

STERLING COUNTY, TEXAS

Records of wells and springs, drillers' logs, water analyses,
and map showing locations of wells and springs

TEXAS STATE BOARD OF WATER ENGINEERS

C. S. Clark, Chairman

A. H. Dunlap, Member

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

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By

W. O. George and J. C. Dalgarn

This publication contains records of 437 wells and springs, drillers' logs of 12 wells, logs of 76 test holes, and the results of chemical analyses of water from 234 wells and springs in Sterling County, Texas. The records were collected from February 16, 1941 to July 15, 1941, by J. C. Dalgarn, Project Supervisor, Project No. 17277 of the Work Projects Administration. This project was sponsored by the Texas State Board of Water Engineers in cooperation with the United States Department of the Interior, Geological Survey.

The analyses were made by chemists employed on Work Projects Administration Project No. 17276 under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry, The University of Texas, and E. W. Lohr and W. W. Hastings, Assistant Chemists of the Quality of Water Division of the Federal Geological Survey. The results of all of the analyses are tabulated in parts per million and thirty of them are also given in milligram equivalents per liter for the convenience of those who prefer this form of expressing the quality of water.

The records serve as a guide to land owners, well drillers and others who need information regarding wells, the depth to ground water in different parts of the county, and the quality and chemical character of water yielded by the wells. They provide useful information for more detailed investigations that are being made by the Texas State Board of Water Engineers in cooperation with the Federal Geological Survey in many parts of Texas.

A limited number of copies of this release are available for free distribution. They may be obtained by addressing a request to Mr. C. S. Clark, Chairman, Texas State Board of Water Engineers, 302 West 15th Street, Austin, Texas.

This release was mimeographed by employees of the Work Projects Administration Project No. 17276.

Records of wells and springs in Sterling County, Texas
All wells were drilled unless otherwise stated in remarks

Well No.	Distance from Sterling City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
1	22 miles northwest	W. N. and L. R. Reed	--	Old	150	--	0
2	19 $\frac{3}{4}$ miles northwest	Parramore and Douthly	The Co-Operative Development Co.	1925	1,639	--	--
3	19 $\frac{1}{2}$ miles northwest	D. D. Parramore	C. Smith	1937	99	5 $\frac{1}{2}$	1.2
4	18 $\frac{3}{4}$ miles northwest	do.	do.	1935	81	4	3.0
5	18 $\frac{1}{4}$ miles northwest	do.	--	1923?	99	6	1.0
6	do.	do.	C. Smith	1937	60	6	1.0
d/ 7	17 $\frac{3}{4}$ miles northwest	do.	--	1930	51	8	2.5
8	17 $\frac{1}{2}$ miles northwest	do.	C. Smith	1930	52	5 $\frac{1}{2}$	.4
d/ 9	do.	do.	--	Old	91	5 $\frac{1}{2}$	1.5
10	do.	do.	--	--	Spring	--	--
11	17 $\frac{1}{4}$ miles northwest	do.	--	Old	42	5 $\frac{1}{2}$	1.1
d/ 12	17 miles northwest	do.	--	1933?	58	4	.4
13	15 $\frac{1}{2}$ miles northwest	do.	--	1921	91	6	1.4
d/ 14	15 $\frac{3}{4}$ miles northwest	do.	--	1912	72	5 $\frac{1}{2}$	.6
d/ 15	17 miles northwest	do.	--	1921	117	6	1.0
16	18 miles northwest	do.	--	Old	154	5 $\frac{1}{2}$	.0
17	19 miles northwest	W. N. and L. R. Reed	--	1905	112	5 $\frac{1}{2}$	.3
d/ 18	20 $\frac{1}{4}$ miles northwest	do.	--	Old	132	5 $\frac{1}{2}$	.7
d/ 19	18 miles northwest	do.	C. Smith	1935	105	5 $\frac{1}{2}$	1.0
d/ 20	do.	do.	--	1933	140	5 $\frac{1}{2}$	.2
21	17 $\frac{1}{2}$ miles northwest	D. D. Parramore	--	Old	196	5 $\frac{1}{2}$	.6
22	17 $\frac{1}{4}$ miles northwest	do.	--	1935	95	4	1.6
23	15 $\frac{1}{4}$ miles northwest	G. A. Stockton	--	1908?	92	5 $\frac{1}{2}$	.0
24	15 miles northwest	D. D. Parramore	--	1925	40	6	2.0

a/ Plus (+) indicates water level is above ground.

b/ T, turbine; Cf, centrifugal; C, cylinder; E, electric; G, gasoline engine; W, windmill; H, hand. Figure indicates horsepower.

Chemical analyses of water from most of these wells and springs are shown in a table of analyses

Well No.	Water level		Method of lift b/	Use of water c/	Remarks
	Below measuring point (ft.) a/	Date of measurement			
1	135	--	C,W	S	
2	--	--	--	--	Oil test.
3	73.10	May 14, 1941	C,W	S	
4	57.10	do.	C,W	S	Cased to bottom.
5	84.05	do.	C,W	S	
6	50.00	do.	C,W	S,Irr	Irrigates small garden.
7	46.10	May 13, 1941	C,W	S	Cased to 20 feet.
8	16.40	May 14, 1941	C,W	S	Cased to 40 feet.
9	59.10	do.	C,W	D,S	Cased to 80 feet.
10 ⁺		--	Flows	S	In bed of creek. Supplies several hundred head of stock.
11	23.40	May 13, 1941	C,H	N	
12	31.00	do.	C,W	S	Cased to 40 feet.
13	71.90	do.	C,W	S	Cased to 80 feet.
14	54.10	do.	C,W	S	
15	86.70	do.	C,W	S	Cased to 80 feet.
16	141.50	May 14, 1941	C,W	S	
17	98.89	Apr. 25, 1941	C,W	S	Cased to 20 feet.
18	122.17	do.	C,W	S	
19	85.12	do.	C,W	S	
20	113.14	do.	C,W	S	Cased to 40 feet.
21	179.50	May 14, 1941	C,W	S	
22	77.40	do.	C,W	S	
23	74.06	do.	C,W	D,S	
24	22.40	do.	C,W	S	

c/ P, public supply; Irr, irrigation; D, domestic; S, stock; N, none.

d/ Analysis of water in table of water analyses

e/ Reported by driller or owner.

Records of wells and springs in Sterling County--Continued

Well No.	Distance from Sterling City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
25	14 miles northwest	Matthews Est.	--	--	132	5 $\frac{1}{2}$	.5
26	13 $\frac{3}{4}$ miles northwest	do.	--	Old	88	8	1.5
27	13 $\frac{1}{4}$ miles northwest	do.	--	--	143	5 $\frac{1}{2}$	.5
28	12 $\frac{1}{2}$ miles northwest	J. C. Reed	--	1904	243	5 $\frac{1}{2}$	0
d/ 29	11 $\frac{1}{4}$ miles northwest	do.	--	1904	110	5 $\frac{1}{2}$	.5
30	11 miles northwest	do.	--	1904	100	5 $\frac{1}{2}$	3.0
d/ 31	9 $\frac{3}{4}$ miles northwest	J. T. Davis	C. Smith	1935	52	5 $\frac{1}{2}$	.4
d/ 32	do.	do.	do.	1935	50	5 $\frac{1}{2}$	.5
d/ 33	10 $\frac{1}{2}$ miles northwest	T. F. Foster, Jr.	--	--	127	5 $\frac{1}{2}$	1.0
d/ 34	9 $\frac{3}{4}$ miles northwest	do.	T. F. Foster, Jr.	1933	30	6	1.4
35	9 miles northwest	do.	--	1891?	--	--	.5
d/ 36	do.	do.	--	1935	100	6	.5
d/ 37	9 $\frac{1}{4}$ miles northwest	do.	--	1936	69	6	.8
d/ 38	9 miles north	J. T. Davis	C. Smith	1939	60	5 $\frac{1}{2}$	2.5
39	do.	do.	--	--	Spring	--	--
40	do.	T. G. Brennand	John W. Sward	1938	3,011	--	--
d/ 41	8 $\frac{3}{4}$ miles north	J. T. Davis	C. Smith	1939	119	5 $\frac{1}{2}$	1.0
42	7 $\frac{3}{4}$ miles northwest	do.	do.	1937	141	5 $\frac{1}{2}$	1.0
d/ 43	6 miles northwest	J. C. Reed	--	1906	128	5 $\frac{1}{2}$	.4
44	6 $\frac{1}{2}$ miles northwest	do.	--	1890	110	5 $\frac{1}{2}$	.3
d/ 45	7 miles northwest	J. T. Davis	--	--	92	5 $\frac{1}{2}$	.4
d/ 46	7 $\frac{1}{2}$ miles northwest	do.	C. Smith	1935	82	5 $\frac{1}{2}$	.5
d/ 47	8 $\frac{3}{4}$ miles northwest	do.	--	1937	60	5 $\frac{1}{2}$	1.0
48	9 miles northwest	J. C. Reed	--	1890	60	5 $\frac{1}{2}$	.0
d/ 49	8 miles northwest	J. T. Davis	--	1928?	54	5 $\frac{1}{2}$	.0
d/ 50	7 $\frac{1}{4}$ miles northwest	do.	--	1930	40	5 $\frac{1}{2}$	.2

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) a/	Date of measurement			
25	112.40	June 21, 1941	C,W	S	
26	74.60	do.	C,W	D,S	
27	135.66	do.	C,W	S	
28	e/212	--	C,W	S	
29	e/ 90	--	C,W	D,S	
30	63.40	June 21, 1941	C,W	S	
31	38.60	May 16, 1941	C,W	S	Cased to 40 feet.
32	37.60	do.	C,W	S	
33	110.00	June 27, 1941	C,W	S	
34	21.55	do.	C,W	S	Bored with hand auger. Near bank of creek.
35	44.32	do.	--	N	
36	55.55	do.	C,W	D,S	Cased to bottom.
37	50.30	do.	C,W	S	No casing.
38	34.78	Apr. 23, 1941	C,W	S	Cased to bottom.
39		--	Flows	S	Water reported highly mineralized.
40	--	--	--	--	Oil test. See log.
41	62.67	May 16, 1941	C,W	S	
42	113.75	do.	C,W	S	
43	90.40	June 20, 1941	C,W	S	
44	93.45	do.	C,W	D,S	
45	68.86	May 16, 1941	C,W	S	
46	66.30	do.	C,W	D,S	
47	18.80	do.	C,W	S	Cased to 40 feet.
48	39.45	June 20, 1941	C,W	D,S	
49	33.60	May 16, 1941	C,W	D,S	
50	15.65	do.	C,W	S	Cased to bottom.

Records of wells and springs in Sterling County--Continued

Well	Distance from Sterling City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
60	7 $\frac{3}{4}$ miles northwest	J. C. Reed	C. Smith	1940	78	5 $\frac{1}{2}$	1.0
62	10 $\frac{1}{4}$ miles northwest	G. H. McEntire	--	Old	99	5 $\frac{1}{2}$	1.4
d/ 63	10 $\frac{3}{4}$ miles northwest	do.	C. Smith	1941	120	6	.5
64	11 $\frac{1}{2}$ miles northwest	J. C. Reed	--	1908	131	8	2.0
65	13 miles northwest	do.	--	1908	211	8	2.0
66	14 miles northwest	J. S. Cole	C. Smith	1932	114	5 $\frac{1}{2}$	1.4
67	15 $\frac{3}{4}$ miles northwest	do.	--	1908?	74	6	1.6
68	16 miles northwest	do.	--	1900?	50	5 $\frac{1}{2}$	0
d/ 69	16 $\frac{3}{4}$ miles northwest	W. N. and L. R. Reed	--	1905	90	5 $\frac{1}{2}$	.5
70	do.	do.	--	1905	90	6	0
d/ 71	15 $\frac{1}{4}$ miles northwest	J. S. Cole	C. Smith	1937	71	5 $\frac{1}{2}$	1.2
d/ 72	14 $\frac{1}{2}$ miles northwest	G. H. McEntire	--	--	60	4	3.0
d/ 73	12 $\frac{1}{2}$ miles northwest	do.	--	--	89	5 $\frac{1}{2}$	.2
d/ 74	10 $\frac{1}{2}$ miles northwest	do.	--	--	73	8	1.2
75	9 $\frac{1}{4}$ miles northwest	do.	--	--	85	5 $\frac{1}{2}$	.8
d/ 76	7 $\frac{3}{4}$ miles northwest	do.	-- Smith	--	63	5- 3/8	1.2
d/ 77	7 miles northwest	Pete Allerd	Pete Allerd	--	45	48	.0
d/ 78	5 $\frac{3}{4}$ miles northwest	J. C. Reed	--	Old	58	5 $\frac{1}{2}$	.0
d/ 79	5 $\frac{1}{2}$ miles northwest	do.	C. Smith	1939	100	5 $\frac{1}{2}$	.6
80	do.	do.	--	1898	104	5 $\frac{1}{2}$	.3
81	5 $\frac{1}{4}$ miles northwest	do.	C. Smith	1908	36	5 $\frac{1}{2}$	1.0
d/ 83	4 $\frac{1}{2}$ miles northwest	do.	--	1900	90	5 $\frac{1}{2}$	.3
84	4 miles northwest	do.	--	1900	104	5 $\frac{1}{2}$	1.0
85	3 $\frac{1}{2}$ miles northwest	do.	C. Smith	1939	122	5 $\frac{1}{2}$	1.0
d/ 86	3 $\frac{3}{4}$ miles northwest	J. T. Davis	--	--	70	5 $\frac{1}{2}$	2.0
d/ 87	2 $\frac{1}{2}$ miles northwest	do.	--	--	102	5 $\frac{1}{2}$	.0

Well No.	Water level		Method of lift b/	Use of water c/	Remarks
	Below measuring point (ft.) a/	Date of measurement			
60	50.15	June 20, 1941	C,W	S	
62	89.65	June 30, 1941	C,W	S	
63	59.30	do.	C,W	S	
64	105.90	June 21, 1941	C,W	S	
65	98.50	do.	C,W	S	
66	98.60	May 14, 1932	C,W	S	Cased to 60 feet.
67	68.47	do.	C,W	S	
68	e/ 32	--	C,W	D,S	Cased to 20 feet.
69	73.10	Apr. 25, 1941	C,W	D,S	
70	e/ 70	--	C,W	S	No casing.
71	58.16	May 14, 1941	C,W	S	Cased to bottom.
72	44.10	June 30, 1941	C,W	S	
73	83.20	do.	C,W	S	
74	50.50	do.	C,W	S	
75	74.10	do.	C,W	S	Obstructed at 85 feet.
76	51.10	do.	C,W	S	
77	24.85	June 20, 1941	Cf,G, --	Irr	Dug well. Irrigates 20 acres.
78	45.70	June 10, 1941	C,W	S	
79	54.80	June 20, 1941	C,W	S	
80	73.00	do.	C,W	D,S	Cased to bottom.
81	29.40	do.	C,W	S	
83	74.25	do.	C,W	S	
84	94.42	do.	C,W	S	
85	106.75	do.	C,W	S	
86	61.20	May 22, 1941	C,W	S	Cased to 20 feet.
87	80.60	do.	C,W	S	

Records of wells and springs in Sterling County--Continued

Well No.	Distance from Sterling City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
88	2 $\frac{1}{2}$ miles northwest	J. C. Reed	--	1890	48	5 $\frac{1}{8}$	1.2
89	2 miles northwest	do.	C. Smith	1930?	67	5 $\frac{1}{8}$	1.4
90	1 $\frac{3}{4}$ miles northwest	Mrs. C. A. Bell	--	1900	66	5 $\frac{1}{8}$	.2
d/ 91	1 mile northwest	J. T. Davis	--	--	76	5 $\frac{1}{2}$	.6
93	$\frac{3}{4}$ mile northwest	do.	--	Old	--	5 $\frac{1}{8}$	2.0
d/ 94	1 $\frac{1}{2}$ miles north	do.	--	--	72	5 $\frac{1}{2}$	0.6
95	1 mile northeast	J. T. Davis, et al.	The California Co.	1926	3,500	--	--
d/ 97	2 miles east	J. T. Davis	--	--	104	5 $\frac{1}{2}$	0.5
d/ 99	2 $\frac{1}{2}$ miles southeast	do.	--	--	82	--	1.5
d/100	3 miles southeast	W. L. Foster, Jr.	--	--	94	5 $\frac{1}{2}$	0.5
110	3 $\frac{1}{4}$ miles northeast	J. T. Davis	--	--	--	6	.0
d/111	4 $\frac{1}{2}$ miles northeast	do.	--	--	66	6	2.0
d/112	3 $\frac{1}{2}$ miles northeast	do.	--	--	111	5 $\frac{1}{2}$	1.0
113	3 miles northeast	do.	--	--	81	5 $\frac{1}{2}$	.4
d/114	do.	do.	--	--	100	5 $\frac{1}{2}$	.5
115	4 miles northeast	do.	--	--	88	5 $\frac{1}{2}$	1.0
d/116	4 $\frac{1}{2}$ miles northeast	do.	--	--	85	5 $\frac{1}{2}$	.8
d/117	do.	do.	--	Old	90	--	1.0
118	4 $\frac{3}{4}$ miles northeast	do.	--	--	200	--	--
d/119	5 $\frac{3}{4}$ miles northeast	do.	--	--	70	5 $\frac{1}{2}$	.0
d/120	6 miles northeast	do.	--	--	142	5 $\frac{1}{2}$	.2
d/121	7 $\frac{1}{2}$ miles northeast	Prebble Durham	--	Old	240	6	.3
122	8 $\frac{1}{2}$ miles northeast	E. D. Welch	--	1925	240	--	.4
123	do.	J. J. Dennis	--	Old	110	6	.7
d/124	do.	H. G. Garlington	--	1940	232	5 $\frac{1}{2}$	.3
d/125	9 $\frac{1}{2}$ miles northeast	Mrs. W. G. Welch	--	1925	242	5 $\frac{1}{2}$	.5

