TEXAS

STATE BOARD OF WATER ENGINEERS
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SAN SABA COUNTY, TEXAS

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

Work Projects Administration Project 10444

Analyses made and report mimeographed by
WORKS PROJECTS ADMINISTRATION
Project 10443

Sponsored by the State Board of Water Engineers with the United States Department of the Interior, Geological Survey, and the Bureau of Industrial Chemistry of The University of Texas cooperating.

August 1939

SAN SABA COUNTY, TEXAS

This publication contains data obtained in the course of a survey in San Saba County, Texas, consisting of records of wells and springs, logs of wells and test holes, and analyses of water from wells and springs. The locations of all wells, springs, and test holes listed are shown on the map on page 50.

This survey was a part of the Statewide inventory of water wells sponsored by the State Board of Water Engineers in cooperation with the United States Department of the Interior, Geological Survey. It was started August 27, 1938, and completed March 18, 1939. G. H. Shafer was project superintendent. The office of the Works Projects Administration in Austin gave valuable aid to the project, and the city of San Saba and the San Saba County Commissioners' Court cooperated by furnishing transportation for the workers.

A number of the larger springs in the county were measured with a current meter by H. W. Albert, Hydrographer, Surface-Water Division, United States Geological Survey.

The analyses were made by chemists employed on Works Projects Administration project 10443 under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry of The University of Texas, and E. W. Lohr, Chemist, of the Quality of Water Division of the Geological Survey; the Bureau of Industrial Chemistry furnished laboratory space and equipment. This release was typed by typists employed on that project.

The records serve as a guide to land owners, well drillers and others who need information regarding springs and wells, the depth to ground water in different parts of the county, and the quantity and chemical character of water yielded by both springs and wells. They afford a basis for the more intensive investigation that is now being carried on by the State Board of Water Engineers in cooperation with the Geological Survey. The purpose of this investigation is to determine the distribution and extent of the available ground-water supplies.

Records of wells and springs in San Saba County, Texas
(All wells are drilled unless otherwise noted in "Remarks" column.)
(See "Logs of W. P. A. test wells" for all records of test wells.)

No.	Distance from San Saba	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
d/ 1	26½ miles northwest	C. L. B. Tyler	Prairie Oil & Gas Co.	--	--	1,325	--	--
2	26 miles northwest	Mrs. T. J. Singleton	--	Gentle slope	1908	110	--	1
3	25⅔ miles northwest	Mrs. J. E. Deeds	Donald Dyer	do.	1929	41	6	0.4
4	25 miles northwest	Great Southern Life Ins. Co.	H. H. Virdell	Flat	1938	200	6	0.7
5	23½ miles northwest	--	--	Bank of creek	--	Spring	--	--
6	23 miles northwest	Garret Burk	-- Woolsey	Hillside	1925	500	--	0.3
8	24 miles northwest	-- Hardeman	--	do.	--	--	--	--
9	23⅓ miles northwest	G. R. Armentrout	J. M. Virdell	Gentle slope	1908	287	6	1
10	22½ miles northwest	N. J. Hall	do.	do.	1928	500	5	1.4
12	20½ miles west	Town of Hall	Texas Relief Commission	Top of ridge	1934	178	6	--
d/ 13	do.	--	--	Slope to creek	--	--	6	0.8
14	20 miles west	-- Parker	Woolsey Bros.	Hilltop	--	563	6	--
15	19 miles west	W. J. Lewis	Newby & Virdell	Edge of draw	1923	236	--	--
16	17½ miles west	W. H. Gibbons	J. C. Virdell	Top of ridge	1921	1,536	6	--
d/ 17	do.	do.	do.	Flat	1933	1,022	6-5/8	1
18	19 miles west	M. M. Leach & -- Hall	--	Bed of creek	--	Spring	--	--
19	do.	do.	J. C. Virdell	Edge of bluff	1938	770	6	0.2
20	18½ miles west	do.	--	In valley	--	Spring	--	--
21	do.	do.	--	Edge of lake	--	279	--	--
22	20 miles northwest	L. W. Horne	Woolsey & Knutson	Gentle slope	--	200	--	--
23	19½ miles northwest	Ben Lucas	-- Powell	do.	1928	190	6	1.4
d/ 24	19 miles northwest	Lakeview Community	Woolsey Bros.	In valley	1934	782	6-1/8	--
25	17½ miles northwest	Mrs. J. W. King	J. M. Virdell	Edge of creek	Old	166	6	0

a/ Measuring point was usually top of casing, top of well curb or top of pipe clamp; it was above ground level unless indicated by (-) sign for below ground level.

b/ B, bucket; C, cylinder; W, windmill; T, turbine; G, gasoline; E, electric; H, hand; number indicates horsepower.

c/ D, domestic; S, stock; I, irrigation; Ind, industrial; P, public; N, not used

Records obtained by George H. Shafer, Project Superintendent
(Chemical analysis from these wells are in the table of analysis.)

No.	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
1	--	--	None	N	Oil test. Reported altitude, 1,368 feet. See log.
2	64.7	Oct. 18, 1938	C,H	D,S	Reported strong supply.
3	34.7	do.	C,H	N	Reported 150 feet deep with first water at 22 feet and second at 125 feet measured only 41 feet deep, probably caved.
4	68.6	do.	C,W	D	Reported strong supply.
5	Flows	do.	None	D,S	Reported flow, 1 gallon an hour from sandstone and clay. Temperature, 69° F. Known as "Chamberlain Hollow Spring."
6	169.7	do.	C,W	D,S	Reported strong supply.
8	--	--	C,W,G, 1½	S	Estimated yield, one gallon a minute.
9	97.8	Oct. 14, 1938	C,W	D,S	Struck water at 100 feet. Pump set at 140 feet. Cased to 40 feet. Reported weak supply.
11	21.6	do.	B,H	D	Struck water at 67 feet; black shale from 67 to 500 feet. Reported weak supply.
12	--	--	C,W	P,S	Reported strong supply. See log.
13	15.6	Oct. 14, 1938	C,W	D,S	Located 80 feet east of well 12.
14	90	e/	C,W,G, --	D,S	Reported strong supply from 550 feet. Cased to 16 feet.
15	60	e/	C,W,G, --	D,S	Reported yield, 20 gallons a minute for one hour with little drawdown. Struck first water at 150 feet, second water, 190 to 197 feet.
16	200+	e/	C,W	S	Steel casing. Reported strong supply.
17	50.7	Oct. 24, 1938	C,W	S	Oil test, now producing water. Reported altitude, 1,640 feet. See log.
18	--	do.	None	S	Water from gravel in creek bed and bank. Reported weak supply. Temperature, 68° F.
19	73.7	do.	C,W	S	Cased to 190 feet. See log.
20	Flows	do.	None	S,I	Water from many seeps in limestone. f/ Measured flow, 1,100 gallons a minute. Temperature, 72° F. Supplies water for 23 acre lake. Known as "The Big Spring."
21	Flows	do.	C,W	D,S	Estimated flow, 20 gallons a minute. Reported ceases flow in dry season.
22	105	e/	C,W	D	Struck water at 80 feet. Reported weak supply.
23	12[illegible].8	Oct. 17, 1938	B,H	D,S	Reported weak supply.
24	20±	d/	C,W	N	Reported weak supply. See log.
25	5.9	Oct. 17, 1938	C,W	D,S	10 feet of galvanized casing at top. Reported strong supply.

d/ No water sample collected for analysis.
e/ Water level reported.
f/ Current meter measurement by engineers of Geological Survey, U.S.D.I.
g/ Weir measurement by project superintendent.

Records of wells and springs in San Saba County--Continued

No.	Distance from San Saba	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
26	16½ miles northwest	Geo. Wilton	--	Edge of creek	Old	100	6	1.5
27	16 miles northwest	Mrs. Mary Winkel	--	In valley	1918	10	60	0.8
28	17½ miles northwest	-- Christian	--	Flat	--	200+	10	0.9
29	19½ miles northwest	A. B. Swinney	-- Hanna	Gentle slope	--	115	6	0
30	do.	Mrs. M. F. Rushing	Webb & Webb Co.	Top of ridge	1926	750	--	--
31	20½ miles northwest	Bowser School Dist.	Wiley Knutson	do.	1926	175	6	--
d/ 32	21 miles northwest	Ed. Cowart	Ed. Cowart	do.	--	955	6	--
33	do.	do.	do.	do.	1938	196	6	1
34	18 miles northwest	C. J. Cummings	Coline Oil Co.	In draw	1918	1,380	--	--
d/ 35	17½ miles northwest	-- Graves	John Groce	--	--	1,000	--	--
36	16 miles northwest	Locker School Dist.	Texas Relief Commission	Slope	1934	360	--	--
37	17 miles northwest	H. L. Locker	-- Collins	Top of ridge	Old	249	--	3
38	do.	--	--	Hillside	--	109	--	1.3
39	16 miles northwest	E. A. Taylor	S. E. Owens	Gentle slope	1900	118	8	0.9
40	17½ miles northwest	J. M. Hatherly	Royal Duke Oil Co.	do.	1918	1,888	--	--
41	15 miles northwest	Jason Procter	--	Bottom of draw	--	15	60	3
42	13½ miles northwest	L. A. Ivy	Wiley Knutson	Near draw	1930	100	--	0.4
43	12½ miles northwest	Mrs. Hattie Carter	--	Slope	--	101	10	1.6
44	do.	J. F. Templeton	--	Bottom of draw	--	9	--	0
45	do.	W. E. Carroll	Wiley Knutson	Top of ridge	1929	144	6	1.7
d/ 46	12 miles northwest	W. C. Locker	-- Van Rossum	Slope	1933	605	--	--
d/ 47	10 miles northwest	Town of Algerita	Texas Relief Commission	Top of ridge	1934	400	6	--
48	11 miles northwest	R. Turner	--	do.	--	200+	8	0.2
49	15 miles northwest	J. R. Severs	--	Slope	--	125	--	--
50	15½ miles northwest	L. B. Skelton	--	do.	Old	120	6	1.2
51	14½ miles northwest	Mrs. W. W. Edmondson	--	Top of ridge	--	110	--	2.3
52	do.	Jess B. Coffee	--	do.	--	150	--	--

George H. Shafer, Project Superintendent

No.	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
26	18.6	Nov. 1, 1938	C,W	S,I	Reported 46.4 feet drawdown after pumping 2½ to 3 gallons a minute for 35 minutes.
27	6.5	do.	C,W	D,S	Dug well. Reported strong supply.
28	65.5	do.	B,H	D,S	Three feet of steel casing at top. Reported weak supply.
29	98.2	Oct. 19, 1938	C,W	D	Reported weak supply.
30	Flows	do.	None	D,S	Estimated flow, 20 gallons a minute. Water from limestone at 200 feet. Reported altitude, 1,340 feet.
31	--	--	C,W	P	Reported dry after pumping three hours. Struck water at 165 feet. Cased to bottom. See log.
32	90	e/	None	N	Water from limestone, 175 to 270 feet. Galvanized casing surface to 140 feet.
33	107.4	Oct. 19, 1938	B,H	N	12 feet of galvanized iron casing. Water from 160 feet.
34	Flows	Oct. 12, 1938	None	D,S	Estimated flow, one gallon a minute. Reported altitude 1,362 feet. See log.
35	--	--	None	N	Oil test. Reported altitude, 1,350 feet. See log.
36	--	--	C,W,G, 1½	S,P	Reported strong supply.
37	90.8	Oct. 12, 1938	C,W	--	Reported weak supply.
38	64.1	Oct. 13, 1938	B,H	D,S	Do.
39	75.1	do.	B,H	D	Cased to bottom. Reported weak supply.
40	Flows	do.	None	S	Oil test. Estimated flow, 8 gallons a minute. Reported altitude, 1,375 feet. See log.
41	9.5	do.	B,H	S	Dug well. Reported weak supply.
42	55.1	Oct. 12, 1938	C,W	D	Reported weak supply.
43	86.1	do.	B,H	D,S	Reported very weak supply.
44	3.2	do.	B,H	D,S	Dug well. Reported weak supply.
45	65.1	Oct. 13, 1938	B,H	D,S	Reported weak supply.
46	--	--	None	N	Oil test. Filled to 18⅓ feet; dry.
47	--	--	None	N	Filled and abandoned.
48	179.5	Oct. 31, 1938	None	N	Three feet of steel casing at top. Reported weak supply.
49	90	e/	C,H	D,S	Reported weak supply.
50	80.1	Sept.20, 1938	B,H	D	Do.
51	70.4	do.	None	N	
52	--	--	C,W	D	Reported weak supply.

Records of wells and springs in San Saba County--Continued

No.	Distance from San Saba	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
53	13½ miles northwest	A. J. Todd	--	In draw	Old	8	48	1.5
54	13 miles northwest	J. R. Means	--	do.	1910	16	24	1
d/ 55	12 miles northwest	Spring Creek Community	Texas Relief Commission	Top of ridge	1934	400+	6	0.4
56	do.	Buck Hardeman	--	Slope	--	101	--	1.3
57	11½ miles north	M. Touchon	--	Bank of creek	--	12	36	1
d/ 58	14 miles north	J. W. Smith	-- Hubbard	Flat	1938	70	--	--
59	11½ miles north	M. R. Weatherby	--	do.	--	80	6	1.4
d/ 60	11 miles north	W. B. Reagan	--	Top of ridge	--	138	6	0
61	do.	J. M. Parker	--	Slope	--	78	6	1.6
d/ 62	10 miles north	--	--	River bottoms	--	49	6	0.4
63	9½ miles north	Flatrock School	--	Slope	--	47	50	2
64	9 miles north	Jim McConnell	--	do.	--	25	50	1.7
65	8½ miles north	T. J. Edmondson	--	Gentle slope	--	35	66	2.2
66	7½ miles north	A. Hanna	Jack Lowe	Top of ridge	1931	300	6	0.6
67	9½ miles northeast	E. H. Miller	--	Bank of river	--	41	36	1.2
d/ 68	11 miles northeast	T. J. Burnham	--	do.	--	80	6	--
69	10 miles northeast	Mrs. E. Q. Magee	-- Hawkins	River bottoms	1932	41	25½	0.5
70	10½ miles northeast	C. Burnham	-- Simpson	do.	1922	39	6	0.7
d/ 71	7½ miles northeast	Mrs. Julia A. Moore	Cayce Petroleum Co.	--	1921	1,642	10	--
d/ 72	6 miles northeast	W. B. Leverett	Texas-Mexia Drilling Co.	--	1922	1,003	--	--
73	5 miles northeast	M. J. Fox Est.	Tom Fox	Slope	--	48	36	0.5
74	do.	W. B. Taft	-- Bennett	Flat	1924	40	24	0.7
82	6 miles northeast	A. J. Walker	A. J. Walker	River bottoms	1894	30	36	2
83	6½ miles east	do.	--	Creek bottoms	-- Spring		--	--
84	7 miles east	-- Munsell	Cayce Petroleum Co.	--	--	798	--	--
85	8 miles east	R. E. Senterfitt	J. C. Virdell	Hilltop	1938	232	--	--
86	7 miles east	J. O. Cagle	-- R. R.	do.	1914	165	6	0.3

No.	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
53	5.5	Sept.20, 1938	B,H	D,S	Dug well. Reported strong supply.
54	8	do.	B,H	D,S	Do.
55	134.7	Sept.16, 1938	C,W	N	Reported too salty for use.
56	63.9	do.	None	N	Reported weak supply.
57	10.1	do.	B,H	D	Dug well. Water from alluvium.
58	--	--	--	--	Drilling in black shale at 70 feet when visited, Sept. 19, 1938.
59	26.6	Sept.19, 1938	C,W	D,S	Estimated yield, 3 to 4 gallons a minute.
60	70.5	Sept.15, 1938	B,H	D,S	Reported strong supply.
61	34.2	Sept. 7, 1938	B,H	D,S	Galvanized casing top to bottom. Reported weak supply.
62	43.3	do.	None	N	Cased to bottom. Broken mill over well.
63	44.8	do.	C,H	D,P	Dug well. Water from sandstone.
64	25.3	Sept.15, 1938	C,H	D,S	Dug well. Reported strong supply.
65	26.4	do.	C,H,G 6	D,S	Dug well. Measured yield, 15 gallons a minute.
66	104+	do.	C,W	D,S	Water level measurement questionable. Measured yield, 2 gallons a minute.
67	30.4	Sept. 7, 1938	None	N	Dug well. Water from alluvium.
68	58+	do.	None	N	Galvanized casing top to bottom. Reported water from black slate.
69	25.8	do.	C,W	D,S	Dug well. Estimated yield, 1 to 2 gallons a minute.
70	26.1	do.	C,W	D,S	Estimated yield, 1 to 2 gallons a minute. Reported water level was 45 feet below surface before well was inundated in flood of 1938.
71	--	--	None	N	Oil test. Reported altitude, 1,250 feet. See log.
72	--	--	None	N	Oil test. See log.
73	45.0	Sept. 6, 1938	C,W	D,S	Dug well. Water from sand and gravel. Reported supply increased after slight earthquake in 1931.
74	39.2	Sept.15, 1938	C,W,H	D,S	Dug well. Struck black slate at 40 feet.
82	14.4	Aug. 30, 1938	C,G, --	D,S,I	Dug well. Brick curb; wood casing. Water from quicksand at 30 feet. Reported flowed clear water during flood of 1938.
83	Flows	Sept. 6, 1938	None	N	Estimated flow, 5 to 10 gallons a minute from one opening in sand. Temperature, 69° F.
84	Flows	Nov. 5, 1938	None	S	Oil test. Reported altitude, 1,400 feet. See log.
85	65	e/	C,W,H	D	Reported weak supply; was dry when drilled.
86	27.1	Mar. 13, 1939	C,H	D,S	Galvanized casing top to bottom. Located ¼ mile east of well 84.

