140	374	Known as minute. "Post Oak Hollow" well. Temperature 80° F. Yield, 16 gallons a minute.
198	Flows	do.	F	S	345	130	352	Known as "Bell Boy" well. Temperature 80° F. Yield, 11 gallons a minute.

Records of wells in Victoria County -- continued

No.	Distance from McFaddin	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed: Depth to top of bed (ft.)	Water-bearing bed: Thickness of bed (ft.)
199	2¼ miles east	-- McFaddin	-- Detrich	-	650	3	-	-
200	1½ miles north	do.	B. F. Powell	-	540	-	-	-
201	2-3/4 miles north	do.	do.	-	700 ±	2-1/2	-	-
202	4½ miles north	do.	do.	-	660	2	-	-
203	5 miles north	do.	-- Fisher	-	700	2	-	-
204	4 miles north northeast	do.	G. H. Laughter	-	700	2	-	-
205	2¼ miles northwest	Mrs. D. M. O'Connor	-	-	800 ±	-	-	-
206	2 miles west	do.	E. Landgraft	-	-	-	-	-
207	1-3/4 miles west	do.	-	-	480	-	-	-

No.	Distance from Guadalupe	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed: Depth to top of bed (ft.)	Water-bearing bed: Thickness of bed (ft.)
226	5 miles southwest	C. E. Parmley	-	Old	60	4	-	-
227	3-3/4 miles south southwest	-- Pickering	-	Old	66	4-1/4	-	-
228	2-3/4 miles southwest	M. C. Middleton	M. A. Salziger	1929	28	4-1/4	-	-
229	2 miles south	A. V. Pargac	-	Old	46	12	-	-
230	At Guadalupe	H. A. Zeplin	Martin Klopf	1900	65	-	-	-
231	2½ miles southeast	W. H. Devasier	-	Old	-	-	-	-

All wells are drilled unless otherwise stated in remarks.

No.	Water level: Depth below top of casing	Water level: Date of measurement	Method of lift a/	Use of water b/	Field tests parts per million: Chloride	Hardness	Bicarbonate	Remarks
199	Flows	May 24, 1934	F	S	305	125	364	Known as "Tibo" well. Temperature 82° F. Yield, 60 gallons a
200	-	-	-	N	-	-	-	Once flowed 4 gallons a minute. Ceased flowing and was abandoned.
201	Flows	May 24, 1934	F	S	238	150	384	Known as "Double Well". Yield, 15 to 20 gallons a minute when drilled. Temperature 82° F. Yield, 7 gallons a minute.
202	Flows	do.	F,W	S	205	280	374	Known as "Wood Pasture West Well". Temperature 82° F. Yield, 1 gallons a
203	Flows	-	F	S	195	280	400	Known as "Wood Pasture Middle well," Temperature 80° F. Yield, 7 gallons a minute.
204	Flows	May 24, 1934	F	S	295	210	354	Known as "Wood Pasture" East well. Temperature 81° F. Yield, 12 gallons a
205	Flows	-	-	S	-	-	-	H_2S well. minute.
206	-	-	W	S	-	-	-	Formerly 1,460 feet deep.
207	Flows	-	-	S	-	-	-	Strong gas flow reported.

No.	Water level: Depth below top of casing	Water level: Date of measurement	Method of lift a/	Use of water b/	Field tests parts per million: Chloride	Hardness	Bicarbonate	Remarks
226	41.5	May 3, 1934	W	D,S	80	310	350	
227	52.5	Mar. 15, 1934	W	D,S	90	290	-	Temperature 71° F.
228	-	-	H	D S	35	300	-	Temperature 70° F.
229	40.5	May 3, 1934	W	D,S	36	220	298	
230	42	-	W	D,S	224	370	-	
231	-	-	W	D,S	-	-	-	

Records of wells in Victoria County -- continued

No.	Distance from Guadalupe	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed: Depth to top of bed (ft.)	Water-bearing bed: Thickness of bed (ft.)
232	2½ miles east northeast	Martin O'Connor	-	Old	60	18	-	-
233	2¼ miles east northeast	do.	-- Willis	1923	60	4	-	-
234	2¼ miles north	O. E. Stolz	-	Old	82	4	-	-