Well No.	Water level		Method of lift b/	Use of water c/	Remarks
	Below measuring point (ft.) a/	Date of measurement			
88	42.10	June 20, 1941	C,W	S	
89	51.60	do.	C,W	S	
90	48.20	do.	C,W,E, 1/3	D,S	
91	50.85	May 22, 1941	C,W	S	
93	e/ 50	--	C,W	S	Measured yield about 6 gallons a minute.
94	55.00	May 23, 1941	C,W	S	
95	--	--	--	--	Oil test. See log.
97	89.20	May 23, 1941	C,W	S	
99	64.90	do.	C,W	S	
100	76.90	June 18, 1941	C,W,E, $\frac{1}{8}$	D,S	
110	89.10	May 23, 1941	C,W	D,S	
111	55.10	do.	C,W	S	
112	91.40	do.	C,W	S	
113	63.90	do.	C,W	D,S	
114	86.60	do.	C,W	S	
115	9.20	May 22, 1941	C,W	S	
116	53.75	do.	C,W	S	
117	76.00	May 23, 1941	C,W	S	No casing.
118	--	--	--	--	Reported yield 10 gallons a minute in 24-hour test. See log.
119	52.70	May 23, 1941	C,W	S	
120	115.80	do.	C,W	S	
121	e/210	--	C,W	D,S	No casing.
122	142.20	June 13, 1941	C,W	D,S	Do.
123	e/ 80	--	C,W	S	Do.
124	214.15	June 12, 1941	C,W	S	
125	211.00	June 13, 1941	C,W	D,S	

Records of wells and springs in Sterling County--Continued

Well No.	Distance from Sterling City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
d/126	9 $\frac{1}{4}$ miles northeast	J. R. Welch	C. Smith	1935	219	8	.4
127	9 $\frac{3}{4}$ miles northeast	do.	do.	1935	132	8	0
128	do.	Neal Nunn	-- O'Conner	1913?	232	5 $\frac{1}{2}$	.2
d/129	11 $\frac{1}{2}$ miles northeast	W. R. Davis	M. W. Smith	1938	281	6	.6
130	11 $\frac{1}{2}$ miles northeast	do.	--	--	Spring	--	--
131	11 $\frac{1}{2}$ miles northeast	do.	--	--	Spring	--	--
132	do.	do.	--	--	Spring	--	--
d/134	11 $\frac{1}{2}$ miles northeast	C. R. Knight	--	--	35	6	.2
d/136	13 $\frac{1}{4}$ miles northeast	-- Johnson	--	Old	16	4	1.5
139	12 $\frac{3}{4}$ miles northeast	Lon E. Johnson	--	--	27	6	1.0
141	13 miles northeast	do.	--	--	Spring	--	--
d/142	11 $\frac{1}{4}$ miles northeast	L. R. Knight	--	--	Spring	--	--
143	10 miles northeast	Neal Nunn	C. Smith	1939	102	5 $\frac{1}{2}$	0
144	9 $\frac{1}{2}$ miles northeast	Riley J. Welch	--	--	Spring	--	--
145	8 $\frac{3}{4}$ miles northeast	Neal Nunn	-- O'Conner	1915	220	--	.4
146	7 $\frac{1}{2}$ miles northeast	L. McCarty	--	1935	--	12	1.9
d/147	7 $\frac{3}{4}$ miles northeast	Boyd Jacoby	-- Sparkman	1938	230	5 $\frac{1}{2}$	.3
d/148	8 $\frac{1}{2}$ miles northeast	H. G. Garlington	--	1940	261	6	.2
d/149	9 miles northeast	M. M. Barrett Est.	--	--	219	--	.3
d/150	9 $\frac{3}{4}$ miles northeast	Riley J. Welch	--	1905	224	5 $\frac{1}{2}$	.3
151	10 miles northeast	Lon E. Johnson	--	Old	200	--	.8
d/152	9 miles northeast	C. J. Copeland	--	--	212	5 $\frac{1}{2}$	1.5
153	9 $\frac{3}{4}$ miles northeast	R. T. Lee	--	1923	210	6	.8
154	10 $\frac{1}{2}$ miles northeast	J. L. Copeland	B. Mondell	1938	219	6	1.2
155	10 miles northeast	J. H. McCabe	C. Smith	1928	231	6	1.0
d/156	6 $\frac{1}{2}$ miles northeast	C. J. Copeland	--	1939	89	5 $\frac{1}{2}$	1.2

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) a/	Date of measurement			
126	192.40	June 13, 1941	C,W	D,S	No casing. Measured yield 3 gallons a minute.
127	e/102	--	C,W	S	Cased to 8 feet. Reported yield 15 gallons a minute.
128	215.50*	June 12, 1941	C,W	S	
129	253.76	June 13, 1941	C,W	D,S	Cased to 106 feet.
130	+	--	Flows	S	In wall of canyon. Estimated yield 25 gallons a minute. Supplies several hundred sheep.
131	+	--	Flows	S	In bottom of canyon. Estimated yield 1 gallon a minute.
132	+	--	Flows	S	In wall of canyon. Estimated yield 1 to 5 gallons a minute. Supplies 300 to 500 sheep.
134	18.70	June 11, 1941	C,W	D,S	
136	10.75	May 29, 1941	C,W	D,S	Dug well.
139	15.00	do.	--	N	Cased to bottom. Reported to go dry in summer.
141	+	--	Flows	S	In wall of canyon. Reported yield 25 gallons a minute. Supplies 1,200 sheep.
142	+	--	Flows	S	In bank of creek. Measured yield 93 gallons a minute.
143	e/ 60	1940	C,W	S	Cased to bottom. Reported yield 8 gallons a minute.
144	+	--	Flows	S	Reported yield 3 gallons a minute.
145	185.50	June 12, 1941	C,W	D,S	No casing.
146	194.75	do.	C,W	S	
147	199.15	do.	C,W	D,S	Cased to 20 feet.
148	212.02	do.	C,W	D,S	No casing.
149	208.90	June 11, 1941	C,W	D,S	Do.
150	204.30	June 12, 1941	C,W	D,S	
151	e/185	--	C,W	S	No casing.
152	199.70	June 11, 1941	C,W	D,S	
153	190.05	June 13, 1941	C,W	D,S	No casing.
154	203.45	do.	C,W	D,S	Do.
155	200.15	do.	C,W	D,S	Do.
156	76.57	Apr. 1, 1941	C,W	S	

Records of wells and springs in Sterling County--Continued

Well No.	Distance from Sterling City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
d/157	6 $\frac{1}{4}$ miles northeast	S. M. King	--	1930	91	5 $\frac{1}{2}$	1.3
158	do.	do.	--	--	90	--	0
159	6 $\frac{3}{4}$ miles east	Claud Collins	C. J. Wrightsman	1926	3,013	--	--
160	6 miles southeast	S. M. King	--	--	85	5 $\frac{1}{2}$	.4
161	5 $\frac{1}{2}$ miles southeast	do.	--	1905	80	6	2.3
162	7 miles southeast	R. M. Woods	Verdon & Sullivan	1905	90	5 $\frac{1}{2}$	0
d/163	8 miles southeast	J. P. Gressett	--	1902	100	5 $\frac{1}{2}$	.3
164	do.	do.	--	1928?	--	5 $\frac{1}{2}$	0
d/166	do.	R. M. Woods	--	1900?	110	6	1.4
167	8 $\frac{1}{2}$ miles southeast	W. L. Foster, Jr.	--	Old	85	5 $\frac{1}{2}$	0
168	8 miles southeast	Tom Humble	C. Smith	1939	64	5 $\frac{1}{2}$	1.2
d/169	10 miles southeast	Lee and Stringer	--	--	110	6	.3
170	10 $\frac{1}{4}$ miles southeast	do.	--	--	100	6	.5
171	10 $\frac{1}{2}$ miles southeast	J. P. Gressett	--	1925	104	5 $\frac{1}{2}$	1.0
d/172	10 $\frac{1}{4}$ miles southeast	do.	C. Smith	1935	99	5 $\frac{1}{2}$	1.0
174	11 $\frac{1}{2}$ miles southeast	C. A. Broome	--	1938	42	10	.8
175	10 $\frac{1}{2}$ miles southeast	do.	--	1930	75	5 $\frac{1}{2}$	0
d/176	10 $\frac{3}{4}$ miles southeast	do.	--	--	51	5 $\frac{1}{2}$	1.3
178	11 $\frac{1}{2}$ miles southeast	do.	--	1936	37	10	3.0
180	9 $\frac{1}{2}$ miles southeast	do.	The Exploration Company of Texas	1926	3,202	--	--
184	5 $\frac{1}{2}$ miles southeast	T. E. Satterwhite	T. E. Satterwhite	1936	36	48	2.0
d/185	do.	do.	do.	1938	51	5 $\frac{1}{2}$	.5
d/187	4 miles southeast	W. L. Foster	--	--	61	5 $\frac{1}{2}$	.5
d/195	3 miles southeast	Montvale Cemetery	C. Smith	1938	82	5 $\frac{1}{2}$	.5
206	8 $\frac{1}{4}$ mile south	Sterling Cemetery	do.	1938	137	5 $\frac{1}{2}$	.6
222	6 miles south	Robert Foster	do.	Old	94	5 $\frac{1}{2}$	1.0

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) a/	Date of measurement			
157	81.59	Apr. 1, 1941	C,W	S	
158	e/ 80	--	C,W	D,S	
159	--	--	--	--	Oil test. See log.
160	73.29	Apr. 1, 1941	C,W	S	Cased to 20 feet.
161	70.31	do.	C,W	S	Cased to bottom.
162	e/ 60	--	C,W	S	
163	83.58	Apr. 1, 1941	C,W	S	Cased to bottom.
164	e/ 85	--	C,W	S	
166	83.15	Apr. 1, 1941	C,W	D,S	Cased to bottom.
167	e/ 50	--	C,W	D,S	
168	44.66	Apr. 1, 1941	C,W	S	
169	87.48	Mar. 31, 1941	C,W	S	No casing.
170	83.73	do.	C,W	D,S	Cased to 10 feet.
171	77.31	do.	C,W	P	
172	72.46	do.	C,W	D,P	Cased to 20 feet.
174	17.11	do.	C,G, $\frac{1}{2}$	S	
175	e/ 45	--	C,W	S	
176	38.66	Mar. 31, 1941	C,W	D,S	
178	21.08	do.	T,E, $7\frac{1}{2}$	Irr	Dug well. Irrigates 20 acres.
180	--	--	--	--	Oil test. See log.
184	22.89	Mar. 31, 1941	-,G, --	Irr	Dug well. Reported drawdown of 15 feet after pumping 400 gallons a minute for 1 hour. Irrigates 20 acres.
185	30.49	do.	C,W	D,S	
187	41.50	June 9, 1941	C,H	D	
195	62.00	June 18, 1941	C,W	P,Irr	
206	80.50	do.	C,W	Irr	
222	--	Apr. 3, 1941	C,W	D,S	

Records of wells and springs in Sterling County--Continued

Well No.	Distance from Sterling City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
223	7 miles south	Mrs. Nora Coulson	--	--	126	5½	0.5
224	6 miles southwest	R. T. Foster	--	--	72	--	.5
225	5 miles southwest	do.	--	--	Spring	--	--
227	4½ miles southwest	Mrs. J. F. Thompson	--	Old	62	6	.4
d/228	5¼ miles southwest	Foster Cemetery	C. Smith	1935	62	5½	.4
229	5½ miles southwest	R. T. Foster	do.	1935	64	5½	.5
230	5¾ miles southwest	do.	--	Old	52	5½	.4
d/232	6¼ miles southwest	do.	C. Smith	1925	86	5½	.3
233	5¾ miles southwest	do.	--	1918?	72	5½	.2
234	4½ miles southwest	do.	--	1923?	108	5½	.3
d/235	4¾ miles southwest	do.	C. Smith	1940	120	5	.5
d/236	5½ miles southwest	W. L. Foster	--	--	120	5½	.0
237	5 miles southwest	A. D. Myer	--	1905	71	5½	1.0
d/238	4¼ miles west	do.	--	1903	85	6	-1.0
d/241	3¼ miles southwest	Lee Hunt	-- Mathis	1908	82	5½	1.0
242	do.	D. C. Durham	C. Smith	1935	70	5½	1.0
d/243	2¼ miles southwest	do.	--	--	110	5½	.5
244	1¾ miles southwest	do.	--	--	80	5½	.6
245	do.	Fisher Bros.	Wm. Little, et al.	1927	1,485	--	--
247	1¾ miles west	Jeff Davis	--	Old	72	5½	.2
248	2 miles west	W. W. Durham	--	1900	61	5½	.2
d/249	do.	A. E. Blue	--	1931?	46	5½	.0
250	do.	do.	--	1931?	48	5½	1.0
d/251	2¼ miles west	H. K. Ray	--	Old	38	--	.2
d/252	2½ miles west	W. W. Durham	--	--	34	5½	1.0
253	3 miles west	W. Y. Benge	--	1923?	44	4	2.0

Well No.	Water level		Method of lift b/	Use of water c/	Remarks
	Below measuring point (ft.) a/	Date of measurement			
223	110.04	Apr. 3, 1941	C,W	S	
224	55.12	do.	C,W	S	No casing.
225 +	--	--	Flows	S	In bed of creek. Reported yield 300 gallons a minute.
227	40.60	May 19, 1941	C,W	S	Cased to 40 feet.
228	44.4	May 20, 1941	C,W	P,Irr	
229	42.20	do.	C,W	S	Cased to 60 feet.
230	44.25	do.	C,W	D,S	
232	71.50	do.	C,W	S	Cased to 80 feet.
233	60.90	do.	C,W	S	
234	92.00	do.	C,W	D,S	
235	102.00	do.	C,W	S	
236	105.49	Apr. 10, 1941	C,W	S	
237	69.05	do.	C,W	S	No casing.
238	52.70	do.	C,W	D,S	Do.
241	62.22	do.	C,W	D,S	
242	58.08	Apr. 2, 1941	C,W	S	
243	92.35	do.	C,W	S	
244	51.46	do.	C,W	S	
245	--	--	--	--	Oil test. See log.
247	55.30	June 20, 1941	C,W	D,S	
248	44.35	do.	C,W	D,S	
249	32.36	Apr. 10, 1941	C,W	D,S	
250	31.43	do.	C,G, 1 $\frac{1}{2}$	Irr	
251	27.27	do.	C,W	D,S	No casing.
252	24.52	do.	C,H	D	
253	34.88	Apr. 9, 1941	C,W	D,S	

Records of wells and springs in Sterling County--Continued

Well No.	Distance from Sterling City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
254	3½ miles northwest	J. C. Reed	--	1930	84	5½	1.0
257	6 miles northwest	N. H. Reed	N. H. Reed	1937	35	5½	1.0
d/258	do.	do.	--	Old	44	8	.4
d/260	6¾ miles northwest	John C. Reed	--	--	46	5½	.5
261	7 miles northwest	G. H. McEntire	--	Old	45	6	.8
d/262	do.	do.	--	Old	60	5½	.0
d/264	8½ miles northwest	do.	--	--	53	4	2.0
d/265	9¼ miles northwest	do.	--	--	51	6	.7
266	do.	do.	--	--	Spring	--	--
d/267	10¾ miles northwest	do.	--	--	121	6	1.3
268	13 miles west	C. C. Reynolds	C. Smith	1930	125	5½	0
269	13½ miles northwest	do.	--	1907?	185	5½	0
270	12½ miles northwest	do.	--	1900	85	5½	0
d/271	13 miles northwest	W. N. and L. R. Reed	--	1928?	90	5½	.5
d/272	12 miles northwest	G. H. McEntire	--	Old	44	6	2.8
d/273	12¾ miles northwest	do.	C. Smith	1937	50	6	1.0
d/274	13¾ miles northwest	W. N. and L. R. Reed	--	1920	105	6	2.2
d/275	15 miles northwest	do.	--	Old	120	6	2.0
d/277	17¼ miles northwest	do.	--	Old	90	5½	.6
279	17½ miles northwest	R. L. and R. R. Stansberry	Darby Petroleum Co.	1935	3,142	--	--
d/280	16 miles northwest	W. N. and L. R. Reed	--	Old	113	5½	2.6
d/281	17 miles northwest	M. Rumsey	--	1930?	100	5½	1.0
d/282	16½ miles northwest	W. N. and L. R. Reed	--	1930	133	5½	.5
283	15¾ miles northwest	W. L. Foster, Jr.	--	--	105	5½	0
284	15½ miles west	F. S. Price	--	Old	212	6	0

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
254	69.50	June 20, 1941	C,W	S	
257	25.90	June 10, 1941	C,G, l	D,S	
258	25.20	do.	C,W	D,S	
260	22.85	do.	C,W	D,S	
261	27.50	do.	None	N	No casing.
262	25.00	June 30, 1941	C,W	D,S	
264	--	do.	C,W	S	
265	45.05	do.	C,W	D,S	
266	+	--	Flows	S	In bed of river. Measured yield 150 gallons a minute.
267	94.60	June 30, 1941	C,W	S	
268	e/108	--	C,W	S	Cased to 40 ⁺ feet.
269	e/120	--	C,W	S	Cased to 80 feet.
270	e/ 60	--	C,W	S	
271	78.80	Apr. 30, 1941	C,W	S	
272	33.80	do.	C,W	S	
273	e/ 37	1937	C,W	S	Cased to bottom.
	42.62	Apr. 18, 1941			
274	71.05	Apr. 30, 1941	C,W	S	
275	80.00	do.	C,W	S	No casing.
277	73.78	do.	C,W	S	Cased to 40 feet.
279	--	--	--	--	Oil test. See log.
280	95.40	Apr. 30, 1941	C,W	S	Cased to 40 feet.
281	88.40	do.	C,W	S	
282	111.50	do.	C,W	S	
283	e/ 90	--	C,W	S	
284	e/175	--	C,W	S	No casing.