Records of wells and springs in San Saba County--Continued

No.	Distance from San Saba	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
87	5 miles east	F. B. Hall	--	Creek bottoms	Old	16	30	0
88	6 miles east	-- Squires	--	Top of ridge	--	200+	--	1.8
89	5 miles east	Tom Grozier	--	Gentle slope	--	116	--	0.3
90	3½ miles east	-- Dalton	--	Creek bottoms	-- Spring		--	--
91	3 miles southeast	-- Kirkpatrick	--	do.	-- Spring		--	--
92	2¾ miles east	Jim McConnell	--	River bottoms	-- Spring		--	--
93	2¼ miles east	Mrs. J. M. Carter	-- Carter	In valley	1910	21	50	1.1
d/ 94	4 miles southeast	Tom Murray	--	Slope	--	200+	--	0.6
95	3½ miles south	H. C. Galloway	-- Clark	do.	1916	600	6	--
96	1½ miles south	W. M. Moore	do.	Top of ridge	1916	300+	8	0.8
97	¾ mile south	-- Weatherby	--	Slope	--	150	--	--
98	½ mile southeast	City of San Saba	--	Edge of creek	-- Spring		--	--
d/ 99	¾ mile east	T. S. Aylor	--	Near creek	1918	48	6	0.5
d/100	½ mile east	do.	--	do.	1918	26	6	0.6
151	1 mile west	Mrs. Mary Sanderson	J. C. Virdell	Slope	1900	66	6	2.3
152	do.	do.	do.	do.	1937	325	6	1.4
153	1¼ miles northwest	do.	do.	do.	1937	225	8	--
154	1½ miles west	Rufe Thornton	Clark & Thornton	Edge of bluff	1915	200+	6	0.6
d/155	do.	do.	Rufe Thornton	do.	--	85	6	--
156	do.	J. W. Patterson	--	do.	Old	71	--	0.3
157	1¾ miles north	H. D. Moore	--	Slope	1924	32	50	0.9
158	2 miles north	Bill Letbetter	--	do.	--	27	30	3.3
159	3 miles northeast	C. E. Whitman	--	Bank of creek	1895	13	24 --	2
160	4 miles northeast	S. D. Edmondson	S. D. Edmondson	Slope	Old	19	36	2.4
161	4¼ miles northeast	do.	do.	do.	Old	8	36	1.6
162	3½ miles north	Mrs. -- Murray	W. Murray	Bed of draw	--	16	36	3
163	do.	Jim Murray	--	Head of draw	-- Spring		--	--

George H. Shafer, Project Superintendent

No.	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
87	1	Jan. 9, 1939	C,W	D,S	Dug well. Reported strong supply.
88	161.2	Feb. 11, 1939	C,W	D,S	Water from white limestone.
89	92.3	do.	C,W,G, 5/8	D,S	Reported strong supply from white limestone.
90	Flows	Oct. 7, 1938	None	D,S,I	f/ Measured flow, 405 gallons a minute from many openings in limestone. Temperature, 71° F. Known as "Barnett Spring."
91	Flows	July 19, 1938	None	D,S,I	Estimated flow, 300 gallons a minute from one opening in limestone. Temperature, 72° F. Known as "McNally Spring."
92	Flows	Jan. 9, 1939	C,G, --	D,S,I	Water from seepage in alluvium above shale. Irrigates small garden.
93	18.8	do.	C,W	D,S	Dug well. Reported strong supply.
94	135.5	Feb. 23, 1939	C,W	S	Reported strong supply from white limestone.
95	60	e/	C,W	D,S	Steel casing, surface to 300 feet. Reported supplies 400 to 500 head of stock.
96	118.2	Sept. 9, 1938	C,W	D,S	Supplies about 200 head of stock.
97	60+	Feb. 23, 1939	C,W	D,S	Reported strong supply.
98	Flows	Feb. 24, 1939	--	P	f/ Measured flow, 4,300 gallons a minute from many openings in limestone. Temperature, 71° F. Known as "San Saba Spring."
99	5.4	Aug. 29, 1938	None	N	Galvanized casing, top to bottom. Reported strong supply.
100	13.6	do.	None	N	Do.
151	22.3	Sept.16, 1938	B,H	N	Located 40 feet south of well 152.
152	14.5	do.	None	N	Reported strong supply.
153	--	--	C,W	D,S	Drilled as core test. Estimated yield, 1½ gallons a minute from shale. Cased from surface to 48 feet.
154	77.3	Nov. 18, 1938	C,W	D,S	Reported weak supply from black limestone.
155	--	--	None	N	Reported weak supply from gravel above black shale.
156	26.3	Nov. 18, 1938	C,W	D,S	Reported weak supply.
157	31.3	Sept.14, 1938	C,W	D,S	Dug well. Reported strong supply from alluvium above black shale.
158	27.4	do.	None	N	Dug well; concrete curb and casing.
159	9.3	do.	C,G, 2½	D,S	Dug well. Reported weak supply. Located 100 feet south of drilled well.
160	16.3	Sept. 6, 1938	C,W	D,S	Dug well. Estimated yield, 3 to 4 gallons a minute from sandstone.
161	3.7	do.	C,W	D,S	Dug well. Estimated yield, 2 to 3 gallons a minute from sandstone.
162	11.9	Sept.15, 1938	B,H	D	Dug well. Reported weak supply. Located on mound in center of Jerry's Branch.
163	--	Sept.14, 1938	None	S	Estimated flow, ½ gallon a minute from many seeps in coarse sand and gravel. Temperature, 72° F.

Records of wells and springs in San Saba County--Continued

No.	Distance from San Saba	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
164	3½ miles north	Jim Walker	--	Bank of creek	--	14	36	--
165	3 miles north	Ida Rylander	--	Top of ridge	1892	29	24	2
166	4 miles north	G. W. Thorp	G. W. Thorp	Creek bottoms	1933	9	60	2.5
170	5 miles northwest	W. M. Perry	W. M. Perry	Slope	1925	45	--	1.9
171	6 miles north	W. J. Terry	--	do.	1922	28	60	1.6
172	6½ miles north	I. T. Watkins	Hall & Bryant	Creek bottoms	1928	1,160	10	--
173	8½ miles north	W. E. Johnson	--	In draw	1890	50	36	0
174	7½ miles northwest	E. C. Smith	C. Newby	Hillside	1928	167	6	1.5
175	8½ miles northwest	G. T. Feazle	do.	Hilltop	1920	62	6	0.8
176	7½ miles northwest	R. T. Harkey	--	In draw	1898	150	6	1
177	7 miles northwest	H. C. McKee	H. C. McKee	do.	1913	30	30	2.6
185	2⅜ miles west	Mrs. -- Curtsinger	--	Slope	Old	90+	8	0
186	2¼ miles west	J. W. Franklin	--	do.	1928	38	6	2.7
187	3 miles west	R. A. Grimes	J. C. Virdell	In draw	1902	236	5	1.5
188	3¼ miles west	do.	--	Bed of creek	-- Spring		--	--
189	3⅜ miles southwest	J. C. Taylor	--	In draw	-- Spring		--	--
190	3⅜ miles west	J. H. Burke	J. C. Virdell	Top of ridge	1933	1,300	4½	0
194	6½ miles west	Ona & Jesse Cook	do.	Flat	1934	84	5	1.3
195	7 miles west	R. B. Bagley	do.	Slope	1932	244	6	0
196	8 miles southwest	C. E. Martin	do.	do.	1934	102	6	0.1
197	7½ miles southwest	Will Martin	--	Creek bottoms	-- Spring		--	--
198	6½ miles southwest	Jack Lusty	-- Sharp	do.	Old	11	36	2.2
199	6 miles southwest	Leo Lusty	Leo Lusty	do.	1929	11	36	2.4
200	5½ miles west	C. A. Maas	--	do.	1885	23	72	2.3
201	5½ miles southwest	E. G. Alexander	E. G. Alexander	do.	1923	17	36	2.7
202	6½ miles southwest	-- Garvin	--	Edge of valley	--	143	6	0.3
203	7 miles southwest	do.	--	Slope	--	105	6	1

George H. Shafer, Project Superintendent

No.	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
164	9.9	Sept.14, 1938	B,H	D	Dug well. Reported weak supply.
165	23.8	Sept.15, 1938	B,H	D,S	Dug well; originally cistern. Water from sandstone.
166	10.7	Sept.19, 1938	B,H	D,S	Dug well; wood curb and casing. Water from gravel above clay.
170	23.9	Sept.16, 1938	B,H	D	Dug well; sandstone curb and casing. Struck water in sandstone at 38 feet; shale at 40 feet.
171	21.7	Sept.19, 1938	C,W	D,S	Dug well; sandstone curb and casing. Water from white rock.
172	Flows	do.	None	N	Oil test. Measured flow, 6 gallons a minute from white limestone. Reported struck water at 30 and at
173	9.9	do.	B,H	D,S	Dug well. Reported · 60 feet which is now cased off. supplies eight families during dry seasons.
174	116.3	Oct. 31, 1938	None	N	Struck weak supply of water in sandstone at 127 feet. Three other wells on farm; all have weak supply.
175	54.7	do.	B,H	D,S	Weak supply of water from sandstone, 60 to 70 feet; shale, 70 to 80 feet. Filled to 62 feet.
176	32.4	do.	C,H,G, $1\frac{1}{2}$	D,S	Reported weak supply from sandstone.
177	11.3	do.	B,H	D,S	Dug well. Struck weak supply of water in sandstone at 18 feet.
185	45.8	Nov. 18, 1938	C,W	S	Reported weak supply from shale.
186	13.0	do.	C,W	D,S	Reported flows about one gallon a minute at times.
187	150	Nov. 21, 1938	C,W	D,S	Dug well, surface to 50 feet; drilled to bottom. Galvanized casing.
188	Flows	Dec. 21, 1938	None	S	Estimated flow, 5 to 6 gallons a minute from six openings in limestone. Temperature, 66° F. Known as "Flat
189	Flows	do.	None	S	Estimated flow, one gallon a minute Branch Spring." from seeps in limestone. Temperature, 55° F.
190	8.1	do.	None	N	Galvanized casing. Reported flows slightly during wet season.
194	Flows	Dec. 1, 1938	B,H	D,S	Galvanized casing. Estimated flow, one gallon a minute. Temperature, 69° F.
195	Flows	Dec. 2, 1938	C,W	--	Estimated flow, one gallon a minute from white sand; 240 to 244 feet.
196	4.3	Dec. 13, 1938	C,W	D,S	40 feet of casing at top. Reported strong supply from limestone.
197	Flows	Dec. 2, 1938	None	D,S	Estimated flow, one gallon a minute from several openings in limestone. Temperature, 67° F.
198	8.8	do.	B,H	D,S	Dug well; rock curb and casing. Reported strong supply from limestone.
199	5.7	do.	B,H	D,S	Do.
200	11.4	do.	C,W	D,S	Dug well; concrete curb. Water from sand and gravel.
201	14.3	Dec. 13, 1938	C,W	D,S	Do.
202	79.3	do.	C,W	D,S	Reported weak supply from limestone.
203	28.8	do.	C,W	S	Iron casing. Reported weak supply from limestone.

Records of wells and springs in San Saba County--Continued

No.	Distance from San Saba	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
204	7½ miles southwest	Canning & Wimberly	--	Bed of creek	-- Spring		--	--
205	9½ miles west	T. G. McGregor	--	do.	-- Spring		--	--
206	do.	J. R. Polk	-- Smith	In valley	1937	34	36	2.1
207	10 miles west	W. B. McCutchen	W. B. McCutchen & Sons	Flat	1934	25	--	2.1
d/209	do.	T. G. McGregor	J. M. Virdell	Slope	1932	700	--	--
210	8½ miles west	J. A. Gaddy	L. L. Brown	do.	1926	34	36	1.3
211	10½ miles northwest	N. McDaniel	--	Head of draw	-- Spring		--	--
212	11 miles west	Mrs. E. M. Hayes	C. Newby	Top of ridge	1925	53	6	--
214	do.	E. M. Hayes	--	Bed of creek	-- Spring		--	--
215	12 miles west	Mrs. B. F. Mann	Woolsey Bros.	Top of ridge	1933	72	8	--
216	12½ miles west	Jason Rogers	Mann Bros.	do.	1936	65	--	0
217	13⅓ miles west	H. D. Brown	Woolsey & Knutson	In valley	--	626	6	0.2
218	14½ miles west	City of Richland Springs	--	Creek bottoms	-- Spring		--	--
219	15 miles west	T. A. Garrett, Sr.	J. C. Virdell	Hilltop	--	115	--	1
220	14 miles west	G. M. Lewis	do.	Slope	--	83	6	0.3
d/221	14½ miles west	W. E. Mann	Woolsey & Virdell	Top of ridge	1938	890+	--	--
d/222	14 miles west	G. M. Lewis	-- Lewis	Slope	Old	185	6	--
223	14½ miles west	T. A. Garrett	T. A. Garrett	--	1938	360+	--	0
224	do.	J. E. Gibbons	J. C. Virdell	Top of ridge	1938	994	6	0.3
225	14 miles west	J. W. Gibbons	do.	Flat	1928	387	6	1
226	13½ miles west	E. N. Taylor	--	--	Old	15	--	0
227	12 miles west	J. O. Moore	J. M. Virdell	Flat	1929	701	6	--
228	do.	T. G. McGregor	do.	Top of ridge	--	120	6	0.5
229	11 miles west	O. P. Leonard	--	Bed of creek	-- Spring		--	--
230	do.	do.	--	Side of bluff	-- Spring		--	--
231	do.	do.	--	Bed of creek	-- Spring		--	--

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No.	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
204	Flows	Oct. 4, 1938	None	D,S	Measured flow, 24 gallons a minute from one opening in limestone. Temperature, 69° F. Known as "Pool Spring."
205	Flows	Feb. 27, 1939	None	D,S,I	g/ Measured flow 11 gallons a minute from many openings in conglomerate. Temperature, 66° F. Known as "Dripping Spring."
206	23.9	Feb. 28, 1939	B,H	D,S	Dug well. Concrete curb and casing. Reported strong supply.
207	24.2	Nov. 15, 1938	C,W	D,S,I	Dug well. Water from conglomerate.
209	--	--	None	N	Reported flowed from 700 feet when drilled; water highly mineralized. Filled and abandoned.
210	29.9	Dec. 25, 1938	C,W	D,S	Dug well. Reported strong supply from gravel and sand. Located at Algerita.
211	Flows	Oct. 31, 1938	None	D,S	Estimated flow, 1 to 2 gallons a minute from seepage in conglomerate. Temperature, 72° F. Known as "McDaniel Spring."
212	44	Oct. 10, 1938	C,W	D,S,I	Galvanized casing, surface to bottom. Reported strong supply from white sand, 48 to 53 feet.
214	Flows	Oct. 13, 1938	None	D,S	Seeps from conglomerate. Temperature, 71° F.
215	--	--	C,W	D,S	Steel casing. Reported drilled, bailed 20 gallons a minute. Water from conglomerate below 57 feet.
216	61.8	Oct. 25, 1938	None	N	Reported weak supply, from sand and gravel. Struck water at 60 feet.
217	8.2	do.	C,W	D,S	90 feet of galvanized casing at top. Reported has yielded 120 gallons a minute for 2 to 3 hours when tested.
218	Flows	Oct. 10, 1938	None	P,I	f/ Measured flow, 1,535 gallons a minute from two openings in limestone. Temperature, 73° F.
219	42.6	Nov. 14, 1938	C,W	S	Estimated yield, 1½ gallons a minute from limestone. Known as "Richland Spring."
220	19.9	Nov. 4, 1938	C,W	S	Reported 4.5 feet drawdown after pumping 2 to 3 gallons a minute for ½ hour. 18 feet galvanized casing at top.
221	--	--	--	--	Drilled to 510 feet in 1923; being deepened when visited, Nov. 1, 1938.
222	--	--	None	N	Filled above water level, Nov. 4, 1938.
223	20.3	Nov. 4, 1938	--	--	Drilling when visited, Nov. 4, 1938. See partial log.
224	126.9	do.	--	S	Not equipped with windmill, Nov. 4, 1938. "Home Pasture well."
225	80+	do.	C,W	S	Reported strong supply from red sand. "Plank Pens well."
226	0	Nov. 2, 1938	C,W,G, 9	D,S	Dug well. Reported 1 foot drawdown after pumping 450 gallons a minute for 24 hours. Flows in wet season.
227	18	e/	C,W	S	441 feet steel casing at top. Temperature, 71° F. Reported 230 feet drawdown after pumping 2 gallons a minute for several hours. See log.
228	50.8	Oct. 25, 1938	C,W	S	Galvanized casing. Estimated yield, 1 to 2 gallons a minute.
229	Flows	Oct. 5, 1938	None	S	Measured flow, 5½ gallons a minute from seeps in limestone. Temperature, 71° F.
230	Flows	Oct. 28, 1938	None	D,S,I	f/ Measured flow, 1,710 gallons a minute from one opening in limestone. Temperature, 72° F. Known as "Baker Spring."
231	Flows	Oct. 5, 1938	None	S	g/ Measured flow, 15 gallons a minute from two openings in limestone. Temperature, 71° F.

