

ROBERTSON COUNTY, TEXAS

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

TEXAS STATE BOARD OF WATER ENGINEERS

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ROBERTSON COUNTY, TEXAS

This publication contains records of 310 wells and springs, drillers' logs of 12 wells, logs of 165 test holes, and the results of chemical analyses of water from 340 wells and springs in Robertson County, Texas. The records of wells, drillers' logs, test hole logs, and samples of water were collected from October 16, 1940 to February 14, 1941, by Lloyd C. Davis, Project Supervisor. Project No. 17277 of the Work Projects Administration. This project was sponsored by the Texas State Board of Water Engineers in cooperation with the United States Department of the Interior, Geological Survey.

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

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

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

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

Records of wells and springs in Robertson County, Texas
All wells are drilled unless otherwise stated under Remarks

Well No.	Distance from Hearne	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
1	At Valley Junction	I. & G. N. R. R.	McMasters and Pomeroy	1922	1,174	8	2.0
2	2½ miles southwest	W.H. & H.A. R. R.	---	1898?	550	4	---
3	At Hearne	City of Hearne	---	---	748	8	1.0
4	6 miles west	Tideman Plantation No. 1	McMillen Oil Corp.	1927	2,500	---	---
5	5¼ miles southeast	Mrs. Davidson	---	Old	60	34	1.3
6	11½ miles east	Vanix Stubaug	---	1918	110	4	3.2
7	10¼ miles southeast	W. Cook and Tom Derman	Everts Drilling Co.	1933	6,109	12½	---
8	14½ miles east	Ed Skubal	---	---	58	6	1.6

Well No.	Distance from Bremond	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
10	9 miles southwest	Eloise Gin Co., Inc.	---	1941	26	30	1.6
12	8½ miles southwest	Mrs. Seth Burnett	---	Old	23	30	1.0
14	7½ miles southwest	Tom Mears	---	1941	15	30	1.7
16	6¼ miles southwest	Lou Giddings	Archie Powell	1920	24	30	1.2
17	5½ miles southwest	Ed Roberts	---	1900?	28	30	0.5
18	3½ miles southwest	---	---	---	24	30	0.0
19	At Bremond	C. M. Campbell	---	Old	30	30	0.0
20	2 miles southwest	Ed Roberts	Jim Otwell	1934?	47	36	0.0
21	At Benchley	J. G. Lightsey	--- Cook	1937	231	4	0.0
22	3¼ miles southwest	Mrs. H. J. Youngblood	---	---	35	30	1.7
23	6 miles southwest	Paul K. Tomcesen	---	1925	21	24	0.0
24	9 miles southwest	C. A. Campbell	---	1938	41	---	2.5

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

b/ H, hand pump or bucket and rope; W, windmill; C, centrifugal; Cyl, cylinder; T, turbine; A, air lift; E, electric motor; G, gasoline engine. Number indicates horsepower.

Chemical analyses of water from most of these wells are in the table of water analyses

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) a/	Date of measurement			
1	+53	Jan. 11, 1938	Flows	Ind	Casing: 932 feet of 8-inch, 242 feet of 6-inch. Screens set at 744-765, 897-909, and 1,093-1,174 feet. Reported flow 300 gallons a
2	+	--	Flows	D,S	measured flow 10 gallons a minute. See log. minute, January 11, 1938. Has sulphur odor and
3	6.36	Jan. 11, 1938	A	N	Casing: 688 feet taste. Temperature 71° F. of 8-inch, 60 feet of 6-inch. Screen set at
4	--	--	None	I	Oil test. See log. 688-748 feet. See log.
5	54.41	Jan. 12, 1938	H	D,S	Dug well.
6	--	do.	Flows	D,S	
7	--	--	None	N	Oil test. Cased to 126 feet. See log.
8	20.15	Jan. 12, 1938	H	D,S	

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) a/	Date of measurement			
10	16.33	Jan. 31, 1941	H	D,S, Ind	Dug well.
12	19.20	Dec. 10, 1940	H	D,S	Do.
14	11.20	Jan. 29, 1941	H	D,S	Do.
16	19.59	Jan. 31, 1941	H	D,S	Do.
17	24.67	Dec. 10, 1940	H	D,S	Do.
18	22.02	do.	H	D	Dug well. Formerly supplied school.
19	13.45	Dec. 17, 1940	H	D,S	Dug well.
20	43.97	Nov. 15, 1940	H	D,S	Do.
21	61.8	Nov. 30, 1937	W	D,S,P	Water reported encountered at 200-231 feet.
22	34.67	Dec. 10, 1940	H	D,S	Dug well.
23	19.15	do.	H	D,S	Do.
24	19.16	Jan. 29, 1941	H,W,G	D,S	Dug to 21 feet; drilled from 21 to 41 feet. Water reported from quicksand at 21 feet and in sandy gravel at 41 feet.

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

d/ Reported by driller or owner.

Records of wells and springs in Robertson County--Continued

Well No.	Distance from Bremond	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Weight of measuring point above ground (ft.)
26	9½ miles southwest	George Abraham	--	--	30	30	1.5
28	8¼ miles southwest	--	--	--	17	30	0.5
31	7 miles southwest	Martin B. Kubiak	--	1924	27	30	0.5
32	5½ miles southwest	James T. Love	--	1928	21	30	0.0
33	6½ miles southwest	--	--	--	58	6	1.4
34	7½ miles southwest	R. L. McCall	-- Washman	1928	32	30	2.3
36	6¾ miles south	A. L. Kweling	--	1885	26	6	0.0
37	7½ miles southeast	Robertson County	--	--	29	24	2.0
38	6¼ miles southeast	--	--	--	48	6	1.5
40	5 miles southeast	Willie Heiley	Willie Heiley	1925?	36	30	1.5
41	1½ miles southeast	Edward Goldsinski	--	1905	50	24	1.0
42	3 miles southeast	Stanley Grych	--	--	42	12	3.3
43	2½ miles east	Josie Hopcus	Harry Hopcus	1934	82	30	2.9
44	1½ miles east	Mrs. -- Walker	--	1927	55	36	0.0
45	1 mile east	T. & N. O. R. R.	--	--	16	48	--
46	2 miles northeast	Tom Ficklin	--	1929?	18	30	2.0
47	4 miles northeast	--	--	--	42	24	0.5
48	5¼ miles northeast	J. P. Bodiford	J. P. Bodiford	1905	59	24	0.0
49	4½ miles east	John Duhr	John Duhr	1931?	52	30	0.0
52	3¼ miles east	Bruno Hopcus	--	--	52	24	0.0
53	5 miles southeast	J. S. Allen	--	1940	71	6	0.0
54	6½ miles southeast	Walter Bates	--	1914	67	6	2.4
57	7½ miles southeast	Will Sandford	--	1920?	49	6	0.0

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) a/	Date of measurement			
26	25.15	Jan. 29, 1941	H	D,S	Dug well.
28	14.78	do.	H	D,S	Do.
31	16.65	Jan. 28, 1941	H	D,S	Do.
32	14.37	Dec. 10, 1940	W	D,S	Dug well, supplies most of Hammond.
33	36.40	Jan. 29, 1941	H	D,S	
34	31.35	Dec. 10, 1940	W	D,S	Dug well.
36	20.69	Dec. 7, 1940	H	D,S	
37	22.21	do.	H	D	Dug well. Supplies water for school.
38	41.29	Nov. 15, 1940	H	D	Dug well.
40	19.80	do.	H	D,S	Do.
41	28.41	do.	H	D,S	Do.
42	43.36	do.	H	D,S	Do.
43	74.18	Jan. 9, 1941	H	D,S	Do.
44	50.24	do.	H	D,S	Do.
45	--	Dec. 17, 1940	E	--	Dug well in bed of perennial stream. Supplies railroad 65,000 gallons a day. Known as Willow Creek Spring.
46	11.83	do.	H	D,S	Dug well.
47	41.98	do.	H	D,S	Do.
48	53.65	do.	H	D,S	Do.
49	50.06	Jan. 9, 1941	H	D,S	Do.
52	18.23	do.	H	D,S	Do.
53	62.10	Oct. 19, 1940	H	S	
54	63.20	Nov. 15, 1940	H	D,S	
57	41.48	Nov. 20, 1940	H	D,S	

Records of wells and springs in Robertson County--Continued

Well No.	Distance from Calvert	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
69	4 $\frac{1}{2}$ miles west	National Refg Co. No. 1	National Refg. Co.	1922	3,513	10	--
70	6 $\frac{1}{4}$ miles northeast	--	--	--	45	36	0.0
72	5 $\frac{1}{2}$ miles northeast	W. W. Delcher	--	--	34	24	0.5
74	5 miles northeast	A. N. Elam	--	1935	34	36	0.0
75	4 $\frac{1}{2}$ miles northeast	F. H. Shivers	--	1937	52	6	0.0
78	2 $\frac{1}{4}$ miles northeast	--	--	--	40	36	0.0
80	1 $\frac{1}{2}$ miles northeast	Walter Meier	-- Meier	1911	25	36	2.4
82	1 $\frac{1}{2}$ miles north	N. Elam	--	--	34	6	0.0
83	3 $\frac{1}{2}$ miles north	J. J. Fagan	--	--	34	24	2.0
84	4 $\frac{1}{2}$ miles north	--	--	--	37	30	0.0
85	4 $\frac{1}{2}$ miles northwest	Tom Powell Est.	--	1921	23	6	1.8
86	5 $\frac{1}{2}$ miles northwest	Charley Briggs	--	--	44	6	2.0
88	6 miles northwest	do.	--	1925?	32	24	1.0
90	5 miles northwest	A. Talbot	--	1891	39	24	3.0
92	4 $\frac{1}{4}$ miles northwest	--	--	--	31	6	2.0
96	3 $\frac{1}{2}$ miles northwest	Mrs. D. Doremus	A. C. Brown	1920	309	6-4	0.0
97	5 $\frac{1}{4}$ miles west	Mrs. Katie Norris	--	1880	165	30-4	0.0
98	4 $\frac{1}{4}$ miles west	Eugene Gibson	--	Old	--	4	0.0
99	do.	Reagan McCrary	--	--	27	30	2.0
100	3 $\frac{1}{2}$ miles west	Side of County road	--	1941	43	2	0.0
101	3 $\frac{1}{4}$ miles west	Reagan McCrary	--	Old	450	6	0.0
102	2 $\frac{1}{2}$ miles west	T. H. Cheaves	--	Old	35	50	1.5
103	2 $\frac{1}{4}$ miles west	Luther Royall	Willard Dick	1933?	35	36-24	3.5
104	1 $\frac{1}{4}$ miles northwest	Eugene Gibson	--	Old	500	2	--
105	1 mile northwest	Jack Drenun	--	1906	500	1 $\frac{1}{2}$	1.6
107	$\frac{1}{2}$ mile northwest	C. D. Druary	A. C. Brown	--	--	2	5.3

Well No.	Water level		Method of lift b/	Use of water c/	Remarks
	Below measuring point (ft.) a/	Date of measurement			
69	--	--	None	N	Oil test. See log.
70	37.48	Oct. 29, 1940	H	D	Dug well.
72	22.34	Jan. 28, 1941	H	D,S	Do.
74	25.57	Dec. 7, 1940	H	D,S	Do.
75	44.46	Oct. 29, 1940	H	D,S	
78	31.84	do.	H	D,S	Dug well.
80	18.53	Jan. 28, 1941	H	D,S	Do.
82	19.20	Dec. 7, 1940	H	N	Do.
83	26.97	do.	H	D,S	Do.
84	23.84	Jan. 29, 1941	H	D,S	Do.
85	20.27	do.	H	D,S	
86	38.40	do.	None	H	Dug well.
88	27.23	Jan. 28, 1941	W	D,S	
90	28.31	do.	H	D,S	Dug well.
92	23.43	Dec. 10, 1940	H	N	
96	d/ 25	Jan. 1941	W	D,S	Casing: 40 feet of 6-inch, 269 feet of 4-inch, bottom joint perforated.
97	28.28	Dec. 10, 1940	H	D,S	Casing perforated at 145-165 feet. Supplied gin in 1915.
98	d/ 25	--	H	D,S	
99	26.48	Feb. 12, 1941	H	D	Dug well.
100	15.74	do.	None	N	Seismograph test hole.
101	d/ 20	1940	H	D,S	
102	29.97	Feb. 12, 1941	G	D,S	Dug well.
103	37.94	Dec. 12, 1940	H	D,S	Do.
104	--	Feb. 12, 1941	Flows W	D,S	Reported small flow.
105	+	do.	Flows	D,S	
107	+	do.	Flows	D,S	

Records of wells and springs in Robertson County--Continued

Well No.	Distance from Calvert	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
108	$\frac{3}{4}$ mile northwest	Sol Holliday	-- Garrett	1933?	40	6	1.8
109	At Calvert	Gulf States Utilities Co.	Layne-Texas Co.	1927	680	16-10	0.0
110	do.	Robertson County	A. C. Brown	1931	270	6-4	1.0
111	$\frac{3}{4}$ mile southwest	Sidney Penneta	--	Old	35	30	2.5
113	$1\frac{1}{4}$ miles southwest	--	--	Old	500	2	2.5
114	2 miles southwest	Calvert Country Club	--	1915?	475	$4\frac{1}{2}$	1.0
115	$2\frac{1}{2}$ miles southwest	Eugene Field	--	--	20	24	3.3
116	$4\frac{1}{2}$ miles southwest	Eugene Gibson	A. C. Brown	--	370	6-4	1.3
117	$4\frac{1}{2}$ miles southwest	Eugene Field	--	1929	--	2	--
118	3 miles southwest	Gibson Est.	--	--	--	2	--
119	2 miles southwest	Jim Boney	--	Old	41	30	3.9
122	$3\frac{1}{4}$ miles southeast	Dub Bowen	--	1912	92	36	2.5
124	2 miles southeast	Roseetta Robertson	--	1939	43	6	0.0
126	1 mile southeast	G. B. Mears	A. C. Brown	1926	620	5	0.0
127	do.	do.	do.	1936	620	5	0.0
129	$\frac{3}{4}$ mile northeast	Robertson County	do.	1931	297	6-4 $\frac{1}{2}$	0.0
131	2 miles northeast	K. L. Redjfred	--	1925	19	30	2.0
132	3 miles northeast	Will Dick	--	1930?	20	6	0.0
135	$4\frac{3}{4}$ miles northeast	-- Stegall	--	1885	16	30	0.0
136	3 miles east	Frank Martin	--	1920?	20	24	4.2
137	2 miles southeast	Mrs. Ann Jackson	--	1937	37	6	1.5
142	5 miles southeast	A. Boswell	--	1890	14	30	0.0

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) a/	Date of measurement			
108	35.76	Feb. 12, 1941	H	D,S	
109	5.75	Oct. 20, 1940	C,E, 40	P,Ind	Casing: 205 feet of 16-inch, 475 feet of 10-inch. Screens set at 534-578, 617-638, and 659-680 feet. See log. Drawdown reported 52 feet after pumping 385 gallons a minute for 15 minutes. Supplies water for City of Calvert.
110	28.10	Feb. 12, 1941	Cyl,E, 3/4	D	Casing: 100 feet of 6-inch, 170 feet of 4-inch. Perforated at 250-270 feet. Supplies
111	32.81	do.	W	D,S	Dug well. Calvert Colored School.
113	+	do.	Flows	D,S	
114	+	Dec. 5, 1940	Flows C,E,3	D,S,P	Supplies swimming pool at country club.
115	19.69	do.	H	D,S	Dug well.
116	24.25	Feb. 12, 1941	W	D,S	Casing: 80 feet of 6-inch, 290 feet of 4-inch.
117	+	Dec. 5, 1940	Flows	D,S	
118	+	do.	Flows	D,S	
119	41.15	do.	H	D,S	Dug well.
122	71.72	Feb. 7, 1941	H	D,S	Do.
124	39.10	Nov. 13, 1940	H	D	
126	d/25	1926	W	D	Water reported encountered at 180, 300, and 620 feet. Supplies dairy. Cased to bottom.
127	d/25?	1936	C,E 3	S	Water reported encountered at 180, 300, and 620 feet. Supplies dairy cattle. Cased to 550
129	d/40	1931	Cyl,E, 3/4	I	Casing: 100 feet of 6-inch, 107 feet of 4 1/2-inch, perforated at 257-297 feet.
131	14.18	Dec. 9, 1940	W	D,S	Dug well.
132	16.84	Oct. 29, 1940	H	D	
135	7.38	do.	H	D,S	Dug well.
136	17.64	Feb. 5, 1941	H	D,S	Do.
137	35.23	Dec. 5, 1940	H	D,S	
142	0.65	Feb. 13, 1941	H	D,S	Dug well. Supplied 80 head of cattle during drouth in 1925.