Records of wells and springs in Sterling County--Continued

Well No.	Distance from Sterling City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
285	14 $\frac{1}{2}$ miles west	F. S. Price	--	--	189	6	0
286	14 $\frac{1}{4}$ miles west	do.	--	1930	175	5 $\frac{1}{2}$	.3
d/287	13 $\frac{1}{2}$ miles west	do.	--	Old	125	5 $\frac{1}{2}$	.4
d/288	12 $\frac{1}{4}$ miles west	do.	C. Smith	1940	101	5 $\frac{1}{2}$	.5
289	12 miles west	do.	do.	1930	79	5 $\frac{1}{2}$	.5
290	do.	C. C. Reynolds	--	Old	94	6	0
291	11 miles west	do.	--	1911?	120	5 $\frac{1}{2}$	0
292	do.	do.	--	1910?	120	5 $\frac{1}{2}$	0
293	9 $\frac{3}{4}$ miles west	do.	--	1940	132	6	--
295	10 $\frac{3}{4}$ miles west	do.	Adkinson and Pettit	1925	3,002	--	--
d/296	11 miles west	do.	--	1910?	110	5 $\frac{1}{2}$	1.0
d/298	10 $\frac{1}{2}$ miles west	H. Bade	--	1907	90	5 $\frac{1}{8}$	.2
299	do.	do.	--	Old	40	5 $\frac{1}{2}$	.2
300	10 $\frac{1}{4}$ miles west	do.	--	1937	20	5 $\frac{1}{2}$	0
d/301	do.	do.	C. Smith	1939	138	5 $\frac{1}{2}$	.2
302	10 $\frac{3}{4}$ miles southwest	H. M. Mills	do.	1925	125	5 $\frac{1}{2}$	.5
d/303	11 miles southwest	do.	--	1922	110	5 $\frac{1}{2}$	.2
304	10 miles southwest	do.	--	1922	246	5 $\frac{1}{2}$	.5
d/305	11 $\frac{1}{4}$ miles southwest	do.	--	1936	212	8	1
d/306	11 miles west	H. Bade	--	1905	24	10	.0
307	do.	do.	H. Bade	1937	21	60?	2.0
308	11 $\frac{3}{4}$ miles west	J. L. Glass	--	Old	45	5 $\frac{1}{2}$	0
309	12 miles west	do.	--	Old	40	5 $\frac{1}{2}$	0
310	13 miles southwest	do.	--	Old	110	5 $\frac{1}{2}$	0
311	13 $\frac{1}{4}$ miles southwest	do.	C. Smith	Old	50	5	0
312	13 $\frac{3}{4}$ miles southwest	do.	do.	1930	60	5 $\frac{1}{2}$	0

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) a/	Date of measurement			
285	e/150	--	C,W	S	
286	125.75	Apr. 17, 1941	C,W	S	
287	106.85	do.	C,W	D,S	
288	72.00	do.	C,W	S	Cased to 40 feet.
289	56.14	do.	C,W	S	Do.
290	e/ 70	--	C,W	S	Cased to 20 feet.
291	e/ 95	--	C,W	S	Do.
292	e/ 95	--	C,W	S	Cased to 40 feet.
293	--	--	--	--	Dry hole.
295	--	--	--	--	Oil test. See log.
296	85.15	Apr. 14, 1941	C,W	D,S	Cased to 40 feet.
298	51.89	Apr. 18, 1941	C,W	D,S	Do.
299	31.23	do.	C,W	S	Cased to bottom.
300	e/ 11	--	C,W	S	
301	69.51	Apr. 18, 1941	C,W	S	
302	103.77	do.	C,W	D,S	Cased to bottom.
303	95.40	do.	C,W	S	
304	214.42	do.	C,W	S	Cased to bottom.
305	195.89	do.	C,W	S	
306	15.56	do.	C,W	S	
307	16.46	do.	Cf	Irr	Dug well.
308	e/ 21	--	C,W	S	
309	e/ 20	--	C,W	S	
310	e/ 85	--	C,W	S	
311	e/ 30	--	C,W	S	Cased to 10 feet.
312	e/ 29	--	C,W	S	

Records of wells and springs in Sterling County--Continued

Well No.	Distance from Sterling City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
d/313	16 $\frac{1}{4}$ miles west	J. L. Glass	C. Smith	--	100	5 $\frac{1}{2}$	1.0
315	15 $\frac{1}{4}$ miles southwest	do.	do.	1930	50	6	.6
d/316	15 $\frac{1}{2}$ miles southwest	do.	do.	1939	124	6	1.0
317	14 $\frac{1}{2}$ miles southwest	do.	--	Old	125	5 $\frac{1}{2}$	0
318	15 $\frac{1}{2}$ miles southwest	do.	C. Smith	1941	126	6	.0
d/319	16 miles southwest	do.	do.	1905?	216	5	.8
d/320	20 $\frac{1}{2}$ miles southwest	J. I. Cope	do.	1905	250	--	.3
d/321	19 $\frac{1}{2}$ miles southwest	do.	do.	1940	259	8	1
322	do.	S. A. Mohaffey	--	--	210	6	0
d/323	18 $\frac{1}{2}$ miles southwest	Mrs. G. R. Hull	--	--	180	6	1.2
324	17 $\frac{3}{4}$ miles southwest	Geo. R. Hull	C. J. Wrightsman	1925	3,501	--	--
325	16 $\frac{3}{4}$ miles southwest	Daisy Barbee	--	--	150	8	.5
326	15 $\frac{1}{2}$ miles southwest	do.	C. Smith	1940	122	5 $\frac{1}{2}$	.4
327	15 miles southwest	do.	do.	1935	69	5 $\frac{1}{2}$	0
d/328	14 miles southwest	Mrs. Sallie Fox	--	1918?	124	6	.5
329	13 $\frac{1}{2}$ miles southwest	V. E. Brownfield	--	--	70	5 $\frac{1}{2}$	0
330	12 $\frac{3}{4}$ miles southwest	R. A. Hornbeck	--	Old	60	5 $\frac{1}{2}$	0
331	12 miles southwest	M. J. Askey	C. Smith	Old	115	6	0
332	do.	do.	do.	1935	140	6	.5
333	12 $\frac{1}{4}$ miles southwest	V. E. Brownfield	--	1925?	60	5 $\frac{1}{2}$	0
334	10 $\frac{3}{4}$ miles southwest	Mrs. A. C. Carper	--	1919	160	--	.4
335	10 $\frac{1}{2}$ miles southwest	Mrs. Erie Conger	--	--	54	5 $\frac{1}{2}$	.8
336	10 $\frac{1}{4}$ miles southwest	T. F. Foster	C. Smith	--	65	6	0
337	9 $\frac{1}{2}$ miles southwest	do.	do.	1939	50	6	0
d/338	9 $\frac{1}{4}$ miles southwest	do.	do.	1919	77	--	.0
339	9 miles southwest	Rufus Foster	W. F. W. Oil Co.	1938	2,447	--	--

Well No.	Water level		Method of lift b/	Use of water c/	Remarks
	Below measuring point (ft.) a/	Date of measurement			
313	49.54	Apr. 17, 1941	C,W	S	Cased to 20 feet.
315	29.86	do.	C,W	D,S	Do.
316	103.85	do.	C,W	S	Cased to 10 feet.
317	e/100	--	C,W	S	
318	87.61	Apr. 17, 1941	C,W	--	No casing.
319	177.02	do.	C,W	S	
320	160.57	Apr. 4, 1941	C,W	D,S	No casing.
321	e/ 78	--	C,W	S	Cased to 40 feet.
322	e/ 70	--	C,W	S	No casing.
323	134.45	Apr. 4, 1941	C,W	S	Cased to 40 feet.
324	--	--	--	--	Oil test. See log.
325	74.10	Apr. 4, 1941	C,W	S	Cased to 20 feet.
326	75.14	Apr. 3, 1941	C,W	D,S	
327	e/ 50	--	C,W	S	Cased to bottom.
328	98.65	Apr. 3, 1941	C,W	D,S, Irr	Irrigates small garden.
329	e/ 40	--	C,W	S	Cased to 20 feet.
330	e/ 45	--	C,W	S	
331	e/ 85	--	C,W	S	
332	118.95	Apr. 3, 1941	C,W	D,S, Irr	Irrigates garden.
333	e/ 45	--	C,W	S	
334	73.37	Apr. 3, 1941	C,W	D,S	No casing.
335	41.20	Apr. 4, 1941	C,W	S	
336	e/ 28	--	C,W	S	No casing.
337	e/ 22	--	C,W	S	Do.
338	33.16	Apr. 3, 1941	C,W	D,S	Do.
339	--	--	--	--	Oil test. See log.

Records of wells and springs in Sterling County--Continued

Well No.	Distance from Sterling City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
341	8 $\frac{1}{4}$ miles southwest	Rufus W. Foster	--	Old	59	5 $\frac{1}{2}$	1.5
d/342	8 $\frac{1}{2}$ miles southwest	do.	--	1935	60	6	0
343	8 $\frac{1}{4}$ miles southwest	do.	--	--	50	6	2.0
344	7 miles southwest	Nora Coulson	--	--	132	5 $\frac{1}{2}$	.2
d/345	8 $\frac{1}{2}$ miles southwest	Rufus W. Foster	C. Smith	1940	164	5 $\frac{1}{2}$	.5
346	10 $\frac{1}{2}$ miles southwest	T. F. Foster	--	--	175	5 $\frac{1}{2}$	0
347	10 $\frac{1}{4}$ miles southwest	M. F. Foster	--	--	--	5 $\frac{1}{2}$	1.0
348	11 $\frac{1}{2}$ miles southwest	Geo. Case	--	--	150	6	.5
349	12 $\frac{1}{2}$ miles southwest	Ethel Foster	--	--	90	5 $\frac{1}{2}$	0
350	13 $\frac{1}{2}$ miles southwest	do.	--	1925	90	5 $\frac{1}{2}$	0
351	14 $\frac{1}{2}$ miles southwest	L. F. Hodges	C. Smith	--	90	5 $\frac{1}{2}$	0
352	15 $\frac{3}{4}$ miles southwest	Ethel Foster	--	--	150	5 $\frac{1}{2}$	0
353	17 $\frac{1}{2}$ miles southwest	P. H. Jackson	--	1923?	38	5 $\frac{1}{2}$	.5
354	18 $\frac{1}{2}$ miles southwest	do.	--	Old	120	5 $\frac{1}{2}$	0
355	19 $\frac{1}{2}$ miles southwest	J. D. Suggs Est.	--	Old	123	5 $\frac{1}{2}$	.3
356	19 $\frac{1}{2}$ miles southwest	P. H. Jackson	--	1925	98	5 $\frac{1}{2}$	.4
357	18 $\frac{1}{4}$ miles southwest	do.	--	1923?	125	5 $\frac{1}{2}$	1.0
358	18 miles southwest	do.	--	1923?	100	5 $\frac{1}{2}$	0
359	20 $\frac{1}{4}$ miles southwest	do.	--	1923?	123	5 $\frac{1}{2}$	.5
360	19 $\frac{1}{2}$ miles southwest	A. A. McGill	-- Cleveland	1940	198	5 $\frac{1}{2}$	2.5
361	18 $\frac{1}{2}$ miles southwest	do.	--	1923?	200	5 $\frac{1}{2}$	0
362	17 $\frac{1}{2}$ miles southwest	do.	--	Old	150	5 $\frac{1}{2}$	0
363	16 $\frac{3}{4}$ miles southwest	do.	-- Cleveland	1940	162	5 $\frac{1}{2}$	1.7
d/364	14 miles southwest	L. F. Hodges	--	Old	75	5 $\frac{1}{2}$	.7
365	12 $\frac{1}{2}$ miles south	do.	C. Smith	--	100	5 $\frac{1}{2}$	0
366	11 $\frac{1}{4}$ miles south	do.	do.	--	130	5 $\frac{1}{2}$	0

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
341	27.50	Apr. 2, 1941	--	N	
342	<u>e/</u> 27	--	C,W	D,S	
343	24.19	Apr. 2, 1941	C,W	S	
344	112.20	do.	C,W	S	Cased to bottom.
345	84.90	do.	C,W	S	
346	<u>e/</u> 90	--	C,W	S	
347	146.40	Apr. 2, 1941	C,W	S	
348	93.27	do.	C,W	D,S	
349	<u>e/</u> 75	--	C,W	S	
350	<u>e/</u> 75	--	C,W	D,S	Cased to 20 feet.
351	<u>e/</u> 75	--	C,W	S	
352	<u>e/</u> 90	Apr. 1, 1941	C,W	S	
353	14.20	May 26, 1941	C,W	S	Cased to bottom.
354	<u>e/</u> 100	--	C,W	S	
355	102.55	May 26, 1941	C,W	S	
356	51.80	do.	C,W	S	
357	93.15	do.	C,W	D,S	
358	<u>e/</u> 60	--	C,W	S	
359	76.30	Apr. 26, 1941	C,W	S	Cased to 40 feet.
360	156.33	do.	C,W	S	Cased to 60 feet.
361	<u>e/</u> 150	--	C,W	S	Cased to 40 feet.
362	<u>e/</u> 110	--	C,W	S	
363	116.66	Apr. 26, 1941	C,W	S	
364	65.90	Apr. 2, 1941	C,W	D,S	
365	<u>e/</u> 75	--	C,W	S	
366	<u>e/</u> 85	--	C,W	S	

Records of wells and springs in Sterling County--Continued

Well No.	Distance from Sterling City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
367	12 miles south	L. C. Clark	--	1918	90	5½	0
368	8½ miles southeast	do.	-- Holt	1940	100	5½	0
369	9¼ miles southeast	do.	--	Old	160	6	0
370	12 miles southeast	do.	--	1916?	90	5½	0
372	12½ miles southeast	do.	--	1915?	85	6	0
374	13¼ miles southeast	do.	--	1915?	70	5½	0
380	13½ miles southeast	Harris Ranch	--	1905?	79	5½	.8
d/381	14¾ miles southeast	do.	--	1929?	80	6	.3
382	15½ miles southeast	R. H. Harris	Snowden & McSweeney Co.	1937	1,865	--	--
d/383	15 miles southeast	Harris Ranch	--	1930	85	6	1.0
d/384	15 miles south	do.	--	1918?	90	6	1.0
385	do.	do.	-- Smith	1940	215	6	0
386	16¾ miles south	do.	C. Smith	1940	235	5½	.5
387	18¼ miles south	do.	--	Old	100	5½	0
388	19 miles south	do.	--	Old	80	5½	0
389	do.	do.	C. Smith	1940	80	6	0
390	do.	do.	--	Old	90	5½	0
391	18¾ miles south	do.	--	Old	67	5½	1.0
d/392	17 miles south	do.	--	Old	102	5½	.5
393	do.	do.	--	Old	100	5½	0
d/394	17½ miles southeast	Harris Est.	--	Old	151	10	1.0
395	19 miles southeast	do.	--	1935	101	5½	1.0
396	16¼ miles north	Will Ellwood	Tucker-Gruben	1929	728	--	--

Well No.	Water level		Method of lift b/	Use of water c/	Remarks
	Below measuring point (ft.) a/	Date of measurement			
367	e/ 45	--	C,W	S	
368	e/ 50	--	C,W	S	
369	e/148	--	C,W	S	No casing.
370	e/ 45	--	C,W	S	
372	e/ 40	--	C,W	S	No casing.
374	e/ 23	--	C,W	S	
380	59.25	July 8, 1941	C,W	S	
381	39.65	do.	C,W	S	Cased to 20 feet.
382	--	--	--	--	Oil test. See log.
383	36.90	July 8, 1941	C,W	S	
384	38.20	do.	C,W	S	
385	e/145	1940	C,W	S	Cased to 20 feet.
386	169.60	July 8, 1941	C,W	S	Cased to 60 feet.
387	e/ 40	--	C,W	S	Cased to 20 feet.
388	e/ 28	--	C,W	S	
389	e/ 27	1940	C,W	S	
390	e/ 35	--	C,W	S	
391	15.00	July 8, 1941	C,W	S	
392	73.80	do.	C,W	S	
393	e/ 36	--	C,W	S	
394	124.30	July 8, 1941	C,W	D,S	Cased to 20 feet.
395	74.20	do.	C,W	S	
396	--	--	--	--	Oil test. See log.