No.	Distance from Placedo	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed: Depth to top of bed (ft.)	Water-bearing bed: Thickness of bed (ft.)
251	3¼ miles north northwest	R. A. Pottsy	-- Willis	1914	42	4	-	-
252	2½ miles northeast	J. W. Fleeman	-	Old	55	4-1/4	-	-
253	3 miles west	Levi Land Co.	-- Willis	1916	60	4	-	-
254	4¼ miles west southwest	E. W. Stubblefield	L. J. Weaver	1928	84	4	-	-
255	6½ miles west southwest	Levi Land Co.	-	Old	80	3	-	-
256	8½ miles west southwest	W. C. Tracy	-	1910?	90	12	-	-
257	7½ miles southwest	Frank S. Karda	O. Reimenschneider	1918		4	-	-
258	6 miles west southwest	J. W. Maroney	Tom Draudy	1914?	80 +-	4-1/4	-	-
259	5¼ miles southwest	B. W. Martin Gin Co.	O. G. Reimenschneider	1923	80 +-	6	-	-
260	4-3/4 miles southwest	St. L. B. & M. Ry. Co.	Layne-Bowlen	1909	843	4-1/4	800	41
261	6 miles southwest	T. P. Traylor	-	1879	80	30	-	-
262	3-3/4 miles south southwest	Bryan White	-	Old	112	4	-	-
263	3½ miles south southwest	Otto Diedering	O. G. Reimenschneider	1920	40	4	-	-
264	2¼ miles southwest	Mrs. Annie Staeff	M. A. Salziger	1917?	65 +-	4-1/4	-	-
265	½ mile west northwest	-- Hendesey	-	Old	40 +-	4-1/4	-	-
266	½ mile east southeast	S. P. Ry. Co.	S. J. English	1928	78	6	63	15
267	1-3/4 miles southeast	-- Schmidt	-	Old	-	4-1/4	-	-
268	5-3/4 miles east	J. E. Shannon	-	Old	38	4	-	-

All wells are drilled unless otherwise stated in remarks.

No.	Water level: Depth below top of casing	Water level: Date of measurement	Method of lift a/	Use of water b/	Field tests parts per million: Chloride	Field tests parts per million: Hardness	Field tests parts per million: Bicarbonate	Remarks
232	40.3	May 3, 1934	W	D,S	830	870	410	Dug well. Reported, water becomes salty in dry weather. Temperature 72° F.
233	38.3	do.	W	D,S	542	630	442	Temperature 72° F.
234	41	do.	W	D,S	165	310	408	

No.	Water level: Depth below top of casing	Water level: Date of measurement	Method of lift a/	Use of water b/	Field tests parts per million: Chloride	Field tests parts per million: Hardness	Field tests parts per million: Bicarbonate	Remarks
251	29.4	May 4, 1934	W	D,S	-	-	-	Temperature 72° F.
252	36	Mar. 14, 1934	W	D,S	360	540	-	Temperature 73° F.
253	34.8	May 4, 1934	H	D,S	260	290	438	Temperature 72° F.
254	39.2	Apr. 26, 1934	W	D,S	202	220	468	Temperature 73° F.
255	35	-	W	D,S	-	-	-	
256	49	May 3, 1934	W	D,S	65	260	376	Temperature 73° F.
257	29.4	Apr. 26, 1934	W	D,S	442	440	380	do.
258	45+-	Mar. 15, 1934	W	D,S	490	550	-	Temperature 71° F.
259	45.5	Apr. 26, 1934	J,G	D,Ind	263	310	434	
260	Flows	-	F	R.R.	225	210	390	Temperature 83° F. Yield 110 gallons a minute.
261	42.5	Apr. 26, 1934	W,J,G	D,S,I	420	410	408	Well dug to 60 feet, bored to 80 feet.
262	41	do.	W	D,S	612	800	304	
263	33.6	do.	W	D,S	84	230	462	Temperature 72° F.
264	29.6	do.	W	D,S	81	150	456	Temperature 74° F.
265	27.3	Mar. 14, 1934	H	D,S	65	380	-	Temperature 70° F.
266	30.6	May 4, 1934	J,G	D,R.R.	121	360	444	Cost $440 complete.
267	-	-	H	D,S	-	-	-	Temperature 72° F.
268	22.9	May 4, 1934	H	D,S	420	650	510	