Records of wells and springs in San Saba County--Continued

No.	Distance from San Saba	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
233	11 miles west	O. P. Leonard	--	Base of hill	--	Spring	--	--
d/234	do.	do.	--	River bottoms	--	Spring	--	--
235	11½ miles west	do.	--	Base of hill	--	Spring	--	--
236	13 miles west	James Sloan	--	River bottoms	--	Spring	--	--
d/237	do.	do.	Johnson Parsons, et al	In canyon	1921	1,035	--	--
238	13½ miles west	do.	--	do.	--	Spring	--	--
239	14 miles west	do.	--	Bed of creek	--	Spring	--	--
240	14⅓ miles southwest	do.	--	do.	--	Spring	--	--
241	14½ miles west	do.	--	do.	--	Spring	--	--
242	15½ miles west	T. S. Lemons	--	Bank of river	--	Spring	--	--
243	16 miles west	Miss Laura Sloan	--	do.	--	Spring	--	--
244	do.	T. S. Lemons	--	do.	--	Spring	--	--
245	15½ miles west	do.	-- Sullivan	Hillside	1936	30	24	3
247	14½ miles west	Will Doran	--	River bottoms	--	20	40	2.9
248	13½ miles west	Pete Sloan	J. C. Virdell	Hilltop	1938	825	--	--
249	16 miles west	J. E. Gibbons	do.	do.	1930	409	--	--
250	15½ miles west	J. W. Gibbons	do.	Slope	1933	588	--	--
251	do.	do.	do.	In valley	Old	176	--	--
252	do.	do.	do.	Hilltop	Old	720	6	--
253	do.	do.	do.	do.	1916	1,040	6	0.3
254	17 miles west	J. E. Gibbons	do.	do.	1933	686	6	0.5
255	18 miles west	do.	do.	Slope	1933	456	6	--
256	19 miles west	J. W. Gibbons	do.	Top of ridge	1938	914	--	0
257	do.	do.	do.	Gentle slope	1938	300	8	0

a/ Measuring point was usually top of casing, top of well curb or top of pipe clamp; it was above ground level unless indicated by (-) sign for below ground level.

b/ B, bucket; C, cylinder; W, windmill; T, turbine; G, gasoline; E, electric; H, hand; number indicates horsepower.

c/ D, domestic; S, stock; I, irrigation; Ind, industrial; P, public; N, not used.

No.	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
233	Flows	Feb. 25, 1939	None	I	f/ Measured flow, 335 gallons a minute from pool in limestone. Irrigates 20 acres. Temperature, 71° F.
234	Flows	do.	None	I	f/ Measured flow, 485 gallons a minute from many openings in limestone. Known as "Bogarte Spring."
235	Flows	do.	None	D,S,I	f/ Measured flow, 800 gallons a minute from many openings in limestone. Combines with Mud Spring to irrigate 50 acres. Temperature, 71° F. Known as "Mud Spring."
236	Flows	Oct. 28, 1938	None	D,S,I	f/ Measured flow, 2,795 gallons a minute from many openings in limestone. Known as "Hart Spring."
237	--	--	None	N	Oil test. See log. Temperature, 72° F. Known as "Walnut Spring."
238	Flows	Feb. 25, 1939	None	D,S,I	f/ Measured flow, 2,380 gallons a minute from two openings in limestone. Temperature, 71° F. Known as "King
239	Flows	Dec. 19, 1938	None	S	Estimated flow, 100 to 150 gallons a minute from many seeps in limestone. Temperature, Creek Spring."
240	Flows	Dec. 16, 1938	None	S	Slight flow from seeps along joint in limestone. 69° F. Known as "Turkey Roost Creek Spring."
241	Flows	do.	None	N	Estimated flow, 3 to 4 gallons a minute from seeps in limestone.
242	Flows	do.	None	D,S	Estimated flow, 80 to 100 gallons a minute from 3 openings in limestone. Temperature, 71° F. Known as
243	Flows	Dec. 14, 1938	None	S	Estimated flow, 100 gallons a minute from 5 openings in limestone. Temperature, 71° F. "Elm Spring."
244	Flows	do.	None	N	Estimated flow, 40 to 50 gallons a minute from one opening in limestone. Temperature, 71° F.
245	27.8	do.	B,H	S	Dug well; concrete curb and casing. Reported weak supply from black shale.
247	20	Nov. 14, 1938	B,H	D,S	Dug well; rock curb and casing. Reported strong supply from sand and gravel.
248	200+	Dec. 14, 1938	C,W,G, 3	D,S	Reported strong supply from white limestone.
249	--	--	C,W	S	"Hackberry well."
250	--	--	C,W	D,S	"Jim Hall well."
251	--	--	C,W	S	Estimated yield, 2 to 3 gallons a minute. "Old Home Place Valley well."
252	--	--	C,W	D,S	Estimated yield, 3 to 4 gallons a minute. "Old Home Place well."
253	168.8	Nov. 16, 1938	C,W,G, 12	D,S	Water level measured while windmill pumping. "J. W. Gibbons Home well."
254	153.7	Oct. 27, 1938	C,W	S	Water level measured while windmill pumping. "Depression well."
255	--	--	C,W,G, --	--	Reported yield, 5 to 6 gallons a minute. "High Corner well."
256	127.4	Nov. 16, 1938	C,W	S	Located 2 miles north 60° west from well 255. "Relief well."
257	62.7	Oct. 2, 1938	--	--	No casing. "Dipping Vat well."

d/ No water sample collected for analysis.
e/ Water level reported.
f/ Current meter measurement by engineers of Geological Survey, U.S.D.I.
g/ Weir measurement by project superintendent.

Records of wells and springs in San Saba County--Continued

No.	Distance from San Saba	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
258	19 miles west	J. W. Gibbons	J. C. Virdell	Slope	1932	288	6	--
259	20 miles west	do.	do.	In draw	1928	268	6	--
260	20½ miles west	do.	do.	Gentle slope	1927	312	8	1
261	21½ miles west	do.	do.	Top of ridge	1930	342	6	--
262	22 miles west	do.	do.	do.	1932	900	6	--
263	20 miles west	do.	do.	Hilltop	1937	548	6	--
264	do.	do.	do.	do.	1932	452	6	--
265	19 miles west	do.	do.	Slope	1936	313	6	--
266	18 miles west	do.	do.	Creek bottoms	1936	448	6	--
267	17½ miles west	J. E. Gibbons	do.	Gentle slope	1925	440	6	--
268	17 miles west	do.	do.	Side of bluff	-- Spring		--	--
d/269	17½ miles west	do.	do.	Slope	1938	494	6	8.0
270	19½ miles west	do.	do.	Top of ridge	1928	488	6	--
271	19 miles west	do.	do.	Edge of bluff	1924	107	6	--
272	18½ miles west	do.	--	River bottoms	-- Spring		--	--
273	19 miles west	Jim Chadwick	--	do.	-- Spring		--	--
d/274	19 miles southwest	do.	--	do.	-- Spring		--	--
275	22½ miles west	Sorrell & Callahan	--	Edge of bluff	Old	9	24	1
276	do.	do.	--	Slope	Old	68	6	0.4
277	do.	do.	--	--	Old	793	--	--
d/278	24 miles southwest	T. M. Holt	--	Bed of draw	-- Spring		--	--
279	25 miles southwest	J. S. Capps	--	Bed of creek	-- Spring		--	--
280	26 miles southwest	do.	--	Head of draw	-- Spring		--	--
d/281	do.	Mrs. Reilly Latham	--	Gentle slope	--	146	--	0
282	27½ miles southwest	W. H. Latham	--	Slope	--	151	6	0.5
283	do.	--	--	Hilltop	--	75	6	0.6

No.	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
258	--	--	C,W	D,S	Earth reservoir located 225 feet to south. Galvanized casing. "North Elm well."
259	--	--	C,W	D,S	Estimated yield, 4 to 5 gallons a minute. "Three Gates well."
260	74.7	Oct. 27, 1938	C,W	D,S	Water level measured while windmill pumping about 5 gallons a minute. "Oakdale well."
261	--	--	C,W	S	Galvanized casing. Reported strong supply. "Henry White well."
262	--	--	C,W	S	"West Red Tank well."
263	--	--	C,W	S	Galvanized casing. "Mountain Tank well."
264	--	--	C,W	S	Steel casing. Located about one mile south 43° east from well 263. "High well."
265	--	--	C,W	S	Steel casing. "South Elm well."
266	100+	e/	C,W	S	10 feet of galvanized casing at top. Reported strong supply. "China well."
267	--	--	C,W	D,S	Steel casing. "Hog Camp well."
268	Flows	Nov. 17, 1938	None	N	Estimated flow during rainy season, $\frac{1}{8}$ gallon a minute. Temperature, 65° F. Known as "Wolf Spring."
269	172.4	do.	C,W	S	Reported strong supply. "Roosevelt well."
270	--	--	C,W	S	Galvanized casing. Reported strong supply. "Ward & Burleson west well."
271	12	e/	C,G, 3	D,S	Reported flows during wet season. "Ward & Burleson main well."
272	--	Nov. 29, 1938	None	N	Estimated flow, 30 to 50 gallons a minute from one opening in limestone. Temperature, 70° F.
273	--	Feb. 25, 1939	None	S	f/ Measured yield, 380 gallons a minute from one opening in limestone. Temperature, 71° F. Known as "Sycamore Spring."
274	--	Nov. 29, 1938	None	N	Water flows from many openings in limestone. Temperature, 71° F. Known as "Cottonwood Spring."
275	2.5	Nov. 30, 1938	None	N	Dug pit around seep to form well. Reported strong supply.
276	19.9	do.	C,W	--	Water level measured while windmill pumping. Reported weak supply.
277	200+	do.	C,W	D,S	Reported strong supply.
278	Flows	Mar. 10, 1939	None	S	Estimated flow, 15 to 20 gallons a minute from seeps in limestone. Temperature, 70° F. Known as "Pecan Springs."
279	Flows	do.	None	S	Estimated flow, 150 to 200 gallons a minute from seeps in limestone. Temperature, 70° F.
280	Flows	do.	None	D,S,I	Estimated flow, 12 to 15 gallons a minute from one opening in limestone. Reported spring is affected by drought. Temperature, 69° F. Known as "Diggins Creek Spring." Known as "Capps Spring."
281	2.4	do.	None	N	
282	52.1	do.	C,W	D,S,I	Galvanized casing. Reported strong supply.
283	36.3	do.	C,W	S	Reported strong supply.

Records of wells and springs in San Saba County--Continued

No.	Distance from San Saba	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
284	26½ miles southwest	Lum Barton	--	Bed of creek	--	11	60	2.8
285	25 miles southwest	Mrs. Mike Miller	--	Gentle slope	Old	180	6	1.3
d/286	22½ miles southwest	H. G. Hollingsworth	J. M. Virdell	Hilltop	--	392	--	--
287	23½ miles southwest	Vernon Miller	J. C. Virdell	Gentle slope	--	220	6	0
288	23 miles southwest	-- Callahan	Lynn Harlow	Flat	Old	300	--	--
289	24 miles southwest	L. R. Britton	--	Creek bottoms	--	105	6	0.9
290	23½ miles southwest	W. H. Kothmann	--	Top of ridge	Old	78	--	0.5
291	23 miles southwest	J. T. Bush	--	Bed of creek	--	Spring	--	--
292	do.	do.	Lynn Harlow	Near creek	--	57	6	1.4
293	22 miles southwest	Vernon Miller	--	Hilltop	Old	180	--	0.5
d/294	do.	do.	--	do.	--	--	--	0.2
295	20½ miles southwest	Henry Taylor	J. C. Virdell	Near creek	--	250	--	1
296	do.	do.	--	Hilltop	Old	250	--	--
297	19½ miles southwest	do.	J. C. Virdell	In valley	1938	374	--	0.2
298	18½ miles southwest	do.	--	Creek bottoms	Old	250	--	0.3
d/299	19 miles southwest	do.	J. C. Virdell	Hilltop	1938	538	--	--
300	18 miles southwest	Buster Pool	do.	Near creek	1936	800	--	0
301	18½ miles southwest	Jim Chadwick	do.	In draw	--	250	--	0.6
302	16½ miles southwest	Buster Pool	do.	Top of ridge	1938	475	6	--
303	14½ miles southwest	do.	do.	In draw	Old	200+	--	1
304	do.	do.	do.	In valley	Old	200+	--	1
305	16½ miles southwest	Miss Amy Sloan	do.	Hillside	1923	454	--	--
306	17½ miles west	Jim Chadwick	--	Bed of creek	--	Spring	--	--
307	17 miles southwest	do.	--	Bed of river	--	Spring	--	--
308	15 miles west	Jim Sloan	Douglas Cleary	Top of ridge	1930	358	--	0.9
309	9½ miles southwest	E. A. Kuykendall	--	Bed of creek	--	Spring	--	--

George H. Shafer, Project Superintendent

No.	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
284	6.1	Mar. 10, 1939	C,W	D,S	Dug well. Water from sandstone.
285	109	do.	C,W	D,S	Water level measured while windmill pumping. Galvanized casing.
286	--	--	--	D,S	See log.
287	27.9	Dec. 9, 1938	C,W	S	Reported 36 feet drawdown after pumping 2 to 3 gallons a minute for several hours.
288	--	--	C,W	D,S	Reported strong supply from sandstone.
289	48.4	Nov. 9, 1938	C,W	D	10 feet of casing at top. Water from sandstone.
290	28.3	do.	C,W	D,S	Water level measured while windmill pumping slightly. Water from sandstone.
291	Flows	Nov. 8, 1938	None	S	Estimated flow, 2 gallons a minute from many seeps in sandstone blocks. Temperature, 68° F. Known as
292	32.2	do.	C,H	D,S	10 feet of casing at top. Reported "Draper Spring." strong supply.
293	128.1	Dec. 9, 1938	C,W	D,S	Estimated yield, 2 to 3 gallons a minute.
294	127.7	do.	C,W	N	Located 20 feet northeast of well 293.
295	133.9	Dec. 8, 1938	C,W	S	Water level measured while windmill pumping about 5 gallons a minute.
296	110	e/	C,W	D,S	Reported strong supply.
297	61.1	Dec. 8, 1938	C,W	S	Water level measured while windmill pumping about 3 gallons a minute.
298	79.6	do.	C,W	S	Do.
299	150	e/	C,W	S	Reported strong supply from sandstone.
300	112.4	Dec. 6, 1938	C,W	S	Located on bank of Deep Creek. Estimated yield, 4 to 5 gallons a minute.
301	102.6	Dec. 5, 1938	C,W	D,S	Estimated yield, 4 to 5 gallons a minute.
302	200+	Dec. 6, 1938	C,W	S	Do.
303	106.2	Dec. 5, 1938	C,W	D,S	Reported strong supply.
304	104.6	do.	C,W	D,S	Estimated yield, 4 to 5 gallons a minute. Located 750 feet north 15° west of well 303.
305	--	--	C,W	D,S	Estimated yield, 4 to 5 gallons a minute.
306	Flows	Nov. 29, 1938	None	S	f/ Measured flow, 1,360 gallons a minute from crevice in limestone. Temperature, 70° F. Known as "Deep
307	Flows	do.	None	N	Estimated flow, 500 to 600 gallons Creek Spring." a minute from 6 openings in limestone. Temperature,
308	174.9	Dec. 19, 1938	C,W	S	Water level measured 70° F. Known as "Big Springs." while windmill pumping 3 to 4 gallons a minute.
309	Flows	Oct. 3, 1938	None	S	g/ Measured flow, 1,600 gallons a minute from many openings in gravel and limestone. Temperature, 70° F. Known as "Wallace Creek Spring."