Records of wells and springs in Robertson County--Continued

Well No.	Distance from Hearne	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
150	2 $\frac{1}{2}$ miles north	--	--	--	19	36	0.0
152	2 $\frac{1}{2}$ miles northwest	William Edwards	--	1927	25	42	0.0
154	3 $\frac{1}{2}$ miles northwest	Harlen Farms	--	1900?	300±	1	4.5
155	4 $\frac{1}{2}$ miles northwest	Conway Anderson	--	1900	350	2	2.0
156	5 miles northwest	Walter Whatley	--	1905	960	1	5.0
158	5 $\frac{1}{2}$ miles northwest	W. C. Anderson	--	1890?	550	2	5
159	6 $\frac{1}{4}$ miles northwest	do.	--	1915	700	2	30
160	4 $\frac{1}{2}$ miles northwest	George Whatley	--	1907	960	1	2.0
162	4 $\frac{1}{2}$ miles west	Conway Anderson	--	Old	--	1	2.4
163	4 $\frac{1}{2}$ miles west	Karl Tideman	--	1918	800±	4	8.0
164	5 $\frac{1}{4}$ miles west	do.	--	--	725	4	8.0
165	6 miles west	do.	--	1916	800±	4	4.0
166	4 $\frac{1}{2}$ miles west	R. R. Cole	--	1940	20	30	2.0
167	3 $\frac{1}{2}$ miles west	Conway Anderson	--	Old	--	1	3.0
168	2 $\frac{1}{2}$ miles west	-- Ludson	Floyd Worthington	1941	945	1	2.0
169	2 miles west	do.	--	--	27	36	1.0
171	At Hearne	City of Hearne	Layne-Texas Co.	1935	1,275	10-8-7	1.0
172	1 $\frac{1}{2}$ miles southwest	Mabel S. Hall	W. A. Smith	1938	28	2	0.0
173	2 $\frac{1}{2}$ miles southwest	Jose Ely	--	1926?	--	1 $\frac{1}{2}$	3.8
174	3 miles southwest	Charlie Reistino	--	1904	920	2	5.0
175	4 $\frac{1}{2}$ miles southwest	Elmer Stubbs	Charley Berka	1937	700	1	3.5
177	3 $\frac{1}{2}$ miles southwest	Deming Inv. Co.	--	1890?	500	3-1	4.4
178	3 $\frac{1}{2}$ miles southwest	Joe Larear	--	Old	900	1	11
179	4 $\frac{1}{4}$ miles southwest	do.	--	1890?	500	1	1.0

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) a/	Date of measurement			
150	9.81	Oct. 21, 1940	H	I	Dug well.
152	21.63	Nov. 13, 1940	H	D,S	Do.
154	+	Nov. 18, 1940	Flows	D,S	
155	+	Feb. 7, 1941	Flows	D,S	
156	+	do.	Flows	D,S	
158	+	Feb. 5, 1940	Flows	D,S	
159	+	do.	Flows	D,S, Ind	Water reported encountered at 450 and 550 feet. Reported flow 50 to 60 gallons a minute. Supplies gin.
160	+	Feb. 7, 1941	Flows	D,S	
162	+	do.	Flows	D,S	
163	+	Nov. 1, 1940	Flows	D,S	Estimated flow, 20 gallons a minute. Supplies gin.
164	+	Feb. 7, 1941	Flows	D,S	Estimated flow, 35 gallons a minute.
165	+	Nov. 1, 1940	Flows	D,S	Reported would flow 100 feet above land surface when drilled.
166	18.20	do.	H	D	Dug well.
167	+	Feb. 7, 1941	Flows	D,S	Reported will flow 28 feet above land surface.
168	+	Jan. 23, 1941	Flows	S	Reported will flow 22 feet above land surface. Cased to bottom, bottom joint perforated. Water reported encountered at 540, 700, and 885 feet. See log.
169	16.25	Nov. 1, 1940	H	D,S	Dug well.
171	+	Feb. 7, 1941	Flows	P	Casing: 651 feet of 10-inch, 1,135 feet of 8-inch, 1,275 feet of 7-inch. Screen set at 1,129-1,275 feet. Flow of 573 gallons a minute measured and reported by driller. See log.
172	d/ 28	1938	E	D,S	
173	+	Feb. 13, 1941	Flows	D,S	
174	+	do.	Flows	D,S	
175	+	do.	Flows	D,S	
177	+	do.	Flows	D,S	
178	+	do.	Flows	D,S	
179	+	do.	Flows	D	

Records of wells and springs in Robertson County--Continued

Well No.	Distance from Hearne	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
180	4 $\frac{1}{2}$ miles southwest	Fred Wood	Charley Berka	1933	648	1	4.4
181	4 $\frac{1}{2}$ miles southwest	Joe Cotropia	--	1898	675+	2	3.5
182	3 miles southwest	Frances Altimore	Charley Berka	1931	380	1	4.3
183	3 $\frac{1}{2}$ miles southwest	John F. Cuchia	do.	1934	400	1	10.8
185	4 miles south	L. D. Benedetto	--	1921	--	1	3.0
186	5 miles southwest	Cotropia Est.	--	--	--	2	2.7
187	4 $\frac{1}{2}$ miles south	T. L. Pizalate	Tony Ruffino	1929	465	1	3.0
188	4 $\frac{1}{2}$ miles south	Frank Pizalate	Charley Berka	1934	360	1	4.8
189	do.	John Grace	--	--	--	1	3.5
190	5 miles south	Tony Ruffino	Charley Berka	1934	500	1	2.5
191	4 $\frac{1}{2}$ miles south	Pete Nigliazzo	--	Old	800	1	2.7
192	6 miles south	do.	Charley Berka	1938	500	1	3.9
194	6 $\frac{1}{2}$ miles south	M. M. Ottea	do.	1928	500	1	2.5
195	6 $\frac{1}{2}$ miles south	T. D. Wilson	--	Old	--	1	11.0
197	7 miles south	-- Lazarone	--	Old	475+	1	3.2
198	7 $\frac{1}{2}$ miles south	Sam P. Scamardo	--	Old	900+	2	--
199	do.	Lewis J. Fachorn	--	1897	620	2	2.7
200	8 miles south	Joe Reistino	--	Old	600	1	3.0
202	8 $\frac{1}{2}$ miles south	L. P. Scamardo	Floyd Worthington	1925	560	1	1.4
203	8 $\frac{1}{2}$ miles south	Joe Reistino	--	1900?	400+	2	--
205	9 miles south	Tony Ottea	--	Old	800+	3	4.5
206	9 $\frac{1}{4}$ miles south	do.	--	--	595	1	14
207	9 $\frac{1}{4}$ miles south	do.	--	--	--	1	3.0
208	9 $\frac{1}{2}$ miles south	I. & G. N. R. R.	Floyd Worthington	1926	800	2	12
210	9 $\frac{1}{2}$ miles south	J. H. Collier	--	1910	700	2	--
211	10 $\frac{1}{2}$ miles south	E. H. Astin	--	1940	800	1	3.5

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
180	+	Feb. 13, 1941	Flows	D,S	
181	+	do.	Flows	D,S	
182	+	Feb. 5, 1941	Flows	D,S	Flows at 8 feet above land surface.
183	+	do.	Flows	D,S	
185	+	do.	Flows	D,S	
186	+	Feb. 11, 1941	Flows	D,S	
187	+	Feb. 5, 1941	Flows	D,S	
188	+	do.	Flows	D,S	
189	+	Nov. 18, 1940	Flows	D,S	
190	+	Feb. 5, 1941	Flows	D,S	
191	+	do.	Flows	S	
192	+	do.	Flows	D,S	Cased to 470 feet.
194	+	Nov. 18, 1940	Flows	D,S	Cased to bottom.
195	+	Feb. 5, 1941	Flows	D,S	
197	+	Feb. 11, 1941	Flows	D,S	
198	+	Jan. 21, 1941	Flows	D,S	
199	+	Feb. 5, 1941	Flows	D,S, Ind	Cased to bottom. Supplies gin.
200	+	Feb. 11, 1941	Flows	D,S	
202	+	Feb. 5, 1941	Flows	D,S	
203	+	Nov. 18, 1941	Flows	D,S	
205	+	Feb. 5, 1941	Flows	D,S	
206	+	do.	Flows	D,S	
207	+	do.	Flows	S	
208	+	Feb. 11, 1941	Flows	D,S	Cased to bottom.
210	+	Nov. 18, 1940	Flows	D,S,P	Supplies about half of population of Mumford and school.
211	+	Feb. 11, 1941	Flows	D,S	

Records of wells and springs in Robertson County--Continued

Well No.	Distance from Hearne	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
212	10 $\frac{1}{2}$ miles south	E. H. Astin	--	--	800	1	3.3
213	11 $\frac{1}{2}$ miles south	Astin Gin Co.	-- Cook	1936	1,054	4-2	--
215	10 $\frac{1}{2}$ miles south	E. H. Astin	--	Old	--	1	3.7
216	10 $\frac{1}{2}$ miles southeast	do.	--	--	700±	1	4.0
217	10 miles southeast	Ivan Langford	--	1900	340	2	4.0
218	do.	do.	--	1906	240	2	2.0
219	10 $\frac{1}{2}$ miles southeast	Dewitte Bailey	Dewitte Bailey	1923	25	6	2.9
220	do.	Henry Bowman	Charley Berka	1926	217	4	0.0
221	11 $\frac{1}{2}$ miles southeast	T. & N. O. R. R.	--	1890	385	8	0.0
222	do.	Sam H. Seale	Tom McCallum	1911?	203	8	0.0
223	11 $\frac{1}{2}$ miles southeast	Bill Morrison	Henry Dickson	1921	200	3	0.0
224	do.	Walter Cole	--	Old	200±	4	0.0
226	9 $\frac{1}{2}$ miles southeast	Mrs. H. R. Sadberry	--	1927	225	2	--
227	do.	do.	--	1927	800	1	0.0
228	9 miles southeast	Lola Sargent	--	Old	700	4	0.0
229	8 $\frac{1}{2}$ miles southeast	Mrs. -- Pursell	Tom Peyton	1922	94	6	2.8
232	8 miles southeast	--	--	--	17	24	0.0
233	7 $\frac{1}{2}$ miles southeast	H. L. Greer	J. L. Cannon	1940	37	6	1.5
234	6 $\frac{1}{2}$ miles southeast	J. J. Fagan	--	1880?	--	3	--
235	do.	Martha McDaniel	--	1937	21	6	1.5
237	7 $\frac{1}{4}$ miles southeast	S. O. Moss	Joe Squires	1940	37	6	2.0
238	5 $\frac{1}{2}$ miles southeast	W. A. Nichols	W. A. Nichols	1939	56	6	0.0
239	5 miles southeast	J. L. Fulton	Ben Garrett	1940	29	6	2.5
242	4 $\frac{1}{4}$ miles east	Timmons Est.	John Cannon	1938	37	6	2.0
244	2 miles southeast	Humble Pipe Line Co.	Layne-Texas Co.	1923	600	24	1.0
245	1 mile northeast	J. C. News	--	1934	53	6	2.0

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) a/	Date of measurement			
212	+	Feb. 11, 1941	Flows	D,S	
213	+	Nov. 18, 1940	Flows	D,S, Ind	Casing: 160 feet of 4-inch, 1,042 feet of 2-inch. Supplies gin.
215	+	Feb. 11, 1941	Flows	S	
216	+	do.	Flows	D,S	
217	+	do.	Flows	H	Cased to 280 feet.
218	+	do.	Flows	D,S	Cased to 200 feet.
219	15.44	do.	H	D,S	Cased to bottom.
220	d/ 40.0	Feb. 3, 1941	W	D,S	Water reported encountered at 80 and 140 feet. Cased to 124 feet.
221	64.14	do.	None	H	Cased to bottom.
222	60.00	do.	W	D,S	Do.
223	d/ 25	Summer 1940	H	D,S	Cased to 90 feet.
224	d/ 25	1940	H	H	
226	+	Nov. 18, 1940	Flows	D,S	Cased to 225 feet.
227	d/ 2.0	1927	W	D,S	Cased to bottom.
228	d/ 7.0	1939	W	D,S	Flowed when drilled. Cased to 675 feet.
229	57.15	Feb. 3, 1941	H	D	Cased to bottom.
232	16.45	Nov. 4, 1940	H	D,S	Dug well.
233	34.78	Feb. 3, 1941	H	D	Cased to bottom.
234	+	Nov. 18, 1940	Flows	D,S	
235	6.20	Feb. 3, 1941	H	D	Cased to bottom.
237	35.25	Dec. 12, 1940	H	D	Do.
238	30.25	do.	H	D,S	Do.
239	24.51	Feb. 3, 1941	H	S	Cased to bottom.
242	22.77	Dec. 12, 1940	H	D,S	Do.
244	d/ 35.0	--	C, B, 35	D	
245	49.25	Nov. 18, 1940	H	D,S	Cased to bottom.

Records of wells and springs in Robertson County--Continued

Well No.	Distance from Hearne	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
246	2 miles northeast	Warren Wilkerson	--	1914?	37	53	2.5
247	3 $\frac{1}{2}$ miles northeast	H. B. Dotson	--	1922	62	30	1.0
249	4 $\frac{1}{2}$ miles northeast	Harve Ross	--	--	25	6	0.0
250	9 $\frac{1}{4}$ miles northeast	George M. Brock	--	1915	27	6	1.6
251	11 miles east	Clark Kellough	--	1940	44	6	2.3
252	12 miles east	J. J. Scasta	--	1890?	47	30	0.0
253	13 $\frac{1}{2}$ miles east	J. C. Pruett	--	--	24	30	0.0

Well No.	Distance from Franklin	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
260	9 $\frac{1}{2}$ miles southeast	O. C. Melton	--	--	34	30	3.3
261	8 $\frac{1}{2}$ miles southeast	--	--	--	44	7	2.2
262	do.	-- Abbot	--	--	52	6	1.8
263	5 $\frac{1}{2}$ miles southeast	Mrs. -- Ewing	--	--	40	6	0.0
264	7 $\frac{1}{4}$ miles southeast	Mrs. C. E. Ellison	Wade Cross	1937	78	6	0.0
265	6 $\frac{3}{4}$ miles southeast	M. G. Tullcus	M. G. Tullous	1940	68	6	2.5
266	6 $\frac{1}{2}$ miles southeast	Joe Morgan	Joe Morgan	1934	39	6	1.0
267	5 miles southeast	C. B. Carter	--	1920?	27	6	0.0
269	do.	L. Moore	--	1915?	50	12	0.0
270	4 miles southeast	R. S. Smith	R. S. Smith	1917	30	6	1.3
272	3 $\frac{1}{2}$ miles southeast	--	--	--	23	6	0.0
274	1 $\frac{1}{3}$ miles southeast	V. C. Cox	--	1915	35	36	0.0
275	At Franklin	Gulf States Utilities Co.	--	1921?	169	10	0.0
276	1 $\frac{1}{4}$ miles south	W. T. Mauk	Louie Brunett	1940	35	6	1.4
279	2 $\frac{1}{2}$ miles south	-- Johnson	--	1920?	26	48	0.0
281	3 miles south	Edd Fulton	George Jones	1935	41	6	2.0

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) a/	Date of measurement			
246	32.90	Nov. 1, 1940	H	D,S	Dug well.
247	56.97	do.	W	D,S	Do.
249	21.10	do.	H	D	
250	19.30	Dec. 16, 1940	H	D,S	Cased to 8 feet.
251	30.85	do.	H	D,S	Cased to bottom.
252	39.50	Oct. 22, 1940	H	D	Dug well.
253	6.33	Jan. 20, 1941	H	D,S	Do.
Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) a/	Date of measurement			
260	32.86	Jan. 20, 1941	H	D	Dug well.
261	39.71	do.	H	D,S	
262	50.40	do.	H	D	
263	35.65	Nov. 12, 1940	H	D	
264	71.47	Oct. 22, 1940	H	D	Cased to 74 feet.
265	67.15	Jan. 13, 1941	H	D,S	Cased to bottom.
266	36.80	do.	H	D,S	Do.
267	14.18	Oct. 22, 1940	H	D,S	Cased to 26 feet.
269	d/ 28.0	Sept. -- 1940	W	D,S	Cased to bottom.
270	20.45	Jan. 13, 1941	H	D,S	
272	15.30	Nov. 12, 1940	None	N	
274	4.65	do.	H	D,S	Dug well.
275	d/ 69	1938	A,E	P	Drawdown 99 feet after pumping 30 minutes at 125 gallons a minute. Cased to bottom.
276	32.00	Jan. 13, 1941	H	D,S	
279	21.08	Oct. 22, 1940	None	II	Dug well.
281	34.50	Feb. 10, 1941	H	D,S	Cased to bottom.

Records of wells and springs in Robertson County--Continued

Well No.	Distance from Franklin	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
283	5 miles south	Jimmy Beal	Jim Gray, Jr.	1913	25	6	0.0
285	6 $\frac{1}{2}$ miles south	Julie Moore	Jiles Tate	1935	70	6	0.0
286	8 $\frac{1}{2}$ miles southwest	--	--	--	20	6	0.0
289	7 $\frac{1}{2}$ miles southwest	Robertson County	H. M. Dotson	1934	321	6	0.0
290	7 $\frac{1}{4}$ miles southwest	J. R. Gandy	Arthur Bishop	1930	17	36	0.0
292	6 miles southwest	State Highway Dept.	--	--	25	36	0.0
294	4 $\frac{1}{4}$ miles southwest	Oscar Scott	--	1940	16	48	1.6
298	do.	E. M. Towns	E. M. Towns	1940	12	48	0.0
300	3 miles southwest	M. L. McFillan	M. L. McFillan	1939	25	48	3.0
312	5 miles west	Mrs. Alice Gregory	Charlie Gregory	1910	54	30	0.0
314	3 $\frac{1}{2}$ miles west	Dr. -- Hurt	--	1939	10	56	0.0
315	4 $\frac{1}{2}$ miles west	T. A. Luster	--	1905?	55	36	2.5
316	4 $\frac{1}{2}$ miles west	do.	T. A. Luster	1930	29	24	2.5
317	5 $\frac{1}{2}$ miles northwest	John Fagin	--	--	108	6	0.0
319	5 miles northwest	J. D. Arnett	--	1912	38	6	0.0
324	6 $\frac{1}{2}$ miles northwest	C. M. Campbell	--	--	56	36	0.0
329	8 miles northwest	--	--	--	52	6	2.3
332	10 $\frac{1}{2}$ miles northwest	Mrs. J. R. Jenkins	J. D. Rhodes	1916	36	6	2.8
333	9 miles northwest	Sam Rogers	--	1911?	31	30	0.0
336	7 miles northwest	Cazy Est.	Cleve Dowdy	1939	54	6	0.0
338	6 $\frac{1}{2}$ miles northwest	Lamar Engram	--	--	64	3	2.9
342	5 $\frac{1}{4}$ miles northwest	B. T. Baxter	--	1900	49	36	1.0
344	4 miles northwest	--	--	--	23	48	2.0
345	3 $\frac{1}{2}$ miles northwest	J. R. Turner	--	1850?	43	36	0.0
346	3 miles northwest	Will Baxter	--	--	Spring	--	--
350	1 $\frac{1}{2}$ miles northwest	T. C. Shipper	--	1940	49	6	2.3

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) a/	Date of measurement			
283	19.93	Nov. 1, 1940	H	D	Cased to bottom
285	61.80	do.	H	D,S	Do.
286	16.00	do.	H	D	
289	d/ 100.0	Sept. --- 1934	H	D	Cased to bottom. Supplies county school at Elliott.
290	8.80	Oct. 21, 1940	H	D	Dug well.
292	14.01	Feb. 13, 1941	None	N	Do.
294	14.96	Nov. 30, 1940	H	D	Do.
298	7.30	Oct. 21, 1940	H	D,S	Do.
300	12.22	Nov. 30, 1940	H	N	Do.
312	47.20	Oct. 29, 1940	H	D	Do.
314	6.00	Oct. 23, 1940	H	D,S	Do.
315	26.18	Nov. 20, 1940	H	S	Do.
316	28.65	Nov. 21, 1940	H	D	Do.
317	61.87	Jan. 28, 1941	W	N	
319	17.32	Oct. 29, 1940	H	D,S	Cased to bottom.
324	49.03	Oct. 19, 1940	H	D,S	Dug well.
329	45.60	Nov. 29, 1940	H	D	
332	30.64	Jan. 9, 1941	H	D	
333	29.76	do.	W	D,S	
336	39.20	Nov. 6, 1940	H	D	Cased to bottom.
338	--	--	H	D	
342	46.93	Nov. 29, 1940	H	D,S	Dug well.
344	17.30	do.	H	N	Do.
345	32.40	Oct. 19, 1940	H	D,S	Do.
346	--	do.	Flows	D,S	
350	46.10	Nov. 11, 1940	H	D	