Records of wells and springs in Sterling County--Continued

Well No.	Distance from Sterling City Courthouse	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
400	$\frac{1}{4}$ mile northwest	E. H. Fisher	--	Old	63	$5\frac{1}{2}$	.6
d/401	$\frac{5}{8}$ mile west	H. F. Merrell	-- Hafer	1910	42	--	.3
402	do.	A. Merrell	--	--	57	$5\frac{1}{2}$	1.2
d/403	$\frac{5}{8}$ mile northwest	Henry Davis	--	1900	55	$5\frac{1}{2}$	.7
404	do.	W. B. Atkinson	C. Smith	1930	60	$5\frac{1}{2}$	0
d/405	do.	C. T. Sharp	--	1928	64	$5\frac{1}{2}$	1.0
406	do.	Luther Halmak	--	Old	65	6	0
d/407	$\frac{1}{2}$ mile west	J. T. Davis	--	1900	60	$5\frac{1}{2}$	.4
d/410	$\frac{3}{8}$ mile west	W. R. Hudson	C. Smith	1941	50	$5\frac{1}{2}$	.3
d/411	do.	Leo. Mercer	--	1898?	60	$5\frac{1}{2}$	1.0
d/412	do.	Baptist Church	--	--	59	$5\frac{1}{2}$	.6
d/413	$\frac{3}{8}$ mile northwest	J. T. Davis	--	--	60	$5\frac{1}{2}$	.5
d/414	do.	R. A. Garrett	--	Old	70	--	.4
415	do.	Taylor Garrett	--	1930	60	--	0
d/416	do.	Tommy Humble	--	1929	61	$5\frac{1}{2}$	1.0
d/417	$\frac{1}{8}$ mile northwest	John Cole	--	--	66	$5\frac{1}{2}$	.4
d/418	do.	R. E. Cole	--	1928	60	$5\frac{1}{2}$	.5
d/419	do.	Mrs. Tillie Martin	--	Old	60	--	0
d/420	$\frac{3}{8}$ mile northwest	A. C. Pearson	--	1910?	65	$5\frac{1}{2}$	.4
d/421	do.	A. V. Braeuer	C. Smith	1921?	69	$5\frac{1}{2}$	.8
422	do.	Mrs. -- Bugg	--	1929	65	$5\frac{1}{2}$	0
d/423	do.	Lee Reed	C. Smith	1935	64	6	.8
d/424	do.	C. C. Reynolds	--	1910?	55	--	.0
d/425	do.	M. Black	Wilson Barton	1940	50	$5\frac{1}{2}$	.2
d/426	$\frac{1}{4}$ mile northwest	Z. L. Potts	--	1900	71	$5\frac{1}{2}$	.5
d/427	do.	John Reed	--	1919?	60	$5\frac{1}{2}$	.7

Well No.	Water level		Method of lift b/	Use of water c/	Remarks
	Below measuring point (ft.) a/	Date of measurement			
400	43.29	Mar. 3, 1941	C,W	D	
401	33.81	do.	C,W	D	No casing.
402	47.64	Mar. 24, 1941	C,W	D	
403	48.89	Mar. 3, 1941	C,W	D	Cased to 40 feet.
404	e/ 45	--	C,W	D	Cased to 20 feet.
405	49.66	Mar. 3, 1941	C,W	D	Cased to 15 feet.
406	e/ 48.00	--	C,W	D	Cased to 20 feet.
407	48.73	Mar. 3, 1941	C,W	D,S	Cased to 12 feet.
410	38.00	July 10, 1941	C,W	D	Cased to 40 feet.
411	43.25	do.	C,W	D,P	
412	47.86	May 6, 1941	C,W	D	
413	49.00	do.	C,W	D	Cased to 20 feet.
414	47.33	Mar. 24, 1941	C,W	D	No casing.
415	e/ 48	--	C,W	D,S	Do.
416	47.02	Mar. 24, 1941	C,W	D	
417	43.39	do.	C,W	D,S	Cased to bottom. Supplies 200 sheep.
418	49.78	do.	C,W	D	Cased to 20 feet.
419	e/ 42	--	C,W	D	No casing.
420	53.50	May 6, 1941	C,W	D	Cased to 20 feet.
421	50.00	do.	C,W	D	
422	e/ 45	--	C,W	D	
423	46.26	May 12, 1941	C,W	D	No casing.
424	45.24	May 6, 1941	C,W	D	Do.
425	46.44	Mar. 24, 1941	C,W	D,Irr	Cased to bottom.
426	45.76	May 6, 1941	C,W	D	Cased to 10 feet.
427	45.80	do.	C,W	D	

Records of wells and springs in Sterling County--Continued

Well No.	Distance from Sterling City Courthouse	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
d/428	$\frac{1}{4}$ mile northwest	L. F. Wallace	--	--	60	$5\frac{1}{2}$	.5
d/429	$\frac{3}{8}$ mile west	Green Williams	M. W. Smith	1910	50	$5\frac{1}{2}$	.3
d/430	do.	Joe Emery	--	1928	65	$5\frac{1}{2}$	.6
431	do.	Joe Walraven	--	Old	60	$5\frac{1}{2}$	.5
432	$\frac{1}{4}$ mile west	E. W. Rhoden	--	1898?	60	$5\frac{1}{2}$	1.3
d/433	do.	O. A. Blue	--	1908?	63	$5\frac{1}{2}$	.4
d/434	do.	Fay Cook	--	Old	61	$5\frac{1}{2}$	.1
d/435	$\frac{1}{4}$ mile southwest	Joe Elliott	--	1898?	72	--	.4
d/436	$\frac{1}{4}$ mile west	M. Williams	--	Old	63	$5\frac{1}{2}$	1.3
d/437	do.	Mrs. Rachael Crawford	--	1910	67	$5\frac{1}{2}$	.5
d/438	$\frac{1}{4}$ mile northwest	Church of Christ	--	1935	73	6	.6
d/439	do.	Presbyterian Church	--	--	60	$5\frac{1}{2}$	1
d/440	do.	Mrs. Neal Reed	--	1925	83	$5\frac{1}{2}$	.5
441	do.	Rufus W. Foster	--	1910	85	$5\frac{1}{2}$	0
d/442	do.	Mrs. J. B. Atkinson	C. Smith	1938	93	$5\frac{1}{2}$	.8
d/443	do.	Mrs. W. L. Emery	--	Old	61	$5\frac{1}{2}$	.0
d/444	do.	J. S. Cotton	W. Smith	1939	70	6	.8
d/445	do.	J. W. Phillips	--	1908?	56	6	.0
d/446	do.	Larkin Longshore	--	1930	59	6	.5
d/447	do.	Mrs. R. Lowe, Sr.	--	1928	60	$5\frac{1}{2}$	.6
448	do.	Mrs. Mina Phillips	--	--	61	$5\frac{1}{2}$	.5
d/449	do.	W. N. Reed	-- Whitmier	1928	85	$5\frac{1}{2}$	.5
450	$\frac{3}{8}$ mile northwest	Claude Collins	C. Smith	1928?	70	$5\frac{1}{2}$	2.0
d/451	do.	do.	do.	1930	70	$5\frac{1}{2}$	0
d/452	do.	J. S. Cole	do.	1930	60	$5\frac{1}{2}$	0
d/454	do.	H. Tweedle	H. Tweedle	1930	62	$5\frac{1}{2}$	.2

Well No.	Water level		Method of lift b/	Use of water c/	Remarks
	Below measuring point (ft.) a/	Date of measurement			
428	46.10	May 6, 1941	C,W	D	
429	45.65	July 11, 1941	C,W	D	
430	47.80	do.	C,W	D	
431	44.90	July 10, 1941	C,W	D	
432	44.85	do.	C,W	D	
433	46.15	July 11, 1941	C,W	D	
434	46.05	July 10, 1941	C,W	D	
435	45.35	do.	C,W	D	No casing.
436	45.65	do.	C,W	D	
437	45.10	July 11, 1941	C,W	D,Irr	
438	48.86	July 2, 1941	C,W	D	No casing.
439	e/ 46	--	C,W,E, 1	D	
440	46.70	May 6, 1941	C,W	D	Cased to 40 feet.
441	e/ 45	--	C,W,E, --	D	
442	48.80	July 2, 1941	C,W,E, 1	D,Irr	
443	46.10	do.	C,W	Irr	Irrigates yard and garden. Water reported unfit for domestic use.
444	48.50	July 1, 1941	C,W	D	No casing.
445	46.58	May 6, 1941	C,W	D	Do.
446	47.14	do.	C,W	Irr	No casing. Irrigates yard and garden. Water reported unfit for domestic use.
447	48.40	July 1, 1941	C,W	Irr	Irrigates yard. Water reported unfit for domestic use.
448	47.70	do.	C,W	Irr	Water reported unfit for domestic use.
449	47.40	June 23, 1941	C,W	D	Cased to 20 feet.
450	49.68	May 12, 1941	- , E, 3 4	D	
451	e/ 45	--	C,W	D	
452	49.76	May 12, 1941	C,W	D	
454	50.33	do.	C,W	D	Cased to 40 feet.

Records of wells and springs in Sterling County--Continued

Well No.	Distance from Sterling City Courthouse	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
d/455	3/8 mile northwest	Clell Ainsworth	--	--	60	5 $\frac{1}{2}$	.5
457	do.	Marrin F. Foster	--	1925	60	5 $\frac{1}{2}$	0
d/458	3/8 mile north	Public School	W. Sparkman	1923?	70	6	.6
459	$\frac{1}{4}$ mile northwest	S. M. Bailey	C. Smith	1939	80	5 $\frac{1}{2}$	0
d/460	do.	C. A. Bowen	--	Old	60	5 $\frac{1}{2}$	.4
461	do.	Mike Slayton	-- Smith	--	58	--	.5
d/462	do.	F. W. Cole	--	--	76	5 $\frac{1}{2}$	.2
d/463	do.	Dan Ritter	--	1935?	63	5 $\frac{1}{2}$	.5
d/464	do.	C. J. Dunn	--	1900	59	5 $\frac{1}{2}$	.3
466	1/8 mile northwest	Mrs. -- Lysle	--	Old	61	5 $\frac{1}{2}$	.5
d/467	do.	E. B. Butler	M. W. Smith	1925	112	5 $\frac{1}{2}$	0
d/468	do.	do.	do.	1914	67	6	.5
d/469	do.	D. P. Glass	--	Old	71	5 $\frac{1}{2}$	.0
d/470	do.	W. Y. Benge	M. W. Smith	1925?	110	6	.8
d/471	do.	W. J. Swan	C. Smith	1937	100	5 $\frac{1}{2}$	.4
d/472	do.	F. M. Williams	--	--	65	6	.5
d/473	1/8 mile west	Mrs. Bessie Reed	--	Old	60	6	0
474	do.	do.	Armada Drilling Co.	1940	87	4	1.0
d/475	do.	R. L. Lowe	--	Old	59	5 $\frac{1}{2}$	.0
d/476	1/8 mile southwest	-- Pierce	--	Old	65	5 $\frac{1}{2}$	.6
d/477	do.	Mrs. Allie Foster	--	Old	75	5 $\frac{1}{2}$	1.0
478	do.	Dunn Est.	--	Old	44	--	.2
d/479	do.	E. L. Bailey	--	Old	78	5 $\frac{1}{2}$	.8
d/480	do.	do.	--	Old	80	5 $\frac{1}{2}$	0
d/481	$\frac{1}{4}$ mile southwest	Mike Slaton	C. Smith	1928	60	5 $\frac{1}{2}$	0
d.482	do.	Vernon Davis	do.	1935	82	5 $\frac{1}{2}$	.5

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) a/	Date of measurement			
455	50.23	May 12, 1941	C,W	D	Cased to 40 feet.
457	e/ 49	do.	C,W	D	
458	45.36	do.	- , E, $1\frac{1}{2}$	P	Cased to 20 feet.
459	e/ 45	--	C,W	D	
460	46.35	June 26, 1941	C,W	D	
461	46.55	do.	C,W	D	
462	45.50	June 23, 1941	C,W	D	Cased to 10 feet.
463	45.35	June 26, 1941	C,W	D	Cased to 20 feet.
464	46.90	do.	C,W	D	
466	46.05	do.	C,W	D	
467	e/ 40	--	C,W	D,P	
468	45.63	July 2, 1941	C,E, 1	D,P	No casing.
469	45.10	do.	C,W	D	
470	45.45	do.	C,W	D	Cased to 70 feet.
471	45.10	do.	C,W	N	Water reported unfit for domestic use; said to kill vegetation.
472	47.00	July 3, 1941	C,W	P	No casing.
473	e/ 40	--	C,E, 5	P	
474	43.85	July 11, 1941	--	N	
475	49.90	do.	C,W	P	
476	43.40	July 10, 1941	C,W	D	
477	46.65	do.	C,W	D	
478	e/ 40	--	C,W	S,Irr	No casing. Water reported unfit for domestic use.
479	44.25	July 11, 1941	C,W	D	
480	e/ 39	--	C,W, E, $\frac{1}{2}$	D,Irr	
481	e/ 40	--	C,W	D	
482	41.00	July 11, 1941	C,W	S	Water reported unfit for domestic use.

Records of wells and springs in Sterling County--Continued

Well No.	Distance from Sterling City Courthouse	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
d/483	$\frac{1}{4}$ mile south	Sterling County	--	1939	67	$5\frac{1}{2}$	.5
484	do.	J. O. Longshore	M. W. Smith	1934	58	--	.0
d/485	$\frac{1}{8}$ mile south	A. A. Rutherford	--	Old	50	$5\frac{1}{2}$	1.0
d/486	do.	J. C. Alsop	M. W. Smith	1936	65	6	3
d/487	do.	Henry Malloy	do.	1936	78	$5\frac{1}{2}$	.2
d/488	$\frac{1}{8}$ mile southwest	Mrs. Helen Lysles	--	1900?	58	$5\frac{1}{2}$	.5
d/489	$\frac{1}{8}$ mile southeast	Lene Findt	--	Old	79	$5\frac{1}{2}$	.4
d/490	do.	Lene Findt, Jr.	--	1930	63	$5\frac{1}{2}$	1.0
d/491	At Courthouse	Sterling County	C. Smith	1940	90	8	.2
492	do.	do.	do.	Old	80	--	0
493	$\frac{1}{8}$ mile north	Earl Bailey	--	--	71	$5\frac{1}{2}$	.4
494	$\frac{1}{8}$ mile northeast	T. H. Murrel	--	--	71	$5\frac{1}{2}$	.3
d/495	$\frac{1}{8}$ mile north	H. M. Knight	C. Smith	1939	64	$5\frac{1}{2}$	.0
496	do.	do.	M. W. Smith	1941	62	$5\frac{1}{2}$	0
d/497	do.	Slayton Est.	--	--	62	$5\frac{1}{2}$	.2
d/498	do.	E. B. Butler	--	--	70	$5\frac{1}{2}$	.3
d/499	do.	Dan Ritter	--	--	69	$5\frac{1}{2}$	.2
500	$\frac{1}{4}$ mile north	L. F. Hodges	C. Smith	1930	61	$5\frac{1}{2}$	.7
d/501	do.	D. C. Durham	--	--	70	$5\frac{1}{2}$	1.2
502	$\frac{3}{8}$ mile northeast	W. T. Latham	--	Old	70	--	0
d/503	$\frac{1}{2}$ mile northeast	-- Allen	--	Old	58	$5\frac{1}{2}$	.5
d/504	do.	Mrs. John R. Welch	M. W. Smith	1922	62	$5\frac{1}{2}$	.5
d/505	do.	T. A. Revell	do.	1938	71	$5\frac{1}{2}$	.2
506	do.	D. C. Durham	--	Old	68	$5\frac{1}{2}$	.5
d/507	do.	John Walraven	--	1930?	56	$5\frac{1}{2}$	1.0
508	$\frac{1}{8}$ mile northeast	R. P. Brown	C. Smith	1939	100	$5\frac{1}{2}$	0

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
483	41.65	July 11, 1941	C,W	P	
484	38.00	do.	C,W	D	No casing.
435	42.47	do.	C,W	D	
486	39.75	do.	C,W	D	
487	39.50	do.	C,W	D	
488	41.60	do.	C,W	D	
489	45.40	do.	C,W	D	Cased to 75 feet.
490	45.00	do.	C,W	D,Irr	Irrigates garden.
491	45.00	July 10, 1941	C,W	P	
492	e/ 40	--	C,E, 2	P	No casing. Water reported highly mineralized.
493	44.30	July 3, 1941	C,W	P	Water reported unfit for domestic use.
494	43.10	do.	C,W	D	Cased to 20 feet. Water reported somewhat highly mineralized.
495	40.50	July 2, 1941	C,W	D	
496	e/ 40	1941	C,E, $\frac{1}{2}$	D	
497	42.20	July 3, 1941	C,W	D	
498	44.25	do.	C,W	D	
499	43.45	do.	C,W	D	
500	44.85	June 26, 1941	C,W,E, 1	D	
501	45.60	June 23, 1941	C,W	D,Irr	Irrigates yard and garden.
502	e/ 45	--	C,W	N	No casing.
503	39.70	June 23, 1941	C,W	Irr	Water reported unfit for domestic use.
504	40.40	June 20, 1941	C,W	D	
505	41.85	June 23, 1941	C,W	D	Cased to 20 feet.
506	56.65	do.	C,W	Irr	Cased to 20 feet. Irrigates garden. Water reported highly mineralized.
507	38.30	June 26, 1941	C,W	D	
508	e/ 40	--	C,W,E, 1	D	

Records of wells and springs in Sterling County--Continued

Well No.	Distance from Sterling City Courthouse	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
d/510	1/8 mile east	W. E. Tidwell	--	1925?	80	5 $\frac{1}{2}$	0
d/511	1/8 mile southeast	W. F. Kellis	--	1894	51	5 $\frac{1}{2}$	.5
d/512	do.	O. W. Findt	C. Smith	1939	72	5 $\frac{1}{2}$	.5
d/513	do.	Harman Everett	--	Old	59	5 $\frac{1}{2}$	.5
d/514	$\frac{1}{4}$ mile southeast	W. L. Foster	M. W. Smith	--	83	5 $\frac{1}{2}$	.3
d/515	1/8 mile east	Mrs. J. T. Thompson	--	--	67	5 $\frac{1}{2}$	.0
d/516	$\frac{1}{4}$ mile northeast	M. E. Church	C. Smith	1941	65	5 $\frac{1}{2}$	0
d/517	do.	C. J. Blair	R. L. Lowe	Old	75	6	.5
d/518	do.	John Purris	-- Whitmier	1914	46	6	.3
d/519	do.	T. H. Murrell	--	Old	62	5 $\frac{1}{2}$	.5
d/521	3/8 mile northeast	J. M. Cass	C. Smith	1939	76	8	.5
522	do.	Bustar Chapman	--	--	61	5 $\frac{1}{2}$	.5
d/523	do.	O. M. Cole	--	Old	70	5 $\frac{1}{2}$	1.0
d/524	do.	W. L. Foster	--	Old	82	5 $\frac{1}{2}$	.3
d/525	do.	Mrs. -- Stockton	--	1925?	65	5 $\frac{1}{2}$	.3
d/526	3/8 mile east	The State of Texas	--	--	50	5 $\frac{1}{2}$	.3
d/527	$\frac{1}{2}$ mile east	Mrs. S. T. Walraven	--	--	61	5 $\frac{1}{2}$	.7
d/528	$\frac{1}{2}$ mile northeast	A. W. Dearen	--	Old	66	5 $\frac{1}{2}$	.7
529	do.	Ray Mathis	--	Old	67	5 $\frac{1}{2}$	.5
d/530	do.	J. L. Glass	--	Old	69	5 $\frac{1}{2}$	.0
d/531	do.	W. H. Sparkman	--	1910	75	--	.3
d/532	do.	Homer Pierce	--	--	68	5 $\frac{1}{2}$	.4
d/533	5/8 mile northeast	Rolgers Hefley	--	Old	52	5 $\frac{1}{2}$	1.0

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) a/	Date of measurement			
510	e/ 45	--	C,W	D	
511	45.70	July 11, 1941	C,W	D,Irr	Irrigates garden.
512	43.00	do.	C,W	D	
513	41.15	do.	C,W	D	
514	42.25	do.	C,W,E, $\frac{1}{2}$	D	
515	40.30	do.	C,W,E, $\frac{1}{2}$	D	
516	e/ 40	1941	-,E, $\frac{1}{2}$	P	
517	38.00	July 4, 1941	C,W	D	No casing.
518	33.75	do.	C,W	D	Do.
519	41.90	June 26, 1941	C,W	D	
521	47.15	June 23, 1941	C,W	D,Irr	No casing. Irrigates garden and yard.
522	46.00	June 26, 1941	C,W	D	
523	45.65	June 23, 1941	C,W	D,Irr	Cased to 20 feet. Irrigates garden and yard.
524	41.10	July 4, 1941	C,W	D	
525	41.25	do.	C,W	D	
526	37.09	Mar. 3, 1941	C,W	P,Irr	Cased to 12 feet.
527	39.20	July 4, 1941	C,E, 2	D	Cased to 20 feet.
528	46.85	June 26, 1941	C,W	D	
529	46.55	do.	C,W	D	Cased to 10 feet.
530	49.25	June 23, 1941	C,W,G, $1\frac{1}{2}$	--	
531	45.40	do.	C,W	D,Irr	No casing. Irrigates garden and yard.
532	46.90	1941	C,W	D,Irr	Cased to 20 feet. Irrigates garden and yard.
533	42.68	Apr. 21, 1941	C,E, $\frac{1}{2}$	D	

Records of wells and springs in Sterling County--Continued

Well No.	Distance from Sterling City Courthouse	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
d/534	5/8 mile northeast	Mrs. W. H. Stone	--	--	61	5 $\frac{1}{2}$	.2
d/535	do.	Mrs. M. Z. House	Rude Mathis	1910	70	5 $\frac{1}{2}$	0
d/536	5/8 mile east	M. W. Smith	--	1908?	65	5 $\frac{1}{2}$	.3
537	do.	C. Smith	C. Smith	--	70	5 $\frac{1}{2}$	.5
d/538	do.	Sterling City	M. W. Smith	--	50	5 $\frac{1}{2}$	.5

a/ Plus(+) indicates water level is above ground.

b/ T, turbine; Cf, centrifugal; C, cylinder; E, electric; G, gasoline engine; W, windmill; H, hand. Figure indicates horsepower.