Records of wells and springs in San Saba County--Continued

No.	Distance from San Saba	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
310	8 miles southwest	Gene Nored	--	Slope	--	200+	5½	1.2
311	do.	R. N. Manley	--	Bed of creek	--	52	--	1.1
312	7½ miles southwest	C. B. Lambert	--	In valley	-- Spring		--	--
d/313	7 miles southwest	do.	Frank Comer	Near creek	--	41	48	0.1
314	6½ miles southwest	Earnest Conner	Robert Virdell	Hillside	--	257	6	0
315	6 miles southwest	Jim Walker	--	In draw	-- Spring		--	--
316	6⅔ miles southwest	R. N. Manley	--	Flat	1930	252	--	1
317	7⅓ miles southwest	do.	--	Top of ridge	1929	246	--	--
318	8½ miles southwest	do.	--	do.	Old	300	--	1
319	9½ miles southwest	Gene Nored	--	Bed of creek	-- Spring		--	--
320	10 miles southwest	do.	--	do.	-- Spring		--	--
321	10½ miles southwest	R. N. Manley	--	Slope	--	200+	--	--
323	14⅓ miles southwest	Miss Laura Sloan	--	Side of draw	1936	250+	--	--
324	do.	Nored, Sloan & Taylor	J. C. Virdell	Hilltop	--	530	--	--
325	15 miles southwest	E. A. Kuykendall	--	do.	1937	445	--	--
326	16⅔ miles southwest	Buster Pool	J. C. Virdell	Slope	1932	400+	6	--
327	18 miles southwest	Canning & Wimberly	--	do.	Old	200+	--	--
328	19 miles southwest	do.	J. C. Virdell	In valley	--	150	--	1
329	19½ miles southwest	Henry Taylor	--	Creek bottoms	-- Spring		--	--
330	do.	do.	--	do.	--	20	60	2
331	18 miles south	Ed. Lewis	-- Brown	do.	1910	--	--	--
332	18½ miles south	Frank Gray	do.	do.	1900	150	4½	--
333	do.	V. R. Maddox	J. Lowe & --Ray	do.	1918	90	--	--
334	18 miles south	Will Hart	--	Near lake	--	42	6	0.9
d/335	do.	--	--	Gentle slope	1930	140	6	0.5
336	16 miles south	T. J. Bowman	-- Jester	Flat	1918	280	6	1.6

No.	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
310	60.5	Sept. 9, 1938	C,W	S	Steel casing. Estimated yield, 3 to 4 gallons a minute.
311	19.3	do.	C,W	S	Known as "Bull Mill."
312	Flows	Jan. 25, 1939	None	S,I	g/ Measured flow, 93 gallons a minute from many openings in limestone. Reported seldom goes dry. Temperature, 69° F. Known as "Shoat Spring."
313	7.3	Dec. 13, 1938	C,H,G, 8	D,I	Dug well. Reported 2 feet drawdown after pumping 30 to 40 gallons a minute for 12 hours.
314	2	e/	C,G, --	D,S	Reported flows in wet season. Struck water at 170 feet. Temperature, 72° F.
315	Flows	Sept. 5, 1938	None	D,S	Estimated flow, 5 to 10 gallons a minute from openings in limestone. Temperature, 71° F. Known as "Walker Spring."
316	100	e/	C,W	S	Reported yield, 5 to 8 gallons a minute.
317	140	e/	C,W	S	Do.
318	162.2	Sept. 9, 1938	C,W	D,S	Reported strong supply.
319	Flows	Oct. 3, 1938	None	S	Measured flow, 20 gallons a minute from one opening in gravel. Temperature, 70° F.
320	Flows	Oct. 4, 1938	None	S	g/ Measured flow, 185 gallons a minute from many seeps in limestone. Temperature, 71° F. Known as "Latham Creek Spring."
321	--	--	C,W	S	Reported yield, 5 to 8 gallons a minute.
323	192	e/	C,W	S	Estimated yield, 4 to 5 gallons a minute.
324	200+	Dec. 6, 1938	C,W	S	Reported strong supply.
325	200+	Dec. 15, 1938	C,W	S	Do.
326	--	--	C,W,G, 3	S	Reported yield, 4 to 5 gallons a minute.
327	--	--	C,W,G, 4	D,S	No casing. Reported strong supply.
328	94.2	Dec. 15, 1938	C,W	S	Reported 14 feet drawdown after pumping with windmill for several hours.
329	Flows	Dec. 9, 1938	None	S	Estimated flow, 1 to 2 gallons a minute from limestone conglomerate. Temperature, 51° F.
330	5.5	do.	C,W	S	Dug well. Reported strong supply.
331	Flows	Mar. 9, 1939	None	S	Estimated flow, 3 to 4 gallons a minute. Flows into concrete trough. Temperature, 68° F.
332	Flows	do.	None	D,S	Estimated flow, 20 gallons a minute. Temperature, 68° F.
333	Flows	do.	None	S	Estimated flow, 6 gallons a minute. Galvanized casing at top. Temperature, 67° F.
334	10.6	do.	C,W	S	Furnishes water for stock tank.
335	24.2	do.	C,W	S	Galvanized casing.
336	32.5	do.	C,W	D,S,I	Dug, diameter 26 inches, surface to 50 feet; drilled to 280 feet. Reported strong supply.

Records of wells and springs in San Saba County--Continued

No.	Distance from San Saba	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
337	14½ miles south	Tom Houston	Clyde Cook	Slope	--	150	4	--
338	14 miles south	Mrs. Ben Broyles	do.	Near creek	1910	402	6	--
339	do.	Mae Altizer	do.	Top of ridge	1913	135	8	--
340	12½ miles south	J. H. Walker	--	Slope	--	150+	--	--
341	14½ miles south	Mrs. E. Yarborough	--	do.	1920	111	6	1.1
d/342	15 miles south	--	--	do.	--	154	6	0.2
343	do.	Jack Barker	--	Base of cliff	--	Spring	--	--
344	12½ miles south	R. N. Manley	--	Side of draw	1917	240	--	--
345	12 miles south	do.	--	Bed of draw	Old	215	--	--
346	11 miles south	do.	J. M. Virdell	Slope	1928	240	--	--
347	10 miles south	do.	--	Bed of draw	--	205	48	2
348	8 miles south	do.	J. C. Virdell	Flat	1938	430	--	--
349	7½ miles south	do.	do.	do.	1938	290	--	--
d/350	5½ miles southwest	do.	-- Hubbard	Top of ridge	1938	515	--	--
351	6½ miles southeast	Tom Murray	--	In sink	--	--	--	1.3
352	do.	J. S. Norris	T. T. Lowe	Flat	1932	224	6	--
353	5½ miles southeast	A. E. Petty	-- Clark	In sink	1910	505	--	--
354	9½ miles southeast	M. E. Millican	Clary Bros.	Hilltop	1928	240	--	0.3
355	9 miles southeast	do.	--	Hillside	--	Spring	--	--
356	9½ miles southeast	G. H. Brister	--	Creek bottoms	--	Spring	--	--
357	10½ miles southeast	J. D. Parker	--	In valley	--	Spring	--	--
358	do.	do.	--	Top of ridge	1918	20	--	1.2
362	do.	Moss Millican	--	Hillside	--	Spring	--	--
363	12½ miles southeast	Mrs. E. McCrory	Guess & Wilkerson	Creek bottoms	1906	71	6	--
364	12 miles southeast	do.	--	do.	--	Spring	--	--

a/ Measuring point was usually top of casing, top of well curb or top of pipe clamp; it was above ground level unless indicated by (-) sign for below ground level.

b/ B, bucket; C, cylinder; W, windmill; T, turbine; G, gasoline; E, electric; H, hand; number indicates horsepower.

c/ D, domestic; S, stock; I, irrigation; Ind, industrial; P, public; N, not used.

George H. Shafer, Project Superintendent

No.	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
337	Flows	Sept.21, 1938	C,W	D	Measured flow, 4 gallons a minute. Supplies water for concrete swimming pool. Temperature, 69° F.
338	Flows	Sept.22, 1938	C,W	D,S	Measured flow, ½ gallon a minute. Iron casing. Temperature, 69° F.
339	9	e/	C,W	D,S	Galvanized casing. Reported strong supply.
340	--	--	C,W	D,S,I	Reported water level very close to surface.
341	18.4	Sept. 8, 1938	C,W	D,S	Cased to bottom. Reported strong supply.
342	12.2	Feb. 4, 1939	C,W	S	Located 0.8 mile west of Cherokee on Heck Spring road.
343	Flows	Oct. 29, 1938	--	S	f/ Measured flow, 1,150 gallons a minute from 3 openings in limestone. Temperature, 70° F. Known as
344	140+	e/	C,W,G, 6	D,S	Reported pumped 15 gallons a minute for 25 days. "Heck Spring."
345	100	e/	C,W	S	Reported pumped 15 gallons a minute for 17 days; has supplied 700 to 800 head of stock. "South well."
346	140	e/	C,W	S	Reported yield, 5 to 8 gallons a minute. "Buffalo well."
347	3.3	Sept.10, 1938	C,W	S	Dug well, surface to 30 feet; bored to 205 feet. Estimated yield, 3 gallons a minute. "Bear Hollow
348	150	e/	C,W	S	Reported struck water at 285, 385 and 422 feet. Reported yield, 5 to 10 gallons a minute. well."
349	150	e/	C,W	S	Reported yield, 5 to 8 gallons a minute. "Headquarters well." "Corral well."
350	100	e/	C,W	--	Struck water at 376, 476, 485 and at 505 feet. Reported yield, 5 to 8 gallons a minute. "Behrens well."
351	130.6	Feb. 23, 1939	C,W	S	Estimated yield, 3 to 4 gallons a minute.
352	145	e/	C,W	D,S	Steel casing. Cylinder set at 218 feet.
353	140	e/	C,W	D,S	Reported yield, 6 gallons a minute.
354	124.3	Feb. 11, 1939	C,W	D,S	Reported weak supply.
355	Flows	Aug. 30, 1938	None	D,S	Estimated flow, 4 to 5 gallons a minute from limestone. Temperature, 70° F. Known as "Cole Spring."
356	Flows	Aug. 29, 1938	None	D,S,I	g/ Measured flow, 650 gallons a minute from gravel and limestone. Temperature, 71° F. Known as "Brister
357	Flows	Oct. 29, 1938	None	D,S,I	f/ Measured flow, 830 gallons a minute from limestone. Temperature, 74° F. Known as "Holland Spring."
358	15.9	July 20, 1938	C,W	D,S	Located near Holland Parker spring. Parker Spring."
362	Flows	Aug. 29, 1938	None	S	g/ Measured flow, 38 gallons a minute from one crevice in travertine. Temperature, 69° F. Known as "Walnut
363	9	e/	C,W	D,S,I	Iron casing at top. Reported strong supply. Irrigates ½ acre of garden. Struck water at 17 feet. Spring."
364	Flows	Aug. 31, 1938	None	D,S	Estimated flow, 65 to 80 gallons a minute from seeps in limestone. Temperature, 70° F. Known as "Cottonwood Spring."

d/ No water sample collected for analysis.
e/ Water level reported.
f/ Current meter measurement by engineers of Geological Survey, U.S.D.I.
g/ Weir measurement by project superintendent.

Records of wells and springs in San Saba County--Continued

No.	Distance from San Saba	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
365	12 miles southeast	B. B. Reese	--	Creek bottoms	--	Spring	--	--
366	do.	do.	--	Slope	--	Spring	--	--
367	12½ miles southeast	do.	--	Bank of creek	--	200+	8	2.4
368	13½ miles southeast	-- Keeney	--	Slope	--	112	--	1.2
369	15 miles southeast	B. Parks	--	Bed of creek	--	Spring	--	--
370	17 miles southeast	-- Millican	--	do.	--	Spring	--	--
371	16 miles southeast	T. S. Aylor	Clary & Virdell	Hilltop	--	163	6	--
372	17 miles southeast	do.	--	River bottoms	--	Spring	--	--
373	18½ miles southeast	I. G. Yates	--	Bed of draw	--	Spring	--	--
374	do.	do.	--	do.	--	Spring	--	--
375	19½ miles southeast	do.	--	Bank of creek	--	Spring	--	--
376	20 miles southeast	John Barnes	--	do.	--	Spring	--	--
377	19 miles southeast	do.	Jack Lowe	In valley	1935	125	--	0.1
378	17 miles southeast	do.	--	Flat	1918	180	6	--
379	18 miles southeast	do.	J. C. Virdell	Gentle slope	1938	262	6	1
380	19 miles southeast	do.	--	Creek bottoms	--	200+	--	--
381	18 miles southeast	Mack Yates	J. C. Virdell	Hilltop	1937	245	6	0.1
382	15 miles southeast	Clarence Dofflemeyer	--	In draw	--	--	--	--
d/ 383	13 miles southeast	Jack Pressley	--	Creek bottoms	--	60	--	1.3
384	do.	do.	--	do.	--	Spring	--	--
385	12 miles southeast	Judge J. B. Harrell	T. T. Lowe	do.	1937	235	6	--
386	do.	Julian Millican	do.	Edge of ravine	1928	60	6	--
387	11 miles southeast	T. O. Long	Ben Hubbard	In draw	1935	85	6	1.3
390	10 miles southeast	A. R. Neely	T. T. Lowe	Edge of sink	1933	113	6	0.8
392	do.	J. G. Roberts	Sidney Roberts	Side of draw	1938	40	48	1.9
393	9½ miles southeast	J. P. Roberts	Jack Lowe	In sink	1935	233	6½	1.4

No.	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
365	Flows	Mar. 3, 1939	None	S	Estimated flow, 50 to 60 gallons a minute from seeps in limestone. Temperature, 58° F.
366	Flows	Mar. 2, 1939	None	S	Estimated flow, 100 gallons a minute from limestone. Temperature, 66° F. Known as "Bee Cave Spring."
367	8.8	Mar. 1, 1939	C,W	D,S	Reported strong supply.
368	49.5	do.	C,W	D,S	Water from shale.
369	Flows	Mar. 3, 1939	None	S	Estimated flow, 20 to 30 gallons a minute from seeps in limestone. Temperature, 52° F. Known as "Cotton-
370	Flows	Oct. 29, 1938	None	S	f/ Measured flow, 900 gallons a wood Creek Spring," minute from one opening in limestone. Temperature,
371	--	--	C,W	D,S	Reported strong 71° F. Known as "Gorman Spring." supply.
372	Flows	Mar. 6, 1939	None	N	Estimated flow, 600 to 700 gallons a minute from gravel. Temperature, 72° F. Known as "Sulphur Spring."
373	Flows	Jan. 6, 1939	None	S	Estimated flow, 50 gallons a minute from one opening in limestone. Temperature, 62° F. Known as "Clark
374	Flows	Feb. 26, 1939	None	D,S	f/ Measured flow, 250 gallons a minute from Spring." many seeps in limestone. Temperature, 69° F. Known as
375	Flows	do.	None	S	f/ Measured flow, 350 gallons a "Seven Springs." minute from many openings in limestone. Temperature,
376	Flows	do.	--	D,S	f/ Measured flow, 69° F. Known as "Post Oak Spring." 650 gallons a minute from several openings in gravel. Temperature, 69° F. Known as "Jennings Creek Spring."
377	80.6	Jan. 4, 1939	C,W	S	Estimated yield, 2 gallons a minute. "Little Mill well."
378	70	e/	C,W	D,S	Galvanized casing. Reported strong supply. "Long Water Hole well."
379	112.2	Jan. 3, 1939	C,W	S	20 feet of galvanized casing at top. Reported strong supply. "Four Corners well."
380	--	--	C,W	S	Estimated yield, 2 to 3 gallons a minute.
381	167.9	Jan. 16, 1939	C,W	S	Galvanized casing. Water level measured while windmill pumping about 5 gallons a minute.
382	--	--	C,W	D,S	Water from black limestone.
383	40.9	Mar. 1, 1939	C,W	D,S	Located about 50 feet south of Chappel Spring.
384	Flows	do.	None	D,S	Estimated flow, 5 gallons a minute from seeps in lime- stone. Known as "Chappel Spring."
385	--	--	C,W	S	100 feet of galvanized casing at top. Reported strong supply.
386	30	e/	C,W	D,S	Reported weak supply.
387	55.9	Mar. 1, 1939	C,W	D,S	55 feet of galvanized casing at top. Reported 7½ feet drawdown after pumping for several hours.
388	3.8	Dec. 29, 1938	C,H,G, 1½	D,S,I	Reported flows in wet seasons. 44 feet of galvanized casing at top. Struck water in yellow clay at 110 feet.
392	25.2	do.	B,H	D,S	Dug well. Reported strong su ply from sandstone at 30 feet.
395	84.6	do.	B,H	D,S	30 feet of galvanized casing at top. Reported weak supply.