Records of wells and springs in Robertson County--Continued

Well No.	Distance from Franklin	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
351	4 miles southeast	Wm. Sackville	Albert L. Griffith	1930	3,505	--	--
352	10 $\frac{1}{2}$ miles northeast	-- Brown	Investment and Mapel	1923	4,140	10 $\frac{1}{2}$	--
353	7 miles north	-- Boyd	Franklin Oil Association	1923	4,415	--	--
354	3 miles northwest	Mrs. Dave Wilson	--	--	Spring	--	--
356	4 $\frac{1}{2}$ miles northwest	Wiley Robertson	--	--	39	48	0.0
357	6 $\frac{1}{2}$ miles north	Weideman Est.	Buster Jett	1939	40	6	0.0
358	8 $\frac{1}{2}$ miles north	Holman Est.	--	1931	53	6	1.8
359	8 miles north	J. T. Boyd	--	1890	54	6 $\frac{1}{2}$	1.0
361	8 $\frac{3}{4}$ miles northwest	Annie Sanders	--	1920	48	36	0.0
363	9 miles north	H. L. Mitchell	--	1911?	72	10	2.4
365	9 $\frac{1}{4}$ miles north	Glen Smith	Jim Johnson	1940	35	36	2.8
367	10 miles north	--	--	--	77	6	2.0
369	10 $\frac{1}{2}$ miles north	--	--	--	26	36	3.0
370	10 $\frac{1}{4}$ miles north	W. C. Shipper	W. C. Shipper	1926	48	6	0.0
372	10 $\frac{1}{2}$ miles northwest	C. E. Petteway	C. E. Petteway	1938	18	48-36	0.0
373	12 $\frac{1}{4}$ miles north	C. Tate	--	1933?	18	48	0.0
374	12 $\frac{1}{2}$ miles north	do.	--	--	Spring	--	--
375	12 $\frac{1}{2}$ miles northwest	J. A. Jackson	J. P. Watson	1940	64	6	2.1
376	15 miles northwest	Federal Land Bank	Sidney Rhodes	1939	79	6	1.9
377	14 miles north	--	--	--	48	36	0.0
378	15 $\frac{1}{4}$ miles north	Breed Est.	Jim Brown	1918	51	30	2.5
379	16 $\frac{1}{2}$ miles north	Tom Greer	--	--	65	6	2.4
380	16 $\frac{1}{2}$ miles north	Lully Hill	--	--	23	24	0.0
381	14 miles north	Mrs. Vernie Gilbert	Cleve Dowty	1940	89	6	1.7
382	12 $\frac{1}{4}$ miles northeast	Jasper Burns	--	1933	75	6	0.0
383	11 $\frac{1}{4}$ miles northeast	Guy Hooper	Bob Cole	1900	230	--	0.4

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
351	--	--	None	N	Oil test. See log.
352	--	--	None	N	Do.
353	--	--	None	N	Do.
354	--	Nov. 29, 1940	Flows	D,S	
356	30.50	Nov. 6, 1940	H	D,S	Dug well.
357	29.40	do.	H	D,S	Cased to 15 feet.
358	40.38	Jan. 8, 1941	H	D,S	
359	37.95	Nov. 6, 1940	W	D,S	Dug well.
361	42.60	do.	H	D,S	Do.
363	66.33	Jan. 9, 1941	H	D	Cased to 16 feet.
365	32.78	Jan. 8, 1941	H	D,S	Dug well.
367	71.98	Nov. 12, 1940	None	N	
369	26.51	do.	H	S	Dug well.
370	37.00	Nov. 6, 1940	H	D	Cased to bottom.
372	17.40	do.	H	D	Dug well.
373	13.26	do.	G	D,S	Do.
374	--	do.	Flows	S	
375	61.20	Dec. 17, 1940	H	D	Cased to 60 feet.
376	76.16	do.	H	D	Cased to bottom.
377	46.08	do.	H	D,S	Dug well.
378	41.23	Dec. 9, 1940	None	N	Do.
379	58.93	do.	H	D,S	
380	11.71	do.	None	N	Dug well.
381	85.15	Jan. 8, 1940	H	D,S	Cased to bottom.
382	58.13	Nov. 12, 1940	None	N	
383	67.27	Feb. 3, 1941	W	D,S	

Records of wells and springs in Robertson County--Continued

Well No.	Distance from Franklin	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
385	12 $\frac{3}{4}$ miles northeast	L. D. Hager	-- Bectold	1939	30	6	2.0
386	12 $\frac{3}{4}$ miles northeast	Zeal Weir	Zeal Weir	1939	92	56	1.5
387	13 $\frac{1}{2}$ miles northeast	Robertson County	--	--	39	30	0.5
388	14 miles northeast	J. C. Reagan	--	1930?	65	12	2.8
389	14 $\frac{1}{2}$ miles northeast	Mrs. J. S. Blackburn	Zeal Weir	1939	72	36	1.0
390	16 miles northeast	--	--	--	72	30	3.0
391	15 $\frac{3}{4}$ miles northeast	Doc. B. Turner	Cleve Dowdy	1938	31	6	1.9
392	15 $\frac{3}{4}$ miles northeast	H. A. Lincoen	Jim Brown	1920	60	36	2.7
393	16 $\frac{1}{4}$ miles northeast	W. R. Starks	W. R. Starks	1938	18	24	1.5
394	17 miles northeast	J. V. Johnson	--	1900	35	30	2.4
395	17 $\frac{1}{2}$ miles northeast	J. P. Pace	J. P. Pace	1939	56	24	2.5
396	18 $\frac{1}{2}$ miles northeast	--	Jim Brown	1935	32	36	2.3
397	20 $\frac{1}{4}$ miles northeast	Mrs. Jim Henson	--	--	110	3	0.0
398	21 $\frac{1}{4}$ miles northeast	W. W. Goodman	Jack Seale	1940	43	6	2.3
399	22 miles northeast	--	--	--	30	24	0.0
400	21 miles northeast	R. C. Turner	R. C. Turner	1934	28	6	2.4
401	20 miles northeast	W. E. Hughes	Jack Seale	1939	28	6	1.4
402	19 $\frac{3}{4}$ miles northeast	Robertson County	Jim Brown	1940	43	30	3.3
403	19 $\frac{1}{4}$ miles northeast	G. E. Bishop	--	--	77	56	2.2
404	18 $\frac{1}{2}$ miles northeast	Ernest Turner	Jim Brown	1936	51	30	2.3
405	20 miles northeast	--	--	--	12	36	2.7
406	18 miles northeast	--	--	--	49	12	2.8
407	17 $\frac{1}{4}$ miles northeast	A. C. Padgett	Bob Horn	1925	51	30	2.5
408	15 $\frac{1}{2}$ miles northeast	J. C. Reagan	Louie Brunett	1935	51	6	0.0
409	15 miles northeast	G. T. Reagan	do.	1939	24	6	2.3
410	13 $\frac{3}{4}$ miles northeast	-- Dunkum	--	1940	25	36	3.2

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) a/	Date of measurement			
385	21.95	Feb. 4, 1941	H	D,S	Cased to bottom.
386	77.44	Nov. 12, 1940	H	N	Dug well.
387	31.48	Jan. 8, 1941	H	D	Dug well. Supplies county school.
388	64.35	do.	H	D	
389	70.56	do.	W	D,S	
390	73.17	do.	None	N	Dug well.
391	28.30	do.	H	D,S	Cased to bottom.
392	56.11	Feb. 4, 1941	W	D,S	Dug well.
393	15.70	Jan. 8, 1941	H	D,S	Do.
394	33.93	do.	H	D,S	Do.
395	56.06	Dec. 9, 1940	H	D,S	Do.
396	33.19	Feb. 4, 1941	None	N	Do.
397	34.08	Dec. 9, 1940	C, E, $\frac{1}{2}$	D,S	No casing.
398	25.95	Feb. 4, 1941	H	D,S	Cased to bottom.
399	27.64	do.	H	S	Dug well.
400	26.78	do.	H	D	Cased to bottom.
401	13.79	do.	H	S	Cased to bottom.
402	35.76	do.	H	D	Dug well. Supplies county school.
403	41.68	Dec. 9, 1940	H	D,S	Dug well.
404	39.38	Feb. 4, 1941	H	D	Do.
405	8.21	do.	F	I	Do.
406	43.62	Dec. 9, 1940	H	D	
407	5.57	Feb. 4, 1941	H	D	Dug well.
408	48.80	Dec. 9, 1940	None	N	
409	7.71	Feb. 4, 1941	H	S	Cased to bottom.
410	21.34	Dec. 9, 1940	H	D,S	Dug well.

Records of wells and springs in Robertson County--Continued

Well No.	Distance from Franklin	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
411	15 miles northeast	S. E. Gray	--	--	Spring	--	--
412	do.	do.	Louie Brunett	1937	25	6	0.0
413	13 miles northeast	Henry Perkins	--	--	44	6	2.8
414	12 miles northeast	T. L. Johnson	Elmo Dickey	1920	76	12	1.7
416	10 $\frac{1}{2}$ miles northeast	G. H. Ingram	Dan Curry	1933	49	6	0.0
420	9 $\frac{1}{2}$ miles northeast	J. S. Price	L. L. Ainsworth	1937	54	30	0.0
422	11 $\frac{1}{2}$ miles northeast	Caster Est.	--	--	21	42	0.0
423	12 $\frac{1}{4}$ miles northeast	Mrs. L. C. McClure	--	1925	11	48	0.0
424	11 $\frac{1}{4}$ miles northeast	J. W. Caldwell	--	--	17	36	0.0
426	11 $\frac{1}{2}$ miles northeast	J. H. Ingram	--	1920	67	6	2.5
427	10 miles northeast	W. B. Hana	Louie Brunett	1934	34	6	1.7
428	9 $\frac{1}{2}$ miles northeast	J. J. Stevens	Lace Ferguson	1923	26	6	2.2
431	8 $\frac{1}{2}$ miles northeast	Stanolind Pipe Line Co.	Stanolind Pipe Line Co.	1925	90	4	1.0
433	9 miles northeast	Lee Eaton	--	1938	26	6	1.8
434	8 $\frac{1}{4}$ miles northeast	G. H. Ingram	Louie Brunett	1935	44	6	0.0
437	6 $\frac{1}{2}$ miles northeast	Mrs. -- Hanhart	F. W. Hanhart	1936	34	30	2.5
438	6 miles northeast	C. A. Eastep	C. A. Eastep	1940	48	48	0.0
440	5 $\frac{1}{2}$ miles northeast	Matt McBride	--	1930?	38	6	0.0
444	3 $\frac{1}{2}$ miles northeast	J. G. Rabe	--	1925	202	4	0.0
445	4 miles northeast	Paul Schultz	--	--	42	30	2.0
451	2 $\frac{1}{4}$ miles northeast	Mrs. Garrett Rabe	T. Rabe	1937	28	6	2.2
460	2 $\frac{1}{2}$ miles east	A. Sixt	Louie Brunett	1932	44	6	0.0
461	3 $\frac{1}{4}$ miles east	L. F. Ferguson	--	--	40	6	1.6
463	5 $\frac{1}{2}$ miles east	Grady Mauk	Steve Donald	1930	27	30	0.0
465	5 miles northeast	Roger May	--- Warner	1930	45	6	0.0
467	7 miles northeast	August Leavine	Louie Brunett	1940	33	7	1.1

Well No.	Water level		Method of lift b/	Use of water c/	Remarks
	Below measuring point (ft.) a/	Date of measurement			
411	--	Oct. 18, 1940	Flows	D,S	Flow 2 gallons a minute from sand. Reported never to have failed.
412	20.92	do.	H	D	
413	40.05	Dec. 9, 1940	None	N	
414	65.98	do.	H	D	Cased to 16 feet.
416	44.54	Nov. 12, 1941	H	D	Cased to bottom.
420	35.37	Nov. 14, 1941	H	N	Dug well.
422	14.90	Dec. 9, 1940	None	N	Do.
423	7.72	Oct. 18, 1940	H	D,S	
424	12.20	Nov. 27, 1940	None	N	Dug well.
426	61.20	Jan. 3, 1941	H	D,S	Cased to bottom.
427	32.56	do.	H	D	
428	16.44	Nov. 27, 1940	H	D,S	Cased to bottom.
431	48.13	Oct. 18, 1940	A,G	D	Do.
433	18.30	Jan. 13, 1941	H	D	Do.
434	37.70	Nov. 14, 1940	H	D,S	Do.
437	34.09	Jan. 3, 1941	H	D,S	Dug well.
438	9.83	Oct. 18, 1940	H	N	Do.
440	28.20	Oct. 28, 1940	H	D,S	
444	d/ 40?	Sept., -- 1939	C.E. ¹ / ₃	D,S	Cased to 190 feet. Quicksand reported from 150 to 190 feet.
445	38.38	Nov. 14, 1940	None	N	Dug well.
451	6.02	Nov. 30, 1940	H	N	
460	39.13	Oct. 23, 1940	H	D,S	Cased to bottom.
461	25.10	Jan. 3, 1941	H	D	
463	23.25	Oct. 23, 1940	H	D,S	Dug well.
465	41.70	Oct. 18, 1940	H	D,S	Cased to bottom.
467	29.15	Jan. 24, 1941	H	D,S	Do.

Records of wells and springs in Robertson County--Continued

Well No.	Distance from Franklin	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
468	8 miles northeast	G. G. Beckett	--	1925?	24	6	0.0
471	7 $\frac{1}{4}$ miles east	Federal Land Bank	L. F. Ferguson	1940	21	6	0.0
473	8 $\frac{1}{4}$ miles east	L. O. Cazez	--	--	Spring	--	--
475	9 $\frac{1}{2}$ miles east	W. T. McBride	Lace Ferguson	1939	22	8	2.0
477	10 $\frac{1}{4}$ miles east	C. W. Leggett	L. F. Ferguson	1937	27	6	0.0
479	10 $\frac{1}{2}$ miles east	Robertson County	--	--	26	36	2.0
482	12 miles east	W. A. Southworth	--	1935	35	6	0.0
484	13 $\frac{1}{4}$ miles east	W. R. McDonald	L. F. Ferguson	1935	45	6	0.0
485	13 $\frac{1}{2}$ miles east	W. A. Southworth	--	1935	44	6	0.0
486	do.	do.	--	1937	300	4	0.0
487	12 $\frac{1}{2}$ miles east	do.	--	--	23	6	0.0
490	7 $\frac{1}{2}$ miles southeast	T. D. Welch	Odell James	1940	57	6	0.0
493	9 miles southeast	Mrs. R. F. Moore	--	1918?	190	--	0.0
495	10 $\frac{1}{2}$ miles southeast	Bell Miller	--	--	18	6	2.7
498	12 $\frac{1}{2}$ miles southeast	Mrs. Easter Parker	--	1936	28	8	1.0

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

b/ H, hand pump or bucket and rope; W, windmill; C, centrifugal; Cyl, cylinder; T, turbine; A, air lift; E, electric motor; G, gasoline engine. Number indicates horsepower.

Well No.	Water level		Method of lift	Use of water	Remarks
	Below measuring point (ft.) <u>a/</u>	Date of measurement			
468	19.00	Oct. 28, 1940	H	D,S	Cased to bottom.
471	9.05	do.	H	D,S	Do.
473	--	do.	--	D,S	Estimated flow 2 gallons a minute from sand. Reported not to have failed in 57 years.
475	18.42	Jan. 24, 1941	H	D,S	Cased to bottom.
477	22.50	Oct. 28, 1940	H	D	Do.
479	21.93	do.	H	N	Formerly supplied county school.
482	23.80	do.	H	D	
484	40.68	do.	H	D	Cased to bottom.
485	38.60	do.	H	D	Do.
486	29.05	do.	G	N	
487	14.86	Jan. 24, 1941	None	N	
490	52.24	Oct. 23, 1940	H	D,S	Cased to bottom.
493	<u>d/</u> 65	1940	G	D,S	Water reported encountered at 85 feet. Supplied most of Eaton.
495	11.46	Jan. 21, 1941	H	D	
498	24.91	Jan. 20, 1941	H	D,S	No casing.

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

d/ Reported by driller or owner.

Table of Drillers' Logs, Robertson County, Texas

	Thickness (feet)	Depth (feet)
Driller's log of well 1		
I. & G. N. R.R., owner,		
Soil	7	7
Sand	8	15
Clay	27	42
Sand	18	60
Clay	100	160
Sand	60	220
Gumbo	20	240
Sand	16	256
Gumbo	34	290
Sand	30	320
Lignite	10	330
Gumbo, boulders	220	550
Rock	3	553
Gumbo, boulders	117	670
Sand	12	682
Gumbo, boulders	38	720
Sand	14	734
Rock	6	740
Sand	30	770
Gumbo	126	896
Sand	14	910
Gumbo, boulders	85	995
Sand	13	1008
Gumbo	69	1077
Hard packed sand	10	1087
Water sand	87	1174
TOTAL DEPTH		1174

	Thickness (feet)	Depth (feet)
Driller's log of well 3		
City of Hearne, owner.		
Surface clay	12	12
Sand	28	40
Clay, gravel, boulders	28	68
Adobe clay, gravel, boulders and rock	57	125
Packed sand	25	150
Pyrites	1	151
Gumbo	39	190
Sand	10	200
Gravel	40	240
Adobe clay, gravel	145	385
Gravel	20	405
Clay, boulders	40	445
Gravel, boulders	5	450
Rock	4	454
Packed sand	19	473
Gravel, sand, boulders	10	483
Packed sand	12	495
Fine-grained sand	10	505
Clay, boulders	15	520
Gravel, sand, boulders	15	535
Clay, boulders	11	546

	Thickness (feet)	Depth (feet)
Driller's log of well 3--Cont.		
Rock	2	548
Packed sand	22	570
Gravel, boulders	8	578
Clay, boulders	52	630
Gravel, boulders	30	660
Hard packed sand	10	670
Water sand, gravel	7	740
TOTAL DEPTH		743

	Thickness (feet)	Depth (feet)
Partial driller's log of well 4		
L. C. Gilman Oil Corp. - Hearne Production		
No. 1.		
Alluvial soil	26	26
Clay	49	75
Lignite	3	78
Sandy shale	12	90
Lignite	5	95
Sandy shale	57	152
Rock	2	154
Sandy shale	177	331
Blue shale	71	402
Boulders	1	403
Sticky shale	52	455
Sand	40	495
Blue shale	20	515
Sand	25	540
Shale	70	610
Sticky shale	104	714
Boulders	1	715
Shale	115	830
Sand	39	869
Artesian water broke in, flowing out of 10-inch casing		
Rock	0	870
Sand	15	890
Shale	30	920
Sand	10	930
Sticky gumbo	20	950
Gumbo	18	968
Rock	1	969
Sand	16	985
Sticky shale, boulders	30	1015
Sticky shale	20	1035
Gumbo	30	1065
Sand	20	1085
Sticky shale	20	1105
Shale, boulders	21	1126
Shale	10	1136
Rock	3	1139

(Continued on next page)

Table of Drillers' Logs, Robertson County--Continued

	Thickness (feet)	Depth (feet)
<u>Partial driller's log of well 4--Cont.</u>		
Shale-	16	1155
Lignite-	15	1170
Gumbo-	40	1210
Sticky shale and boulders-	40	1250
Gumbo-	25	1275
Sticky shale and boulders-	25	1300
Sandy lime-	4	1304
Shale and boulders-	49	1353
Sticky shale-	4	1357
Sticky shale and boulders-	28	1385
Gumbo-	12	1397
Dry sand	6	1403
Shale and boulders-	60	1463
TOTAL DEPTH		2500

<u>Partial driller's log of well 7</u>		
Everts Drilling Co. W. Cook and Tom Derman, No. 1.		
Clay-	30	30
Gravel, water	12	42
Shale-	88	130
Shale and shells-	851	981
Sandy lime-	6	987
Shale-	19	1006
Shale and gumbo	386	1392
Hard sand-	4	1396
Sandy shale-	419	1815
Sand and shale-	16	1831
Hard sand-	8	1839
Sand and shale-	180	2019
Sandy shale-	137	2156
Sand and shale-	159	2315
Sandy shale-	60	2375
Lime-	4	2379
Sandy shale	73	2452
Lime-	4	2456
Sandy shale	396	2852
TOTAL DEPTH		6109