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
534	48.15	July 4, 1941	C,W	D	
535	<u>e/</u> 45	--	C,W	D,Irr	Cased to 20 feet. Irrigates garden and yard.
536	35.10	July 4, 1941	C,W	D	
537	30.50	do.	C,G, 1	D,Irr	Irrigates garden.
538	24.50	do.	C,W	P	

c/ P, public supply; Irr, irrigation; D, domestic; S, stock; N, none.

d/ Analysis of water in table of water analyses.

e/ Reported by driller or owner.

Table of Drillers' Logs of wells in Sterling County, Texas

Well 40, partial log		Well 118	
Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
T. G. Brennand, No. 1, 9 miles north of Sterling City.		J. T. Davis, water well No. 1, $4\frac{3}{4}$ miles northeast of Sterling City.	
Gray lime	95	White lime	22
Sand, water	20	Brownish-gray lime	26
Red rock	40	Gray lime	13
Sand, water	12	Yellow lime	42
Red rock	3	Sand	13
Red sand, water	12	Sandy shale, slightly red	17
"Red beds"	263	Light-yellow sand	20
Red and brown shale	223	Sand and gravel	5
Gray sand, little water	12	Sand	10
Brown sandy shale	30	Sand and gravel	28
Red and blue shale	160	Yellow clay	4
Anhydrite, "red beds" and thin beds of gray sand	360	Pumped 350 barrels fresh water a day.	
Sand, water	70	<u>Well 159, partial log</u>	
"Red beds", some sand	20	Claud Collins, well No. 1, $6\frac{3}{4}$ miles east of Sterling City.	
Sand, water	40	Lime	90
"Red beds", some anhydrite	60	Sand, water	110
Anhydrite and sand	20	Red rock and lime	150
TOTAL DEPTH	3011	Red rock, gypsum, and blue shale	340
<u>Well 95, partial log</u>		Red sand	30
J. T. Davis, et al., No. 1, 1 mile northeast of Sterling City.		Gypsum	35
Yellow clay	63	Red rock	20
Gray lime, 250 barrels fresh water a day	39	Lime	5
Red rock	38	Red rock, blue and red shale, and gray lime	137
Pink sandy shale	25	Sand and gravel	88
Red rock	5	Shale, lime and gypsum	305
Red and blue shale	10	TOTAL DEPTH	3013
Gray sandy lime	20	<u>Well 180, partial log</u>	
Gray lime	5	C. A. Broome, No. 1, $9\frac{1}{2}$ miles southeast of Sterling City.	
Red rock	25	White lime	15
Red sandy shale	35	Gray lime	5
Red lime	15	Red rock	205
Red rock	5	Brown shale	20
Red lime	5	Lime	15
Red gumbo	15	Red rock, sandy shale, gray lime and anhydrite	470
Red and gray sand, 175 barrels water a day	55	Red rock, shell, lime, and "red beds"	297
Red rock, shale, and gray and white lime; gray water sand, 500 barrels a day	565	Sand, water	12
TOTAL DEPTH	3500	Red rock	18
		TOTAL DEPTH	3202

Table of Drillers' Logs of wells in Sterling County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 245, partial log</u>		
Fisher Bros., No. 1, 1 $\frac{3}{4}$ miles southwest of Sterling City.		
Gravel	10	10
Lime	10	20
Red shale	50	70
White sand	15	85
Red shale	90	175
Blue shale	15	190
Sand, 2 barrels fresh water an hour	10	200
Blue shale	10	210
Sand, 4 barrels fresh water an hour	10	220
Red rock and gray shale	105	325
Soft sand and gravel	7	332
Red rock	173	505
Sand	20	525
Red shale, lime and gypsum	200	725
Sand	95	820
Lime, red rock and gypsum	554	1374
Water sand, salt water	7	1381
TOTAL DEPTH		1485

	Thickness (feet)	Depth (feet)
<u>Well 279, partial log</u>		
R. L. and R. R. Stansberry, No. 1, 17 $\frac{1}{2}$ miles northwest of Sterling City.		
Cellar	6	6
Lime	6	12
Yellow shale and shells	58	70
Broken lime	15	85
Lime	85	170
Yellow and red sand	45	215
Water sand	5	220
Red rock	3	223
Sand	12	235
Red shale	5	240
Yellow clay	5	245
"Red beds"	8	253
Red shale	10	263
Water sand	45	308
Red shale	7	315
Gravel	10	325
Sandy shale	12	337
"Red beds"	518	855
Brown shale	8	863
Sand, water	17	880
Sand	10	890

	Thickness (feet)	Depth (feet)
<u>Well 279, partial log--Continued</u>		
Red beds and blue shale	90	980
Red shale and anhydrite	495	1475
Water sand	23	1498
Anhydrite and red shale	382	1880
TOTAL DEPTH		3142

	Thickness (feet)	Depth (feet)
<u>Well 295, partial log</u>		
C. C. Reynolds, No. 1, 10 $\frac{3}{4}$ miles west of Sterling City.		
White lime	70	70
Yellow shale	5	75
Yellow sand	10	85
Sand	10	95
Sand and clay	30	125
Sandy shale and red rock	40	165
Brown shale	10	175
Yellow clay	5	180
White lime, water	10	190
Red rock	8	198
Hard sand	12	210
Gray sand	10	220
Red shale and sand	407	627
Red and brown shale, and lime	453	1080
Sand	40	1120
Lime and red rock	70	1190
Gray sand, water	20	1210
Red sandy shale	35	1245
TOTAL DEPTH		3002

	Thickness (feet)	Depth (feet)
<u>Well 324, partial log</u>		
Geo. R. Hull, No. 1, 17 $\frac{3}{4}$ miles southwest of Sterling City.		
Lime	190	190
Shale	12	202
Sand	7	209
Shale	12	221
Red rock	9	230
Lime	10	240
Red clay	1	241
Sandy shale	10	251
Red sandy shale	19	270
Red rock	86	356
Red gumbo	34	390
Blue gumbo	60	450
Quicksand	30	480

(Continued on next page)

Table of Drillers' Logs of wells in Sterling County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well 324, partial log--Continued</u>			<u>Well 382, partial log--Continued</u>		
Red rock	5	485	Gravel and sand	15	40
Sandy shale	15	500	Clay	5	45
Sand	25	525	Clay and lime	17	62
Red rock	35	560	Gravel	5	67
Red sand	90	650	Red rock	23	90
Lime and red rock	380	1030	Sand, fresh water at 105 feet	16	106
Salt	20	1050	Sand and gravel, water	44	150
TOTAL DEPTH		3501	"Red beds"	5	155
<u>Well 339, partial log</u>			Sand, water	20	175
Rufus Foster, No. 1, 9 miles southwest of Sterling City.			"Red beds"	10	185
Caliche	30	30	Sand, water	20	205
Sand, water at 60 feet	35	65	Sand	10	215
Red rock	5	70	Red and blue shale	65	280
Lime	5	75	Sand	10	290
Red rock	15	90	Red and blue shale	80	370
Sandy shale	10	100	Red sand	10	380
Sand	8	108	Red rock, lime, gypsum and anhydrite	360	740
Red rock	7	115	Blue shale	20	760
Lime	15	130	Sandy blue shale, salt water	10	770
Red mud	7	137	TOTAL DEPTH		1865
Red sand	38	175	<u>Well 396</u>		
Red rock, sand and shells	30	205	Will Ellwood, No. 1, 16 $\frac{1}{4}$ miles north of Sterling City.		
Red rock	17	222	Soft yellow lime	30	30
Sand	15	237	"Red beds" and gravel	30	60
Red mud	28	265	"Red beds"	52	112
Sandy shale	5	270	Red rock	8	120
Sand	15	285	Brown shale	60	180
Red shale	5	290	Brown sandy shale	29	209
Sand, water at 318 feet	52	342	Brown hard shale	33	242
Sand and broken shale	38	380	"Red beds"	53	300
Broken sand	20	400	Brown shale	55	355
Gray sand	15	415	Brown sandy shale	17	372
Broken sand	13	428	Gray sandy shale	10	382
Red and blue shale and gypsum	199	627	Gray sand	28	410
Anhydrite, shale and conglomerate	177	804	White lime and gypsum	12	422
Salt, shale	16	820	Brown shale	25	447
TOTAL DEPTH		2447	Red rock	25	472
<u>Well 382, partial log</u>			Red sand rock	10	482
R. H. Harris, No. 1, 15 $\frac{1}{2}$ miles southeast of Sterling City.			White sandy shale	3	485
Soil	10	10	Red rock	31	516
Caliche	10	20	White sandy shale	4	520
Gravel and caliche	5	25	Sandy hard lime	2	522
			Anhydrite, red rock, brown and gray shale	158	680
			Sandy shale	10	690
			Gray soft sand	11	701
			Gray sand, brown and gray sandy shale	27	728

Logs of W. P. A. test holes in Sterling County, Texas

	Thickness (feet)	Depth (feet)
<u>61</u>		
Flat, G. H. McEntire tract, 9 miles northwest of Sterling City.		
Surface soil	3	3
Clay and gravel	3	6
Tan clay	3	9
Fine-grained white sand	9	18
Fine-grained tan sand	4	22
May 9, 1941.		

	Thickness (feet)	Depth (feet)
<u>82</u>		
Dry creek bank, B. Reed tract, $4\frac{1}{2}$ miles northwest of Sterling City.		
Surface soil	2	2
Brown clay	4	6
Clay and gravel	3	9
Brown clay, caliche and gravel	35	44
April 21, 1941.		

	Thickness (feet)	Depth (feet)
<u>92</u>		
Flat, Sterling City tract, $\frac{3}{4}$ mile northwest of Sterling City.		
Surface soil	3	3
Tan gumbo and clay	16	19
Light brown clay	7	26
Sandy tan clay	5	31
Gravel and tan sand	4	35
June 21, 1941.		

	Thickness (feet)	Depth (feet)
<u>96</u>		
River valley flat, J. T. Davis tract, 1 mile northeast of Sterling City.		
Surface soil	2	2
Caliche and clay	2	4
Caliche and gravel	7	11
Tan clay and caliche	6	17
Tan clay and rock	18	35

	Thickness (feet)	Depth (feet)
<u>98</u>		
Flat, J. T. Davis tract, 2 miles east of Sterling City.		
Surface soil	4	4
Tan clay and caliche	2	6
Caliche and gravel	5	11
Caliche and rock	9	20
June 18, 1941.		

	Thickness (feet)	Depth (feet)
<u>133</u>		
Canyon, L. R. Knight tract, $11\frac{1}{4}$ miles northeast of Sterling City.		
Surface soil	4	4
Brown clay	4	8
Reddish-brown clay and gravel	12	20
Red clay	3	23
Sandy red shale	2	25
June 17, 1941.		

	Thickness (feet)	Depth (feet)
<u>135</u>		
Canyon, Davis Bros. Ranch tract, $12\frac{3}{4}$ miles northeast of Sterling City.		
Surface soil	3	3
Sandy red loess	10	13
Brownish-red clay	3	16
Red clay and caliche	2	18
"Red beds" and clay	1	19
Struck water at $18\frac{1}{2}$ feet. Water level, 16 feet below land surface, 1 hour after hole completed. May 30, 1941.		

	Thickness (feet)	Depth (feet)
<u>137</u>		
Canyon, Davis Bros. Ranch tract, $13\frac{1}{2}$ miles northeast of Sterling City.		
Surface soil	2	2
Red clay	2	4
Gravel	4	8
Brown clay, gravel and boulders	2	10
Struck water at 6 feet. June 25, 1941.		

	Thickness (feet)	Depth (feet)
<u>138</u>		
Canyon, Davis Bros. Ranch tract, $13\frac{1}{4}$ miles northeast of Sterling City.		
Surface soil	3	3
Red sandy loess	12	15
Brownish-red clay	4	19
Gravel	2	21
"Red beds" and clay	2	23
Struck water at 19 feet. Water level, 17.3 feet below land surface, 14 hours after hole completed. June 24, 1941.		

Logs of W. P. A. test holes in Sterling County--Continued

	Thickness (feet)	Depth (feet)
<u>140</u>		
Canyon, Davis Bros. Ranch tract, $12\frac{3}{4}$ miles northeast of Sterling City.		
Surface soil	5	5
Tan sand and gravel	7	12
Red clay and gravel	5	17
Tan clay and caliche	2	19
Tan clay and gravel	3	22
"Red beds" and clay	6	28
May 28, 1941.		

	Thickness (feet)	Depth (feet)
<u>173</u>		
Dry creek bottom, Mrs. Sadie Davis tract, $9\frac{5}{8}$ miles southeast of Sterling City.		
Surface soil	4	4
Reddish-brown clay	3	7
Caliche	19	26
Reddish-brown clay and caliche	10	36
White caliche, water	4	40
Caliche, clay and gravel	4	44
Struck water at 40 feet. Water level, 40 feet below land surface, 2 hours after hole completed. March 24, 1941.		

	Thickness (feet)	Depth (feet)
<u>177</u>		
Flat, C. A. Broome tract, 11 miles southeast of Sterling City.		
Surface soil	4	4
Brown clay	5	9
Tan clay	6	15
Gravel, water	2	17
Tan clay and gravel	1	18
Struck water at 17 feet. Water level, 17 feet below land surface, 2 hours after hole completed. March 27, 1941.		

	Thickness (feet)	Depth (feet)
<u>179</u>		
L. C. Clark tract, $13\frac{1}{2}$ miles southeast of Sterling City. Elevation, 2161.00.		
Surface soil	2	2
Clay and gravel	43	45
Gravel, water	10	55
Clay and gravel	19	74
Struck water at 45 feet. December 10, 1941.		

	Thickness (feet)	Depth (feet)
<u>181</u>		
Dry creek bank, Mrs. G. W. Cook tract, $8\frac{1}{4}$ miles southeast of Sterling City.		
Surface soil	3	3
Brown clay	4	7
Caliche	4	11
Gravel	6	17
March 21, 1941.		

	Thickness (feet)	Depth (feet)
<u>182</u>		
Flat, D. M. Brown tract, $6\frac{1}{2}$ miles southeast of Sterling City.		
Surface soil	3	3
Gravel	4	7
Brownish-pink clay	7	14
Tan sand	4	18
Gravel, water	3	21
Struck water at 18 feet. Water level, 18 feet below land surface, 2 hours after hole completed. March 20, 1941.		

	Thickness (feet)	Depth (feet)
<u>183</u>		
Creek bed, T. E. Satterwhite tract, $5\frac{1}{2}$ miles southeast of Sterling City.		
Tan clay	7	7
Blue clay	6	13
Light brown clay	4	17
Bluish-gray clay	4	21
Tan clay	12	33
Brown clay and gravel	5	38
Struck water at 36 feet. Water level, 36 feet below land surface, 2 hours after hole completed. March 14, 1941.		

	Thickness (feet)	Depth (feet)
<u>186</u>		
River valley, T. E. Satterwhite tract, 5 miles southeast of Sterling City.		
Surface soil	2	2
Sandy brown clay	15	17
Caliche and clay	3	20
Gravel and clay	7	27
Caliche and gravel	1	28
Blue clay, water	3	31
Struck water at 28 feet. Water level, 28 feet below land surface, 2 hours after hole completed. March 18, 1941.		

Logs of W. P. A. test holes in Sterling County--Continued

	Thickness (feet)	Depth (feet)
<u>188</u>		
Creek bed, W. L. Foster tract, 4 miles southeast of Sterling City.		
Surface soil	3	3
Caliche	4	7
Reddish-brown clay	2	9
Tan sand and clay	1	10
Tan clay and gravel	16	26
Tan sand and gravel	4	30
March 10, 1941.		