Records of wells and springs in San Saba County--Continued

No.	Distance from San Saba	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
394	8½ miles southeast	R. D. Ashley	J. C. Virdell	Creek bottoms	1927	80	6	1.2
395	do.	do.	--	do.	-- Spring		--	--
396	10⅓ miles southeast	J. A. Lowe	T. T. Lowe	Hilltop	1934	120	6	--
397	11½ miles southeast	W. H. Broyles	J. C. Virdell	Side of draw	1935	1 0	6	1.5
398	13⅓ miles southeast	Joe Crane	--	Bank of creek	-- Spring		--	--
399	12 miles southeast	T. J. Broyles Est.	-- Clark	Slope	1904	100	6	1.3
400	11 miles south	Mrs. J. E. G. Hillman	--	Hillside	-- Spring		--	--
401	11½ miles south	do.	--	do.	-- Spring		--	--
402	do.	do.	--	do.	-- Spring		--	--
403	do.	do.	-- Brown	Hilltop	1917	190	6	--
404	15 miles south	C. J. Bowden	Clyde Cook	Near creek	--	165	4	--
405	do.	Miss M. E. Gay	J. C. Rose	Slope	--	300	6	0
406	do.	Frank Paxton	Ray & Simms	Near creek	1912	223	6	0.9
407	15½ miles south	do.	--	In creek	-- Spring		--	--
408	16½ miles south	J. H. Randolph	-- Putnam, et al	Gentle slope	1924	100	6	1.5
409	do.	Glen Randolph	Jack Lowe	do.	1937	102	6	1.4
410	16 miles south	Carl Johnson	--	Creek bottoms	1878	5	60	2.4
411	do.	Mack Houston	--	do.	1915	50	--	1
412	do.	do.	--	do.	-- Spring		--	--
413	15½ miles south	I. G. Yates	J. C. Virdell	Hillside	1956	480	6	1.3
414	18 miles south	G. Light	-- Lowe	Slope	1929	64	6	--
415	18½ miles south	do.	--	Head of draw	-- Spring		--	--
d/416	18 miles south	Mack Yates	J. C. Virdell	--	1938	225	--	--
d/417	16 miles southeast	do.	do.	--	1937	245	--	--
418	18 miles southeast	do.	T. T. Lowe	In draw	Old	250	6	--
419	19 miles southeast	do.	J. C. Virdell	In valley	1937	260	6	--

No.	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
394	9.3	Feb. 16, 1939	C,W	D,S	Reported strong supply.
395	Flows	Feb. 22, 1939	--	S	Measured flow, 220 gallons a minute from one opening in limestone. Temperature, 68° F. Known as "Rough Creek Spring."
396	103	e/	C,W	D,S	Galvanized casing at top.
397	48.4	Dec. 30, 1938	C,W	D,S	Reported weak supply from sandstone at 75 feet.
398	Flows	Dec. 28, 1938	None	N	Estimated flow, 200 gallons a minute from many seeps in limestone. Temperature, 70° F. Known as "Rector Spring."
399	48	Dec. 30, 1938	C,W	D,S	Reported strong supply.
400	Flows	do.	None	N	Estimated flow, 5 gallons a minute from seeps in gravel. Temperature, 70° F. Known as "Mud Spring".
401	Flows	do.	None	S,I	Estimated flow, 2 to 3 gallons a minute from openings in bottom of pool. Irrigates garden. Temperature, 67° F.
402	Flows	do.	None	--	Estimated flow, 3 gallons a minute from seeps in gravel. Temperature, 70° F.
403	50	e/	C,W	D,S	Galvanized casing. Reported strong supply.
404	Flows	Sept.21, 1938	None	D,S	Water level, 9 feet above ground level. Reported flow 3½ gallons a minute.
405	7.9	do.	C,W	D,S	Water level measured while windmill pumping slightly. Reported strong supply.
406	11.5	do.	C,W	D,S	16 feet of galvanized casing at top. Estimated yield, 4 to 5 gallons a minute.
407	Flows	do.	None	S	Estimated flow, one gallon a minute from one opening in sandstone. Temperature, 70° F.
408	27.9	Mar. 9, 1939	C,W	D,S,I	Reported strong supply from sandstone at 80 feet.
409	50.2	do.	C,W	D,S	Do.
410	4.7	Sept.22, 1938	C,W	D,S	Dug well. Water from limestone. Reported flows after heavy rains.
411	21.9	Jan. 3, 1939	C,W	D,S	Reported strong supply from sandstone.
412	Flows	do.	None	S	Estimated flow, 4 to 5 gallons a minute from seeps in limestone. Temperature, 56° F.
413	190	do.	C,W,G, 1½	D,S	Reported furnishes water for 1,600 head of stock.
414	5	e/	C,W	D,S,I	16 feet of iron casing at top. Reported yield, 5 to 8 gallons a minute.
415	Flows	Sept.22, 1938	None	D,S	Measured flow, 4 gallons a minute from seeps in sandstone. Temperature, 72° F.
416	--	--	C,W	S	Reported strong supply. "Jones well."
417	--	--	C,W	S	Water from limestone. "B well."
418	--	--	C,W,G, 4	D,S	Reported weak supply. "Low well."
419	--	--	C,W	S	Estimated yield, 4 to 5 gallons a minute. "Marley well."

Records of wells and springs in San Saba County--Continued

No.	Distance from San Saba	Owner	Driller	Topographic situation	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
d/420	19 miles south	Mack Yates	J. C. Virdell	--	1938	260	--	--
d/421	20 miles south	do.	T. T. Lowe	--	1935	80	--	--
422	20½ miles southeast	do.	do.	Side of draw	1935	87	--	--
423	do.	do.	--	Creek bottoms	--	125	6	0.1
d/424	19½ miles southeast	do.	T. T. Lowe	--	1935	250	--	--
d/425	21 miles southeast	do.	do.	--	--	36	--	--
426	24 miles southeast	-- Rhodes	--	In creek	-- Spring		--	--

a/ Measuring point was usually top of casing, top of well curb or top of pipe clamp; it was above ground level unless indicated by (-) sign for below ground level.

b/ B, bucket; C, cylinder; W, windmill; T, turbine; G, gasoline; E, electric; H, hand number indicates horsepower.

c/ D, domestic; S, stock; I, irrigation; Ind, industrial; P, public; N, not used.

George H. Shafer, Project Superintendent

No.	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Remarks
420	--	--	C,W	S	Reported strong supply. "Javolina well."
421	--	--	C,W	S	Reported strong supply. "Mesquite well."
422	--	--	C,W	S	Estimated yield, 4 to 5 gallons a minute. "Partition well."
423	7.3	Jan. 16, 1939	C,W	S	Estimated yield, 3 gallons a minute. "Old Mill well."
424	--	--	C,W	S	Reported strong supply. "Corral Mill well."
425	--	--	C,W	S	East well of two at ranch headquarters.
426	Flows	Feb. 26, 1939	--	S	Measured flow, 1,900 gallons a minute from 3 openings in limestone. Temperature, 68° F. Known as "Boiling Spring."

d/ No water sample collected for analysis.
e/ Water level reported.
f/ Current meter measurement by engineers of Geological Survey, U.S.D.I.
g/ Weir measurement by project superintendent.

Table of Drillers' Logs, San Saba County, Texas

Driller's log of well 1

C. L. B. Tyler ranch, 26⅔ miles northwest of San Saba.

	Thickness (feet)	Depth (feet)
Sandy soil	3	3
Sand rock	27	30
Hard sandy shale	14	44
Sand	6	50
Sandy shale	44	94
Blue shale	11	105
Water sand	16	121
Sandy shale	85	206
Water sand	19	225
Sandy shale	65	290
Water sand, hole full of water	22	312
Broken sand	73	385
Sandy shale	12	397
Sand	43	440
Blue shale	11	451
Sand	11	462
Sandy shale	18	480
Sand	15	495
Sandy shale	29	524
Sand	11	535
Sandy shale	5	540
Shale	15	555
Sand	73	628
Black shale	262	890
Black broken lime	6	896
Hard black lime	17	913
Gray lime	3	916
Black lime	14	930
Black shale	1	931
Gray lime	10	941
Black shale	3	944
Black lime	2	946
Black shale	28	974
Black sandy lime	19	993
Black shale	3	996
Lime and shells	2	998
Black shale	17	1015
Broken lime	15	1030
Blue shale	20	1050
Lime	5	1055
Black slate	24	1079
Gray lime	2	1081
Sand	2	1083
Lime	12	1095
Sandy lime	25	1120
White lime	105	1225
White chalk	11	1236
White lime	4	1240
White chalk lime	7	1247
White lime	78	1325
TOTAL DEPTH		1325

Driller's log of well 12

City of Hall, in Hall, 20⅔ miles west of San Saba.

	Thickness (feet)	Depth (feet)
Top soil	1	1
Flint gravel	11	12
Yellow clay	10	22
Hard rock	6	28
Black shale	6	34
Blue mud	7	41
Black lime	7	48
Lime, water	1	49
Soft black lime	49	98
Hard black lime	24	122
Sandy white rock, water-	7	129
Blue rock	49	178
TOTAL DEPTH		178

CASING RECORD: 100 feet of 6-inch galvanized casing at top; 100 feet of 2-inch tubing at top.

Driller's log of well 17

W. H. Gibbons ranch, 17⅔ miles west of San Saba.

	Thickness (feet)	Depth (feet)
Top soil	7	7
Broken lime	23	30
Soft gray lime	68	98
Hard gray lime	66	164
Lime, 150 feet of water at 522 feet	770	934
Lime with streaks of brown and black shale, hole full of fresh water	88	1022
TOTAL DEPTH		1022

CASING RECORD: 600 feet of 6 5/8-inch casing.

Driller's log of well 19

Leach and Hall tract, 19 miles west of San Saba.

	Thickness (feet)	Depth (feet)
White lime	16	16
Black shale	66	82
Yellow lime	43	125
Sand	5	130
White lime	500	630
White sand	3	633
White lime	121	754
Shells and lime	16	770
TOTAL DEPTH		770

Table of Drillers' Logs, San Saba County--Continued

Driller's log of well 24

Lakeview Community well, 19 miles northwest of San Saba.

	Thickness (feet)	Depth (feet)
Top soil	2	2
Sand rock	13	15
Clay, some water	10	25
Sand rock	55	80
Blue shale	75	155
Black lime rock	100	255
Brown shale	22	277
Gray lime rock	123	400
Gray lime	382	782
TOTAL DEPTH		782

CASING RECORD: 100 feet of 6-inch galvanized casing at top; 100 feet of 2-inch tubing at top.

Driller's log of well 30

Mrs. M. F. Rushing tract, 19½ miles northwest of San Saba.

	Thickness (feet)	Depth (feet)
Sand rock	14	14
Shale	26	40
Sand rock	35	75
Blue shale	2	77
Sand rock, two bailers of water	18	95
Sand rock	110	205
White water sand	5	210
Sand rock	80	290
Blue shale	7	297
Rock	1	298
Black shale	210	508
Black lime	51	559
Blue shale	3	562
Gray lime	14	576
Black lime	34	610
Black shale	2	612
Black lime	4	616
Black shale	1	617
Black lime	8	625
Brown shale	15	640
Black lime	3	643
Brown shale	21	664
Gray lime	1	665
Sandy lime	25	690
Dry white sand	2	692
Lime	1	693
Not given	57	750
TOTAL DEPTH		750

Driller's log of well 34.

C. J. Cummings ranch, 18 miles northwest of San Saba.

	Thickness (feet)	Depth (feet)
Hard-packed sandy shale	27	27
Yellow clay	8	35
Black shale	22	57
Hard-packed sandstone	75	132
Black shale; water at 154 feet	25	157
Hard-packed sandstone	237	394
Black shale	32	426
Gray shale	15	441
Very black shale	229	670
Black lime	34	704
Limy black shale	36	740
White lime	2	742
Black lime	18	760
Black shale; drills brown	45	805
White lime	53	858
White sand	5	863
White lime; water at 870 feet	42	905
Hard-packed sand	5	910
White lime	91	1001
Sandy white lime	5	1006
Sandy white lime becoming gray at bottom	39	1045
Alternating white sand with white lime in beds 5 feet thick	35	1080
White lime and chert	10	1090
White lime	15	1105
Gray shale	1	1106
White lime	92	1198
White lime, water	97	1295
White lime, water flowing to surface	25	1320
White lime	60	1380
TOTAL DEPTH		1380

Driller's log of well 35

Graves ranch, 17½ miles northwest of San Saba.