<u>Partial driller's log of well 69</u>		
National Refg. Co. No. 1		
Surface sand-	45	45
Sand and gravel	15	60
Sandy slate-	60	120
Sand-	90	210
Sandy shale-	13	223
Shale-	25	248
Sand	22	270
Sand rock-	2	272
Lignite, sand	7	279
Sandy shale-	22	301
Sand rock-	48	349
Sand and boulders-	78	427

	Thickness (feet)	Depth (feet)
<u>Partial driller's log of well 69--Cont.</u>		
Gumbo-	13	440
Sand and boulders-	72	519
Sand rock-	5	524
Sandy shale and boulders	39	593
Gumbo-	5	601
Shale and boulders	12	613
Gumbo-	7	640
Sand and boulders-	25	665
Gumbo-	25	690
Shale and boulders	18	708
Gumbo-	10	718
Sandy shale-	12	730
Gumbo-	8	738
Sand and boulders-	7	745
Sandy shale-	15	760
Gumbo-	12	772
Shale and boulders	38	810
Gumbo-	25	835
Sandy shale-	20	855
Rock-	3	858
Shale and boulders-	37	895
Gumbo-	13	908
Shale and boulders	52	960
Rock-	7	967
Boulders-	6	973
Shale-	22	995
Gumbo-	7	1002
Shale and boulders-	32	1034
Sand-	4	1038
Shale and boulders-	62	1100
Gumbo-	23	1128
Shale-	19	1147
Rock-	2	1149
Shale-	21	1170
Gumbo-	15	1185
Shale-	13	1198
Gumbo and boulders-	22	1220
Shale-	15	1235
Gumbo and boulders	13	1248
Gumbo-	75	1323
Sticky shale and boulders	36	1359
Slaty shale-	16	1375
Gumbo-	25	1400
TOTAL DEPTH		3516

<u>Driller's log of well 109</u>		
Gulf States Utilities Co.		
Clay-	20	20
White sand-	10	30
Clay-	10	40
Sand-	3	43
Rock-	2	45

(Continued on next page)

Table of Drillers' Logs, Robertson County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 109--Cont.		
Clay- - - - -	11	56
Brittle clay- - - - -	50	106
Blue soapstone- - - - -	25	131
Lignite- - - - -	15	146
Hard packed sand- - - - -	10	156
Rock- - - - -	5	161
Clay- - - - -	10	171
Hard sandy shale- - - - -	25	196
Sandstone- - - - -	3	199
Hard rock- - - - -	2	201
Sand- - - - -	24	225
Sandy shale- - - - -	36	261
Sand- - - - -	68	329
Rock- - - - -	2	331
Sand- - - - -	65	393
Hard brittle shale- - - - -	75	471
Clay and sand streaks - - - - -	63	534
Sand- - - - -	50	584
Clay- - - - -	13	597
Sand- - - - -	17	614
Boulders- - - - -	2	616
Sand- - - - -	49	665
Boulders- - - - -	2	667
Sand- - - - -	5	672
Unknown- - - - -	8	680
TOTAL DEPTH		680

Driller's log of well 168

Ludson Farms, owner.

White sand- - - - -	3	3
Red clay- - - - -	3	6
Red sand rock - - - - -	4	10
Coarse gravel - - - - -	5	15
Gray sand, water- - - - -	5	20
Black sand- - - - -	85	105
Sand rock- - - - -	5	110
Black sand- - - - -	5	115
Sand rock - - - - -	5	120
Gray sand - - - - -	50	170
Sand rock - - - - -	3	173
Black sand- - - - -	85	258
Sand rock - - - - -	2	260
Black sand- - - - -	10	270
Sand rock - - - - -	5	275
Black shale - - - - -	20	295
Black gumbo - - - - -	5	300
Black sand, water - - - - -	20	320
Coarse black sand - - - - -	20	340
Coarse gray sand- - - - -	30	370
Hard rock- - - - -	1	371
Brown sand - - - - -	9	380
Gray quicksand - - - - -	120	500
Quicksand and large gravel	40	540

	Thickness (feet)	Depth (feet)
Driller's log of well 108--Cont.		
Black sand- - - - -	20	560
Sandy shale, water- - - - -	50	590
Hard black clay- - - - -	10	600
Brown sand- - - - -	50	650
Shale and some coal- - - - -	30	680
Hard rock- - - - -	3	683
Quicksand (little water)	2	685
Rock - - - - -	3	688
Quicksand and shale- - - - -	7	695
Brown sand - - - - -	45	740
Hard clay- - - - -	20	760
Rock- - - - -	2	762
Water sand and light shale	28	790
Quicksand and large gravel	5	795
Hard blue clay and shale	40	840
Hard soapstone (showing of oil)- - - - -	45	885
Hard rock- - - - -	3	888
Quicksand (water)- - - - -	7	895
Sand rock with gas pockets	5	900
Dark brown sand (showing of oil)- - - - -	25	925
Hard blue clay- - - - -	5	930
Dark-brown sand (increase in oil showing)- - - - -	10	940
Shale and clay- - - - -	5	945
TOTAL DEPTH		945

Driller's log of well 171

City well of Hearne.

Surface soil- - - - -	2	2
Yellow clay - - - - -	14	16
Coarse sand- - - - -	12	28
Hard shale- - - - -	32	90
Sandy shale- - - - -	25	115
Rock- - - - -	1	116
Sandy shale - - - - -	15	131
Sand- - - - -	10	141
Shale - - - - -	44	185
Sand- - - - -	51	236
Sandy shale - - - - -	53	289
Sand- - - - -	22	311
Shale - - - - -	57	368
Rock- - - - -	1	369
Sand- - - - -	20	389
Shale - - - - -	43	437
Lignite - - - - -	11	448
Sand- - - - -	45	493
Shale - - - - -	21	514
Rock- - - - -	2	516
Sand- - - - -	35	551

(Continued on next page)

Table of Drillers' Logs, Robertson County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 171--Cont.		
Sandy shale- - - - -	97	328
Rock- - - - -	1	349
Hard shale- - - - -	7	356
Rock- - - - -	3	359
Shale and boulders - - -	11	370
Sand- - - - -	92	462
Sandy shale - - - - -	57	519
Rock- - - - -	3	522
Sand- - - - -	62	584
Shale and lignite - - -	53	637
Hard shale- - - - -	113	750
Sandy shale - - - - -	18	768
Sand- - - - -	23	791
Lignite - - - - -	21	812
Fine sand - - - - -	17	829
Good coarse sand- - - -	146	975
TOTAL DEPTH		1275

Partial driller's log of well 351		
Albert H. Griffith. Wm. Sackville No.2.		
Surface sand- - - - -	30	30
Sand and shells - - - - -	60	90
Sticky shale and sand - -	25	115
Sand and shells- - - - -	85	200
Gumbo- - - - -	10	210
Sand and gravel- - - - -	190	400
Rock- - - - -	1	401
Sandy gumbo and boulders-	79	480
Sand and gumbo- - - - -	45	525
Gumbo and sand- - - - -	25	550
Rock- - - - -	1	551
Gumbo - - - - -	10	561
Rock- - - - -	1	562
Gumbo - - - - -	19	581
Sandy shale - - - - -	19	600
Sandy gumbo - - - - -	20	620
Hard sand- - - - -	10	630
Sand rock- - - - -	2	632
Packed sand- - - - -	38	670
Shale and sand- - - - -	50	700
Gummy shale- - - - -	20	720
Hard sandy shale, lime- -	65	785
Gumbo and packed sand- -	85	870
Gumbo- - - - -	6	876
Hard rock, (oil showing)-	2	878
Hard sand- - - - -	22	900
Gumbo- - - - -	20	920
Rock - - - - -	1	921
Hard sand, shale- - - - -	9	930
Gumbo and sand - - - - -	35	965
Sand rock- - - - -	2	967
Packed sand and rock- - -	28	995
Hard sand and shells- - -	15	1010

	Thickness (feet)	Depth (feet)
Partial driller's log of well 351--Cont.		
Hard sand and shale- - - -	40	1050
Sandy shale- - - - -	20	1070
Packed sand- - - - -	10	1080
Rock- - - - -	5	1085
Sand and shale - - - - -	20	1105
hard packed sand and shale-	20	1125
Rock- - - - -	10	1135
Hard sand - - - - -	40	1175
Gumbo- - - - -	5	1180
Shale- - - - -	10	1190
Sand and shale- - - - -	30	1220
Sandy shale, streaks of hard sand- - - - -	100	1320
TOTAL DEPTH		3505

Partial driller's log of well 352		
Investment & Maple, -Brown No. 1.		
Clay- - - - -	60	60
Boulders- - - - -	1	61
Clay- - - - -	9	70
Water sand- - - - -	12	82
Clay- - - - -	18	100
Lignite - - - - -	130	230
Quicksand - - - - -	22	252
Gumbo- - - - -	6	258
Lignite- - - - -	162	420
Pyrites, gumbo- - - - -	21	441
Gumbo- - - - -	79	520
Sand and gravel - - - - -	150	670
Gumbo- - - - -	70	740
Sand and boulders - - - -	50	790
Gumbo- - - - -	10	800
Gumbo and boulders- - - -	62	862
Rock- - - - -	4	866
Sand and shale- - - - -	24	890
Gumbo and boulders- - - -	145	1035
Rock- - - - -	6	1041
Shale, lignite- - - - -	24	1065
Gumbo- - - - -	115	1180
Sandy shale- - - - -	70	1250
Gypsiferous gumbo- - - -	58	1308
Gumbo and boulders- - - -	92	1400
TOTAL DEPTH		4140

Partial driller's log of well 353		
Franklin Oil Association.-Boyd No. 1.		
No record- - - - -	73	73
Tough clay - - - - -	10	83
Clay- - - - -	13	96
Blue gumbo - - - - -	30	126
Blue shale and boulders-	34	160
Blue gumbo - - - - -	110	270
(Continued on next page)		

Table of Drillers' Logs, Robertson County--Continued

Thickness		Depth	Thickness		Depth
(feet)		(feet)	(feet)		(feet)
Partial driller's log of well 353--Cont.			Partial driller's log of well 353--Cont.		
Blue shale	66	336	Hard, sharp sand rock	4	901
Lignite	10	346	Gumbo	47	948
Sandy shale	35	381	Chalk rock	12	960
Light gumbo	20	401	Dark shale	20	980
Dark shale and lignite	21	422	Sand (water)	10	990
Tough blue gumbo	64	486	Gumbo	29	1019
White sand	10	496	Soft rock	4	1023
Soft gumbo	56	552	Gumbo and streaks of greenish sand	42	1065
Sand and shale	22	574	Hard dark shale and boulders	32	1129
Soft white rock	5	579	Soft to hard gumbo with some boulders	72	1305
Hard lime	7	586	Black sand	10	1315
Hard shale	10	596	Sand	10	1325
Pink gumbo	21	617	Light gumbo	11	1336
Sand and shale	15	632	Black shale	22	1358
Gumbo	27	659	Tough dark gumbo with streaks of shale and brown sand and boulders	137	1495
Shale and boulders	23	682	TOTAL DEPTH		4415
Shale and sand, water near 700	21	703			
Hard shale	34	737			
Soft rock	9	746			
Shale and boulders	22	768			
Pack sand (dry)	20	788			
Hard shale	44	832			
Tough gumbo	29	861			
Hard rock	6	867			
Gumbo	30	897			

Logs of test wells drilled by W. P. A. labor in Robertson County, Texas

	Thickness (feet)	Depth (feet)
<u>Well 11</u>		
Flat, in river bottoms, side of county road, $9\frac{1}{2}$ miles southwest of Bremond.		
Brown clay - - - - -	6	6
Fine-grained sand - -	11	17
Brown clay - - - - -	11	28
Struck water at 27 feet. Water level, 23.0 feet below land surface, $\frac{1}{4}$ hour after hole completed. January 31, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 13</u>		
Flat, in river bottoms, side of county road, $8\frac{1}{2}$ miles southwest of Bremond.		
Sandy loam - - - - -	6	6
Fine-grained sand - -	4	10
Sandy brown clay - - -	4	14
Fine-grained sand - -	7	21
Water level, 14.4 feet below land surface, 1 hour after hole completed. January 31, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 15</u>		
Flat, in river bottoms, side of county road, $7\frac{1}{2}$ miles southwest of Bremond.		
Sand - - - - -	3	3
Brown clay - - - - -	15	18
Sand - - - - -	2	20
Water level, 4.5 feet below land surface, $\frac{1}{2}$ hour after hole completed. January 31, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 25</u>		
Flat, in river bottoms, side of county road, $9\frac{1}{2}$ miles southwest of Bremond.		
Brown clay - - - - -	17	17
Sandy brown clay - - -	1	18
Fine-grained sand - -	7	25
Struck water at 18 feet. Water level, 16.2 feet below land surface, $\frac{1}{3}$ hour after hole completed. January 31, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 27</u>		
Flat, in river bottoms, side of county road, $9\frac{1}{4}$ miles southwest of Bremond.		
Brown clay - - - - -	3	3
Silty fine-grained sand	5	8
Fine-grained sand - -	1	9
Brown clay - - - - -	1	10
Fine-grained sand - -	9	19
Struck water at 15 feet. Water level, 15.0 feet below land surface, 1 hour after hole completed. January 31, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 29</u>		
Flat, in river bottoms, side of county road, $8\frac{1}{4}$ miles southwest of Bremond.		
Sandy clay - - - - -	6	6
Clayey sand - - - - -	2	8
Medium to coarse-grained sand - - - -	3	11
Sandy red clay - - - -	1	12
Coarse-grained sand -	3	15
Struck water at 12.4 feet. Water level, 12.4 feet below land surface, 1 hour after hole completed. January 31, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 30</u>		
Flat, to river bottoms, side of county road, $7\frac{1}{4}$ miles southwest of Bremond.		
Clayey loam - - - - -	3	3
Sandy clay - - - - -	12	15
Silty fine-grained sand	2	17
Medium to coarse-grained sand - - - -	12	29
Struck water at 26 feet. January 31, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 35</u>		
Gentle slope to draw, side of county road, $7\frac{1}{2}$ miles southwest of Bremond.		
Sandy red clay - - - -	6	6
Medium-grained sand -	5	11
Clayey coarse-grained sand and gravel - -	7	18
Silty fine-grained sand	18	36
Fine-grained sand and gravel - - - - -	1	37
Struck water at 28 feet. Water level, 25.5 feet below land surface, 60 hours after hole completed. January 31, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 39</u>		
Ridgetop, side of county road, $6\frac{1}{4}$ miles southeast of Bremond.		
Sandy clay - - - - -	11	11
Sand - - - - -	19	30
Brown clay - - - - -	2	32
Sand - - - - -	9	41
Water level, 28.0 feet below land surface, 70 hours after hole completed. January 2, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 50</u>		
Ridgetop, side of county road, $4\frac{1}{2}$ miles east of Bremond.		

(Continued on next page)

Logs of test wells drilled by J. P. A. labor in Robertson County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 50--Continued</u>		
Sandy red clay - - - - -	6	6
Sand - - - - -	3	9
Sandy loam - - - - -	3	12
Sand - - - - -	5	17
Sandy clay - - - - -	4	21
Sand - - - - -	4	25
Sandy clay - - - - -	1	26
January 9, 1941.		

<u>Well 51</u>		
Gentle slope near creek, side of county road, 4 $\frac{1}{2}$ miles east of Bremond.		
Sand - - - - -	25	25
Water level, 14.7 feet below land surface, 3 hours after hole completed.		
January 9, 1941.		

<u>Well 55</u>		
Ridgetop, side of county road, 6 $\frac{1}{2}$ miles southeast of Bremond.		
Sandy clay - - - - -	12	12
Sand - - - - -	6	18
Brown clay - - - - -	2	20
Sandy clay - - - - -	13	33
January 2, 1941.		

<u>Well 56</u>		
Ridgetop, side of county road, 6 $\frac{1}{2}$ miles southeast of Bremond.		
Sandy red clay - - - - -	6	6
Silty sand - - - - -	16	22
Sand - - - - -	6	28
Water level, 22.3 feet below land surface, 70 hours after hole completed.		
January 2, 1941.		

<u>Well 71</u>		
Ridgetop, side of county road, 6 miles northeast of Calvert.		
Sandy red clay - - - - -	2	2
Fine-grained sand - - - - -	5	7
Clayey sand - - - - -	5	12
Fine-grained sand - - - - -	8	20
Sandy clay - - - - -	1	21
Fine-grained sand - - - - -	5	26
January 28, 1941.		

<u>Well 73</u>		
Ridgetop, side of county road, 5 miles northeast of Calvert.		
Sandy clay - - - - -	8	3
Fine-grained sand - - - - -	6	14

	Thickness (feet)	Depth (feet)
<u>Well 73--Continued</u>		
Sandy clay - - - - -	1	15
Fine-grained sand - - - - -	15	30
January 28, 1941.		

<u>Well 76</u>		
Valley flat, side of county road, 4 miles northeast of Calvert.		
Sandy clay - - - - -	7	7
Fine-grained sandy gravel - - - - -	2	9
Sandy clay - - - - -	9	18
Fine-grained sand - - - - -	2	20
Sandy clay - - - - -	3	23
Fine-grained sand - - - - -	5	28
January 28, 1941.		

<u>Well 77</u>		
Ridgetop, side of county road, 3 $\frac{1}{2}$ miles northeast of Calvert.		
Sandy brown clay - - - - -	10	10
Silty sand - - - - -	16	26
Sand - - - - -	1	27
Clayey sand - - - - -	9	36
Water level, 22.8 feet below land surface, 20 hours after hole completed.		
January 28, 1941.		

<u>Well 79</u>		
Gentle slope, side of county road, 1 $\frac{5}{8}$ miles northeast of Calvert.		
Sandy loam - - - - -	3	3
Sandy clay - - - - -	19	22
Silty brown clay - - - - -	8	30
Sand - - - - -	1	31
January 28, 1941.		

<u>Well 81</u>		
Gentle slope, side of county road, 1 mile northeast of Calvert.		
Sandy red clay - - - - -	7	7
Silty clay - - - - -	6	13
Fine-grained white sand - - - - -	30	43
January 28, 1941.		

<u>Well 87</u>		
Slope to creek, side of county road, 6 $\frac{1}{4}$ miles northwest of Calvert.		
Clayey red sand - - - - -	4	4
Sand - - - - -	1	5
Clayey medium-grained sand and gravel - - - - -	3	8
Fine-grained sand and gravel - - - - -	7	15

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Logs of test wells drilled by W. P. A. labor in Robertson County--Continued

	Thickness (feet)	Depth (feet)
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Well 87--Continued

Hard fine-grained sand - - - - - 10 : 25
 January 28, 1941.

Well 89

Valley flat, side of county road, 5 $\frac{1}{2}$ miles northwest of Calvert.
 Fine-grained sand and gravel - - - - - 8 : 8
 Clayey sand - - - - - 9 : 17
 Water level, 5.7 feet below land surface, 4 hours after hole completed.
 January 28, 1941.