Records of wells in Victoria County -- continued

No.	Distance from Keeran Ranch Headquarters	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
301	6-3/4 miles south	Keeran Estate	John W. Young	-	180	2	-	-
302	7 miles south	do.	-	-	35	-	-	-
303	6½ miles south	do.	John W. Young	1918	808	2	-	-
304	7 miles south	do.	do.	1918	460	2	-	-
305	6½ miles south southwest	do.	do.	1918	430	2	-	-
306	6 miles south southwest	do.	do.	-	222	-	-	-
307	5 miles south southwest	do.	do.	1921	931	2	-	-
308	5½ miles south	do.	do.	1914	1,500	4	-	-
309	4 miles south	do.	do.	1914	800 +-	2-1/2	-	-
310	5½ miles south southeast	do.	W. M. Owens	1911	524	2	-	-
311	6 miles south southeast	do.	do.	1911	237	2	-	-
312	4½ miles south	do.	John W. Young	1917	826	2	-	-
313	4 miles south-east	do.	do.	1922	931	2	-	-
314	4 miles south-east	do.	-	-	150 +-	2	-	-

All wells are drilled unless otherwise stated in remarks.

No.	Water level: Depth below top of casing	Water level: Date of measurement	Method of lift a/	Use of water b/	Field tests parts per million: Chloride	Field tests parts per million: Hardness	Field tests parts per million: Bicarbonate	Remarks
301	Flows	May 17, 1934	F	S	205	140	412	Known as "Hidden Well". Temperature 74° F. Yield, 12 gallons a minute.
302	-	-	N	S	-	-	-	
303	Flows	May 17, 1934	F	S	508	85	448	Known as "Black Hollow" well. Temperature 81° F. Yield, 5 gallons a minute.
304	Flows	do.	F	S	640	160	384	Temperature 77° F. Yield, 6 gallons a minute.
305	Flows	do.	F	S	478	130	372	Known as "Ed Wilson" well. Temperature 76° F. Yield, 6 gallons a minute.
306	-	-	-	N	-	-	-	Formerly known as "Sulphur" well.
307	Flows	May 17, 1934	F	S	280	70	412	Known as "Yokami" well. Temperature 83° F. Yield, 30 gallons a minute.
308	Flows	do.	F	S	715	95	468	Known as "Deep Well" Temperature 88° F. Yield, 36 gallons a minute.
309	-	-	F	S	300	70	402	Known as "Four Troughs" well. Temperature 81° F. Yield, 50 gallons a minute.
310	Flows	May 17, 1934	F	S	900	160	388	Known as "Kentucky Mott" Temperature 77° F. Yield, 2.5 gallons a minute.
311	Flows	do.	F	S	305	120	458	Known as "Oyster Bayou" or "Point Well". Temperature 75° F. Yield, 2 gallons a minute.
312	Flows	do.	F	S	340	60	418	Known as "Brush" well. Temperature 82° F. Yield 21 gallons a minute.
313	Flows	do.	F	S	492	75	420	Known as "Molden Mott Hill" well. Temperature 83° F. Yield, 30 gallons a minute.
314	Flows	do.	F	S	500	210	374	Known as "North Creek Well". Temperature 74° F. Yield, 8 gallons a minute.

Records of wells in Victoria County -- continued

No.	Distance from Keeran Ranch Headquarters	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
315	3 miles southeast	Keeran Estate	John W. Young	-	110	2	-	-
316	2 miles southeast	do.	do.	-	50	3-1/2	-	-
317	1½ miles east southeast	do.	-	-	656	-	-	-
318	1¼ miles southeast	do.	-- Channecy	-	130	4	-	-
319	1 mile east	do.	John W. Young	-	149	2	-	-
320	1 mile northeast	do.	do.	-	202	6	-	-
321	At Headquarters	do.	do.	-	850	4	-	-
322	2½ miles southwest	do.	do.	-	650	2	-	-
323	3¼ miles south southwest	do.	-	-	705	2	-	-
324	4½ miles southwest	do.	do.	-	805	2	-	-

a/ H, hand pump; W, windmill; J, jack pump; G, gas or oil engine; F, flow.