	Thickness (feet)	Depth (feet)
Surface soil	3	3
Sandstone	4	7
Yellow clay	30	37
Hard sand	5	42
Blue shale	25	67
Hard shell	5	72
Sandy shale and sand, show of fresh water	13	85
Hard sand	5	90
Shale and sand	51	141
Black shale	7	148

(Continued on next page)

Table of Drillers' Logs, San Saba County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 35--Continued		
Hard yellow shell, looked like flint	2	150
Light-blue sandy shale	15	165
Sand, little water, hole making 4 bbls. an hour at bottom of this sand	205	370
Blue shale	5	375
Sand, water increased, all fresh water	25	400
Blue shale	25	425
Sand	25	450
Blue shale	15	465
Black shale	21	486
Blue shale	14	500
Hard broken black lime	300	800
Sandy hard white lime	70	870
Hard brown lime	32	902
TOTAL DEPTH		1000
Struck water at 860 feet.		
Driller's log of well 40		
J. M. Heatherly ranch, 17½ miles northwest of San Saba.		
Dark-colored sand	275	275
Black shale	225	500
Black lime	100	600
White lime, water	5	605
White lime	370	975
Hard white lime	248	1223
Sandy white lime, water	22	1245
Sandy white lime	20	1265
White lime	175	1440
Sandy white lime, water	35	1475
White lime	42	1517
Gray shale	1	1518
White lime	137	1655
White lime and green shale	60	1715
Gray lime	40	1755
Sandy lime	40	1795
White lime	10	1805
Gray lime	83	1888
TOTAL DEPTH		1888
Driller's log of well 71		
Mrs. Julia A. Moore ranch, 7½ miles northeast of San Saba.		
Sand rock and soil	6	6
Red and blue stone	26	32
Sticky blue shale	21	53
Sandstone	6	59
Shale and lime	62	121
Lime, shale	3	124
Water sand	12	136

	Thickness (feet)	Depth (feet)
Driller's log of well 71--Continued		
Black shale	10	146
Blue shale	20	166
Hard sand	48	214
Black shale	11	225
Sand, not so hard	26	251
Blue shale	8	259
Hard sand	46	305
Black shale	14	319
Water sand	12	331
Blue shale	14	345
Sand	3	348
Black shale	6	354
Sand	8	362
Blue shale	7	369
Black shale	52	421
Blue shale	11	432
Very hard sand	2	434
Blue shale	10	444
Black shale	508	952
Gray lime	102	1054
White shale	9	1063
Gray lime	2	1065
Black shale	10	1075
White shale	10	1085
Gray lime	15	1100
Black lime	10	1110
Gray lime	6	1116
Black lime	12	1128
Gray lime	5	1133
White lime	32	1165
Gray lime	27	1192
Black lime	89	1281
Gray lime	4	1285
White lime	52	1337
Black lime, sand and pocket of water	3	1340
Gray lime	17	1357
Sticky white lime	90	1447
Gray lime	7	1454
Blue-white lime	177	1631
Sandy lime	6	1637
Sandy limestone	5	1642
TOTAL DEPTH		1642
Driller's log of well 72		
W. B. Leverett ranch, 6 miles northeast of San Saba.		
Surface soil	3	3
Yellow clay	17	20
Lime	5	25
Sandy clay	20	45
Blue clay	7	52
Lime	6	58

(Continued on next page)

Table of Drillers' Logs, San Saba County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 72--Continued		
Hard sand	3	61
Lime	7	68
Blue shale	11	79
Lime	2	81
Blue shale	44	125
White lime	5	130
Blue shale	30	160
Lime and shale	19	179
Gray lime	3	182
Lime	6	188
Lime shell	1	189
Blue shale	63	252
Light-blue shale	38	290
Black shale	375	665
Gray lime	40	705
Black shale	18	723
Gray lime	8	731
Black shale	3	734
Gray lime	31	765
Blue shale	5	770
Gray lime	30	800
White lime	93	893
Brown shale	47	940
Shelly lime	10	950
Hard lime	5	955
White lime	48	1003
TOTAL DEPTH		1003

Driller's log of well 84

- Munsell ranch, 7 miles east of San Saba.

Surface soil	32	32
Soft blue shale	28	60
Soft gray shale	20	80
Soft black shale	72	152
Hard gray lime	23	175
Hard black lime	4	179
Hard gray lime	7	186
Black flinty limestone (very hard)	8	194
Hard gray lime	40	234
Soft blue shale	2	236
Hard gray lime	20	256
Hard black lime	5	261
Soft black lime	20	281
Hard gray lime	67	348
Soft black shale	20	368
Hard gray lime	36	404
Hard black shale	82	486
Hard gray lime	114	600
Hard water sand	58	658
Hard gray lime	140	798
TOTAL DEPTH		798

	Thickness (feet)	Depth (feet)
Driller's log of well 223		
T. A. Garrett tract, 14½ miles west of San Saba.		
Surface soil	2	2
Caliche	16	18
Caliche and boulders	22	40
Blue and black shale	60	100
Black lime rock	40	140
Soft black lime	55	195
White lime	165	360

Driller's log of well 227

J. O. Moore tract, 12 miles west of San Saba.

Black soil and yellow clay	46	46
Black shale	254	300
Rotten yellow shale	18	318
White lime	383	701
TOTAL DEPTH		701

Driller's log of well 237

James Sloan ranch, 13 miles west of San Saba.

Surface soil	2	2
Broken lime	7	9
Black lime	8	17
Black mud	28	45
Brown mud	15	60
Lime	15	75
Mud	4	79
White lime	18	97
Hard white lime, water	19	116
Lime	29	145
Lime and flint	8	153
Lime	512	665
Lime, sand, and shells	8	673
Lime	27	700
Hard lime	305	1005
Soft lime	30	1035
TOTAL DEPTH		1035

Driller's log of well 286

H. G. Hollingsworth tract, 22½ miles southwest of San Saba.

Clay and gravel	3	3
Flint boulders	10	13
Gray limestone	6	19
Red clay	1	20
Light-gray limestone	50	70
Dry sand	1	71
White limestone	8	79
Shells and limestone	8	87
White limestone	163	250
Gray limestone	23	273

(Continued on next page)

Table of Drillers' Logs, San Saba County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 286--Continued		
Red limestone - - - - -	6	279
White limestone - - - - -	2	281
Light-brown limestone - -	4	285
Gray limestone, water - -	3	288
White limestone - - - - -	22	310
Yellow limestone, water-	8	318
Water sand - - - - - - -	4	322
Yellow limestone - - - -	14	336
Not given - - - - - - - -	56	392
TOTAL DEPTH		392

Logs of test wells drilled by W. P. A. labor in San Saba County, Texas
Samples examined and classified by G. H. Shafer
Project Superintendent

Well 7

In valley, side of county road, Diedrich Ahrens sur., 1.2 miles southwest of Holt, 23 miles northwest of San Saba.

	Thickness (feet)	Depth (feet)
Gray and yellow top soil	2	2
Yellow clay	5	7
Greenish-gray clay	12	19

October 19, 1938.

Well 11

Bottom of draw, side of county road, center of north half of Sylvester Simon sur., 2.5 miles north of Hall, 21½ miles northwest of San Saba.

	Thickness (feet)	Depth (feet)
Surface soil	1	1
Gray and yellow chalky, sandy clay	7	8
Greenish-colored hard clay with little gravel	15½	23½
Blue shale	6½	30

October 17, 1938.

Well 75

Flat, W. B. Leverett ranch, Margil Gayton sur., 5½ miles northeast of San Saba.

	Thickness (feet)	Depth (feet)
Top soil and dark-red clay	1	1
Dark-red sticky clay	4	5
Sandy buff-colored clay with few chalk pebbles	27	32
Greenish-gray sandy shale	4	36
Yellowish-brown shale and boulders	3	39
Chocolate-colored shale, lignite, few boulders	2	41
Black and blue sticky shale	29	70
Black shale	2	72

September 16, 1938.

Well 76

Hillside, A. J. Walker ranch, Margil Gayton sur., 6 miles northeast of San Saba.

	Thickness (feet)	Depth (feet)
Sandy brown surface soil	3	3
Greenish-brown clay and sand	2	5
Yellowish-brown sand and sandstone	3	8
Yellowish sandstone, some gravel	3	11
Yellow sand	4	15
Hard greenish-gray shale with few layers of brown shale	32	47
Sticky black shale	3	50

September 15, 1938.

Well 77

Gentle slope, A. J. Walker ranch, Margil Gayton sur., 6 miles northeast of San Saba.

	Thickness (feet)	Depth (feet)
Sandy reddish-brown clay	4	4
Sandy buff-colored clay with few chalk pebbles	22	26
Coarse sand and gravel (damp)	5	31
Hard flint boulders	-	31

September 29, 1938.

Well 78

River bottoms, C. E. Lancaster ranch, Margil Gayton sur., 5½ miles northeast of San Saba.

	Thickness (feet)	Depth (feet)
Brown surface soil	3	3
Reddish-brown clay and lime nodules	13	16
Sandy brown clay	8	24
Brown clay and sand	2	26
Dry sand	1	27
Sand and gravel	2	29
Coarse brown sand, gravel, and flint boulders	3	32
Boulders	1	33
Rock		33

August 30, 1938.

Well 79

River bottoms, A. J. Walker ranch, Margil Gayton sur., 6 miles northeast of San Saba.

	Thickness (feet)	Depth (feet)
Reddish-brown surface soil and lime nodules	2	2
Sandy buff-colored clay and lime nodules	13	15
Slightly sandy buff-colored clay	18	33

September 1, 1938.

Well 80

River bottoms, C. E. Lancaster ranch, Margil Gayton sur., 5½ miles northeast of San Saba.

	Thickness (feet)	Depth (feet)
Reddish-brown top soil	2	2
Sandy light-brown clay and lime nodules	2	4
Buff-colored clayey sand and lime nodules	8	12
Fine-grained buff-colored sand (dry)	12	24
Coarse gravel and sand	1	25
Rock		25

September 6, 1938.

Logs of W. P. A. test wells in San Saba County--Continued

	Thickness (feet)	Depth (feet)
Well 81		
Creek bottoms, W. F. Lackey tract, Thos. Pereida sur., 4¾ miles northeast of San Saba.		
Brown top soil	1	1
Buff-colored clay, sand, and chalk pebbles	16	17
Cream-colored sand	8	25
Yellowish-gray sand and few pebbles	3	28
Coarse pebbles, sand, and boulders	2½	30½
October 5, 1938.		
Well 167		
In draw, Ed Fagg tract, Thos. Pereida sur., 5½ miles north of San Saba.		
Black surface soil and gravel	2	2
Brown soil and gravel	3	5
Sticky yellowish-gray clay and gravel	2	7
March 14, 1939.		
Well 168		
In draw, Ed Fagg tract, Thos. Pereida sur., 6 miles north of San Saba.		
Sandy top soil	7	7
Sandy yellow clay	4	11
Brownish-colored clay	9	20
Sandy yellowish-gray clay	32	52
Blue clay	9½	61½
March 14, 1939.		
Well 169		
In sink, Ed Fagg tract, Thos. Pereida sur., 5½ miles north of San Saba.		
Top soil	2	2
Yellow and gray clay	1	3
Yellow clay	4	7
Brownish-colored clay	11	18
Sandy bluish-gray clay	36	54
February 13, 1939.		
Well 178		
Slope, S. W. Hughes tract, 1¼ miles southwest of China Creek School, 6½ miles northwest of San Saba.		
Sandy top soil	1	1
Sandy dark-brown clay	3	4
Sandy yellow clay	4	8
Buff-colored sand	14	22
Sandy yellowish-gray calcareous clay, few chalk pebbles	14	36
Yellow and gray clay and river-bed gravel	1	37
October 31, 1938.		
Well 179		
Flat, Verge McCarley tract, Geo. W. Thatcher sur., 2½ miles northwest of Harkeyville, 6 miles northwest of San Saba.		
Sandy surface soil	1	1
Sandy red clay and gravel	4	5
Greenish-colored sticky clay with sandstone layers, and some iron gravel	27	32
November 2, 1938.		
Well 180		
In sink, J. L. McKee tract, Geo. W. Thatcher sur., 2 miles northwest of Harkeyville, 6 miles northwest of San Saba.		
Silty surface soil	1	1
Sticky brownish-yellow clay	24	25
Sticky hard black clay	20	45
Hard lime rock		45
November 7, 1938.		
Well 181		
Slope, Tom Harkey tract, Geo. W. Thatcher sur., 3 miles east of Algerita, 5½ miles west of San Saba.		
Sandy top soil with chalky pebbles	5	5
Light buff-colored clay, sand, and chalky nodules	12	17
Fine-grained orange-colored sand	1	18
Coarse gravel and sand with boulders	6	24
October 31, 1938.		
Well 182		
Slope, Mrs. Rosie McCarley tract, O. B. Hardeman sur., ½ mile northwest of Harkeyville, 4¼ miles west of San Saba.		
Sandy surface soil	2	2
Tan chalky clay and sand	5	7
Coarse-grained river-bed sand, gravel, and boulders	11	18
November 21, 1938.		

Logs of W. P. A. test wells in San Saba County--Continued

	Thickness (feet)	Depth (feet)
Well 183		
River bottoms, Davidson Bros., O. B. Hardeman sur., 10 feet east of Davidson store in Harkeyville, 4 miles west of San Saba.		
Calcareous sand and clay	19	19
Coarse-grained sand and gravel	4	23
November 7, 1938.		
Well 184		
Slope, Oren Harkey tract, O. B. Hardeman sur., in Harkeyville, 4¼ miles west of San Saba.		
Sandy red clay	3	3
Sandy buff-colored clay with chalky streaks	9	12
Buff-colored sand and gravel, few boulders at bottom	18	30
November 11, 1938.		
Well 191		
In valley, Rainboak tract, Heinrich E. Wald sur., 4⅝ miles west of San Saba.		
Waxy black top soil and gravel	5	5
Yellow clay, gravel, and boulders	4	9
Rock		9
March 17, 1939.		
Well 192		
Creek bottoms, W. T. Vogle tract, Edward Brown sur., 1.8 miles southwest of Harkeyville, 5 miles west of San Saba.		
Black shale	37	37
December 2, 1938.		
Well 193		
Top of ridge, Cook Est., Edward Brown sur., 2½ miles southwest of Harkeyville, 6½ miles west of San Saba.		
Boulders	2	2
Gray shale	2	4
Greenish-gray shale	19	23
Sticky, hard black shale	32	55
December 1, 1938.		
Well 208		
Gentle slope, T. C. Maxwell tract, Perry Reese sur. 20, 2¼ miles southwest of Algerita, 10 miles west of San Saba.		
Red sand and clay	4	4
Sandy, buff-colored clay, boulders and chalky pebbles	13	17
Well 208--Continued		
Chalky, fine-grained buff-colored sand	6	23
Sticky green clay	26	51
November 21, 1938.		
Well 213		
Gravel pit, E. M. Hayes tract, El Paso Irri. Co. sur., 2 miles northwest of Algerita, 10½ miles west of San Saba.		
Top soil	1½	1½
White caliche	6½	8
Sandy gray and yellow caliche	3	11
Grayish-white lime	17	28
Red sandstone	4	32
Coarse-grained packed sand	2	34
Hard reddish-yellow sandstone	7	41
Rock		41
October 13, 1938.		
Well 232		
In draw, O. P. Leonard tract, NW¼ B. Warmack sur. 23, 4.2 miles southwest of Algerita, 11 miles west of San Saba.		
Waxy black top soil	3½	3½
Sticky yellow and gray clay	5½	9
Sticky gray shale	14	23
Black shale	6	29
November 21, 1938.		
Well 246		
In valley, T. S. Lemons tract, S½ Jos. B. Tatum sur. 63, 4 miles southwest of Sloan School, 15½ miles west of San Saba.		
Sandy gray top soil	2	2
Buff-colored sand, chalk pebbles, and boulders	11	13
Yellowish-green shale	5	18
Black shale	3	21
December 17, 1938.		
Well 359		
Creek bottoms, J. D. Parker tract, Eberle sur., 10½ miles southeast of San Saba.		
Top soil and travertine	1	1
White travertine	7	8
Light-brown travertine	9	17
August 29, 1938.		

Logs of W. P. A. test wells in San Saba County--Continued

	Thickness (feet)	Depth (feet)
Well 360		
Creek bottoms, J. D. Parker tract, Eberle sur., 300 feet north of well 359.		
Top soil - - - - - - - -	1	1
Travertine - - - - - - -	9	10
August 30, 1938.		
Well 361		
Creek bottoms, J. D. Parker tract, Eberle sur., 300 feet north of well 360.		
Black top soil and travertine - - - - - - - -	1	1
Cream-colored travertine	7	8
Lime and cherty limestone	3½	11½
August 30, 1938.		
Well 388		
In sink, T. O. Long tract, P. Fuchs sur. 20, 10½ miles southeast of San Saba.		
Hard red clay and sand rock	4	4
Sandy yellowish-gray calcareous clay -	15	19
Hard sandstone - - - -	1	20
March __, 1939.		

	Thickness (feet)	Depth (feet)
Well 389		
In sink, W. H. Gregg tract, E½ Deidrich Fritz sur. 505, 11 miles southeast of San Saba.		
Black surface soil - -	3	3
Sandy brownish-gray soil	4	7
Yellow clay and sand -	15	23
Brownish-yellow sandstone	2	25
Sandy blue clay - - - -	2	27
Dark-blue clay - - - -	7	34
Hard sandstone - - - -		34
December 29, 1938.		
Well 391		
Side of draw, J. P. Roberts tract, SW¼ G. M. F. Kaiser sur. 507, 10 miles southeast of San Saba.		
Sandy brown top soil and gravel - - - - - -	5	5
Sandy yellow clay - - -	3	8
Yellowish-gray clayey sand, with thin layers of sandstone - - - - -	17	25
Hard brownish-yellow sand rock - - - - - - - -	2	27
Sandy yellow clay - - -	8	35
Alternating layers of bluish-gray sandstone and shale	30	65
December 29, 1938.		

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

(Analyzed at The University of Texas under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry, and E. W. Lohr, Chemist, U. S. Department of the Interior, Geological Survey; by D. F. Riddell, and H. T. Davidson, Chemists; and Martin Wieland, Jack Ramsey, and D. C. Ebner, Assistant Chemists. Nitrate and fluoride determined by E. W. Lohr. Results are in parts per million. Well numbers correspond to numbers in table of well records.)