Well 91

Slope to valley flat, side of county road, 5 miles northwest of Calvert.
 Sandy red clay - - - - - 6 : 6
 Sand - - - - - 7 : 13
 Fine-grained sand and gravel - - - - - 4 : 17
 Sand - - - - - 4 : 21
 Silty fine-grained sand 2 : 23
 Fine-grained sand - - - 1 : 24
 Clayey fine-grained sand 1 : 25
 Fine-grained sand - - - 5 : 30
 Silty fine-grained sand 2 : 32
 Fine-grained sand - - - 6 : 38
 Silty clayey sand - - - 5 : 43
 Water level, 37.2 feet below land surface, 80 hours after hole completed.
 January 31, 1941.

Well 93

Hilltop, side of county road, 4 miles northwest of Calvert.
 Sand - - - - - 3 : 3
 Clayey red sand - - - - 4 : 7
 Medium to coarse-grained sand - - - - - 39 : 46
 Lignite - - - - - 2 : 48
 Silty fine-grained sand 6 : 54
 Struck seep water at 52 feet. January 31, 1941.

Well 94

Gentle slope to valley flat, side of U.S. Highway 190, 3 $\frac{1}{4}$ miles northwest of Calvert.
 Sand and gravel - - - - - 2 : 2
 Sandy clay - - - - - 4 : 6
 Silty sand - - - - - 3 : 9

	Thickness (feet)	Depth (feet)
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Well 94--Continued

Fine-grained sand - - - - 2 : 11
 Water level, 4.9 feet below land surface, 24 hours after hole completed.
 January 28, 1941.

Well 95

Flat, to river bottoms, side of U.S. Highway 190, 2 miles northwest of Calvert.
 Sandy loam - - - - - 3 : 3
 Sandy clay - - - - - 9 : 12
 Fine-grained red sand - 2 : 14
 Fine-grained sand lensed with red clay - - - - 5 : 17
 Fine-grained sand - - - 14 : 31
 Fine-grained sand and gravel - - - - - 2 : 33
 January 28, 1941.

Well 106

Flat, to river bottoms, side of U.S. Highway 190, 1 mile northwest of Calvert.
 Sandy clay - - - - - 11 : 11
 Clayey sand - - - - - 5 : 16
 Sandy clay - - - - - 7 : 23
 Fine-grained sand - - - 10 : 33
 Coarse-grained sand - - 4 : 37
 Water level, 35.0 feet below land surface, 1 $\frac{1}{2}$ hours after hole completed. January 28, 1941.

Well 112

Flat, near river bottoms, side of county road, 1 $\frac{1}{2}$ miles southwest of Calvert.
 Gray gumbo, clay - - - - 6 : 6
 Sandy red clay - - - - 4 : 10
 Clayey fine sand - - - - 7 : 17
 Fine-grained sand - - - - 4 : 21
 Clayey fine sand - - - - 2 : 23
 Fine-grained sand - - - - 9 : 32
 January 23, 1941.

Well 120

Slope to river bottoms, side of county road, 2 $\frac{1}{2}$ miles south of Calvert.
 Sandy clay - - - - - 6 : 6
 Sand - - - - - 23 : 29
 Fine-grained sand and gravel - - - - - 2 : 31
 Water level, 28.1 feet below land surface, 1 $\frac{1}{2}$ hour after hole completed.
 January 23, 1941.

Logs of test wells drilled by W. P. A. labor in Robertson County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 121</u>		
Flat, in river bottoms, side of county road, $3\frac{1}{2}$ miles south of Calvert.		
Sandy loam - - - - -	4	4
Brown clay - - - - -	5	9
Sandy clay - - - - -	11	20
Sand - - - - -	1	21
Water level, 10.6 feet below land surface, $\frac{1}{4}$ hour after hole completed. January 23, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 123</u>		
Gentle slope to valley flat, side of U.S. Highway 190, $2\frac{1}{4}$ miles southeast of Calvert.		
Sandy red clay - - - - -	9	9
Sand - - - - -	1	10
Struck water at $9\frac{1}{2}$ feet. Water level, 9.5 feet below land surface, $\frac{1}{4}$ hour after hole completed. February 7, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 125</u>		
Ridgetop, side of U.S. Highway 190, $1\frac{1}{4}$ miles southeast of Calvert.		
Sand - - - - -	1	1
Sandy clay - - - - -	5	6
Clayey sand - - - - -	9	15
Sand - - - - -	3	18
Sandy gravel - - - - -	1	19
Clayey sand - - - - -	7	26
Sand - - - - -	9	35
Water level, 34.6 feet below land surface, $\frac{1}{4}$ hour after hole completed. February 7, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 128</u>		
Slope, bank of creek, side of U.S. Highway 190, southeast of Calvert.		
Sandy red clay - - - - -	3	3
Sand - - - - -	3	6
Sandy clay - - - - -	7	13
Clayey sand - - - - -	3	16
Sand - - - - -	3	19
Clayey fine-grained sand and gravel - - - - -	1	20
Silty sand - - - - -	4	24
Water level, 18.4 feet below land surface, 3 hours after hole completed. February 7, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 130</u>		
Slope to creek, side of county road, $1\frac{3}{4}$ miles northeast of Calvert.		
Sandy clay - - - - -	10	10

	Thickness (feet)	Depth (feet)
<u>Well 130--Continued</u>		
Sand - - - - -	1	11
Sandy clay - - - - -	1	12
Sand - - - - -	1	13
Clayey sand - - - - -	4	17
Sand - - - - -	3	20
Clayey sand - - - - -	6	26
Fine-grained sand and gravel - - - - -	1	27
Struck water at 15 feet. Water level, 18.7 feet below land surface, 2 hours after hole completed. February 7, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 133</u>		
Ridgetop, side of county road, $4\frac{1}{4}$ miles northeast of Calvert.		
Sandy clay - - - - -	25	25
Sand - - - - -	10	35
Silty sandy clay - - - - -	5	40
February 10, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 134</u>		
Side of ridge, side of county road, $4\frac{3}{4}$ miles northeast of Calvert.		
Sandy red clay - - - - -	6	6
Sand - - - - -	8	14
Clayey sand - - - - -	4	18
Silty sandy clay - - - - -	5	23
Fine-grained sand - - - - -	3	26
Silty sandy clay - - - - -	5	31
Fine-grained sand - - - - -	3	34
Silty sandy clay - - - - -	1	35
February 10, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 138</u>		
Valley flat, side of county road, 3 miles southeast of Calvert.		
Sand - - - - -	3	3
Sandy clay - - - - -	2	5
Sand - - - - -	10	15
Water level, 3.0 feet below land surface, 1 month after hole completed. February 10, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 139</u>		
Slope near draw, side of county road, $3\frac{1}{2}$ miles southeast of Calvert.		
Sandy red clay and gravel - - - - -	13	13
Sand and some gravel - - - - -	12	25
Struck water at 4 feet. Water level, 4.0 feet below land surface, 24 hours after hole completed. February 10, 1941.		

Logs of test wells drilled by W. P. A. labor in Robertson County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 140</u>		
Slope near draw, side of county road, 4 $\frac{1}{4}$ miles southeast of Calvert.		
Sandy red clay - - - -	3	3
Sand and some gravel -	20	23
Silty sandy clay - - -	19	42
February 10, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 141</u>		
Flat, near head of creek, side of U.S. Highway 79, 5 miles southeast of Calvert.		
Sandy clay - - - - -	5	5
Fine-grained yellow sand	1	6
Sandy red clay - - - -	1	7
Fine-grained sand - - -	2	9
Fine-grained sand with some clay balls - - -	5	14
Clayey silty sand - - -	12	26
Sand - - - - -	5	31
Water level, 3.9 feet below land surface, 75 hours after hole completed. November 20, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 143</u>		
Flat, near creek, side of U.S. Highway 79, 5 $\frac{1}{4}$ miles southeast of Calvert.		
Sandy clay - - - - -	7	7
Sandy clay and some gravel - - - - -	3	10
Silty sandy clay - - -	9	19
Water level, 5.8 feet below land surface, 75 hours after hole completed. November 11, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 151</u>		
Gentle slope to valley flat, side of State Highway, 2 miles northwest of Hearne.		
Sandy clay - - - - -	6	6
Brown clay - - - - -	14	20
Sandy clay - - - - -	4	24
Fine silty clay - - - -	4	28
Clayey fine-grained sand	2	30
Struck water at 21 feet. Water level, 13.2 feet below land surface, $\frac{1}{4}$ hour after hole completed. February 5, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 153</u>		
Gentle slope to valley flat, side of State Highway, 3 $\frac{1}{4}$ miles northwest of Hearne.		
Sandy clay - - - - -	5	5
Red sand rock - - - - -	1	6
Clayey sand - - - - -	2	8

	Thickness (feet)	Depth (feet)
<u>Well 153--Continued</u>		
Sand - - - - -	1	9
Sandy clay - - - - -	1	10
Sand - - - - -	1	11
Sandy clay - - - - -	2	13
Clayey red pack sand - -	2	15
Clayey sand - - - - -	1	16
Clayey red pack sand - -	1	17
February 5, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 157</u>		
Flat, in river bottoms, side of county road, 5 miles northwest of Hearne.		
Sandy loam - - - - -	1	1
Fine-grained sand - - -	17	18
Sandy clay - - - - -	11	29
Caving sand - - - - -	1	30
Struck water at 27 feet. Water level, 24.9 feet below land surface, $\frac{3}{4}$ hour after hole completed. January 23, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 161</u>		
Flat, in river bottoms, side of county road, 4 $\frac{3}{4}$ miles northwest of Hearne.		
Loam - - - - -	2	2
Fine-grained sand - - -	14	16
Fine-grained sand and gravel - - - - -	8	24
Water level, 16.5 feet below land surface, $\frac{1}{4}$ hour after hole completed. January 22, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 170</u>		
Foot of hill, side of U.S. Highway, northern Hearne.		
Sand - - - - -	4	4
Sandy clay - - - - -	4	8
Sand - - - - -	7	15
Water level, 8.4 feet below land surface, 3 hours after hole completed. February 5, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 176</u>		
Flat, in river bottoms, side of county road, 4 miles southwest of Hearne.		
Clayey loam - - - - -	2	2
Brown clay - - - - -	5	7
Silty fine-grained sand	3	10
Fine-grained sand - - -	10	20
Water level, 16.4 feet below land surface, $\frac{1}{2}$ hours after hole completed. January 22, 1941.		

Logs of test wells drilled by W. P. A. labor in Robertson County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 184</u>		
Flat, in river bottoms, side of county road, $3\frac{3}{4}$ miles southwest of Hearne.		
Clayey loam - - - - -	6	6
Sandy red clay - - - - -	24	30
Sandy - - - - -	1	31
Struck water at 6 feet. Water level, 3.6 feet below land surface, $\frac{1}{4}$ hour after hole completed. January 22, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 193</u>		
Flat, in river bottoms, side of county road, 6 miles south of Hearne.		
Sand - - - - -	9	9
Brown clay - - - - -	1	10
Sand - - - - -	1	11
Sandy brown clay - - -	4	15
Sand - - - - -	7	22
Water level, 9.2 feet below land surface, 1 hour after hole completed. January 21, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 196</u>		
Flat, in river bottoms, side of county road, $6\frac{3}{4}$ miles south of Hearne.		
Clayey brown loam - - -	6	6
Sand - - - - -	1	7
Clayey loam - - - - -	1	8
Sand - - - - -	10	18
Water level, 8.1 feet below land surface, 1 hour after hole completed. January 21, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 201</u>		
Flat, in river bottoms, side of county road, $7\frac{3}{4}$ miles south of Hearne.		
Sandy loam - - - - -	2	2
Brown clay - - - - -	1	3
Sand - - - - -	4	7
Sandy brown clay - - -	7	14
Sand - - - - -	5	19
Water level, 6.5 feet below land surface, $\frac{1}{2}$ hour after hole completed. January 21, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 204</u>		
Flat, in river bottoms, side of county road, $8\frac{3}{4}$ miles south of Hearne.		
Sandy loam - - - - -	4	4
Brown clay - - - - -	18	22
Sand - - - - -	1	23
Water level, 6.1 feet below land surface, $\frac{1}{4}$ hour after hole completed. January 21, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 209</u>		
Flat, in river bottoms, side of county road, $9\frac{3}{4}$ miles south of Hearne.		
Sandy brown clay - - -	2	2
Sandy loam - - - - -	5	7
Caving sand - - - - -	7	14
Water level, 8.5 feet below land surface, $\frac{3}{4}$ hour after hole completed. January 21, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 214</u>		
Flat, in river bottoms, side of county road, 12 miles south of Hearne.		
Clayey loam - - - - -	5	5
Sandy loam - - - - -	4	9
Red clay - - - - -	7	16
Silty sand - - - - -	5	21
Sandy red clay - - - -	9	30
Clayey sand - - - - -	8	38
Caving sand - - - - -	1	39
Struck water at 17 feet. Water level, 13.1 feet below land surface, $\frac{1}{4}$ hour after hole completed. January 21, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 225</u>		
Side of ridge, side of county road, $10\frac{1}{2}$ miles southeast of Hearne.		
Sandy red clay - - - -	4	4
Hard pack sand - - - -	11	15
Sand - - - - -	17	32
February 11, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 230</u>		
Ridgetop, side of U.S. Highway 190, $8\frac{3}{4}$ miles southeast of Hearne.		
Sandy clay - - - - -	6	6
Sand - - - - -	36	42
February 11, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 231</u>		
Gentle slope to valley flat, side of U.S. Highway 190, $8\frac{1}{4}$ miles southeast of Hearne.		
Sand - - - - -	4	4
Sandy red clay - - - -	2	6
Sand - - - - -	4	10
Struck water at 7 feet. Water level, 5.4 feet below land surface, $2\frac{1}{2}$ hours after hole completed. February 11, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 236</u>		
Gentle slope to valley, side of U.S. Highway 190, $6\frac{1}{2}$ miles southeast of Hearne.		
(Continued on next page)		

Logs of test wells drilled by W. P. A. labor in Robertson County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 236--Continued</u>		
Sand - - - - -	5	5
Sandy clay - - - - -	1	6
Sand - - - - -	1	7
Sandy clay - - - - -	6	13
Brown clay - - - - -	12	25
Water level, 22.5 feet below land surface, $\frac{1}{4}$ hour after hole completed. February 3, 1941.		

<u>Well 240</u>		
Broad flat, side of U.S. Highway 190, $4\frac{3}{4}$ miles southeast of Hearne.		
Sandy clay - - - - -	13	13
Hard pack sand - - - - -	9	22
Water level, 2.5 feet below land surface, $\frac{1}{4}$ hour after hole completed. February 3, 1941.		

<u>Well 241</u>		
Gentle slope to valley flat, side of U.S. Highway 190, $3\frac{1}{4}$ miles southeast of Hearne.		
Sandy clay - - - - -	13	13
Sand - - - - -	10	23
Water level, 2.4 feet below land surface, $\frac{1}{4}$ hour after hole completed. February 3, 1941.		

<u>Well 243</u>		
Valley flat, side of U.S. Highway 190, $2\frac{1}{2}$ miles southeast of Hearne.		
Fine to medium-grained sand - - - - -	20	20
Water level, 4.1 feet below land surface, 4 hours after hole completed. February 3, 1941.		

<u>Well 248</u>		
Gentle slope to valley flat, side of county road, $3\frac{1}{4}$ miles northeast of Hearne.		
Sandy clay - - - - -	26	26
Sand - - - - -	1	27
Water level, 13.1 feet below land surface, 1 month after hole completed. February 10, 1941.		

<u>Well 268</u>		
Gentle slope to valley, side of county road, 5 miles southeast of Franklin.		
Sandy clay - - - - -	21	21
Water level, 8.4 feet below land surface, 24 hours after hole completed. November 14, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 271</u>		
Gentle slope to valley flat, side of county road, 4 miles southeast of Franklin.		
Fine-grained sand - -	1	1
Sandy red clay - - -	7	8
Fine-grained sand - -	12	20
Water level, 17.4 feet below land surface, 24 hours after hole completed. November 14, 1940.		

<u>Well 273</u>		
Gentle slope to valley flat, side of county road, $2\frac{3}{4}$ miles southeast of Franklin.		
Clayey fine-grained sand and gravel - -		
	7	7
Sandy clay - - - - -	8	15
Fine-grained sand - -	2	17
Gray clay - - - - -	8	25
Silty fine-grained sand and gravel - -		
	4	29
Water level, 3.9 feet below land surface, 24 hours after hole completed. November 14, 1940.		

<u>Well 277</u>		
Gentle slope to valley flat, side of county road, $1\frac{1}{2}$ miles south of Franklin.		
Fine-grained sand - -	2	2
Red clay - - - - -	10	12
Sandy red clay - - -	1	13
Gray clay - - - - -	2	15
Fine-grained sand - -	9	24
November 7, 1940.		

<u>Well 278</u>		
Gentle slope to valley flat, side of county road, $2\frac{1}{4}$ miles south of Franklin.		
Sand - - - - -	19	19
Clayey sand - - - - -	8	27
Sand - - - - -	1	28
Brown clay - - - - -	2	30
Quicksand - - - - -	1	31
Struck water at 27 feet. Water level, 27.3 feet below land surface, $\frac{1}{4}$ hour after hole completed. February 10, 1941.		

<u>Well 280</u>		
Gentle slope to valley, side of county road, $2\frac{3}{4}$ miles south of Franklin.		
Sand - - - - -	5	5
Sandy clay - - - - -	1	6
Hard pack sand - - -	18	24
February 10, 1941.		

Logs of test wells drilled by W. P. A. labor in Robertson County--Continued

	Thickness (feet)	Depth (feet)
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Well 282

Gentle slope to valley flat, side of county road, $3\frac{1}{2}$ miles south of Franklin.
 Sand - - - - - 17 | 17
 Sandy clay - - - - - 10 | 27
 February 10, 1941.

Well 284

Gentle slope to valley, side of county road, 6 miles south of Franklin.
 Sand - - - - - 20 | 20
 Sandy clay - - - - - 5 | 25
 Sand - - - - - 1 | 26
 February 10, 1941.

Well 287

Gentle slope to creek, side of county road, $8\frac{1}{4}$ miles southwest of Franklin.
 Sandy red clay - - - - 2 | 2
 Sand - - - - - 24 | 26
 Silty sandy clay - - - 4 | 30
 Water level, 4.7 feet below land surface, 1 month after hole completed.
 February 10, 1941.

Well 288

Ridgetop, side of U.S. Highway 79, $7\frac{1}{2}$ miles southwest of Franklin.
 Sand - - - - - 5 | 5
 Red clay - - - - - 7 | 12
 Sandy clay - - - - - 13 | 25
 Water level, 6.3 feet below land surface, 75 hours after hole completed.
 November 20, 1941.

Well 291

Gentle slope to creek, side of U.S. Highway 79, 6 miles southwest of Franklin.
 Clay - - - - - 5 | 5
 Fine-grained sand - - - 1 | 6
 Sandy clay - - - - - 1 | 7
 Red clay - - - - - 2 | 9
 Fine-grained sand - - - 1 | 10
 Clayey sand - - - - - 4 | 14
 Silty fine-grained sand 10 | 24
 Water level, 7.2 feet below land surface.
 November 12, 1941.

Well 293

Slope to draw, side of U.S. Highway 79, $5\frac{1}{2}$ miles southwest of Franklin.
 Red clay - - - - - 7 | 7
 Sandy clay - - - - - 3 | 10
 Brown clay - - - - - 2 | 12

	Thickness (feet)	Depth (feet)
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Well 295--Continued

Water level, 10.3 feet below land surface, 2 weeks after hole completed.
 November 12, 1940.