All wells are drilled unless otherwise stated in remarks.

No.	Water level: Depth below top of casing	Water level: Date of measurement	Method of lift a/	Use of water b/	Field tests parts per million: Chloride	Field tests parts per million: Hardness	Field tests parts per million: Bicarbonate	Remarks
315	Flows	May 17, 1934	F	S	265	161	380	Known as "Elm Flat" well. Temperature 73° F. Yield, 2.5 gallons a minute.
316	Flows	do.	F	S	302	200	386	Temperature 74° F. Yield, 2 gallons a minute.
317	Flows	do.	F	S	271	85	422	Known as "Hays Flat Number 2" well. Temperature 76° F. Yield, 20 gallons a minute.
318	Flows	do.	F	S	238	120	380	Known as "Hays Flat No. 1" well. Temperature 74° F. Yield, 5 gallons a minute.
319	Flows	do.	F	S	225	100	380	Known as "Bull Pasture" well. Temperature 73° F. Yield, 10 gallons a minute.
320	Flows	-	F	S	-	-	-	Known as "Milk Cow" well. Yield, 50 gallons a minute.
321	Flows	May 17, 1934	F	D,S	232	75	408	Reported to furnish enough gas for cooking. Temperature 85° F. Yield, 10 gallons a minute.
322	Flows	do.	F	S	265	85	380	Known as "Three Mile Well". Temperature 86° F. Yield, 2.5 gallons a minute.
323	Flows	do.	F	S	272	85	400	Known as "Agula" well. Temperature 79° F. Yield, 10 gallons a minute.
324	Flows	do.	F	S	295	80	388	Known as "Old Man Webb" well. Temperature 81° F. Yield, 10 gallons a minute.

b/ D, domestic; S, stock; P, public supply; I, irrigation; R.R. railroad; N, not used.

Table of Drillers' Logs, Victoria County, Texas

Driller's log of well 36

J. Welder, owner.

	Thickness (feet)	Depth (feet)
Soil	2	2
Yellow clay	8	10
Sand	10	20
Yellow clay and rock	20	40
Sand	10	50
Yellow clay and rock	20	70
Sand	20	90
Clay and rock	15	105
Sand	15	120
Blue clay	10	130
Sand	32	162
Rock	1	163
Sand	7	170
Rock and sand	10	180
Blue clay and boulders	60	240
Sand and rock	40	280
Soft rock	10	290
Sand	10	300
Blue clay and rock	10	310
Rock and clay	25	335
Sand	5	340
Rock	6	346
Blue clay	19	365
Sand	15	380
Rock	1	381
Sand	4	385
Rock	1	386
Sand	14	400
Rock	1	401
Blue clay and boulders	44	445
Red and blue clay	30	475
Rock	1	476
Gas, sand	2	478
Rock	1	479
Blue clay	3	482
Rock	1	483
Blue clay	42	525
Rock	1	526
Soft gumbo	4	530
Sand and gravel	8	538
Rock	3	541
Sand	8	549
Red and blue clay	21	570
Fine sand	15	585
Brown clay	15	700
Sand and rock	5	705
Brown clay and boulders	10	715
Sand and rock	41	756
Brown clay and boulders	14	770
Brown clay	20	790
Sand and gravel	26	816

Driller's log of well 39

Robert Welder, owner.