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
2	Mrs. T. J. Singleton	110	Oct. 18, 1938	810	192	24	33	311	81	94	223	-	580
3	Mrs. J. E. Deeds	41	do.	727	76	5	192	384	111	116	38	-	208
4	Great Southern Life Ins. Co.	200	do.	379	99	10	34	293	27	65	b/	0.1	286
5	--	Spring	do.	650	68	20	144	329	173	83	b/	0.5	253
6	Garret Burk	500	do.	2,507	86	116	635	653	989	360	b/	0.4	692
8	-- Hardeman	-	Oct. 19, 1938	480	98	29	51	433	19	70	b/	-	363
9	G. R. Armentrout	287	Oct. 14, 1938	807	106	70	70	433	42	100	206	-	553
10	N. J. Hall	500	do.	607	112	46	57	409	35	156	b/	-	468
12	Town of Hall	178	do.	1,260	222	38	155	134	340	385	54	0.4	714
14	-- Parker	563	do.	393	116	22	8	433	19	15	b/	0.3	378
15	W. J. Lewis	236	do.	343	102	20	5	384	12	15	b/	-	338
16	W. H. Gibbons	1,536	Oct. 27, 1938	357	90	29	9	384	12	20	b/	0.5	343
18	M. M. Leach and -- Hall	Spring	Oct. 24, 1938	198	53	3	16	61	12	84	b/	-	147
19	do.	770	do.	305	79	27	2	329	23	12	b/	-	306
20	do.	Spring	do.	261	-	-	-	275	11	13	b/	-	-
21	do.	279	do.	372	106	22	11	415	15	14	b/	-	353
22	L. W. Horne	200	Oct. 17, 1938	1,760	78	53	472	336	634	355	b/	0.6	413
23	Ben Lucas	190	do.	1,549	109	34	400	378	392	360	68	-	411
25	Mrs. J. W. King	166	do.	503	85	19	88	415	23	84	b/	-	292
26	George Wilton	100	Nov. 1, 1938	1,618	269	51	239	458	396	430	b/	0.1	881
27	Mrs. Mary Winkel	10	do.	442	71	19	79	439	32	25	b/	1.2	257
28	-- Christian	200/	do.	932	124	33	177	464	198	172	b/	-	445
29	A. B. Swinney	115	Oct. 19, 1938	322	53	27	37	317	23	26	b/	-	241
30	Mrs. M. F. Rushing	750	do.	1,529	13	2	603	451	a/	680	b/	8.5	41
31	Bowser School Dist.	175	do.	1,120	15	12	401	592	246	155	b/	-	87
33	Ed. Cowart	196	do.	414	39	25	96	451	15	17	b/	-	201
34	C. J. Cummings	1,380	Oct. 12, 1938	2,754	22	7	1,066	451	8	1,415	b/	9.0	84
36	Locker School Dist.	360	do.	2,373	42	38	767	543	781	475	b/	0.4	264

a/ Sulphate less than 10 parts per million.
b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
37	H. L. Locker	249	Oct. 12, 1938	3,544	390	140	633	110	701	1,320	306	0.5	1,551
38	-	109	Oct. 13, 1938	1,702	78	60	447	390	566	355	b/	-	442
39	E. A. Taylor	118	do.	1,448	88	80	308	439	561	195	b/	0.5	549
40	J. M. Hatherly	1,888	do.	2,225	22	5	863	451	4	1,100	b/	9.0	73
41	Jason Proctor	15	do.	1,988	-	-	-	488	420	635	b/	-	-
42	L. A. Ivy	100	Oct. 12, 1938	868	-	-	-	366	180	200	b/	-	-
43	Mrs. Hattie Carter	101	do.	1,073	185	35	133	390	196	185	144	0.6	606
44	J. F. Templeton	9	do.	69	18	6	-	67	8	4	-	-	69
45	W. E. Carroll	144	Oct. 13, 1938	889	-	-	-	378	144	240	b/	-	-
48	R. Turner	200	Oct. 31, 1938	509	-	-	-	464	28	40	20	-	-
49	J. R. Sevors	125	Sept.20, 1938	1,394	53	61	367	464	443	240	b/	-	383
50	L. B. Skelton	120	do.	680	97	52	81	433	154	83	b/	-	457
51	Mrs. W. W. Edmondson	110	do.	732	128	58	81	702	16	104	b/	-	561
52	Jess B. Coffee	150	do.	967	63	38	238	427	293	122	b/	0.7	313
53	A. J. Todd	8	do.	1,729	347	62	161	665	309	310	212	-	1,123
54	J. R. Means	16	do.	805	106	71	90	561	177	60	25	-	554
56	Buck Hardeman	101	Sept.16, 1938	1,607	109	75	361	537	535	262	b/	0.3	582
57	M. Touchon	12	do.	1,382	300	56	101	354	401	348	b/	0.2	980
59	M. R. Weatherby	80	Sept.19, 1938	810	177	62	3	397	50	108	216	-	698
61	J. M. Parker	78	Sept. 7, 1938	989	-	-	-	476	118	272	b/	-	-
63	Flatrock School	47	do.	1,507	215	49	269	201	134	700	41	-	740
64	Jim McConnell	25	Sept.15, 1938	538	120	23	57	482	45	51	b/	-	394
65	T. J. Edmondson	35	do.	1,001	152	21	184	360	97	288	82	-	468
66	A. Hanna	300	do.	1,591	22	10	568	702	413	228	b/	-	96
67	E. H. Miller	41	Sept. 7, 1938	1,083	132	56	199	531	143	288	b/	-	559
69	Mrs. E. Q. Magee	41	do.	447	-	-	-	336	28	44	48	-	-
70	C. Burnham	39	do.	661	-	-	-	439	57	39	120	-	-
73	M. J. Fox Est.	48	Sept. 6, 1938	1,235	224	54	135	299	200	400	75	0.1	783
74	W. B. Taft	40	Sept.15, 1938	1,463	282	56	175	488	122	520	68	-	935
79	W. P. A. Test	33	Sept. 1, 1938	2,391	235	48	547	275	627	750	49	0.1	785
82	A. J. Walker	30	Aug. 30, 1938	654	103	32	84	244	94	160	61	-	390
83	do.	Spring	Sept. 6, 1938	710	92	40	101	354	98	92	113	0.2	394
84	-- Munsell	798	Mar. 13, 1939	1,658	32	7	623	494	26	720	b/	3.3	110

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
85	R. E. Senterfitt	232	Jan. 19, 1939	1,287	53	19	402	390	300	320	b/	0.9	212
86	J. O. Cagle	165	Mar. 13, 1939	1,096	18	6	406	360	93	395	b/	1.1	69
87	F. B. Hall	16	Jan. 9, 1939	422	140	8	15	458	14	20	b/	-	385
88	-- Squires	200±	Feb. 11, 1939	697	144	34	28	207	41	112	236	0.2	501
89	Tom Grozier	116	do.	336	74	34	10	366	16	22	b/	-	326
90	-- Dalton	Spring	Oct. 7, 1938	403	-	-	-	479	8	10	b/	-	416
91	-- Kirkpatrick	Spring	July 19, 1938	387	108	29	5	458	8	10	b/	-	388
92	Jim McConnell	Spring	Jan. 9, 1939	510	115	42	13	397	36	63	46	-	461
93	Mrs. J. M. Carter	21	do.	625	143	48	-	384	30	56	159	-	555
95	H. C. Galloway	600	Sept. 8, 1938	404	107	34	6	464	12	18	b/	-	406
96	W. M. Moore	300±	Sept. 9, 1938	251	75	12	2	232	20	16	b/	0.1	238
97	-- Weatherby	150	Feb. 23, 1939	336	112	9	7	342	22	18	b/	0.1	315
98	City of San Saba	Spring	July 19, 1938	619	109	32	90	451	8	156	b/	-	405
151	Mrs. Mary Sanderson	66	Sept.16, 1938	1,793	290	33	223	177	158	378	624	-	860
152	do.	325	do.	1,812	40	15	674	732	14	700	b/	9.0	159
153	do.	225	do.	681	29	13	223	488	109	64	b/	3.0	128
154	Rufe Thornton	200±	Nov. 18, 1938	424	70	19	68	299	40	80	b/	-	252
156	J. W. Patterson	71	do.	357	122	6	3	256	38	62	b/	-	329
157	H. D. Moore	32	Sept.14, 1938	1,043	-	-	-	293	105	355	75	-	-
158	Bill Letbetter	27	do.	1,248	242	23	110	299	32	166	528	-	699
159	C. E. Whitman	13	do.	576	108	17	85	378	105	75	b/	-	341
160	S. D. Edmondson	19	Sept. 6, 1938	721	121	14	124	390	126	102	42	-	359
161	do.	8	do.	508	40	13	136	317	102	56	b/	1.4	153
162	Mrs. -- Murray	16	Sept.15, 1938	455	-	-	-	317	53	77	b/	-	-
163	Jim Murray	Spring	Sept.14, 1938	1,932	111	61	468	378	377	415	312	2.5	528
164	Jim Walker	14	do.	615	-	-	-	378	32	166	b/	-	-
165	Ida Rylander	29	Sept.15, 1938	1,670	262	40	266	329	255	515	170	-	820
166	G. W. Thorp	9	Sept.19, 1938	719	156	32	44	342	308	10	b/	-	520
170	W. M. Perry	45	Sept.16, 1938	812	150	16	104	323	28	143	212	-	440
171	W. J. Terry	28	Sept.19, 1938	2,959	385	100	550	561	588	1,060	b/	-	1,372
172	I. T. Watkins	1,160	do.	10,944	144	40	4,101	366	8	6,465	b/	6.0	525
173	W. E. Johnson	50	do.	1,057	238	22	78	378	181	120	232	-	684
174	E. C. Smith	167	Oct. 31, 1938	1,417	75	41	388	342	188	455	102	0.8	355
175	G. T. Feazle	62	do.	3,485	187	166	822	342	972	1,165	b/	0.2	1,152

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
176	R. T. Harkey	150	Oct. 31, 1938	866	62	22	244	451	119	196	b/	1.1	243
177	H. C. McKee	30	do.	602	147	27	21	409	36	20	150	0.8	476
178	W. P. A. Test	37	do.	10,678	915	590	2,182	561	1,286	5,430	b/	-	4,714
179	do.	32	Nov. 2, 1938	-	-	-	-	-	99	510	22	-	-
183	do.	23	Nov. 7, 1938	462	55	25	76	214	56	91	54	-	240
184	do.	30	Nov. 11, 1938	1,162	52	10	369	561	243	146	66	0.5	171
185	Mrs. -- Curtsinger	90/	Nov. 18, 1938	938	53	14	324	1,027	8	30	b/	-	189
186	J. W. Franklin	38	do.	348	46	23	63	378	16	14	b/	0.6	209
187	R. A. Grimes	236	Nov. 21, 1938	336	102	8	20	336	12	29	b/	-	285
188	do.	Spring	Dec. 21, 1938	271	-	-	-	268	15	17	b/	-	-
189	J. C. Taylor	Spring	do.	328	-	-	-	342	7	24	b/	-	-
190	J. H. Burke	1,300	Nov. 21, 1938	4,671	24	28	1,785	448	8	2,600	b/	6.2	178
194	Ona and Jesse Cook	84	Dec. 1, 1938	745	7	4	301	598	32	98	b/	10.0	32
195	R. B. Bagley	244	Dec. 2, 1938	927	52	23	283	336	17	385	b/	1.6	224
196	C. E. Martin	102	Dec. 13, 1938	228	-	-	-	232	15	11	b/	-	-
197	Will Martin	Spring	Dec. 2, 1938	273	60	30	3	275	23	22	b/	-	274
198	Jack Lusty	11	do.	510	69	12	110	305	71	98	b/	-	223
199	Leo Lusty	11	do.	762	173	38	26	268	213	96	84	0.3	588
200	C. A. Maas	23	do.	1,629	156	129	201	451	674	140	107	-	920
201	E. G. Alexander	17	Dec. 13, 1938	585	109	35	37	183	124	110	80	-	417
202	-- Garvin	143	do.	914	29	11	309	531	217	84	b/	3.2	117
203	do.	105	do.	475	-	-	-	439	45	33	b/	-	-
204	Canning and Wimberly	Spring	Oct. 4, 1938	439	-	-	-	451	12	24	b/	-	-
205	T. G. McGregor	Spring	Nov. 29, 1938	650	115	24	78	159	93	194	68	0.3	385
206	J. R. Polk	34	Feb. 28, 1939	2,160	217	182	249	427	616	480	206	-	1,293
207	W. B. McCutchen	25	Nov. 15, 1938	725	169	31	23	311	59	81	209	-	549
210	J. A. Gaddy	34	Oct. 25, 1938	1,644	232	31	297	207	384	500	98	-	709
211	N. McDaniel	Spring	Oct. 31, 1938	1,220	248	17	156	305	108	382	159	-	690
212	Mrs. E. M. Hayes	53	Oct. 10, 1938	1,506	316	17	201	189	76	690	113	-	860
214	E. M. Hayes	Spring	Oct. 13, 1938	617	157	10	40	311	27	80	150	-	431
215	Mrs. B. F. Mann	72	Oct. 25, 1938	447	-	-	-	464	9	15	23	-	-
216	Jason Rogers	65	do.	510	177	10	10	512	8	51	b/	-	481
217	H. D. Brown	626	do.	618	92	19	126	397	23	162	b/	1.3	307

a/ Sulphate less than 10 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
218	City of Richland Springs	Spring	Oct. 10, 1938	403	104	20	27	403	15	39	b/	-	343
219	T. A. Garrett, Sr.	115	Nov. 14, 1938	1,157	119	36	254	421	296	245	b/	1.1	447
220	G. M. Lewis	83	Nov. 4, 1938	578	145	18	49	451	87	57	b/	-	436
223	T. A. Garrett	360	do.	792	156	31	71	256	48	204	156	0.2	519
224	J. E. Gibbons	994	do.	573	24	13	193	519	49	36	b/	2.5	113
225	J. W. Gibbons	387	do.	403	69	12	70	329	58	32	b/	0.7	222
226	E. N. Taylor	15	Nov. 2, 1938	480	105	18	59	397	17	86	b/	0.8	336
227	J. O. Moore	701	Oct. 10, 1938	4,916	47	12	1,880	378	12	2,770	b/	0.5	167
228	T. G. McGregor	120	Oct. 25, 1938	4,591	363	121	1,018	512	2,170	660	b/	-	1,404
229	O. P. Leonard	Spring	Oct. 5, 1938	350	-	-	-	287	7	67	b/	-	-
230	do.	Spring	do.	440	111	18	36	390	12	67	b/	-	351
231	do.	Spring	do.	441	-	-	-	384	12	70	b/	-	-
233	do.	Spring	Nov. 15, 1938	371	105	24	7	390	15	28	b/	-	360
235	do.	Spring	do.	393	-	-	-	427	15	14	b/	-	-
236	Jim Sloan	Spring	July 20, 1938	391	-	-	-	451	8	6	b/	-	-
238	do.	Spring	Nov. 14, 1938	-	-	-	-	-	11	7	b/	-	-
239	do.	Spring	Dec. 19, 1938	296	-	-	-	336	9	5	b/	-	-
240	do.	Spring	Dec. 16, 1938	359	-	-	-	415	7	6	b/	-	-
241	do.	Spring	do.	223	-	-	-	232	15	8	b/	-	-
242	T. S. Lemons	Spring	Dec. 14, 1938	254	65	27	-	293	11	5	b/	1.6	272
243	Miss Laura Sloan	Spring	do.	230	-	-	-	256	7	6	b/	-	-
244	T. S. Lemons	Spring	do.	273	-	-	-	305	7	8	b/	-	-
245	do.	30	do.	3,983	690	348	51	610	2,305	216	73	-	3,154
246	W. P. A. Test	21	Dec. 17, 1938	3,781	698	299	34	610	2,239	76	135	-	2,974
247	Will Doran	20	Nov. 14, 1938	1,210	257	72	62	525	365	178	b/	0.2	940
248	Pete Sloan	825	Dec. 14, 1938	359	110	22	-	390	23	12	-	-	364
249	J. E. Gibbons	409	Nov. 14, 1938	227	65	16	1	258	10	8	b/	-	230
250	J. W. Gibbons	588	do.	292	76	28	-	332	15	10	b/	0.3	308
251	do.	176	Nov. 4, 1938	664	158	38	28	421	161	72	b/	-	554
252	do.	720	do.	351	78	26	23	366	30	14	b/	-	301
253	do.	1,040	Nov. 16, 1938	315	72	26	15	317	17	29	b/	-	286
254	J. E. Gibbons	686	Oct. 27, 1938	314	87	25	2	372	8	9	b/	-	321
255	do.	456	do.	384	90	40	2	427	12	13	b/	-	389