Well 295

Valley flat, side of county road, $4\frac{3}{4}$ miles southwest of Franklin.
 Sand - - - - - 3 | 3
 Sandy clay - - - - - 4 | 7
 Sand - - - - - 24 | 31
 Silty clayey sand - - 11 | 42
 Water level, 2.8 feet below land surface. December 12, 1940.

Well 296

Gentle slope to valley, side of county road, $3\frac{3}{4}$ miles southwest of Franklin.
 Sand - - - - - 8 | 8
 Sandy red clay - - - - 1 | 9
 Sand - - - - - 5 | 14
 Sandy clay - - - - - 2 | 16
 Sand - - - - - 1 | 17
 Sandy clay - - - - - 15 | 32
 Sand - - - - - 1 | 33
 Water level, 13.2 feet below land surface, 48 hours after hole completed.
 December 4, 1940.

Well 297

Gentle slope to creek, side of county road, $3\frac{1}{4}$ miles southwest of Franklin.
 Sandy red clay - - - - 8 | 8
 Sand - - - - - 6 | 14
 Sandy clay - - - - - 2 | 16
 Sand - - - - - 1 | 17
 Sandy clay - - - - - 3 | 20
 Sand - - - - - 10 | 30
 Silty clayey sand - - 4 | 34
 Water level, 21.5 feet below land surface, 48 hours after hole completed.
 December 4, 1940.

Well 299

Gentle slope to valley flat, side of U.S. Highway 79, $3\frac{3}{4}$ miles southwest of Franklin.
 Clay - - - - - 14 | 14
 Clay, some gravel - - 1 | 15
 Dark-gray clay - - - 7 | 22
 Medium-grained sand - 2 | 24
 Water level, 5.8 feet below land surface, 2 weeks after hole completed.
 November 12, 1940.

Logs of test wells drilled by W. P. A. labor in Robertson County--Continued

	Thickness (feet)	Depth (feet)
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Well 301

Gentle slope to valley flat, side of county road, $4\frac{1}{4}$ miles southwest of Franklin.

Sand - - - - -	4	4
Fine-grained sand and gravel - - - - -	12	16
Sandy clay - - - - -	3	19
Sand - - - - -	5	24
Sand and gravel - - - - -	1	25
Sand - - - - -	4	29

February 10, 1941.

Well 302

Valley flat, side of U.S. Highway 79, $2\frac{3}{4}$ miles southwest of Franklin.

Fine-grained sandy surface soil - - - - -	4	4
Gypsiferous loam - - - - -	7	11
Fine-grained sand, caving - - - - -	5	16

Water level, 11.8 feet below land surface, 4 hours after hole completed. October 21, 1940.

Well 303

Slope to creek, side of U.S. Highway, $2\frac{1}{2}$ miles southwest of Franklin.

Sandy clay - - - - -	16	16
Fine-grained sand - - - - -	4	20
Sandy clay - - - - -	1	21

Water level, 20.1 feet below land surface, 20 hours after hole completed. November 4, 1940.

Well 304

Ridgetop, side of U.S. Highway 79, 2 miles southwest of Franklin.

Sandy loam - - - - -	2	2
Sandy red clay - - - - -	8	10
Fine-grained sand - - - - -	4	14
Brown clay - - - - -	1	15
Fine-grained sand - - - - -	3	18
Brown clay - - - - -	3	21
Fine-grained sand - - - - -	3	24

October 21, 1940.

Well 305

Gentle slope to valley flat, side of county road, $2\frac{1}{2}$ miles southwest of Franklin.

Fine-grained sand - - - - -	4	4
Sandy brown clay - - - - -	11	15
Fine-grained sand - - - - -	2	17

	Thickness (feet)	Depth (feet)
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Well 305--Continued

Sandy clay - - - - -	3	20
Fine-grained sand - - - - -	6	26

Water level, 10.8 feet below land surface, 24 hours after hole completed. October 30, 1940.

Well 306

Gentle slope to valley flat, side of U.S. Highway 79, $1\frac{3}{4}$ miles southwest of Franklin.

Sandy red clay - - - - -	5	5
Fine-grained sand - - - - -	3	8
Fine-grained sandy loam - - - - -	2	10

Brown clay - - - - -	5	15
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Water level, 7.7 feet below land surface, 1 hour after hole completed. October 21, 1940.

Well 307

Side of ridge, side of U.S. Highway 79, $1\frac{1}{4}$ miles southwest of Franklin.

Sandy red clay - - - - -	7	7
Fine-grained white sand - - - - -	2	9
Sandy clay - - - - -	2	11
Fine-grained sand - - - - -	13	24

Water level, 17.5 feet below land surface, 48 hours after hole completed. December 4, 1940.

Well 308

Gentle slope to valley flat, side of county road, $1\frac{1}{4}$ miles southwest of Franklin.

Sandy clay - - - - -	28	28
Brown clay - - - - -	6	34

Struck water at 19 feet. Water level, 18.1 feet below land surface, $\frac{1}{3}$ hour after hole completed. February 10, 1941.

Well 309

Flat ridgetop, side of U.S. Highway 79, $\frac{1}{2}$ mile southwest of Franklin.

Sandy clay - - - - -	15	16
Fine-grained sand - - - - -	1	17
Silty sandy clay - - - - -	7	24
Sand - - - - -	16	40

Water level, 20.2 feet below land surface, 70 hours after hole completed. December 4, 1940.

Logs of test wells drilled by W. P. A. labor in Robertson County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 310</u>		
Gentle slope to valley flat, side of county road, 2 miles southwest of Franklin.		
Fine-grained sand - - -	4	4
Fine-grained sand and gravel - - - - -	2	6
Fine-grained sandy clay	4	10
Fine-grained sand - - -	2	12
Fine-grained sandy loam	2	14
Water level, 10.1 feet below land surface, 24 hours after hole completed. October 30, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 311</u>		
Valley flat, side of county road, 2 $\frac{3}{4}$ miles southwest of Franklin.		
Sandy red clay - - - -	14	14
Fine-grained sand - - -	14	28
October 30, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 313</u>		
Gentle slope to valley flat, side of county road, 1 $\frac{1}{2}$ miles northwest of Franklin.		
Fine-grained sand - - -	1	1
Gypsiferous sandy red clay - - - - -	12	13
Gypsiferous fine-grained sand - - - - -	14	27
Water level, 20.5 feet below land surface, 100 hours after hole completed. October 30, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 318</u>		
Valley flat, side of county road, 5 $\frac{1}{2}$ miles northwest of Franklin.		
Sandy clay - - - - -	5	5
Sand - - - - -	10	15
Water level, 1.7 feet below land surface, 4 hours after hole completed. February 12, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 320</u>		
Gentle slope near draw, side of county road, 5 miles northwest of Franklin.		
Sandy clay - - - - -	10	10
Sand - - - - -	1	11
Clayey sand - - - - -	6	17
Sandy clay - - - - -	4	21
Clayey sand - - - - -	4	25
Water level, 7.4 feet below land surface, 5 hours after hole completed. February 12, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 321</u>		
Gentle slope near draw, side of county road, 4 $\frac{1}{2}$ miles northwest of Franklin.		
Sandy clay - - - - -	11	11
Lignite - - - - -	2	13
Sandy clay - - - - -	8	21
February 12, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 322</u>		
Gentle slope to valley flat, side of county road, 3 $\frac{3}{4}$ miles northwest of Franklin.		
Sandy clay - - - - -	10	10
Fine-grained sand - - -	9	19
Clayey fine-grained sand - - - - -	9	28
Fine-grained sand - - -	4	32
Water level, 16.8 feet below land surface, 100 hours after hole completed. November 20, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 323</u>		
Gentle slope to draw, side of county road, 5 $\frac{3}{4}$ miles northwest of Franklin.		
Sandy clay - - - - -	5	5
Sand - - - - -	11	16
Sandy gray clay - - -	7	23
Gray sand - - - - -	7	30
Water level, 18.5 feet below land surface, 3 weeks after hole completed. January 2, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 325</u>		
Gentle slope to valley, side of county road, 6 $\frac{1}{2}$ miles northwest of Franklin.		
Sandy clay - - - - -	6	6
Sand - - - - -	17	23
Sandy brown clay - - -	10	33
January 2, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 326</u>		
Gentle slope near draw, side of county road, 7 $\frac{1}{2}$ miles northwest of Franklin.		
Sandy clay - - - - -	3	6
Sand - - - - -	16	22
Black clay - - - - -	4	26
Water level, 16.8 feet below land surface, 1 $\frac{1}{2}$ weeks after hole completed. January 2, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 327</u>		
Gentle slope to valley flat, side of county road, 8 miles northwest of Franklin.		

(Continued on next page)

Logs of test wells drilled by W. P. A. labor in Robertson County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 527--Continued</u>		
Sandy clay - - - - -	5	5
Clayey fine-grained sand and gravel - - -	1	6
Sandy clay - - - - -	6	12
Sand - - - - -	2	14
Black clay - - - - -	1	15
Sandy clay - - - - -	11	26
Water level, 10.0 feet below land surface, 1½ weeks after hole completed. January 2, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 328</u>		
Gentle slope to draw, side of county road, 8¼ miles northwest of Franklin.		
Sandy clay - - - - -	12	12
Sand - - - - -	4	16
Sandy clay - - - - -	18	34
Water level, 11.5 feet below land surface, 1½ weeks after hole completed. January 2, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 330</u>		
Ridgetop, side of county road, 8½ miles northwest of Franklin.		
Sandy clay - - - - -	6	6
Sand - - - - -	10	16
Sandy clay - - - - -	4	20
Sand - - - - -	9	29
Sandy clay - - - - -	8	37
January 2, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 331</u>		
Gentle slope to draw, side of county road, 10½ miles northwest of Franklin.		
Sandy clay - - - - -	5	5
Red sandstone - - - - -	1	6
Sandy clay - - - - -	4	10
Sand - - - - -	16	26
Lignite - - - - -	1	27
Brown clay - - - - -	2	29
Lignite - - - - -	4	33
Sand - - - - -	1	34
Water level, 27.3 feet below land surface, ¼ hour after hole completed. January 9, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 334</u>		
Ridgetop, side of county road, 7½ miles northwest of Franklin.		
Sand - - - - -	1	1
Sandy red clay - - - - -	4	5
Sand - - - - -	26	31
Clayey sand - - - - -	9	40
Sand - - - - -	3	43
January 9, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 335</u>		
Side of ridge, side of county road, 7¼ miles northwest of Franklin.		
Sandy red clay - - - - -	10	10
Sand - - - - -	13	23
Sandy gray clay - - - - -	1	27
Sand - - - - -	2	29
Sandy clay - - - - -	3	32
January 9, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 337</u>		
Ridgetop, side of county road, 7 miles northwest of Franklin.		
Sandy red clay - - - - -	6	6
Sand - - - - -	20	26
January 2, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 339</u>		
Gentle slope to draw, side of county road, 6¼ miles northwest of Franklin.		
Sandy clay - - - - -	17	17
Sand - - - - -	8	25
Sandy clay - - - - -	8	33
Water level, 26.5 feet below land surface, 1 week after hole completed. January 7, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 340</u>		
Gentle slope to creek, side of county road, 6 miles northwest of Franklin.		
Sandy top soil - - - - -	2	2
Sandy red clay - - - - -	2	4
Sand - - - - -	12	16
Sandy clay - - - - -	11	27
Water level, 14.2 feet below land surface, 1½ weeks after hole completed. January 2, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 341</u>		
Gentle slope to draw, side of county road, 5¼ miles northwest of Franklin.		
Sandy red clay - - - - -	5	5
Sand - - - - -	10	15
Silty clay - - - - -	1	16
Sand - - - - -	15	31
Silty sand - - - - -	5	36
Silty clay - - - - -	4	40
Water level, 19.4 feet below land surface, 1 week after hole completed. January 7, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 343</u>		
Gentle slope to creek, side of county road, 4½ miles northwest of Franklin.		
Sandy clay - - - - -	13	16

(Continued on next page)

Logs of test wells drilled by W. P. A. labor in Robertson County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 343--Continued</u>		
Lignite - - - - -	2	18
Sand - - - - -	15	33
Silty sand - - - - -	2	35
Water level, 23.4 feet below land surface, 1 week after hole completed. January 7, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 347</u>		
Gentle slope to valley flat, side of county road, 2 $\frac{1}{2}$ miles northwest of Franklin.		
Fine-grained sand - - -	3	3
Gypsiferous sandy clay	12	15
Gypsiferous fine-grained sand - - - - -	5	20
Water level, 12.3 feet below land surface, 100 hours after hole completed. October 30, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 348</u>		
Gentle slope to valley flat, side of county road, 1 $\frac{5}{8}$ miles northwest of Franklin.		
Gypsiferous medium-grained gray sand - -	14	14
Gypsiferous fine-grained sand - - - - -	8	22
Struck water at 15 feet. Water level, 11.5 feet below land surface, $\frac{1}{4}$ hour after hole completed. October 19, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 349</u>		
Gentle slope to valley, side of county road, $\frac{1}{2}$ mile northwest of Franklin.		
Sandy clay - - - - -	10	10
Sand - - - - -	4	14
Sandy clay - - - - -	7	21
Sand - - - - -	5	26
Water level, 20.2 feet below land surface, 70 hours after hole completed. January 7, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 355</u>		
Gentle slope to valley flat, side of county road, 4 $\frac{1}{4}$ miles northwest of Franklin.		
Sandy red clay - - - -	2	2
Fine-grained sand - - -	1	3
Gypsiferous sandy clay	8	11
November 12, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 360</u>		
Valley flat, side of county road, 9 miles northwest of Franklin.		
Sand - - - - -	5	5
Sandy clay - - - - -	7	12
Sand - - - - -	5	17
Water level, 2.3 feet below land surface, 60 hours after hole completed. January 9, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 362</u>		
Gentle slope to draw, side of county road, 8 $\frac{3}{4}$ miles northwest of Franklin.		
Sandy red clay - - - -	10	10
Sand - - - - -	4	14
Sandy clay - - - - -	7	21
January 9, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 364</u>		
Gentle slope to draw, side of county road, 9 $\frac{1}{4}$ miles north of Franklin.		
Sandy red clay - - - -	3	3
Sandy loam - - - - -	13	16
Sand - - - - -	9	25
Sandy loam - - - - -	4	29
January 9, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 366</u>		
Gentle slope to creek, side of county road, 9 $\frac{1}{2}$ miles north of Franklin.		
Sandy brown clay - - -	8	8
Clayey sand - - - - -	3	11
Fine-grained sand - - -	3	14
Sandy clay - - - - -	9	23
Water level, 15.2 feet below land surface, 24 hours after hole completed. January 8, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 368</u>		
Side of ridge, side of county road, 9 $\frac{3}{4}$ miles north of Franklin.		
Sandy red clay - - - -	4	4
Sand - - - - -	4	8
Sandy clay - - - - -	3	11
Sand - - - - -	16	27
Sandy brown clay - - -	3	30
Silty sand - - - - -	6	36
Sandy brown clay - - -	2	38
January 8, 1941.		

Logs of test wells drilled by W. P. A. labor in Robertson County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 371</u>		
Gentle slope to draw, side of county road, $9\frac{1}{2}$ miles northwest of Franklin.		
Sandy clay - - - - -	12	12
Sand - - - - -	23	35
Water level, 27.7 feet below land surface, 60 hours after hole completed. January 9, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 384</u>		
Valley flat, side of county road, $11\frac{5}{4}$ miles northeast of Franklin.		
Sandy clay - - - - -	13.5	13.5
Lignite - - - - -	0.5	14
Sand - - - - -	6	20
Water level, 3.4 feet below land surface, 3 hours after hole completed. February 4, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 415</u>		
Side of ridge, side of county road, 11 miles northeast of Franklin.		
Sandy clay - - - - -	24	24
Hard pack sand - - - -	6	30
February 4, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 417</u>		
Gentle slope to valley flat, side of county road, 10 miles northeast of Franklin.		
Sandy clay - - - - -	5	5
Sand - - - - -	11	16
Struck water at 11 feet. Water level, 11.5 feet below land surface, $\frac{1}{4}$ hour after hole completed. February 4, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 418</u>		
Slope to creek, side of county road, $9\frac{1}{2}$ miles northeast of Franklin.		
Sandy red clay - - - -	9	9
Sand - - - - -	6	15
Sand and gravel - - - -	2	17
Sandy clay - - - - -	5	22
Sand - - - - -	5	27
Water level, 24.5 feet below land surface, $1\frac{1}{2}$ hours after hole completed. February 4, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 419</u>		
Slope to valley flat, side of county road, $9\frac{1}{4}$ miles northeast of Franklin.		
Sand - - - - -	2	2
Sandy clay - - - - -	4	6
Sand - - - - -	19	25

	Thickness (feet)	Depth (feet)
<u>Well 419--Continued</u>		
Water level, 20.7 feet below land surface, 3 hours after hole completed. February 4, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 421</u>		
Valley flat, side of county road, $9\frac{3}{4}$ miles northeast of Franklin.		
Top soil - - - - -	4	4
Red clay - - - - -	3	7
Sandy clay - - - - -	11	18
Gray clay - - - - -	2	20
Water level, 5.3 feet below land surface, 48 hours after hole completed. November 14, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 425</u>		
Gentle slope to creek, side of U.S. Highway 79, $11\frac{1}{4}$ miles northeast of Franklin.		
Clayey sand - - - - -	9	9
Water level, 6.1 feet below land surface, 24 hours after hole completed. November 27, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 429</u>		
Gentle slope to creek, side of U.S. Highway, $9\frac{5}{4}$ miles northeast of Franklin.		
Clayey sand - - - - -	10	10
Fine-grained sand - - -	2	12
Water level, 9.1 feet below land surface, 24 hours after hole completed. November 27, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 430</u>		
Side of ridge, side of county road, 9 miles northeast of Franklin.		
Fine-grained red sand	13	13
Fine-grained white sand - - - - -	12	25
November 14, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 432</u>		
Gentle slope near creek, side of U.S. Highway 79, $8\frac{3}{4}$ miles northeast of Franklin.		
Sandy clay - - - - -	7	7
Sand - - - - -	3	10
Silty brown clay - - -	3	13
Fine-grained sand - - -	2	15
Water level, 3.9 feet below land surface, 24 hours after hole completed. November 27, 1940.		