	Thickness (feet)	Depth (feet)
White clay	20	20
Rock	10	30
Gravel	5	35
Rock	5	40
Gravel	10	50
Rock	10	60
Gravel	10	70
Rock	5	75
Gravel	10	85
Rock	10	95
Gravel	15	110
Rock	10	120
Gravel	15	135
Rock	5	140
Gravel	10	150
Rock	10	160
Blue clay	10	170
Red clay	10	180
Red clay and boulders	50	230
Sand	20	250
Sand and clay	109	359
Clay and rock	11	370
Sand	10	380
Rock	5	385
Red clay	15	400
Sand	10	410
Rock	1	411
Sand	9	420
Rock	5	425
Rock and blue clay	70	495
Sand	5	500
Rock and sand	10	510
Rock	10	520
Sand	10	530
Black and blue clay	30	560
Sand	10	570
Brown clay and rock	30	600
Gravel	10	610
Brown clay and boulders	5	615
Rock	5	620
Rock and clay	50	670
Rock	10	680
Sand and rock	20	700
Rock	5	705
Sand and rock	15	720
Brown clay	20	740
Rock	5	745
Fine sand	10	755
Rock	5	760
Red and blue clay	20	780

(continued on next page)

Table of Drillers' Logs, Victoria County -- continued

	Thickness (feet)	Depth (feet)
Driller's log of well 39 --continued		
Rock, clay and sand oil-	10	790
Red clay- - - -	20	810
Gravel, gas - - -	17	827
Rock- - - - -	8	835
Red and blue clay -	20	855
Very hard rock - -	10	865
Red and blue clay -	25	890
Hard rock - - -	10	900
Red clay- - - -	10	910
Gravel and sand, gas, no flow - - -	17	927
Driller's log of well 85		
Barney Carrol, owner.		
Surface soil- - -	2	2
Very tough and gummy blue clay - - -	28	30
Real fine quicksand -	6	36
Driller's log of well 87		
Mrs. C. Mahon and O. Buhler, owners.		
Surface soil and clay - - - -	20	20
Clay- - - - -	21	41
Rock- - - - -	9	50
Gumbo - - - -	20	70
Sand- - - - -	7	77
Boulders- - - -	6	83
Sand- - - - -	6	89
Gumbo - - - -	20	109
Water sand - - -	20	129
Lime rock - - -	12	141
Sand- - - - -	2	143
Gumbo - - - -	9	152
Lime rock - - -	23	175
Blue gumbo - - -	77	252
Sand- - - - -	8	260
Boulders- - - -	5	265
Gumbo - - - -	13	288
Hard rock - - -	16	304
Water sand - - -	102	406
Hard sand - - -	11	417
Rock- - - - -	18	435
Blue gumbo - - -	60	495
Green shale - - -	21	516
Water sand and gravel- - - -	11	527
Gravel - - - -	7	534
Water sand - - -	11	545
Sand rock - - -	16	561
Gumbo- - - - -	14	575
Hard rock - - -	28	603
Sand and gas- - -	25	628
Sand and gravel - -	10	638
Rock - - - - -	10	648
Sand - - - - -	16	664
Gumbo- - - - -	14	678
Shale- - - - -	9	687
Boulders and sand -	20	707
Sand - - - - -	11	718
Green shale - - -	10	728
Blue gumbo - - -	81	809
Blue shale - - -	41	850
Shale and limestone -	20	870
Sand with gas - -	11	881
Gumbo- - - - -	48	929
Shale- - - - -	6	935
Hard rock- - - -	10	945
Hard shale - - -	5	950
Hard green gumbo and shale - - -	51	1,001
Hard shale - - -	10	1,011
Hard shale and 'gyp' rock- - - - -	66	1,077
Hard rock - - - -	20	1,097
Sand, oil and gas- -	41	1,138
Sand and 'gyp' rock -	20	1,158
'Gyp' and green shale-	8	1,166
Very hard gumbo - -	71	1,237
Hard green shale - -	21	1,258
Gumbo - - - -	22	1,280
Chalk rock - - -	15	1,295
Hard yellow shale -	5	1,300
Gumbo, hard - - -	37	1,337
Hard shale - - -	5	1,342
Lime and sand - -	20	1,362
Sand, oil and gas -	11	1,373
Hard yellow gumbo -	10	1,383
Chalk rock - - -	7	1,390
Very hard gray shale - - - -	10	1,400
Gumbo- - - - -	107	1,507
Hard shale and rock - - - -	190	1,697
Shale and sand, gumbo - - - -	83	1,780
Hard shale and gypsum- - - -	96	1,876
Sand, oil - - -	243	2,119
Rock, gas - - -	81	2,200
Gumbo - - - -	85	2,285