<u>189</u>		
Flat, W. L. Foster tract, $3\frac{3}{4}$ miles southeast of Sterling City. Elevation, 2300.		
Surface soil	3	3
Gravel	24	27
Brown lime	31	58
Red sand	27	85
Red clay	15	100
April 3, 1941.		

<u>190</u>		
Flat, W. L. Foster tract, $3\frac{1}{2}$ miles southeast of Sterling City. Elevation, 2318.		
Surface soil	3	3
Gravel	12	15
Unknown	65	80
Sand rock	10	90
Water sand	5	95
Clay and gravel	15	110
Red clay	5	115
Struck water at 95 feet. April 3, 1941.		

<u>191</u>		
Flat, W. L. Foster tract, $3\frac{1}{2}$ miles southeast of Sterling City. Elevation, 2231.		
Surface soil	4	4
Sand	8	12
Sandy clay	8	20
Gravel	15	35
Lime	5	40
Sand	5	45
Yellow clay	20	65
Sand	10	75
Struck water at 45 feet. April 1, 1941.		

	Thickness (feet)	Depth (feet)
<u>192</u>		
Gentle slope, W. L. Foster tract, $3\frac{1}{2}$ miles southeast of Sterling City. Elevation, 2221.		
Surface soil	3	3
Brown clay	16	19
Gravel	41	60
Struck water at 30 feet. April 1, 1941.		

<u>193</u>		
River valley, W. L. Foster tract, $3\frac{1}{2}$ miles southeast of Sterling City.		
Surface soil	3	3
Sandy tan clay	8	11
Clay and gravel	2	13
Gravel and sand	3	16
Sand, gravel, clay and water	1	17
Struck water at 16 feet. Water level, 14 feet below land surface, 6 hours after hole completed. March 7, 1941.		

<u>194</u>		
Gentle slope, W. L. Foster tract, $3\frac{1}{4}$ miles southeast of Sterling City. Elevation, 2250.		
Surface soil	3	3
Gravel	17	20
Clay and gravel	20	40
Gravel, water	10	50
Gravel	10	60
Struck water at 50 feet. April 1, 1941.		

<u>196</u>		
Gentle slope, W. L. Foster tract, $2\frac{3}{4}$ miles southeast of Sterling City. Elevation, 2250.		
Surface soil	3	3
Gravel	26	29
Clay and gravel	41	70
Clay	15	85
Gravel	15	100
Clay	10	110
Struck water at 85 feet. April 1, 1941.		

Logs of W. P. A. test holes in Sterling County--Continued

	Thickness (feet)	Depth (feet)
<u>197</u>		
Gentle slope, W. L. Foster tract, $2\frac{1}{4}$ miles southeast of Sterling City. Elevation, 2255.		
Surface soil	3	3
Sandy clay	22	25
Water sand	5	30
Gravel	27	57
Struck water at 25 feet. April 2, 1941.		

	Thickness (feet)	Depth (feet)
<u>198</u>		
Flat, W. L. Foster tract, $1\frac{3}{4}$ miles southeast of Sterling City. Elevation, 2249.		
Surface soil	4	4
Clay	6	10
Gravel	28	38
Struck water at 15 feet. April 1, 1941.		

	Thickness (feet)	Depth (feet)
<u>199</u>		
Flat, W. L. Foster tract, $1\frac{3}{4}$ miles southeast of Sterling City. Elevation, 2251.		
Surface soil	3	3
Yellow clay	22	25
Gravel	15	40
Struck water at 30 feet. April 1, 1941.		

	Thickness (feet)	Depth (feet)
<u>200</u>		
Flat, W. L. Foster tract $1\frac{1}{2}$ miles southeast of Sterling City. Elevation, 2254.		
Surface soil	3	3
Clay	12	15
Gravel	35	50
Struck water at 18 feet. March 31, 1941.		

	Thickness (feet)	Depth (feet)
<u>201</u>		
Creek bed, J. T. Davis tract, $\frac{5}{4}$ mile east of Sterling City.		
Surface soil	4	4
Brown clay	3	7
Clay and caliche	7	14
Clay and gravel	12	26
Caliche and rock	3	29
March 6, 1941.		

	Thickness (feet)	Depth (feet)
<u>202</u>		
Flat, W. L. Foster tract, $\frac{1}{2}$ mile south of Sterling City.		
Surface soil	2	2
Dark-brown clay	4	6
Reddish-tan clay	6	12
Fine gravel and clay	$2\frac{1}{2}$	$14\frac{1}{2}$
Coarse gravel, water	$2\frac{1}{2}$	17
Struck water at $14\frac{1}{2}$ feet. Water level, $14\frac{1}{2}$ feet below land surface, 4 hours after hole completed. May 28, 1941.		

	Thickness (feet)	Depth (feet)
<u>203</u>		
River bank, State Highway Department tract, $\frac{1}{4}$ mile southwest of Sterling City.		
Surface soil	8	8
Reddish-tan clay	15	23
Rusty clay and clay	2	25
White sand, water	1	26
Sand and gravel	4	30
Tan clay	1	31
Struck water at 25 feet. Water level, 22.5 feet below land surface. February 26, 1941.		

	Thickness (feet)	Depth (feet)
<u>204</u>		
Flat, H. F. Merrell tract, $\frac{1}{2}$ mile west of Sterling City.		
Surface soil	2	2
Brown clay	16	18
Gray loam	3	21
Tan clay and caliche	5	26
Blue clay, gravel and water	$2\frac{1}{2}$	$28\frac{1}{2}$
Struck water at $28\frac{1}{2}$ feet. Water level, 26 feet below land surface, 2 hours after hole completed. April 4, 1941.		

	Thickness (feet)	Depth (feet)
<u>205</u>		
River bottom, J. T. Davis tract, $\frac{1}{2}$ mile southwest of Sterling City.		
Surface soil	3	3
Sandy gray clay	5	8
Tan sand	2	10
Clay and gravel	3	13
Gray clay and gravel	2	15
Water sand	1	16
Struck water at 15 feet. Water level, 15 feet below land surface, 2 hours after hole completed. February 26, 1941.		

	Thickness (feet)	Depth (feet)
<u>207</u>		
Gentle slope, W. L. Foster tract, $1\frac{1}{4}$ miles southeast of Sterling City. Elevation, 2285.		
Surface soil	4	4
Sandy clay	36	40
Brown lime	17	57
Sand	6	63
Yellow clay	9	72
"Red beds" and clay	16	88
Struck water at 57 feet. March 31, 1941.		

Logs of W. P. A. test holes in Sterling County--Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)		
<u>208</u>				<u>213</u>					
Slope, W. L. Foster tract, $1\frac{1}{2}$ miles south of Sterling City. Elevation, 2309.				Flat, W. L. Foster tract, $3\frac{1}{4}$ miles south-east of Sterling City. Elevation, 2312.					
Surface soil		4	4	Surface soil		3	3		
White clay		11	15	Gravel		9	12		
Shale, rock and clay		55	70	Blue lime		15	27		
Sand rock		20	90	Sand rock		43	70		
Red clay		30	120	Red clay		15	85		
Struck water at 90 feet. March 31, 1941.				Sandy yellow clay				18	103
				April 3, 1941.					
<u>209</u>				<u>214</u>					
Gentle slope, W. L. Foster tract, 2 miles south of Sterling City. Elevation, 2302.				Flat, W. L. Foster tract, $2\frac{3}{4}$ miles south of Sterling City. Elevation, 2275.					
Surface soil		3	3	Surface soil		3	3		
Sandy caliche		37	40	Clay		15	18		
Caliche and gravel		25	65	Gravel		5	23		
Yellow clay		15	80	Sand		5	28		
Clay and gravel		35	115	Gravel and boulders		29	57		
Sand		10	125	March 30, 1941.					
"Red beds" and clay		5	130						
Struck water at 70 feet. March 31, 1941.									
<u>210</u>				<u>215</u>					
Gentle slope, W. L. Foster tract, $2\frac{1}{4}$ miles south of Sterling City. Elevation, 2292.				Flat, W. L. Foster tract, 3 miles south of Sterling City. Elevation, 2285.					
Surface soil		4	4	Surface soil		3	3		
Gravel and boulders		23	27	Gravel		19	22		
Sand and gravel		23	50	Brown lime		23	45		
Gravel		22	72	Gravel, water		5	50		
Struck water at 62 feet. March 31, 1941.				"Red beds" and clay				14	64
				April 3, 1941.					
<u>211</u>				<u>216</u>					
Flat, W. L. Foster tract, 3 miles south-east of Sterling City. Elevation, 2329.				Flat, W. L. Foster tract, $3\frac{1}{4}$ miles south of Sterling City. Elevation, 2277.					
Surface soil		3	3	Surface soil		5	5		
Boulders and gravel		17	20	Sandy clay		15	20		
Red clay		22	42	Brown lime		23	43		
Sand and clay		13	55	Sand		32	75		
Red clay		25	80	Brown sand and clay		35	110		
Brown sand		22	102	March 30, 1941.					
Struck water at 80 feet. April 3, 1941.									
<u>212</u>				<u>217</u>					
Flat, W. L. Foster tract, $3\frac{1}{4}$ miles south-east of Sterling City. Elevation, 2345.				Flat, W. L. Foster tract, $3\frac{1}{2}$ miles south of Sterling City. Elevation, 2297.					
Surface soil		3	3	Surface soil		2	2		
Clay		5	8	Brown clay		21	23		
Gravel		9	17	Gravel		9	32		
Sandy red clay		13	30	Red sand		13	45		
Red clay		30	60	Sand rock		5	50		
Brown sand		10	70	Red sand and clay		20	70		
Red sand		10	80	Water sand		13	83		
Red clay		3	83	April 4, 1941.					
Struck water at 70 feet. April 3, 1941.									

Logs of W. P. A. test holes in Sterling County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<p>218 Flat, W. L. Foster tract, $3\frac{3}{4}$ miles south of Sterling City.</p>			<p>231 Flat, W. L. Foster tract, $5\frac{3}{4}$ miles southwest of Sterling City.</p>		
Surface soil	4	4	Surface soil	4	4
Gravel	26	30	Brown clay	11	15
Conglomerate	20	50	Tan clay and gravel	5	20
Dry sand	40	90	Gravel and gray clay	3	23
March 30, 1941.			Red clay	5	28
<p>219 Flat, W. L. Foster tract, 4 miles south of Sterling City.</p>			<p>April 1, 1941.</p>		
Surface soil	3	3	<p>239 Flat, A. D. Myer tract, $3\frac{3}{4}$ miles west of Sterling City.</p>		
Sandy clay	12	15	Surface soil	3	3
Gravel	10	25	Brown river loess	2	5
Lime	5	30	Tan clay and caliche	20	25
Clay and gravel	5	35	Caliche	14	39
Gray lime	35	70	Clay, caliche and gravel	6	45
Red clay	10	80	Brown clay	2	47
Sand and gravel	18	98	Clay and caliche	7	54
Struck water at 18 feet. March 30, 1941.			<p>Struck water at 39 feet. Water level, 39 feet below land surface, 12 hours after hole completed. April 9, 1941.</p>		
<p>220 Flat, W. L. Foster tract, $4\frac{1}{2}$ miles south of Sterling City.</p>			<p>240 River valley, W. Y. Benge tract, $3\frac{1}{4}$ miles west of Sterling City.</p>		
Surface soil	4	4	Surface soil	2	2
Clay and gravel	16	20	Pink clay	10	12
Clay and broken lime	20	40	Gravel, water	9	21
Red clay	50	90	Pink clay	9	30
March 31, 1941.			Caliche	6	36
<p>221 Flat, W. L. Foster tract, $4\frac{3}{4}$ miles south of Sterling City. Elevation, 2317.</p>			<p>Lime</p>		
Surface soil	3	3		$\frac{1}{2}$	$36\frac{1}{2}$
Gravel	7	10	<p>Struck water at 18 feet. Water level, 18 feet below land surface, 4 hours after hole completed. April 10, 1941.</p>		
White clay	30	40	<p>246 River bed, Jeff Davis tract, $1\frac{1}{2}$ miles west of Sterling City.</p>		
Gravel	15	55	Surface soil	3	3
Red clay	10	65	Brown loess	4	7
Struck water at 40 feet. April 4, 1941.			Sandy tan clay and caliche	4	11
<p>226 Flat, Mrs. J. T. Thompson tract, $4\frac{1}{4}$ miles southwest of Sterling City.</p>			<p>Tan sand and gravel</p>		
Surface soil	2	2		2	13
Brown clay loess	8	10	Clay and gravel	$2\frac{1}{2}$	$15\frac{1}{2}$
Caliche and clay	4	14	Gravel	$4\frac{1}{2}$	20
Gravel and clay	8	22	<p>Struck water at 16 feet. May 15, 1941.</p>		
White dobie clay	5	27			
<p>Struck water at 21 feet. Water level, 21 feet below land surface, 3 hours after hole completed. May 23, 1941.</p>					

Logs of W. P. A. test holes in Sterling County--Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
<p style="text-align: center;"><u>255</u></p> <p>River valley, E. H. Joergensen tract, $4\frac{1}{4}$ miles northwest of Sterling City.</p>				<p style="text-align: center;"><u>278</u></p> <p>Flat, N. Reed estate tract, 18 miles northwest of Sterling City.</p>			
Surface soil	3	3	Surface soil	3	3	3	3
Brown loess	3	6	Brown loam	3	6	3	6
Sandy tan clay	3	9	Sandy tan clay	5	11	5	11
Gravel and water	3	12	Caliche, gravel and clay	2	13	2	13
Light-colored clay	1	13	Tan clay and caliche	8	21	8	21
Struck water at 12 feet. Water level, 12 feet below land surface, 3 hours after hole completed. April 14, 1941.			Tan clay	11	32	11	32
<p style="text-align: center;"><u>256</u></p> <p>River valley, Mrs. J. H. McEntire tract, $6\frac{1}{4}$ miles west of Sterling City.</p>				<p style="text-align: center;"><u>294</u></p> <p>Gentle slope, J. W. Reynolds tract, 9 miles west of Sterling City.</p>			
Surface soil	2	2	Surface soil	2	2	2	2
Caliche, gravel and clay	2	4	Brown loess	6	8	6	8
Brown clay	2	6	Brown clay	15	23	15	23
Caliche	6	12	Caliche and rock	3	26	3	26
Brown clay, caliche and heavy boulders	30	42	April 16, 1941.				
<p style="text-align: center;"><u>259</u></p> <p>Dry creek bed, N. Reed tract, $6\frac{1}{4}$ miles northwest of Sterling City.</p>				<p style="text-align: center;"><u>297</u></p> <p>Gentle slope, C. C. Reynolds tract, $10\frac{1}{2}$ miles west of Sterling City.</p>			
Surface soil	1	1	Surface soil	5	5	5	5
Wash gravel	2	3	Caliche	6	11	6	11
Caliche and gravel	5	8	Brown clay	7	18	7	18
Caliche	5	13	Caliche	3	21	3	21
Gravel, water	4	17	Brown clay and gravel	8	29	8	29
Struck water at 13 feet. Water level, 13 feet below land surface, 2 hours after hole completed. April 25, 1941.			Brown clay	7	36	7	36
<p style="text-align: center;"><u>263</u></p> <p>Flat, G. H. McEntire tract, 8 miles northwest of Sterling City.</p>				<p style="text-align: center;"><u>314</u></p> <p>Creek valley, J. L. Glass tract, $15\frac{1}{4}$ miles southwest of Sterling City.</p>			
Surface soil	4	4	Surface soil	3	3	3	3
Tan clay and caliche	9	13	Brown loess	6	9	6	9
Caliche	4	17	Tan clay and gravel	2	11	2	11
Brown clay and caliche	3	20	Gravel	6	17	6	17
Rock	1	21	Caliche, clay, gravel and water	9	26	9	26
<p style="text-align: center;"><u>276</u></p> <p>Dry creek bank, G. H. McEntire tract, $15\frac{1}{2}$ miles northwest of Sterling City.</p>				<p style="text-align: center;"><u>340</u></p> <p>Flat, W. L. Foster tract, 8 miles southwest of Sterling City.</p>			
Surface soil	6	6	Surface soil	2	2	2	2
Brown clay	10	16	Dark brown clay	1	3	1	3
White lime and caliche	7	23	Caliche	5	8	5	8
Caliche and rock	5	28	Caliche and boulders	5	13	5	13
<p style="text-align: center;"><u>294</u></p> <p>April 15, 1941.</p>				<p style="text-align: center;"><u>340</u></p> <p>April 3, 1941.</p>			

Logs of W. P. A. test holes in Sterling County--Continued

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
<p><u>371</u> L. C. Clark tract, $12\frac{1}{2}$ miles southeast of Sterling City. Elevation, 2234.</p>				<p><u>378</u> L. C. Clark tract, $13\frac{1}{4}$ miles southeast of Sterling City. Elevation, 2237.00.</p>			
Surface soil	2	2	Surface soil	4	4		
Yellow clay	8	10	Gravel	26	30		
Caliche and gravel	15	25	Sandy clay	12	42		
Gravel	25	50	White lime	4	46		
Yellow clay	5	55	Gravel	36	82		
Gravel	21	76	Struck water at 46 feet, December 8, 1940.				
Struck water at 20 feet, December 18, 1940.							
<p><u>373</u> L. C. Clark tract, $13\frac{1}{4}$ miles southeast of Sterling City. Elevation, 2223.00.</p>				<p><u>379</u> L. C. Clark tract, $13\frac{1}{4}$ miles southeast of Sterling City. Elevation, 2254.00.</p>			
Surface soil	3	3	Surface soil	3	3		
Gravel	31	34	Clay	7	10		
Yellow clay	21	55	Gravel	15	25		
Gravel and clay	15	70	Clay	25	50		
Gravel, water	16	86	Gravel	20	70		
Struck water at 70 feet.				Clay	10	80	
				Lime	15	95	
				Clay and gravel	10	105	
				Struck water at 60 feet, December 8, 1940.			
<p><u>375</u> L. C. Clark tract, $13\frac{1}{2}$ miles southeast of Sterling City. Elevation, 2212.00.</p>				<p><u>408</u> Flat, J. T. Davis tract, $\frac{1}{2}$ mile southwest of Sterling City.</p>			
Surface soil	3	3	Surface soil	3	3		
Clay, gravel and boulders	62	65	Rusty brown clay	5	8		
Sand and gravel	13	78	Sandy tan clay	11	19		
December 9, 1940.				Bluish-gray clay	3	22	
				Struck water at $21\frac{1}{2}$ feet. Water level, 21 feet below land surface, 3 hours after hole completed. May 24, 1941.			
<p><u>376</u> L. C. Clark tract, $13\frac{3}{4}$ miles southeast of Sterling City. Elevation, 2199.00.</p>				<p><u>409</u> Flat, J. T. Davis tract, $\frac{1}{2}$ mile southwest of Sterling City.</p>			
Surface soil	2	2	Surface soil	3	3		
Gravel	38	40	Dark brown gumbo and clay	9	12		
Gray lime and rock	10	50	Gray clay	6	18		
Caliche	8	58	Gray clay with rust spots, water	3	21		
Brown lime	12	70	Gray clay and gravel	3	24		
Red clay	27	97	Struck water at 21 feet. Water level, 20 feet below land surface, 2 hours after hole completed. May 23, 1941.				
Struck water at 50 feet, December 9, 1940.							
<p><u>377</u> L. C. Clark tract, $13\frac{3}{4}$ miles southeast of Sterling City. Elevation, 2236.00.</p>							
Surface soil	4	4					
Gravel	16	20					
Sandy clay	10	30					
Clay and gravel	20	50					
Gravel and water	12	62					
White clay and gravel	13	75					
Struck water at 50 feet, December 8, 1941.							