Logs of test wells drilled by W. P. A. labor in Robertson County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 435</u>		
Side of ridge, side of U.S. Highway 79, 7 $\frac{1}{2}$ miles northeast of Franklin.		
Sandy clay - - - - -	9	9
Clayey sand - - - - -	7	16
Fine-grained sand - - -	5	21
Clayey sand - - - - -	5	26
Water level, 8.5 feet below land surface, 24 hours after hole completed. November 27, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 436</u>		
Valley flat, side of U.S. Highway 79, 6 $\frac{1}{2}$ miles northeast of Franklin.		
Sandy red clay - - - -	5	5
Fine-grained sand - - -	1	6
Silty sandy clay - - -	20	26
Water level, 3.8 feet below land surface, 24 hours after hole completed. November 27, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 439</u>		
Gentle slope to draw, side of U.S. Highway 79, 5 $\frac{1}{2}$ miles northeast of Franklin.		
Gypsiferous red clayey loam - - - - -	1	1
Fine-grained buff sand	1	2
Gypsiferous clay - - -	5	7
Sandy red clay - - - -	1	8
Fine-grained red sand -	1	9
Struck water at 9 feet. Water level, 7.5 feet below land surface, 1 hour after hole completed. October 18, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 441</u>		
Gentle slope to valley flat, side of county road, 5 miles northeast of Franklin.		
Fine-grained sand - - -	1	1
Sandy clay - - - - -	9	10
Gray gumbo - - - - -	3	13
Medium-grained sand - -	1	14
Gray gumbo - - - - -	1	15
Fine-grained sand with balls of clay - - - -	4	19
Medium-grained sand - -	5	24
Sandy clay - - - - -	1	25
Water level, 14.5 feet below land surface, 74 hours after hole completed. October 30, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 442</u>		
Gentle slope to draw, side of U.S. Highway 79, 5 miles northeast of Franklin.		
Gypsiferous red clay -	21	21
Dark-gray gumbo - - -	7	28
Struck water at 20 feet. Water level, 6.1 feet below land surface, 4 hour after hole completed. October 18, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 445</u>		
Gentle slope to valley flat, side of U.S. Highway 79, 4 $\frac{1}{2}$ miles northeast of Franklin.		
Gypsiferous sandy red clay - - - - -	11	11
Dark-gray gumbo - - -	8	19
Struck water at 7 feet. Water level, 5.3 feet below land surface, 4 hour after hole completed. October 18, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 446</u>		
Gentle slope to draw, side of county road, 3 $\frac{1}{2}$ miles northeast of Franklin.		
Fine-grained sand and gravel - - - - -	1	1
Red sandy clay - - - -	8	9
Silty fine-grained sand	7	16
Sandy clay - - - - -	9	25
Water level, 17.1 feet below land surface, 48 hours after hole completed. November 14, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 447</u>		
Valley flat, side of county road, 2 $\frac{3}{4}$ miles northeast of Franklin.		
Fine-grained sand - -	2	2
Sandy clay - - - - -	8	10
Medium-grained sandy loam and gravel - -	5	15
Water level, 8.3 feet below land surface, 100 hours after hole completed. October 30, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 448</u>		
Valley flat, side of U.S. Highway 79, 3 $\frac{1}{2}$ miles northeast of Franklin.		
Sandy red clay - - - -	10	10
Silty gray sand - - -	4	14
Silty sandy gray clay	11	25
Gray clay - - - - -	5	30
Water level, 3.5 feet below land surface, 24 hours after hole completed. November 30, 1940.		

Logs of test wells drilled by W. P. A. labor in Robertson County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 449</u>		
Valley flat, side of U.S. Highway 79, 2 ³ / ₄ miles northeast of Franklin.		
Fine-grained sand - - -	3	3
Sandy clay - - - - -	10	13
Silty clay - - - - -	13	26
Silty clay and shells -	3	29
Clay - - - - -	5	34
Water level, 3.3 feet below land surface, 24 hours after hole completed. November 30, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 450</u>		
Gentle slope to creek, side of U.S. Highway 79, 2 ¹ / ₄ miles northeast of Franklin.		
Red clay - - - - -	6	6
Gypsiferous dark-gray clay - - - - -	5	11
Water level, 6.7 feet below land surface, 120 hours after hole completed. November 7, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 452</u>		
Valley flat, side of county road, 2 miles northeast of Franklin.		
Gypsiferous red clay -	10	10
Brown loam - - - - -	4	14
Gypsiferous dark-gray clay - - - - -	6	20
Water level, 7.3 feet below land surface, 100 hours after hole completed. October 30, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 453</u>		
Gentle slope to creek, side of U.S. Highway, 1 ³ / ₄ miles northeast of Franklin.		
Sandy red clay - - - -	5	5
Sandy red clay and gravel - - - - -	1	6
Gypsiferous dark-gray clay - - - - -	13	19
Water level, 5.4 feet below land surface, 120 hours after hole completed. November 7, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 454</u>		
Valley flat, side of U.S. Highway 79, 1 ¹ / ₂ miles northeast of Franklin.		
Red clay - - - - -	3	3
Sandy gray clay - - - -	4	7
Sandy clay and some gravel - - - - -	1	8
Gypsiferous dark-gray clay - - - - -	12	20

	Thickness (feet)	Depth (feet)
<u>Well 454--Continued</u>		
Water level, 3.5 feet below land surface, 120 hours after hole completed. November 7, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 455</u>		
Gentle slope to draw, side of U.S. Highway 79, 1/2 mile northeast of Franklin.		
Sandy red clay - - - -	5	5
Fine-grained sand - -	1	6
Silty clayey sand - -	3	9
Silty sandy gray clay	12	21
Fine-grained gray sand	2	23
Silty sandy gray clay	4	27
Silty fine-grained sand - - - - -	1	28
Sandy gray clay - - -	6	34
Water level, 1.2 feet below land surface, 24 hours after hole completed. November 30, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 456</u>		
Gentle slope to valley flat, side of county road, 1 ¹ / ₄ miles east of Franklin.		
Sandy loam - - - - -	3	3
Fine-grained sand - -	5	6
Sandy clay - - - - -	-	15
Fine-grained sand - -	5	20
Water level, 6.5 feet below land surface, 100 hours after hole completed. October 30, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 457</u>		
Gentle slope to valley, side of county road, 2 ¹ / ₄ miles east of Franklin.		
Fine-grained sand - -	4	4
Sandy red clay - - - -	2	6
Fine-grained sand - -	9	15
Water level, 11.0 feet below land surface, 100 hours after hole completed. October 30, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 458</u>		
Valley flat, side of county road, 2 ¹ / ₂ miles east of Franklin.		
Sandy red clay - - - -	10	10
Fine-grained sand - -	12	22
Water level, 7.7 feet below land surface, 100 hours after hole completed. October 30, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 459</u>		
Gentle slope to valley flat, side of county road, 2 ³ / ₄ miles east of Franklin.		
(Continued on next page)		

Logs of test wells drilled by W. P. A. labor in Robertson County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 459--Continued</u>		
Gypsiferous sandy red clay	8	8
Fine-grained sand - - -	19	27
Water level, 22.0 feet below land surface, 100 hours after hole completed. October 30, 1940.		

	Thickness (feet)	Depth (feet)
<u>Well 462</u>		
Side of ridge, side of county road, $4\frac{3}{4}$ miles east of Franklin.		
Sand - - - - -	3	3
Sandy red clay - - - -	7	10
Sand - - - - -	8	18
Sandy red clay - - - -	6	24
Sand - - - - -	5	29
Sandy clay - - - - -	11	40
Sand - - - - -	2	42
January 3, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 464</u>		
Gentle slope to valley flat, side of county road, $5\frac{1}{2}$ miles east of Franklin.		
Gray clay and some gravel - - - - -	7	7
Sandy clay - - - - -	1	8
Sandy clay and gravel -	15	23
January 3, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 466</u>		
Ridgetop, side of county road, $6\frac{1}{4}$ miles northeast of Franklin.		
Sandy red clay - - - -	5	5
Fine to medium-grained sand - - - - -	31	36
Water level, 26.7 feet below land surface, $\frac{1}{2}$ hour after hole completed. January 24, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 469</u>		
Gentle slope to valley flat, side of county road, $8\frac{1}{4}$ miles northeast of Franklin.		
Sandy red clay - - - -	8	8
Fine-grained sand - - -	7	15
Clayey silt - - - - -	10	25
Fine-grained sand, saving - - - - -	1	26
Water level, 10.3 feet below land surface, 1 week after hole completed. January 24, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 470</u>		
Gentle slope to valley flat, side of county road, 9 miles northeast of Franklin.		
Sandy clay - - - - -	8	8
Fine-grained sand - -	7	15
Clayey silt - - - - -	5	20
Water level, 11.6 feet below land surface, 1 week after hole completed. January 24, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 472</u>		
Side of ridge, side of county road, 8 miles east of Franklin.		
Red clayey sand - - -	5	3
White sand - - - - -	7	10
Red sand - - - - -	30	40
January 3, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 474</u>		
Slope to valley flat, side of county road, $8\frac{1}{2}$ miles east of Franklin.		
Sandy red clay - - - -	8	8
Fine-grained sand - -	18	26
Water level, 10.3 feet below land surface, 2 weeks after hole completed. January 24, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 476</u>		
Ridgetop, side of county road, $9\frac{5}{8}$ miles northeast of Franklin.		
Sand - - - - -	4	4
Clayey sand - - - - -	14	18
Sand - - - - -	11	29
Water level, 9.0 feet below land surface, 2 hours after hole completed. January 24, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 478</u>		
Ridgetop, side of county road, $10\frac{1}{3}$ miles northeast of Franklin.		
Sandy red clay - - - -	7	7
Sand - - - - -	2	9
Clayey sand - - - - -	6	15
Fine-grained sand - -	20	35
Struck water at 13 feet. Water level, 17.3 feet below land surface, $\frac{1}{3}$ hour after hole completed. January 24, 1941.		

Logs of test wells drilled by W. P. A. labor in Robertson County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 480</u>		
Gentle slope to valley flat, side of county road, 11 $\frac{1}{2}$ miles east of Franklin.		
Fine-grained sand - - -	4	4
Sandy clay - - - - -	12	16
Fine-grained sand - - -	14	30
Water level, 15.5 feet below land surface, 1 hour after hole completed.		
January 24, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 481</u>		
Gentle slope to valley, side of county road, 11 $\frac{5}{8}$ miles east of Franklin.		
Sand - - - - -	1	1
Sandy red clay - - - - -	9	10
Fine-grained sand - - -	1	11
Gray clay - - - - -	1	12
Fine to medium-grained sand - - - - -	5	17
Water level, 15.0 feet below land surface, 2 hours after hole completed.		
January 24, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 483</u>		
Gentle slope to valley flat, side of county road, 12 $\frac{1}{4}$ miles east of Franklin.		
Sand and some gravel -	2	2
Sandy clay - - - - -	4	6
Sand - - - - -	11	17
Water level, 15.5 feet below land surface, 1 hour after hole completed.		
January 24, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 488</u>		
Gentle slope to creek, side of county road, 12 $\frac{1}{4}$ miles east of Franklin.		
Sand - - - - -	2	2
Sandy clay - - - - -	7	9
Sand - - - - -	6	15
January 24, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 489</u>		
Side of ridge, side of county road, 7 $\frac{1}{2}$ miles southeast of Franklin.		
Sandy clay - - - - -	4	4
Sand - - - - -	33	37
January 20, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 491</u>		
Gentle slope to draw, side of county road, 8 $\frac{1}{4}$ miles southeast of Franklin.		
Sand - - - - -	1	1
Sandy clay - - - - -	11	12
Sand - - - - -	23	35
Sandy loam - - - - -	4	39
Sand - - - - -	1	40
Water level, 20.6 feet below land surface, 2 weeks after hole completed.		
January 20, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 492</u>		
Slope to creek, side of county road, 8 $\frac{5}{8}$ miles southeast of Franklin.		
Sand - - - - -	1	1
Sandy clay - - - - -	20	21
Sand - - - - -	16	37
January 20, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 494</u>		
Gentle slope to draw, side of county road, 10 $\frac{1}{2}$ miles southeast of Franklin.		
Sandy clay - - - - -	3	3
Sand and gravel - - - - -	5	8
Sandy red clay - - - - -	1	9
Sandy loam - - - - -	4	13
Clay - - - - -	9	22
Sandy loam - - - - -	6	28
Sand - - - - -	2	30
January 20, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 493</u>		
Valley flat, side of county road, 11 $\frac{1}{4}$ miles southeast of Franklin.		
Sand - - - - -	4	4
Sandy red clay - - - - -	5	9
Clayey red sand - - - - -	18	27
Gray clay - - - - -	2	29
Water level, 2.7 feet below land surface, 2 weeks after hole completed.		
January 20, 1941.		

	Thickness (feet)	Depth (feet)
<u>Well 497</u>		
Side of ridge, side of county road, 12 $\frac{1}{4}$ miles southeast of Franklin.		
Sandy clay - - - - -	5	5
Sand - - - - -	31	36
January 20, 1941.		

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

Analyzed by the Work Projects Administration at The University of Texas under the direction of Dr. F. P. Schoch, Director of the Bureau of Industrial Chemistry, and E. W. Lohr, Chemist, U. S. Department of the Interior, Geological Survey. Nitrate and Fluoride determined by F. W. Lohr. Results are in parts per million.

Well	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.)
5	Mrs. --- Davidson	60	Jan. 12, 1938	264	59	5	38	207	14	46	b/	-	168
6	Venix Stukaugh	110±	do.	224	45	15	22	214	11	26	b/	-	174
8	Ed. Skubal	58	do.	1,318	243	29	170	372	475	200	b/	-	728
10	Floise Gin Co., Inc.	26	Jan. 31, 1941	736	90	23	156	464	158	81	b/	-	319
12	Mrs. Seth Burnett	23	Dec 10, 1940	-	-	-	-	-	30	26	b/	-	-
14	Tom Mears	15	Jan. 29, 1941	1,422	170	50	310	921	189	250	b/	-	631
e/16	Lou Giddings	24	Jan 31, 1941	456	124	10	19	250	30	57	93	-	351
17	Ed. Roberts	28	Dec 10, 1940	826	158	20	117	293	95	260	32	-	477
18	-	24	do.	109	9	6	22	55	30	14	b/	-	49
19	C. M. Campbell	30	Dec 17, 1940	127	32	9	5	122	10	11	b/	-	115
20	Ed Roberts	47	Nov 15, 1940	965	194	44	83	146	212	360	b/	-	667
22	Mrs. H J. Youngblood	35	Dec 10, 1940	158	21	5	35	128	15	19	b/	-	73
23	Paul K. Tomcesen	21	do.	194	21	5	49	153	22	22	b/	-	73
24	C. A. Campbell	21	Jan 29, 1941	534	72	43	82	464	a/	108	b/	-	356
24	do.	41	do.	731	117	44	97	464	106	134	b/	0.2	472
26	George Abraham	30	do.	504	63	36	90	488	a/	67	b/	-	308
28	-	17	do.	1,208	126	33	275	421	219	320	28	-	450
31	Martin B. Kubiak	27	Jan 28, 1941	547	47	10	137	262	79	64	81	-	156
32	James T. Love	21	Dec. 10, 1940	1,159	82	33	320	256	118	500	b/	-	345
33	-	38	Jan. 29, 1941	474	55	11	92	43	29	170	96	-	182
34	R. L. McCall	32	Dec. 10, 1940	576	66	9	138	201	60	176	23	-	199
36	A. L. Kweling	26	Dec. 7, 1940	2,958	323	124	541	384	607	990	184	-	1,316
c/37	Robertson County	29	do.	887	105	7	202	189	250	210	20	0.2	289
38	-	48	Nov. 15, 1940	891	147	48	114	421	167	208	b/	-	565
39	W. P. A. Test	41	Jan. 2, 1941	1,090	194	49	146	244	30	540	b/	-	685
40	Willie Heiley	36	Nov. 15, 1940	-	-	-	-	-	27	59	47	-	-
c/41	Edward Goldsinski	50	do.	1,588	255	83	222	366	34	780	34	0.3	981
42	Stanley Grych	42	do.	338	67	6	49	159	34	84	20	-	194
43	Josie Hopcus	82	Jan. 9, 1941	609	85	13	117	122	25	245	64	-	268

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligram equivalents per liter on page 61.

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

Results are in parts per million.

Well	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.)
44	Mrs. -- Walker	55	Jan. 9, 1941	210	29	5	46	146	26	32	b/	-	93
45	T. & N. O. R.R.	16	Dec. 17, 1940	162	12	7	39	31	15	74	b/	-	60
46	Tom Ficklin	18	do.	845	25	42	200	281	30	136	270	-	236
47	-	42	do.	366	39	5	77	153	34	26	110	-	118
48	J. F. Bodiford	59	do.	232	27	18	35	134	38	46	b/	-	141
49	John Duhr	52	Jan. 9, 1941	309	47	13	53	122	12	124	b/	-	173
52	Bruno Hopcus	32	Jan. 9, 1941	1,928	330	107	203	79	317	930	b/	-	1,266
c/ 53	J. S. Allen	71	Nov. 15, 1940	567	75	38	81	220	95	170	b/	0.4	343
54	Walter Bates	67	do.	206	30	9	39	134	10	52	b/	-	110
57	Will Sandford	49	Nov. 20, 1940	246	26	8	62	189	13	44	b/	-	95
70	-	45	Oct. 29, 1940	378	52	16	70	201	18	108	b/	-	195
c/ 72	W. W. Delcher	34	Jan. 23, 1941	193	25	5	45	146	10	35	b/	0.6	83
74	A. N. Elam	34	Dec. 7, 1940	544	39	15	147	189	80	170	b/	-	159
75	F. H. Shivers	52	Oct. 29, 1940	434	59	12	86	73	58	125	108	-	197
77	W. P. A. Test	36	Jan. 28, 1941	988	190	50	97	43	15	570	45	-	681
78	-	40	Oct. 29, 1940	335	24	8	98	232	26	65	b/	-	95
80	Walter Meier	23	Jan. 28, 1941	892	134	50	43	61	15	116	504	-	541
82	N. Elam	34	Dec. 7, 1940	165	13	6	36	18	57	44	b/	-	59
83	J. J. Fagan	34	do.	1,000	147	38	138	201	428	150	b/	-	523
84	-	37	Jan. 29, 1941	158	32	7	12	92	24	10	28	-	110
c/ 85	Tom Powell Est.	23	do.	986	86	24	226	98	332	270	b/	0.1	315
86	Charley Briggs	44	do.	122	10	5	30	55	26	24	b/	-	43
88	do.	32	Jan. 28, 1941	261	47	11	36	128	30	72	b/	-	162
90	A. Talbot	39	do.	1,302	262	32	153	189	302	460	b/	-	785
92	-	31	Dec. 10, 1940	133	8	9	29	61	38	20	b/	-	55
96	Mrs. D. Doremus	309	Feb. 12, 1941	524	2	0	222	512	a/	46	b/	-	5
97	Mrs. Katie Norris	165	Dec. 10, 1940	391	85	16	28	220	42	44	68	-	280
98	Eugene Gibson	-	Feb. 12, 1941	617	1	2	258	561	a/	78	b/	-	12
99	Reagan McCrary	27	do.	523	56	26	111	378	47	84	b/	-	246
101	do.	450	do.	597	11	4	237	555	a/	71	b/	-	42
102	T. H. Cheaves	35	do.	327	55	12	51	256	18	30	35	-	188
103	Luther Royall	35	Dec. 10, 1940	687	44	9	225	561	17	106	b/	-	145
104	Eugene Gibson	500	Feb. 12, 1941	702	5	1	291	634	a/	89	b/	-	16
c/105	Jack Drenun	500	do.	718	3	2	299	653	a/	90	b/	0.5	17

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

c/ Analyses of selected wells are given in milligram equivalents per liter on page 51.

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

Results are in parts per million.