Table of Drillers' Logs, Victoria County --continued

	Thickness (feet)	Depth (feet)
Driller's log of well 104		
Lydia S. Neal, owner.		
Yellow clay and lime nodules	15	15
White limey sand	1	16
Sand, no water	15	31
Coarse gravel	1	32
Coarse gravelly sand, no water	5	37
Quicksand	6	43
Gravelly clay	2	45
Soft clayey sand, water	2	47
Sandstone	1	48
Gravel, water	11	59
Driller's log of well 116		
Patrick Welder, owner.		
Sandy clay	8	8
Sand	36	44
Sand and gravel	23	67
Gravel and boulders	20	87
Gravel, sand and rock	19	106
White clay	15	141
Rock	1	142
Clay	3	145
Hard white clay	41	186
Sand and boulders	41	227
Blue clay and white rock	79	306
Gumbo and lime	120	426
Blue gumbo	43	469
Rock	4	473
Sand	20	493
Red gumbo	69	562
Blue gumbo	48	610
Sand	15	625
Hard sand	43	668
Sand	23	689
Driller's log of well 123		
City of Victoria, owner.		
Soil and clay	19	19
Sand rock	21	40
Sand	43	83
Soft rock	2	85
Rock sand	12	97
Soft rock	2	99
Gravel	14	103
Packed sand	59	162
Limey clay	34	196
Gumbo	16	212
Limey clay	15	227
Soft clay	4	231
White clay	14	245
Gumbo	33	278
Sand	3	281
Rock	1	282
White loose sand	9	291
Sand rock	5	296
Gumbo	3	299
Sand rock	4	303
Gumbo	4	307
Sand rock	4	311
Gumbo	7	318
Sand	8	326
Gumbo	7	333
Packed sand	10	343
Rock	1	344
Clay and gravel	11	355
Gumbo and gravel	14	369
Gumbo	4	373
Caving clay	32	405
Gumbo	10	415
Caving clay	29	444
Gumbo	98	542
Sand	3	545
Gumbo	6	551
Sand	46	597
Gumbo	3	600
Rock	3	603
Gumbo	25	628
Shale	4	632
Red gumbo	43	675
"Soapstone"	3	678
Rock	1	679
Red gumbo	78	757
Caving clay	41	798
Soft gumbo	25	823
Caving clay	10	833
Rock	1	834
Shale	8	842
Gumbo	40	882
Sand rock	14	906
Hard rock	1	907
Sand rock	2	909
Hard rock	1	910
Sand rock	17	927
Rock	2	929
Hard clay	55	984
Lime rock	2	986
Gumbo	3	989

(Continued on next page)