a/ Sulphate less than 10 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
256	J. W. Gibbons	914	Nov. 16, 1938	270	78	14	9	317	8	5	b/	-	254
257	do.	300	Oct. 27, 1938	484	-	-	-	512	19	16	b/	-	-
258	do.	288	Nov. 16, 1938	426	109	42	-	516	10	10	b/	-	446
259	do.	268	Oct. 27, 1938	394	73	27	47	427	8	20	b/	0.5	291
260	do.	312	do.	544	155	19	13	415	11	48	94	-	467
261	do.	342	Nov. 16, 1938	335	102	23	-	384	5	8	b/	-	349
262	do.	900	do.	453	17	1	158	256	85	64	b/	-	46
263	do.	548	do.	338	98	22	7	409	3	7	b/	-	333
264	do.	453	do.	299	74	36	-	354	6	9	b/	-	332
265	do.	313	do.	353	99	25	4	409	5	7	b/	-	351
266	do.	448	Nov. 17, 1938	395	102	38	1	476	8	9	b/	-	414
267	J. E. Gibbons	440	Nov. 16, 1938	223	50	24	4	256	9	10	b/	-	225
268	do.	Spring	Nov. 17, 1938	-	-	-	-	-	15	6	b/	-	-
270	do.	488	do.	290	60	30	10	299	30	13	b/	-	273
271	do.	107	do.	428	152	6	9	467	12	19	b/	0.1	404
272	do.	Spring	Nov. 29, 1938	286	72	33	-	329	8	11	b/	-	315
273	Jim Chadwick	Spring	do.	297	67	32	3	329	19	10	b/	-	300
275	Sorrell and Callahan	9	Nov. 30, 1938	466	140	26	2	479	17	23	-	-	456
276	do.	68	do.	505	155	22	-	445	14	42	52	-	479
277	do.	793	do.	328	84	30	-	342	30	16	b/	0.4	335
279	J. S. Capps	Spring	Mar. 10, 1939	315	-	-	-	342	9	14	b/	-	-
280	do.	Spring	do.	314	99	13	5	329	15	18	b/	-	303
282	W. H. Latham	151	do.	357	101	21	11	397	13	16	b/	-	338
283	-	75	do.	419	63	11	81	79	11	214	b/	-	202
284	Lum Barton	11	do.	289	83	5	24	281	11	28	b/	-	228
285	Mrs. Mike Miller	180	do.	451	108	49	1	525	9	20	b/	-	470
287	Vernon Miller	220	Dec. 9, 1938	478	113	28	13	244	20	92	92	0.1	397
288	-- Callahan	300	Nov. 9, 1938	737	162	36	48	397	36	140	120	0.6	552
289	L. R. Britton	105	do.	439	122	19	23	427	26	39	b/	-	382
290	W. H. Kothmann	78	do.	781	112	71	58	275	91	208	106	0.6	574
291	J. T. Bush	Spring	Nov. 8, 1938	-	-	-	-	-	15	13	b/	-	-
292	do.	57	do.	299	93	12	7	305	12	24	b/	0.8	282
293	Vernon Miller	180	Dec. 9, 1938	-	-	-	-	-	11	36	53	-	-

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
295	Henry Taylor	250	Dec. 8, 1938	325	-	-	-	336	11	22	b/	-	-
296	do.	250	Dec. 9, 1938	281	-	-	-	293	11	16	b/	-	-
297	do.	374	Dec. 8, 1938	169	32	18	7	153	15	22	b/	-	156
298	do.	250	do.	487	136	44	-	567	9	10	-	-	522
300	Buster Pool	800	Dec. 6, 1938	368	101	36	-	409	11	19	b/	-	403
301	Jim Chadwick	250	Dec. 5, 1938	307	70	43	-	354	9	11	b/	-	352
302	Buster Pool	475	Dec. 6, 1938	-	-	-	-	-	9	8	-	-	-
303	do.	200±	Dec. 5, 1938	385	101	38	-	433	9	12	b/	-	398
304	do.	200±	do.	548	130	54	-	506	15	30	70	-	548
305	Mrs. Amy Sloan	454	Dec. 19, 1938	409	-	-	-	451	13	13	b/	-	-
306	Jim Chadwick	Spring	Nov. 29, 1938	393	-	-	-	445	11	8	b/	-	-
307	do.	Spring	do.	378	-	-	-	427	11	8	b/	-	-
308	Jim Sloan	358	Dec. 19, 1938	256	-	-	-	268	13	11	b/	-	-
309	E. A. Kuykendall	Spring	Sept. 29, 1938	376	94	-	38	451	8	10	b/	-	394
310	Gene Nored	200±	Sept. 9, 1938	470	124	35	-	415	28	36	43	-	456
311	R. N. Manley	52	do.	262	-	-	-	281	8	9	b/	-	-
312	C. B. Lambert	Spring	Dec. 13, 1938	416	119	23	15	494	9	7	b/	-	392
314	Ernest Conner	257	Aug. 19, 1938	426	132	17	12	476	22	9	b/	0.1	400
315	Jim Walker	Spring	Sept. 5, 1938	292	144	9	-	451	8	9	b/	-	396
316	R. N. Manley	252	Sept. 10, 1938	473	121	48	-	506	13	20	22	-	500
317	do.	246	do.	263	-	-	-	250	10	16	b/	-	-
318	do.	300	Sept. 9, 1938	358	89	35	3	423	8	8	b/	-	365
319	Gene Nored	Spring	Oct. 3, 1938	345	-	-	-	390	4	6	b/	-	-
320	do.	Spring	Oct. 4, 1938	390	-	-	-	451	5	8	b/	-	-
321	R. N. Manley	200±	Sept. 10, 1938	407	95	49	-	482	8	11	b/	-	438
323	Miss Laura Sloan	250±	Dec. 6, 1938	-	-	-	-	-	11	6	b/	-	-
324	Nored, Sloan and Taylor	530	do.	332	104	49	-	519	11	11	b/	-	460
325	E. A. Kuykendall	445	Dec. 15, 1938	300	61	35	9	360	11	7	b/	-	296
326	Buster Pool	400±	Dec. 6, 1938	414	105	41	-	458	9	15	b/	-	330
327	Canning and Wimberly	200±	Dec. 15, 1938	212	55	10	15	214	13	14	b/	-	176
328	do.	150	do.	213	50	13	11	189	14	10	22	-	178
329	Henry Taylor	Spring	Dec. 9, 1938	183	62	9	-	183	11	11	-	-	190
330	do.	20	do.	390	140	10	-	439	12	12	-	-	394

a/ Sulphate less than 10 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
331	Ed Lewis	-	Mar. 9, 1939	336	103	11	15	366	10	17	b/	-	302
332	Frank Gray	150	do.	273	89	5	12	287	8	18	b/	-	243
333	V. R. Maddox	90	do.	343	79	12	36	232	18	84	b/	-	248
334	Will Hart	42	do.	314	62	9	47	232	22	56	b/	0.4	190
336	T. J. Bowman	280	do.	523	144	16	37	464	36	62	b/	-	425
337	Tom Houston	150	Sept.21, 1938	244	54	16	17	207	27	28	b/	-	200
338	Mrs. Ben Broyles	402	Sept.22, 1938	318	74	26	14	336	26	13	b/	0.5	291
339	Mae Altizer	135	Jan. 3, 1939	245	-	-	-	244	15	15	b/	-	-
340	J. H. Walker	150/	Sept. 8, 1938	495	123	24	14	317	69	27	83	0.6	405
341	Mrs. E. Yarbrough	111	do.	215	45	25	3	207	16	24	b/	-	215
343	Jack Barker	Spring	Sept.27, 1938	380	69	51	12	473	6	10	b/	-	381
344	R. N. Manley	240	Sept.10, 1938	-	-	-	-	-	8	7	b/	-	-
345	do.	215	do.	267	64	28	2	323	8	6	b/	-	278
346	do.	240	do.	427	103	49	-	500	10	12	b/	-	157
347	do.	205	do.	371	83	42	-	397	16	18	b/	-	381
348	do.	430	Sept. 9, 1938	433	110	47	-	512	10	10	b/	-	469
349	do.	290	do.	426	95	49	2	488	13	15	b/	-	440
351	Tom Murray	-	Feb. 23, 1939	472	122	49	-	573	8	11	b/	-	505
352	J. S. Norris	224	do.	-	-	-	-	-	8	8	b/	-	-
353	A. E. Petty	505	Feb. 22, 1939	622	192	26	-	512	16	38	98	-	586
354	M. E. Millican	240	Feb. 11, 1939	653	121	36	68	390	142	94	b/	0.2	453
355	do.	Spring	Aug. 30, 1938	213	-	-	-	220	12	10	b/	-	-
356	G. H. Brister	Spring	Aug. 29, 1938	279	68	30	-	317	11	14	b/	-	293
357	J. D. Parker	Spring	July 20, 1938	402	114	31	-	476	12	10	b/	-	414
358	do.	20	do.	407	106	40	-	500	8	7	b/	-	429
359	W. P. A. Test	17	Aug. 29, 1938	420	104	38	6	476	12	16	b/	-	419
362	Moss Millican	Spring	do.	265	59	31	-	299	8	9	b/	-	274
363	Mrs. E. McCrory	71	Aug. 31, 1938	265	75	14	7	244	28	21	b/	0.1	244
364	do.	Spring	do.	407	126	24	-	464	19	10	b/	-	416
365	B. B. Reese	Spring	Mar. 3, 1939	281	54	10	45	281	12	22	b/	-	176
366	do.	Spring	Mar. 2, 1939	359	-	-	-	366	15	24	b/	-	-
367	do.	200/	Mar. 1, 1939	415	142	10	8	458	11	19	b/	-	396
368	-- Keeney	112	do.	1,184	127	27	249	415	503	74	b/	-	427
369	B. Parks	Spring	Mar. 3, 1939	247	-	-	-	244	19	13	b/	-	-
370	-- Millican	Spring	Oct. 29, 1938	327	-	-	-	366	7	9	b/	-	-

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b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
371	T. S. Aylor	163	Mar. 6, 1939	559	154	33	10	531	30	30	41	-	520
372	do.	Spring	do.	2,721	184	46	812	451	27	1,430	b/	-	649
373	I. G. Yates	Spring	Jan. 6, 1939	390	-	-	-	439	9	11	b/	-	-
374	do.	Spring	do.	414	-	-	-	476	9	7	b/	-	-
375	do.	Spring	do.	353	89	35	1	421	13	8	b/	-	367
376	John Barnes	Spring	Feb. 26, 1939	306	-	-	-	305	19	17	b/	-	-
377	do.	125	Jan. 3, 1939	334	82	36	-	397	11	10	b/	-	352
378	do.	180	do.	301	73	25	11	348	11	10	b/	-	286
379	do.	262	do.	-	-	-	-	-	6	10	b/	-	-
380	do.	200±	Jan. 4, 1939	237	38	36	5	275	13	10	b/	-	242
381	Mack Yates	245	Jan. 16, 1939	361	70	46	10	439	9	10	b/	-	363
382	Clarence Dafflemeyer	-	Dec. 28, 1938	433	136	23	3	494	14	14	b/	-	434
384	Jack Pressley	Spring	Mar. 1, 1939	431	131	28	-	494	15	14	b/	0.1	442
385	Judge J. B. Harrell	235	Jan. 5, 1939	342	100	20	2	293	26	50	b/	0.3	333
386	Julian Millican	60	Dec. 29, 1938	1,218	326	46	11	299	472	195	21	0.3	1,004
387	T. O. Long	85	Mar. 1, 1939	1,074	125	60	178	390	294	225	b/	-	557
389	W. P. A. Test	34	Dec. 29, 1938	1,259	190	32	236	397	142	450	b/	-	605
390	A. R. Neely	113	do.	-	-	-	-	-	11	24	b/	-	-
391	W. P. A. Test	65	do.	993	117	51	196	512	67	310	b/	-	502
392	J. G. Roberts	40	do.	-	-	-	-	-	34	54	b/	-	-
393	J. P. Roberts	233	do.	-	-	-	-	-	884	575	b/	-	-
394	R. D. Ashley	80	Sept. 2, 1938	-	-	-	-	-	8	11	b/	-	-
395	do.	Spring	do.	340	-	-	-	384	8	9	b/	-	-
396	J. A. Lowe	120	Mar. 7, 1939	434	-	-	-	482	10	16	b/	-	-
397	W. H. Broyles	100	Dec. 29, 1938	1,177	96	33	287	433	348	200	b/	0.3	375
398	Joe Crane	Spring	Dec. 28, 1938	325	92	24	1	366	17	11	b/	-	330
399	T. J. Broyles Est.	100	Dec. 30, 1938	358	-	-	-	403	10	9	b/	-	-
400	Mrs. J. E. G. Hillman	Spring	do.	302	-	-	-	293	17	24	b/	-	-
401	do.	Spring	do.	315	-	-	-	317	21	16	b/	-	-
402	do.	Spring	do.	257	-	-	-	256	17	15	b/	-	-
403	do.	190	do.	310	63	34	10	323	27	17	b/	0.6	296
404	C. J. Bowden	165	Sept. 21, 1938	275	78	22	-	320	12	5	b/	-	284
405	Miss M. F. Gay	300	do.	274	91	5	8	281	12	12	b/	-	248
406	Frank Paxton	223	do.	344	58	55	-	369	20	29	b/	0.3	369

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
407	Frank Paxton	Spring	Sept. 21, 1938	395	74	58	-	450	12	30	b/	-	426
408	J. H. Randolph	100	Mar. 9, 1939	370	100	7	21	244	8	42	72	-	280
409	Glen Randolph	102	do.	433	63	11	88	171	12	165	b/	0.6	202
410	Carl Johnson	5	Sept. 22, 1938	272	86	6	13	281	12	17	b/	-	239
411	Mack Houston	50	Jan. 3, 1939	467	106	7	51	323	19	31	94	-	294
412	do.	Spring	do.	377	70	36	29	415	21	17	b/	-	322
413	I. G. Yates	480	do.	470	127	44	-	549	11	14	b/	-	497
414	G. Light	64	Sept. 22, 1938	247	61	13	15	244	19	10	b/	-	208
415	do.	Spring	do.	316	-	-	-	317	21	17	b/	-	-
418	Mack Yates	250	Jan. 16, 1939	326	72	43	-	342	13	30	b/	-	357
419	do.	260	do.	425	101	49	-	512	11	12	b/	-	455
422	do.	87	do.	-	-	-	-	-	11	18	b/	-	-
423	do.	125	do.	309	81	25	6	354	9	14	b/	-	306
426	-- Rhodes	Spring	Jan. 4, 1939	386	94	39	5	464	11	9	b/	-	394

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

MAP OF SAN SABA COUNTY, TEXAS
SHOWING LOCATIONS OF WATER WELLS LISTED

SCALE
1 0 1 2 3 4 5 6 7 8 MILES

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

FIELD WORK BY
G. H. SHAFER
W. P. A. PROJECT 10444

TEXAS BOARD OF
WATER ENGINEERS
ASSISTED BY
U. S. GEOLOGICAL SURVEY

— EXPLANATION —

- WELL WITH HANDPUMP, 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
- FLOWING WELL
- UNUSED WELL
- TEST WELL DRILLED BY W.P.A. LABOR
- SPRING
- HIGHWAY
- COUNTY ROAD
- TRAIL

N

BROWN COUNTY
MILLS COUNTY
COLEMAN COUNTY
RUNNELS COUNTY
LAMPASAS COUNTY
BURNET COUNTY
MC CULLOUGH COUNTY
MASON COUNTY
LLANO COUNTY

BOWSER
HOLT
SKEETERVILLE
LOCKER
HALL
HIGHLAND SPRINGS
HARKEYVILLE
SAN SABA
CHEROKEE
ROUND MT.
KILLARNEY PEAK

O.G.K. 9-11-39.