Logs of W. P. A. test holes in Sterling County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>456</u>			<u>465--Continued</u>		
Flat, Sterling City tract, $\frac{1}{2}$ mile north-west.			Tan clay	2	10
Surface soil	3	3	Gravel	3	13
Tan clay	37	40	Sandy light-colored clay	5	18
Caliche	8	48	Sandy light-gray clay	2	20
Lime, rock, gravel and water	3	51	Brown clay	12	32
Tan clay	8	59	Gray sand	4	36
White lime	4	63	Gravel	2	38
Struck water at 51 feet. Water level, 51 feet below land surface, 14 hours after hole completed. May 13, 1941.			June 27, 1941.		
<u>465</u>			<u>520</u>		
Flat, C. J. Dunn tract, in Sterling City, $\frac{1}{4}$ mile northwest.			Flat, -- Edwards tract, $\frac{3}{8}$ mile north-east of Sterling City Courthouse.		
Surface soil	2	2	Surface soil	1	1
Brown loam	6	8	Brown loess	4	5
			Caliche and clay	10	15
			Caliche	20	35
			Sand and gravel	7	42
			February 27, 1941.		

Partial analyses of water from wells and springs in Sterling County, Texas

Analyzed at The University of Texas under the direction of E. W. Lohr and W. W. Hastings, Chemists, U. S. Department of the Interior, Geological Survey, and Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry. Results are in parts per million. Well numbers correspond to numbers in table of well records.

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (sum)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.)
b/ 7	D. D. Parramore	51	May 13, 1941	872	117	24	176	348	144	240	-	a/	391
9	do.	91	May 14, 1941	259	74	7.1	14	238	13	15	-	19	214
12	do.	58	May 13, 1941	366	87	9.2	41	293	29	50	0.6	4.5	256
14	do.	72	do.	269	-	-	-	250	23	20	-	a/	-
15	do.	117	do.	220	74	4.6	6.4	226	9	15	.5	a/	203
18	W. N. and L. R. Reed	132	Apr. 25, 1941	279	-	-	-	220	31	35	-	a/	-
b/ 19	do.	105	do.	212	-	-	-	201	13	18	-	a/	-
20	do.	140	do.	199	67	5.1	3.0	195	13	15	-	a/	188
29	J. C. Reed	110	June 21, 1941	224	72	5.8	5.8	214	12	17	-	6.0	204
31	J. T. Davis	52	May 16, 1941	397	-	-	-	305	39	59	-	a/	-
32	do.	50	do.	273	54	12	34	214	31	30	-	7.0	182
33	T. F. Foster, Jr.	127	June 27, 1941	275	71	7.8	23	250	18	20	.1	12	210
34	do.	30	do.	294	80	13	16	305	14	11	-	10	253
b/ 36	do.	100	do.	341	76	18	33	323	20	30	-	5.0	261
37	do.	69	do.	312	86	13	17	305	21	20	-	5.0	268
b/ 38	J. T. Davis	60	Apr. 23, 1941	251	75	12	6.7	268	8	17	.3	a/	238
41	do.	119	May 16, 1941	225	61	11	13.4	250	9	7.0	.5	a/	197
43	J. C. Reed	128	June 20, 1941	310	58	23	28	293	18	17	-	22	239
45	J. T. Davis	92	May 16, 1941	394	94	17	23	287	31	26	-	62	305
46	do.	82	do.	697	100	12	150	336	89	180	.6	a/	297
47	do.	60	do.	255	58	13	22	232	18	22	-	8.0	198
49	do.	54	do.	309	-	-	-	256	31	35	-	a/	-
50	do.	40	do.	333	53	26	40	305	31	33	-	a/	241
b/ 63	G. H. McEntire	120	June 30, 1941	318	71	15	34	329	22	14	-	a/	239
69	W. N. and L. R. Reed	90	Apr. 25, 1941	379	85	15	41	323	35	43	.7	a/	274
71	J. S. Cole	71	May 14, 1941	225	-	-	-	256	4	2.0	-	5.0	-
72	G. H. McEntire	60	June 30, 1941	318	-	-	-	287	23	32	-	a/	-

a/ Less than 20 parts per million.

b/ Analyses of water from selected wells and a spring are given in milligram equivalents per liter on page 58.

Partial analyses of water from wells and springs in Sterling County--Continued

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (sum)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.)
73	G. H. McFintire	89	June 30, 1941	278	-	-	-	232	27	32	-	a/	-
74	do.	73	do.	235	52	21	9.0	226	18	24	-	a/	218
76	do.	63	do.	458	81	24	59	293	54	91	-	4.5	300
77	Pete Allerd	45	June 20, 1941	550	101	9.5	100	445	50	56	.4	14	241
78	J. C. Reed	58	June 10, 1941	389	-	-	-	342	31	33	-	10	-
79	do.	100	June 20, 1941	511	104	20	59	403	39	56	1.0	24	343
83	do.	90	do.	295	60	23	22	275	13	31	-	11	244
b/ 86	J. T. Davis	70	May 22, 1941	270	-	-	-	293	8	12	-	a/	-
87	do.	102	do.	261	46	24	23	275	15	18	-	a/	215
91	do.	76	do.	921	108	69	129	390	226	190	1.3	6.0	552
94	do.	72	May 23, 1941	304	-	-	-	305	14	22	-	a/	-
b/ 97	do.	104	do.	310	68	24	20	311	20	24	1.0	a/	270
99	do.	82	do.	352	-	-	-	342	18	30	-	a/	-
100	W. L. Foster, Jr.	94	June 18, 1941	422	58	43	43	354	27	57	-	20	322
111	J. T. Davis	66	May 23, 1941	272	79	19	.9	311	12	8.0	-	a/	277
112	do.	111	do.	305	70	30	7.8	342	13	16	-	a/	299
114	do.	100	do.	310	69	32	4.6	293	26	34	-	a/	305
116	do.	85	May 22, 1941	265	43	25	23	244	23	19	-	12	211
117	do.	90	May 23, 1941	225	45	25	7.1	232	17	17	-	a/	216
119	do.	70	do.	214	44	20	12	226	13	14	-	a/	193
120	do.	142	do.	227	47	27	4.8	244	13	14	1.3	a/	226
b/121	Prebble Durham	240	June 13, 1941	335	-	-	-	281	31	24	-	18	-
124	H. G. Garlington	232	June 12, 1941	250	-	-	-	238	27	11	-	a/	-
125	Mrs. W. G. Welch	242	June 13, 1941	235	30	30	19	226	18	19	1.5	6.0	198
126	J. R. Welch	219	do.	244	42	22	22	232	17	20	-	7.0	193
129	W. R. Davis	281	do.	361	68	27	33	305	27	51	-	5.0	282
134	C. R. Knight	35	June 11, 1941	500	62	43	66	372	62	60	.9	23	332
b/136	-- Johnson	16	May 29, 1941	321	34	29	48	293	27	13	-	26	203
b/142	L. R. Knight	Spring	June 10, 1941	463	74	45	44	433	47	38	2.0	a/	367
147	Boyd Jacoby	230	June 12, 1941	249	48	17	25	244	27	12	-	a/	190
148	H. G. Garlington	261	do.	264	-	-	-	220	25	20	1.9	12	-

a/ Less than 20 parts per million.

b/ Analyses of water from selected wells and a spring are given in milligram equivalents per liter on page 58.

Partial analyses of water from wells and springs in Sterling County--Continued

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (sum)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.)
149	M. M. Barrett Est.	219	June 11, 1941	245	31	25	28	220	27	19	-	7.0	180
150	Riley J. Welch	224	June 12, 1941	244	30	30	22	226	27	24	-	a/	199
152	C. J. Copeland	212	June 11, 1941	239	-	-	-	201	27	14	1.6	9.0	-
156	do.	89	Apr. 1, 1941	251	61	14	20	281	8	9.0	.6	a/	208
b/157	S. M. King	91	do.	286	70	17	16	293	10	11	-	18	246
b/163	J. P. Gressett	100	do.	664	140	59	20	305	25	232	-	38	591
166	R. M. Woods	110	do.	397	71	32	40	390	31	31	-	a/	310
169	Lee and Stringer	110	Mar. 31, 1941	533	65	65	50	427	31	109	-	3.0	430
172	J. P. Gressett	99	do.	407	75	39	28	366	27	55	.6	2.5	349
b/176	C. A. Broome	51	do.	491	89	48	33	451	47	51	-	.8	420
185	T. E. Satterwhite	51	do.	616	91	47	75	427	105	85	-	3.0	419
b/187	W. L. Foster	61	June 9, 1941	538	72	47	68	415	69	78	-	a/	374
195	Montvale Cemetery	82	June 18, 1941	376	-	-	-	329	31	36	-	5.0	-
222	Robert Foster	94	Apr. 3, 1941	301	64	26	16	281	27	30	-	a/	266
b/228	Foster Cemetery	62	May 20, 1941	360	90	29	11	390	17	21	-	a/	343
232	R. T. Foster	86	do.	290	65	27	12	323	15	12	-	a/	271
235	do.	120	do.	287	-	-	-	311	13	9.0	-	a/	-
236	W. L. Foster	120	Apr. 10, 1941	232	41	25	14	238	15	14	-	5.0	205
238	A. D. Myer	85	do.	294	72	28	2.3	299	17	28	-	a/	297
241	Lee Hunt	82	do.	321	58	36	18	336	17	27	-	a/	292
243	D. C. Durham	110	Apr. 2, 1941	285	67	31	.5	311	17	16	-	a/	294
249	A. F. Blue	46	Apr. 10, 1941	805	95	55	120	421	212	109	-	7.0	464
251	H. K. Ray	38	do.	426	70	37	47	433	22	37	-	a/	328
252	W. W. Durham	34	do.	961	112	66	144	451	264	152	1.3	a/	551
b/258	N. H. Reed	44	June 10, 1941	478	33	24	118	360	35	51	-	40	180
260	John C. Reed	46	do.	393	-	-	-	329	27	51	-	14	-
262	G. H. McEntire	60	June 30, 1941	532	88	41	52	378	96	62	-	7.0	390
264	do.	53	do.	338	64	32	24	348	27	19	1.0	a/	290
265	do.	51	do.	379	-	-	-	360	27	29	-	a/	-
b/267	do.	121	do.	227	49	22	8.3	238	18	13	-	a/	214
271	W. N. and L. R. Reed	90	Apr. 30, 1941	232	17	21	15	244	15	14	-	a/	203
272	G. H. McEntire	44	June 30, 1941	340	50	20	49	311	31	31	-	a/	223
273	do.	50	Apr. 18, 1941	289	55	15	37	244	25	35	.7	a/	199

a/ Less than 20 parts per million.

b/ Analyses of water from selected wells and a spring are given in milligram equivalents per liter on page 58.

Partial analyses of water from wells and springs in Sterling County--Continued

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (sum)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.) ³
274	W. N. and L. R. Reed	105	Apr. 30, 1941	343	88	25	11	342	20	31	-	a/	320
275	do.	120	do.	283	-	-	-	256	20	21	-	8.8	-
277	do.	90	do.	487	81	31	58	323	76	72	1.1	8.6	329
280	do.	113	do.	273	-	-	-	281	17	12	-	a/	-
281	M. Rumsey	100	do.	280	74	17	9.4	281	1.8	15	-	8.6	256
282	W. N. and L. R. Reed	133	do.	244	57	22	6.9	256	16	16	-	a/	234
287	F. S. Price	125	Apr. 17, 1941	334	72	27	20	342	29	18	-	a/	292
288	do.	101	do.	288	77	24	2.8	323	12	13	-	a/	290
296	C. C. Reynolds	110	Apr. 14, 1941	280	48	26	27	299	16	16	-	a/	226
298	H. Bade	90	Apr. 18, 1941	677	101	48	79	366	159	110	-	a/	450
301	do.	138	do.	354	74	35	16	366	17	25	.9	6.0	326
303	H. M. Mills	110	do.	288	50	28	19	238	39	35	-	a/	243
305	do.	212	do.	218	37	25	12	195	23	24	.8	a/	195
b/306	H. Bade	24	do.	816	124	60	81	348	233	140	1.2	6.0	557
b/313	J. L. Glass	100	Apr. 17, 1941	435	62	37	51	336	70	50	-	a/	308
316	do.	124	do.	232	41	25	14	232	18	20	-	a/	205
319	do.	216	do.	292	32	28	35	195	51	32	1.5	16	198
320	J. I. Cope	250	Apr. 4, 1941	214	31	25	19	226	14	14	.8	a/	180
b/321	do.	259	do.	405	59	32	48	317	66	34	-	10	280
323	Mrs. G. R. Hull	180	do.	260	43	25	23	238	20	32	-	a/	210
b/328	Mrs. Sallie Fox	124	Apr. 3, 1941	441	85	23	49	311	43	72	.4	16	266
338	T. F. Foster	77	do.	284	68	21	14	317	15	10	-	a/	258
342	Rufus W. Foster	60	Apr. 2, 1941	482	93	38	34	397	62	42	-	18	389
345	do.	164	do.	289	61	31	-	305	3	18	.8	0	279
b/364	L. F. Hodges	75	do.	276	73	21	6.4	305	13	13	-	a/	268
b/381	Harris Ranch	80	July 8, 1941	569	118	25	64	488	16	52	-	54	395
383	do.	85	do.	265	-	-	-	281	15	9.0	-	a/	-
384	do.	90	do.	298	68	25	15	323	17	13	.5	a/	270
b/392	do.	102	do.	209	56	18	.70	238	8	9.0	.5	a/	216
b/394	Harris Estate	151	do.	254	58	24	6.4	262	25	10	1.6	a/	245
b/401	H. F. Merrell	42	Mar. 3, 1941	902	100	69	130	427	226	155	1.2	11	532
403	Henry Davis	55	do.	960	112	76	130	409	218	220	-	3.0	592

a/ Less than 20 parts per million.

b/ Analyses of water from selected wells and a spring are given in milligram equivalents per liter on page 58 .

Partial analyses of water from wells and springs in Sterling County--Continued

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (sur.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.) ³
405	C. T. Sharp	64	Mar. 3, 1941	1,234	136	96	168	415	350	280	-	a/	734
407	J. T. Davis	60	do.	2,020	194	163	291	445	552	600	1.0	a/	1,155
410	W. R. Hudson	50	July 10, 1941	805	78	66	123	427	177	129	-	22	466
411	Leo. Mercer	60	do.	1,356	127	109	203	439	365	328	-	7.6	767
412	Baptist Church	59	May 6, 1941	1,240	124	93	192	439	311	295	1.3	7.5	692
413	J. T. Davis	60	do.	1,247	-	-	-	390	329	295	-	a/	-
414	R. A. Garrett	70	Mar. 24, 1941	1,034	98	85	157	366	253	260	1.2	.0	592
416	Tommy Humble	61	do.	1,101	128	85	152	451	260	250	-	4.0	667
417	John Cole	66	do.	1,418	156	102	277	384	369	395	-	.0	808
418	R. E. Cole	60	do.	1,879	185	149	267	415	525	545	-	4.0	1,077
419	Mrs. Tillie Martin	60	May 6, 1941	1,524	184	109	210	372	319	510	-	9.0	907
420	A. C. Pearson	65	do.	2,789	282	274	399	354	855	870	.7	3.8	1,546
421	A. V. Braeuer	69	do.	1,789	212	138	224	390	467	550	-	6.0	1,100
423	Lee Reed	64	May 12, 1941	1,509	-	-	-	439	467	312	-	a/	-
424	C. C. Reynolds	55	May 6, 1941	1,516	184	109	200	427	416	390	1.1	5.5	907
425	M. Black	50	Mar. 24, 1941	1,219	138	94	164	427	327	280	-	6.3	733
426	Z. L. Potts	71	May 6, 1941	1,086	146	87	125	421	226	290	1.0	4.4	724
427	John Reed	60	do.	1,165	149	98	134	421	227	330	1.1	19	775
428	L. F. Wallace	60	do.	1,792	176	117	280	415	428	450	-	137	922
429	Green Williams	50	July 11, 1941	-	-	-	-	-	434	388	-	.0	-
430	Joe Emery	65	do.	1,628	-	-	-	366	445	440	-	7.0	-
433	O. A. Blue	63	do.	2,345	148	187	413	476	672	645	1.7	44	1,141
434	Fay Cook	61	July 10, 1941	1,144	-	-	-	384	280	266	-	12	-
435	Joe Elliott	72	do.	793	-	-	-	390	173	146	-	a/	-
436	M. Williams	63	do.	1,243	124	104	172	403	326	304	1.00	14	739
437	Mrs. Rachael Crawford	67	July 11, 1941	1,908	-	-	-	421	499	525	-	26	-
438	Church of Christ	73	July 2, 1941	937	-	-	-	409	228	178	-	1.5	-
439	Presbyterian Church	60	Apr. 2, 1941	1,191	136	100	152	384	255	350	1.0	8.0	752
440	Mrs. Neal Reed	83	May 6, 1941	1,158	-	-	-	415	257	290	-	a/	-
442	Mrs. J.B. Atkinson	93	July 2, 1941	1,283	157	110	151	390	262	405	1.2	5.0	843
443	Mrs. W. L. Emery	61	do.	5,528	455	417	875	488	1,602	1,855	1.8	82	2,852
444	J. S. Cotton	70	July 1, 1941	2,717	248	212	391	479	888	755	-	22	1,491
445	J. W. Phillips	56	May 6, 1941	1,224	-	-	-	409	280	310	-	6.0	-

a/ Less than 20 parts per million.

b/ Analyses of water from selected wells and a spring are given in milligram equivalents per liter on page 58.