Table of Drillers' Logs, Victoria County --continued

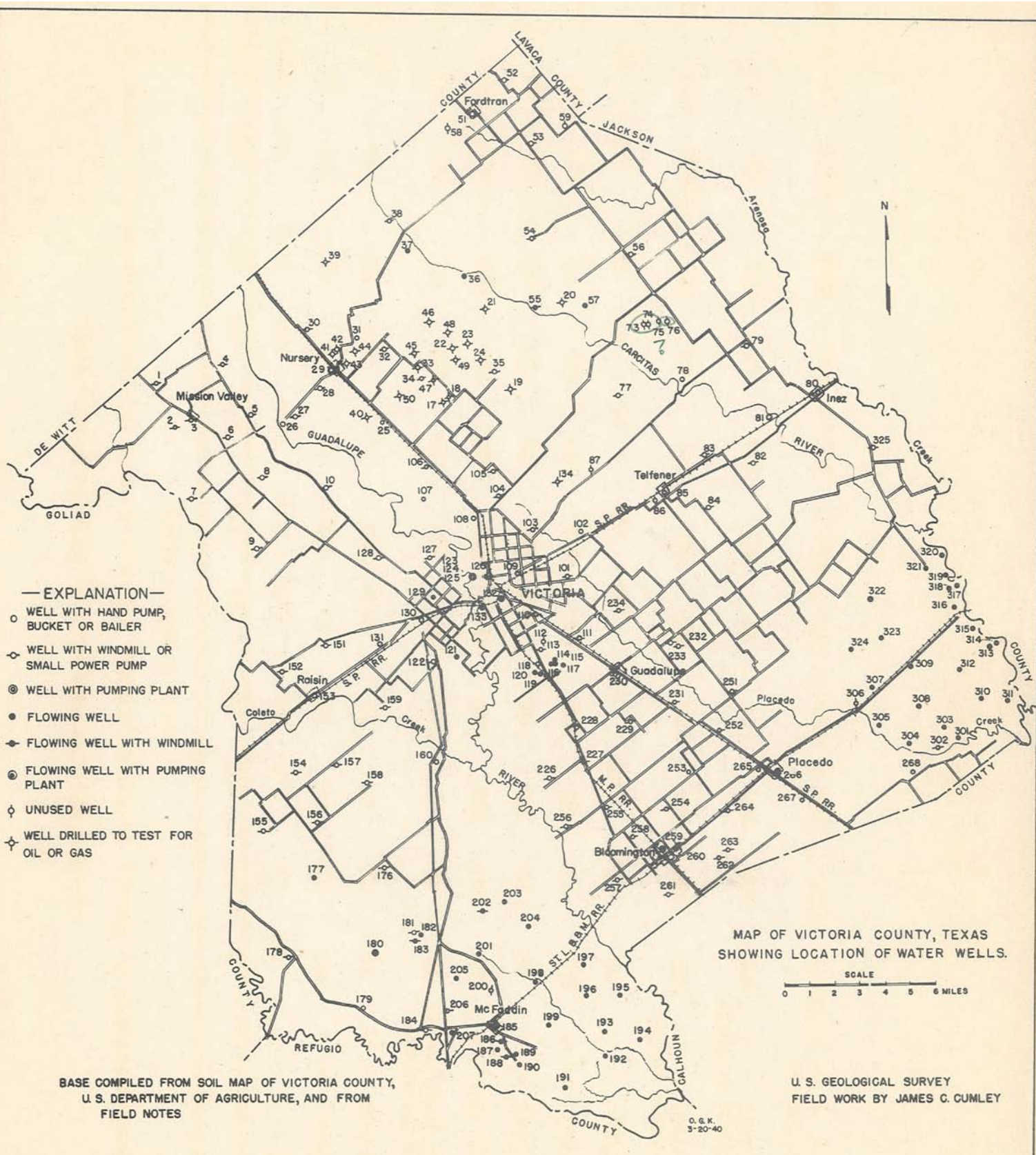
	Thickness (feet)	Depth (feet)
Driller's log of well 123 --continued		
"Soapstone" - - -	2	991
Soft rock - - - -	9	1,000
Clay - - - - -	7	1,007
Gumbo- - - - -	4	1,011
Hard rock- - - -	8	1,019
Rock - - - - -	12	1,031
Hard clay- - - -	11	1,042
Gumbo- - - - -	4	1,046
Gumbo and "soapstone"-	18	1,064
"Soapstone" - - -	14	1,078
Lime rock- - - -	20	1,098
Gumbo- - - - -	14	1,112
Hard shale - - -	14	1,126
Hard sand and limestone - - -	33	1,159
Sand and sand rock -	35	1,194
Sandy clay - - -	9	1,203
Gumbo- - - - -	25	1,228
Rock - - - - -	18	1,246
Gumbo- - - - -	53	1,299
Lime rock and clay -	11	1,310
Soft shale - - -	11	1,321
Gumbo- - - - -	11	1,332
Limestone- - - -	3	1,335
Gumbo- - - - -	44	1,379
Rock - - - - -	1	1,380
Gumbo- - - - -	12	1,392
Rock and hard clay -	23	1,415
Gumbo- - - - -	39	1,454
Hard clay- - - -	32	1,486
Soft rock and sandstone - - - -	7	1,493
Rock - - - - -	3	1,496
Sand rock- - - -	17	1,513

	Thickness (feet)	Depth (feet)
Driller's log of well 154		
E. G. Schubert, owner.		
Soil - - - - -	4	4
Red clay - - - -	9	13
Yellow clay - - -	36	49
Sand and gravel - -	7	56
White sand rock - -	2	58
Gravel- - - - -	6	64
Driller's log of well 260		
St. Louis, Brownsville, and Mexico Railway, owner.		
Clay - - - - -	100	100
Fine sand - - - -	20	120
Good sand - - - -	90	210
Blue clay - - - -	290	500
Fine sand - - - -	15	515
Clay - - - - -	185	700
Fine sand - - - -	20	720
Clay - - - - -	80	800
Sand - - - - -	41	841
Driller's log of well 266		
Southern Pacific Railway, owner.		
Soil - - - - -	4	4
Clay - - - - -	24	28
Hard sand - - - -	12	40
Quicksand - - - -	20	60
Clay - - - - -	3	63
Water sand and gravel - - - -	15	78
Clay - - - - -	-	78

Analyses of water from wells in Victoria County, Texas

(Analyzed by Margaret D. Foster. Parts per million. Numbers at heads of columns correspond to numbers in table of well records)

	3	38	83	110	116	155	181	191	227	258	309	315
Iron (Fe)	2.5	11	0.94	10	0.24	0.15	0.08	0.07	0.52	8.8	0.13	0.27
Calcium (Ca)	159	86	76	69	13	116	49	12	85	140	14	36
Magnesium (Mg)	15	11	17	15	7.0	27	34	7.1	10	33	7.4	16
Sodium and Potassium (Na + K) (calculated)	111	11	69	122	208	152	188	312	61	256	318	246
Bicarbonate (HCO_3)	398	280	362	355	406	350	408	339	310	431	398	388
Sulphate (SO_4)	42	10	24	24	6.3	67	85	10	24	111	14	2.6
Chloride (Cl)	228	26	62	130	123	265	176	318	74	405	295	262
Nitrate (NO_3)	10	7.7	.18	.10	.10	1.0	.10	.20	2.8	3.3	.10	.10
Total dissolved solids (calculated)	761	290	426	535	550	800	733	826	410	1,161	845	754
Total hardness as $CaCO_3$ (calculated)	459	260	260	234	61	401	262	59	254	485	65	156
Date of collection (1934)	Aug. 8	Aug. 7	Aug. 3	Aug. 3	Aug. 3	Aug. 6	Aug. 6	Aug. 6	Aug. 3	Aug. 3	Aug. 6	Aug. 6


LAVACA COUNTY
JACKSON COUNTY
DE WITT COUNTY
GOLIAD COUNTY
REFUGIO COUNTY
CALHOUN COUNTY
Fordtran
Nursery
Mission Valley
GUADALUPE RIVER
CARCITAS Creek
Inez
Telfener
VICTORIA
Raisin
Coleto Creek
Guadalupe
Placedo
Placedo
Bloomington
McFaddin
S.P. RR.
M.K.T. RR.
St.L.B.&M. RR.
N
SCALE
0 1 2 3 4 5 6 MILES
— EXPLANATION —
WELL WITH HAND PUMP, BUCKET OR BAILER
WELL WITH WINDMILL OR SMALL POWER PUMP
WELL WITH PUMPING PLANT
FLOWING WELL
FLOWING WELL WITH WINDMILL
FLOWING WELL WITH PUMPING PLANT
UNUSED WELL
WELL DRILLED TO TEST FOR OIL OR GAS
MAP OF VICTORIA COUNTY, TEXAS
SHOWING LOCATION OF WATER WELLS.
BASE COMPILED FROM SOIL MAP OF VICTORIA COUNTY, U. S. DEPARTMENT OF AGRICULTURE, AND FROM FIELD NOTES
U. S. GEOLOGICAL SURVEY
FIELD WORK BY JAMES C. CUMLEY
O. G. K. 3-20-40