Partial analyses of water from wells and springs in Sterling County--Continued

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (sum)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.) ³
446	Larkin Longshore	59	May 6, 1941	2,929	249	225	466	397	789	1,000	1.0	3.8	1,549
447	Mrs. R. Lowe, Sr.	60	June 30, 1941	3,515	321	295	484	293	1,003	1,260	1.8	6.0	2,017
449	W. N. Reed	85	June 23, 1941	1,545	194	129	177	378	320	530	1.2	8.0	1,015
451	Claude Collins	70	May 12, 1941	1,586	177	127	205	354	404	485	1.0	13	963
452	J. S. Cole	60	do.	1,902	-	-	-	409	552	500	-	2.0	-
454	H. Tweedle	62	do.	1,839	-	-	-	415	645	370	-	5.0	-
455	Clell Ainsworth	60	do.	2,227	184	171	350	433	723	570	1.2	15	1,166
458	Public School	70	do.	1,746	195	143	216	311	467	565	-	7.0	1,073
460	C. A. Bowen	60	June 26, 1941	1,694	194	143	208	360	370	595	-	7.0	1,073
462	F. W. Cole	76	June 23, 1941	1,824	-	-	-	342	313	690	-	16	-
463	Dan Ritter	63	June 26, 1941	1,609	177	131	209	384	409	490	-	4.0	981
464	C. J. Dunn	59	do.	3,917	378	335	522	378	1,003	1,485	1.8	6.0	2,321
467	E. B. Butler	112	July 2, 1941	931	100	72	139	354	197	245	1.2	3.0	544
468	do.	67	do.	1,848	-	-	-	384	425	595	-	.5	-
469	D. P. Glass	71	do.	1,400	198	117	133	384	336	425	-	1.6	977
470	W. Y. Benge	110	do.	1,098	-	-	-	268	266	320	-	.5	-
471	W. J. Swan	100	do.	3,614	280	266	614	415	973	1,230	2.0	45	1,794
472	F. M. Williams	65	July 3, 1941	1,373	154	107	187	378	315	415	1.3	8.0	826
b/473	Mrs. Bessie Reed	60	July 11, 1941	3,036	220	237	508	616	960	780	1.8	26	1,526
475	R. L. Lowe	59	do.	2,208	-	-	-	604	445	675	-	20	-
476	-- Pierce	65	July 10, 1941	1,034	-	-	-	415	204	208	-	60	-
477	Mrs. Allie Foster	75	do.	755	84	61	106	403	169	127	-	10	463
479	E. L. Bailey	78	July 11, 1941	789	-	-	-	384	161	149	-	10	-
480	do.	80	do.	5,636	514	416	839	464	1,862	1,760	2.1	15	2,996
481	Mike Slaton	60	do.	760	76	67	105	305	173	188	-	.5	467
482	Vernon Davis	82	do.	1,334	139	98	201	421	334	345	-	10	750
b/483	Sterling County	67	do.	1,424	-	-	-	409	384	340	-	10	-
485	A. A. Rutherford	50	do.	814	114	61	99	458	169	142	-	4.0	538
486	J. C. Alsop	65	do.	1,526	-	-	-	415	422	350	-	31	-
487	Henry Malloy	78	do.	2,154	177	177	318	445	722	510	-	31	1,169
488	Mrs. Helen Lysles	58	do.	802	-	-	-	378	192	140	-	1.0	-
489	Lene Findt	79	do.	755	91	65	93	384	169	145	-	3.0	495
490	Lene Findt, Jr.	63	do.	749	110	61	75	390	161	138	-	12	528

a/ Less than 20 parts per million.

b/ Analyses of water from selected wells and a spring are given in milligram equivalents per liter on page 53.

Partial analyses of water from wells and springs in Sterling County—Continued

Results are in parts per million

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (sum)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na+ K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.)
b/491	Sterling County	90	July 10, 1941	1,310	156	109	159	439	334	331	1.8	3.0	837
495	H. M. Knight	64	July 3, 1941	2,945	-	-	-	473	872	860	-	26	-
497	Slayton Est.	62	July 2, 1941	2,105	209	159	306	409	576	630	-	24	1,178
498	E. B. Butler	70	July 3, 1941	1,744	184	144	228	360	448	555	-	8.0	1,054
499	Dan Ritter	69	do.	3,530	287	290	555	409	1,016	1,190	-	1.2	1,868
501	D. C. Durham	70	June 23, 1941	860	126	76	85	390	116	260	.8	4.0	627
503	-- Allen	58	do.	1,837	-	-	-	354	367	655	-	2.0	-
504	Mrs. John R. Welch	62	June 26, 1941	1,107	149	96	116	366	208	356	-	2.0	769
505	T. A. Revell	71	June 23, 1941	1,085	162	90	100	372	239	310	.7	.0	776
507	John Walraven	56	June 25, 1941	1,676	182	122	216	354	409	500	1.0	2.0	955
510	W. E. Tidwell	90	July 11, 1941	3,300	369	267	417	421	783	1,240	1.2	16	2,020
511	W. F. Kellis	51	do.	1,194	123	97	166	415	307	275	-	22	705
512	O. W. Findt	72	do.	837	69	64	150	397	192	167	-	.0	434
513	Harman Everett	59	do.	1,590	-	-	-	397	326	510	-	4.0	-
514	W. L. Foster	83	do.	1,230	152	103	138	415	326	290	-	17	803
515	Mrs. J. T. Thompson	67	do.	868	-	-	-	397	192	170	-	4.0	-
516	M. E. Church	65	July 4, 1941	3,000	-	-	-	366	684	1,080	-	32	-
517	C. J. Blair	75	do.	2,974	284	243	417	427	806	1,005	.8	8.0	1,710
518	John Purris	46	do.	1,634	145	108	274	470	530	310	-	36	807
519	T. H. Murrell	62	June 26, 1941	1,409	-	-	-	360	282	450	-	8.0	-
521	J. M. Cass	76	June 23, 1941	647	111	58	52	397	54	172	-	5.0	516
523	O. M. Cole	70	do.	934	-	-	-	427	166	208	-	18	-
524	W. L. Foster	82	July 4, 1941	1,414	161	117	181	342	300	480	-	7.0	882
525	Mrs. -- Stockton	65	do.	2,830	-	-	-	421	737	900	-	25	-
526	The State of Texas	50	Mar. 3, 1941	2,211	259	172	273	354	568	745	.9	19	1,356
527	Mrs. S.T. Walraven	61	July 4, 1941	866	120	80	86	384	119	260	1.7	9.5	630
528	A. W. Dearen	66	June 26, 1941	1,446	222	123	131	287	228	560	1.0	40	1,011
530	J. L. Glass	69	June 23, 1941	468	77	42	40	323	58	84	1.5	6.0	366
531	W. H. Sparkman	75	do.	463	79	42	37	336	50	84	-	6.0	371
532	Homer Pierce	68	do.	677	-	-	-	372	123	118	-	10	-
533	Rodgers Hefley	52	Apr. 21, 1941	530	79	48	47	329	124	70	-	a/	395
b/534	Mrs. W. H. Stone	61	July 4, 1941	850	-	-	-	409	142	198	-	3.0	-
535	Mrs. M. Z. House	70	June 23, 1941	618	75	51	84	232	77	216	.9	.2	396
536	M. W. Smith	65	July 4, 1941	534	96	49	37	354	50	122	1.2	4.5	440
538	Sterling City	50	do.	945	-	-	-	451	215	150	-	27	-

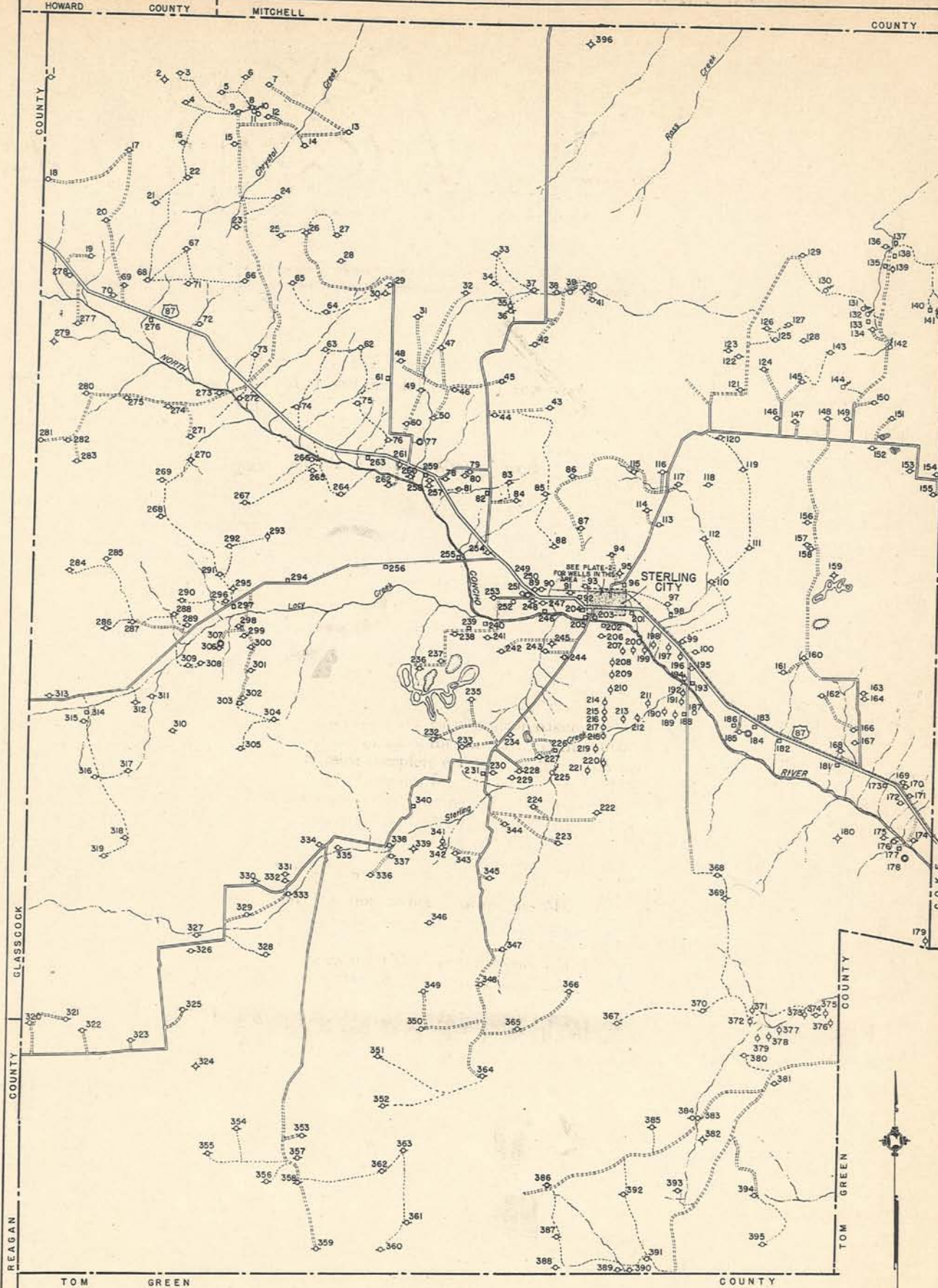
a/ Less than 20 parts per million.

b/ Analyses of water from selected wells and a spring are given in milligram equivalents per liter on page 58.

Chemical Analyses--Continued

Results are in milligram equivalents per liter

Well	Owner	Depth of well (ft.)	Date of collection	Total hardness as CaCO ₃ (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)
7	D. D. Parramore	51	May 13, 1941	7.82	5.86	1.96	7.65	5.70	3.00	6.77	-	-
19	W.N. and L.R. Reed	105	Apr. 25, 1941	-	-	-	-	3.30	.27	.51	-	-
30	T. E. Foster, Jr.	100	June 27, 1941	5.22	3.78	1.44	1.43	5.30	.42	.85	-	.08
38	J. T. Davis	60	Apr. 23, 1941	4.76	3.74	1.02	.29	4.40	.17	.48	.02	-
63	G. H. McEntire	120	June 30, 1941	4.78	3.54	1.24	1.47	5.40	.46	.39	-	-
86	J. T. Davis	70	May 22, 1941	-	-	-	-	4.80	.17	.34	-	-
97	do.	104	May 23, 1941	5.40	3.42	1.98	.85	5.10	.42	.68	.05	-
121	Prebble Durham	240	June 13, 1941	-	-	-	-	4.60	.64	.68	-	.29
136	-- Johnson	16	May 29, 1941	4.06	1.68	2.38	2.09	4.80	.56	.37	-	.42
142	L. R. Knight	Spring	June 10, 1941	7.34	3.68	3.66	1.91	7.10	.97	1.07	.11	-
157	S. M. King	91	Apr. 1, 1941	4.92	3.50	1.42	.69	4.80	.21	.31	-	.29
153	J. P. Gressett	100	do.	11.82	6.98	4.84	.85	5.00	.52	6.54	-	.61
176	C. A. Broome	51	Mar. 31, 1941	8.40	4.46	3.94	1.42	7.40	.97	1.44	-	.01
187	W. L. Foster	61	June 9, 1941	7.48	3.62	3.86	2.97	6.80	1.45	2.20	-	-
228	Foster Cemetery	62	May 20, 1941	6.86	4.48	2.38	.48	6.40	.35	.59	-	-
258	N. H. Reed	44	June 10, 1941	3.60	1.64	1.96	5.11	5.90	.72	1.44	-	.65
267	G. H. McEntire	121	June 30, 1941	4.28	2.44	1.84	.36	3.90	.37	.37	-	-
306	H. Bade	24	Apr. 18, 1941	11.14	6.20	4.94	3.53	5.70	4.86	3.95	.06	.10
313	J. L. Glass	100	Apr. 17, 1941	6.16	3.03	3.08	2.21	5.50	1.46	1.41	-	-
321	J. I. Cope	259	Apr. 4, 1941	5.60	2.96	2.64	2.10	5.20	1.38	.96	-	.16
328	Mrs. Sallie Fox	124	Apr. 3, 1941	6.18	4.26	1.92	2.12	5.10	.89	2.03	.02	.26
364	L. F. Hodges	75	Apr. 2, 1941	5.36	3.64	1.72	.28	5.00	.27	.37	-	-
381	Harris Ranch	80	July 8, 1941	7.90	5.88	2.02	2.77	8.00	.33	1.47	-	.87
392	do.	102	do.	4.32	2.82	1.50	.03	3.90	.17	.25	.03	-
394	Harris Est.	151	do.	4.90	2.90	2.00	.28	4.30	.52	.28	.08	-
401	H. F. Merrell	42	Mar. 3, 1941	10.64	5.00	5.64	5.67	7.00	4.70	4.37	.06	.18
473	Mrs. Bessie Reed	60	July 11, 1941	30.52	11.00	19.52	22.09	10.10	20.00	22.00	.09	.42
483	Sterling County	67	do.	-	-	-	-	6.70	8.00	9.59	-	.16
491	do.	90	July 10, 1941	16.74	7.78	8.96	6.90	7.20	6.96	9.34	.09	.05
534	Mrs. W. H. Stone	61	July 4, 1941	-	-	-	-	6.70	2.96	5.58	-	.05



- EXPLANATION —
- WELL WITH HAND PUMP, BUCKET OR BAILER
 - ◊ WELL WITH WINDMILL OR SMALL POWER PUMP
 - ⊕ WELL WITH PUMPING PLANT — 5 HORSE POWER OR LARGER
 - ◇ WELL DRILLED TO TEST FOR OIL OR GAS
 - ◇ UNUSED WELL
 - SPRING
 - TEST WELL DRILLED BY W.P.A. LABOR

MAP OF STERLING COUNTY, TEXAS.
SHOWING WATER WELLS AND SPRINGS

SCALE
 0 1 2 3 4 5 6 MILES

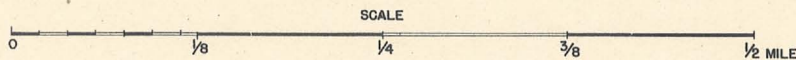
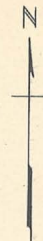
BASE COMPILED FROM
 LAND OWNERSHIP MAP
 HIGHWAY PLANNING SURVEY COUNTY ROAD MAP
 AND FIELD NOTES

FIELD WORK BY
 J. C. DALGARN
 PROJECT SUPERINTENDENT
 W.P.A. PROJECT 17526

TEXAS BOARD OF
 WATER ENGINEERS
 IN COOPERATION WITH
 U.S. GEOLOGICAL SURVEY

MAP OF STERLING CITY, TEXAS.

SHOWING WATER WELLS



FOR EXPLANATION SEE PLATE 1.

G. C. & S. F. R. R.