Well	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.)
107	C. D. Drury	-	Feb. 12, 1941	751	4	1	313	695	a/	33	b/	-	16
108	Sol Holliday	40	do.	659	158	15	76	421	31	169	b/	-	454
c/109	Gulf States Utilities Co.	680	Nov. 13, 1940	739	0	2	311	653	a/	104	b/	0.4	7
110	Robertson County	270	Feb. 12, 1941	473	2	0	200	470	a/	38	b/	0.4	5
111	Sidney Penneta	35	do.	1,630	167	45	391	366	101	740	b/	0.1	603
113	-	500	do.	537	1	2	224	500	a/	62	b/	0.3	12
114	Calvert Country Club	475±	Dec. 5, 1940	608	4	2	252	555	a/	76	b/	0.3	16
115	Eugene Field	20	do.	187	59	6	5	195	12	9	b/	-	174
116	Eugene Gibson	370	Feb. 12, 1941	486	3	1	203	470	a/	46	b/	-	11
117	Eugene Field	-	Dec. 5, 1940	417	2	4	169	390	a/	49	b/	-	22
118	Gibson Est.	-	do.	471	2	3	194	439	a/	54	b/	-	17
119	Jim Boney	41	do.	653	71	14	167	409	46	150	b/	-	233
121	W. P. A. Test	21	Jan. 23, 1941	583	72	43	104	653	34	9	b/	-	356
c/122	Dub Bowen	92	Feb. 7, 1941	481	19	19	109	12	43	128	156	0.7	127
124	Roseetta Robertson	43	Nov. 13, 1940	1,394	217	63	207	116	125	725	b/	-	799
126	G. B. Mears	620	Feb. 7, 1941	310	72	9	37	244	20	52	b/	-	215
127	do.	620	do.	533	5	11	206	543	a/	40	b/	-	57
129	Robertson County	297	Feb. 12, 1941	481	5	4	196	500	a/	28	b/	0.3	27
131	F. L. Redford	19	Dec. 10, 1940	365	133	36	143	439	110	220	b/	-	480
132	Will Dick	20	Oct. 29, 1940	306	26	13	62	55	119	59	b/	-	118
135	-- Stegall	16	do.	194	14	5	52	43	38	64	b/	-	53
c/136	Frank Martin	20	Dec. 5, 1940	579	56	18	132	159	108	180	b/	0.1	216
137	Mrs. Ann Jackson	37	do.	63	4	0	21	49	10	4	b/	-	10
142	A. Boswell	14	Feb. 13, 1941	229	21	13	38	12	77	69	b/	-	108
150	-	19	Oct. 21, 1940	181	18	7	34	43	81	20	b/	-	74
151	W. P. A. Test	30	Feb. 5, 1941	9,379	1,006	790	1,069	0	2,943	3,570	-	1.8	5,765
152	William Edwards	25	Nov. 13, 1940	289	34	16	50	31	12	150	b/	-	150
154	Harlen Farms	300±	Nov. 18, 1940	438	0	2	184	415	a/	46	b/	-	6
155	Conway Anderson	350	Feb. 7, 1941	436	3	2	180	421	a/	43	b/	0.2	16
156	Walter Whatley	960	do.	378	4	0	157	366	a/	34	b/	0.2	10

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligram equivalents per liter on page 61.

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

Results are in parts per million.

Well	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.)
158	W. C. Anderson	550	Dec. 5, 1940	405	2	3	165	378	a/	44	b/	-	17
159	do.	700	do.	367	4	2	150	354	a/	36	b/	-	16
160	George Whatley	960	Feb. 7, 1941	357	6	0	146	348	a/	33	b/	-	15
161	W. P. A. Test	24	Jan. 22, 1941	614	104	39	35	622	45	30	b/	-	419
162	Conway Anderson	-	Feb. 7, 1941	377	4	1	128	415	a/	38	b/	-	16
c/163	Karl Tideman	800±	Nov. 1, 1940	253	0	3	64	317	a/	28	b/	0.1	12
164	do.	725	Feb. 7, 1941	306	0	1	128	293	a/	30	b/	-	6
165	do.	800±	Nov. 1, 1940	284	0	4	115	275	a/	23	b/	-	17
166	R. R. Cole	20	do.	727	105	41	127	695	61	51	b/	-	430
167	Conway Anderson	-	Feb. 7, 1941	400	0	2	167	384	a/	39	b/	-	10
168	-- Ludson	945	Jan. 23, 1941	390	1	2	161	366	a/	38	b/	0.2	12
169	do.	27	Nov. 1, 1940	723	138	53	19	92	334	122	b/	-	563
c/171	City of Hearne	1,275	Feb. 13, 1941	419	0	1	176	397	a/	41	b/	0.3	6
172	Mabel S. Hall	28	Feb. 5, 1941	276	75	5	19	183	49	29	b/	-	208
173	Jose Ely	-	Feb. 13, 1941	1,109	2	0	471	1,061	a/	110	b/	-	5
174	Charlie Reistino	920	do.	347	2	1	143	317	a/	42	b/	0.4	11
175	Elmer Stubbs	700	do.	472	3	4	194	476	a/	36	b/	0.4	22
177	Deming Inv. Co.	500	do.	650	3	2	273	683	a/	34	b/	-	16
178	Joe Larear	900	do.	809	1	2	342	805	a/	65	b/	0.8	12
179	do.	500	do.	727	1	2	308	769	a/	35	b/	-	12
180	Fred Wood	648	do.	737	-	2	314	737	a/	32	b/	-	9
c/181	Joe Cotropia	675±	do.	865	5	2	361	848	a/	76	b/	0.8	22
182	Frances Altimore	380	Feb. 5, 1941	947	0	1	400	817	a/	140	b/	1.7	4
183	John F. Cuchia	400	do.	1,458	3	2	609	1,202	a/	250	b/	-	17
184	W. P. A. Test	31	Jan. 22, 1941	2,715	454	147	298	573	664	870	b/	-	1,741
185	L. D. Benedetto	-	Feb. 5, 1941	1,222	4	0	512	1,025	a/	200	b/	-	10
186	Cotropia Est.	-	Feb. 11, 1941	623	3	4	256	610	20	41	b/	-	22
187	T. L. Pizalate	465	Feb. 5, 1941	580	2	1	241	555	22	40	b/	-	11
188	Frank Pizalate	360	do.	1,017	3	2	423	848	a/	170	b/	-	17
189	John Grace	-	Nov. 13, 1940	959	2	2	403	860	a/	128	b/	-	11
190	Tom Ruffino	500	Feb. 5, 1941	780	0	3	324	738	38	52	b/	-	14
191	Pete Nigliazzo	800	do.	908	0	2	382	805	a/	126	b/	-	10

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligram equivalents per liter on page 61.

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

Results are in parts per million.

Well	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.)
192	Pete Nigliazzo	500	Feb. 5, 1941	519	4	1	210	470	45	27	b/	0.6	16
c/194	M. H. Ottea	500	Nov. 18, 1940	751	2	0	321	793	a/	34	b/	0.9	5
195	T. D. Wilson	-	Feb. 5, 1941	470	-	3	136	373	66	27	b/	-	14
196	W. P. A. Test	13	Jan. 21, 1941	444	120	34	9	543	10	3	b/	-	441
197	-- Lazarone	475+	Feb. 11, 1941	521	0	1	215	470	43	29	b/	-	5
198	Sam P. Scamardo	900+	Jan. 21, 1941	443	3	5	167	336	79	24	b/	0.2	23
199	Lewis J. Fachorn	620	Feb. 15, 1941	854	3	4	360	915	a/	35	b/	0.9	22
200	Joe Reistino	600	Feb. 11, 1941	413	6	1	158	317	66	24	b/	-	21
202	L. P. Scamardo	560	Feb. 5, 1941	429	0	1	171	329	70	24	b/	0.3	6
c/203	Joe Reistino	400+	Nov. 18, 1940	305	13	4	93	177	33	20	b/	0.1	47
204	W. P. A. Test	23	Jan. 24, 1941	1,638	94	40	469	525	287	490	b/	0.4	400
205	Tony Ottea	800+	Feb. 5, 1941	464	1	4	179	342	87	26	b/	0.2	17
206	do.	595	do.	431	1	4	163	343	62	20	b/	-	17
207	do.	-	do.	346	1	2	129	195	92	26	b/	-	12
208	I. & G. N. R.R.	800	Feb. 11, 1941	480	2	1	139	366	73	27	b/	-	11
210	J. H. Collier	700	Nov. 18, 1940	511	2	0	201	373	30	25	b/	0.2	5
211	E. H. Astin	800	Feb. 11, 1941	622	5	4	244	537	82	22	b/	-	27
212	do.	800	do.	457	0	1	132	354	74	25	b/	0.3	6
213	Astin Gin Co.	1,054	Nov. 18, 1940	537	2	0	216	403	63	53	b/	0.2	5
215	E. H. Astin	-	Feb. 11, 1941	461	-	2	190	433	31	25	b/	-	10
216	do.	700+	do.	509	-	4	207	464	35	35	b/	-	15
217	Ivan Langford	340	do.	1,044	3	2	439	1,000	a/	102	b/	1.6	17
218	do.	240	do.	1,024	-	4	433	1,025	a/	80	b/	-	15
219	Dewitt Bailey	25	do.	835	131	38	86	79	331	150	60	-	483
220	Henry Bowman	217	Feb. 3, 1941	228	25	13	39	92	57	48	b/	-	113
221	T. & N. O. R.R.	385	do.	134	14	6	31	92	a/	34	b/	-	59
222	Sam H. Seale	203	do.	479	64	22	63	92	139	88	b/	-	249
223	Bill Morrison	200	do.	1,463	196	71	196	220	641	250	b/	-	779
c/224	Walter Cole	200+	do.	1,953	236	122	222	122	1,019	290	b/	-	1,090
226	Mrs. H. R. SADBERRY	225	Nov. 18, 1940	664	2	0	234	702	a/	30	b/	1.3	5
227	do.	800	do.	426	1	1	180	427	a/	33	b/	-	6
228	Lola Sargent	700	Feb. 11, 1941	491	3	2	203	470	a/	47	b/	1.2	17

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligram equivalents per liter on page 61.

Partial analyses of water from wells and springs in Robertson County--Continued
Results are in parts per million

Well	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.)
229	Mrs. -- Pursell	94	Feb. 3, 1941	251	21	11	58	12	15	140	b/	-	97
232	-	17	Nov. 4, 1940	122	27	6	12	122	a/	9	b/	0.1	94
233	H. L. Greer	37	Feb. 3, 1941	159	2	1	57	43	22	55	b/	-	11
234	J. J. Fagan	-	Nov. 18, 1940	996	0	0	381	824	a/	108	b/	-	1
235	Martha McDaniel	21	Feb. 3, 1941	67	4	6	12	31	17	13	b/	-	34
237	S. O. Moss	37	Dec. 12, 1940	138	27	5	15	37	31	42	b/	-	88
238	W. A. Nichols	56	do.	89	15	4	14	67	12	11	b/	0.3	52
239	J. L. Fulton	29	Feb. 3, 1941	219	20	10	46	73	25	65	b/	-	91
c/242	Timmons Est.	37	Dec. 12, 1940	131	11	4	30	61	16	15	25	-	42
244	Humble Pipe Line Co.	600	Nov. 6, 1940	1,067	2	0	449	903	a/	170	b/	-	5
245	J. C. News	53	Nov. 18, 1940	471	16	3	154	0	49	230	b/	-	52
246	Warren Wilkerson	37	Nov. 1, 1940	356	28	11	69	0	125	80	43	-	117
247	H. B. Dotson	62	do.	462	65	23	76	73	12	250	b/	-	259
249	Harve Ross	25	do.	65	11	5	3	12	32	8	b/	-	48
250	George M. Brock	27	Dec. 16, 1940	369	19	18	61	12	60	25	180	-	121
251	Clark Kellough	44	do.	457	106	15	32	238	a/	76	103	-	324
252	J. J. Scasta	47	Oct. 22, 1940	358	51	11	76	238	a/	96	b/	-	172
253	J. C. Pruett	24	Jan. 20, 1941	362	70	16	48	336	25	21	b/	-	240
260	O. C. Melton	34	do.	33	9	2	0	18	a/	10	b/	-	32
261	-	44	do.	32	1	5	4	18	a/	10	b/	-	23
262	-- Abbot	52	do.	482	30	46	44	0	42	114	206	-	263
263	Mrs. -- Ewing	40	Nov. 12, 1940	23	2	3	2	12	a/	5	b/	-	17
264	Mrs. C. E. Ellison	78	Oct. 22, 1940	248	10	8	68	61	38	72	21	-	60
265	M. G. Tullous	68	Jan. 13, 1941	52	3	4	12	24	a/	17	b/	-	23
266	Joe Morgan	39	do.	186	12	7	43	85	20	22	40	-	60
267	C. B. Carter	27	Oct 22, 1940	353	108	8	21	390	a/	16	b/	-	305
269	L. Moore	50	-	426	98	13	48	289	20	102	b/	-	298
270	R. S. Smith	30	Jan. 13, 1941	406	31	18	95	189	72	82	b/	-	151
272	-	23	Nov. 12, 1940	433	12	8	140	12	57	210	b/	-	60
273	W. P. A. Test	29	Nov. 14, 1940	43	7	2	4	6	11	12	b/	-	26
274	V. C. Box	35	Nov 12, 1940	104	2	0	36	12	30	30	b/	-	5
275	Gulf States Utilities Co.	169	Nov. 13, 1940	82	6	4	17	24	27	16	b/	-	32

a/ Sulphate less than 10 parts per million.
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Partial analyses of water from wells and springs in Robertson County--Continued

Results are in parts per million.

Well	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.)
276	W. T. Mauk	35	Jan. 13, 1941	68	17	3	5	73	a/	1	b/	-	57
c/279	-- Johnson	26	Oct. 22, 1940	285	17	10	78	43	15	142	b/	0.1	81
281	Edd Fulton	41	Feb. 10, 1941	250	8	7	59	24	31	32	101	-	50
283	Jimmy Beal	25	Nov. 1, 1940	436	22	11	129	98	46	180	b/	-	102
c/285	Julie Moore	70	do.	1,525	99	54	315	0	512	515	30	0.1	468
286	-	20	do.	130	12	3	32	49	27	32	b/	-	42
290	J. R. Gandy	17	Oct. 21, 1940	455	25	32	60	0	288	50	b/	-	195
292	State Highway Dept.	25	Feb. 13, 1941	139	15	4	26	18	74	11	b/	-	52
294	Oscar Scott	16	Nov. 30, 1940	141	10	9	29	12	32	56	b/	-	60
298	E. M. Towns	12	Oct. 21, 1940	829	16	7	298	244	88	300	b/	0.1	68
300	M. L. McMillan	25	Nov. 30, 1940	403	31	22	68	0	190	92	b/	0.3	169
312	Mrs. Alice Gregory	54	Oct. 29, 1940	2,422	460	163	202	79	a/	1,550	b/	-	1,821
314	Dr. -- Hurt	10	Oct. 24, 1940	54	3	3	12	31	12	8	b/	-	22
315	T. A. Luster	35	Nov. 20, 1940	2,155	275	121	351	207	159	1,140	b/	-	1,185
316	do.	29	do.	269	7	5	98	268	20	6	b/	0.8	38
319	J. D. Arnett	38	Oct. 29, 1940	4,315	626	225	525	342	1,651	1,120	b/	-	2,439
322	W. P. A. Test	32	Nov. 20, 1940	2,296	164	112	563	403	27	1,230	b/	-	869
324	C. M. Campbell	56	Nov. 15, 1940	763	116	49	85	220	205	200	b/	-	490
329	-	52	Nov. 29, 1940	589	90	44	66	360	114	98	b/	0.1	407
331	W. P. A. Test	34	Jan. 9, 1941	5,685	830	242	738	43	2,150	1,700	b/	0.2	3,069
332	Mrs. J. R. Jenkins	36	do.	1,847	212	98	325	488	306	640	26	-	936
333	Sam Rogers	31	do.	500	68	24	57	55	21	138	165	-	270
336	Cazy Est.	54	Nov. 6, 1940	1,181	175	64	170	238	140	515	b/	-	699
338	Lamar Engram	64	Nov. 29, 1940	443	57	21	83	201	39	144	b/	-	228
340	W. P. A. Test	27	Jan. 2, 1941	94	10	7	15	18	15	41	b/	-	55
342	B. T. Baxter	49	Nov. 29, 1940	588	97	39	72	427	80	90	b/	-	404
344	-	23	do.	44	10	2	3	0	10	19	b/	-	31
345	J. R. Turner	43	Oct. 19, 1940	636	84	36	114	427	42	150	b/	-	357
346	Will Baxter	Spring	do.	45	0	13	3	18	a/	12	b/	-	12
350	T. C. Shipper	49	Nov. 20, 1940	1,679	142	89	366	12	18	1,050	b/	-	720
c/354	Mrs. Dave Wilson	Spring	Dec. 29, 1940	28	2	4	2	12	a/	5	b/	0.1	22
356	Wiley Robertson	39	Nov. 6, 1940	173	22	10	32	134	13	30	b/	-	96
357	Weideman Est.	40	do.	739	40	20	216	384	110	148	b/	0.2	182

a/ Sulphate less than 10 parts per million.

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

Results are in parts per million.

Well	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)
358	Holman Est.	53	Jan. 8, 1941	237	25	11	47	116	49	48	b/	-	107
359	J. T. Boyd	54	Nov. 6, 1940	193	16	4	58	171	a/	29	b/	-	57
361	Annie Sanders	48	do.	437	47	14	101	92	20	210	b/	-	173
363	H. I. Mitchell	72	Jan. 9, 1941	198	22	10	46	220	a/	11	b/	-	96
365	Glen Smith	35	Jan. 8, 1941	2,001	282	130	275	134	60	1,170	b/	-	1,240
367	-	77	Nov. 12, 1940	262	38	11	49	165	a/	76	b/	-	142
369	-	26	do.	958	72	33	241	323	167	280	b/	-	316
370	W. C. Shipper	48	Nov. 6, 1940	861	110	52	133	104	95	420	b/	-	487
372	C. E. Petteway	18	do.	600	65	12	149	171	30	260	b/	-	213
373	C. Tate	18	do.	425	108	18	17	134	84	132	b/	-	346
375	J. A. Jackson	64	Dec. 17, 1940	497	63	27	84	61	25	260	b/	-	267
376	Federal Land Bank	79	do.	342	61	28	27	79	a/	180	b/	-	267
377	-	48	do.	371	61	19	52	110	12	170	b/	-	232
c/378	Breed Est.	51	Dec. 9, 1940	3,541	417	184	629	214	326	1,880	b/	0.3	1,798
379	Tom Greer	63	do.	95	4	4	29	73	a/	18	b/	0.4	27
380	Lully Hill	23	do.	1,102	76	43	250	92	68	440	180	-	367
381	Mrs. Vernie Gilbert	89	Jan. 8, 1941	168	22	7	29	49	12	60	b/	-	85
382	Jasper Burns	75	Nov. 12, 1940	-	-	-	-	-	15	170	b/	-	-
383	Guy Hooper	230	Feb. 4, 1941	271	55	11	36	238	20	32	b/	-	182
385	L. D. Hager	30	do.	103	7	2	27	37	38	11	b/	-	27
386	Zeal Weir	92	Nov. 12, 1940	-	-	-	-	-	68	210	b/	-	-
c/387	Robertson County	39	Jan. 8, 1941	410	76	24	37	159	28	126	41	0.2	290
388	J. C. Reagan	65	do.	2,604	490	195	94	458	1,075	515	b/	-	2,025
389	Mrs. J. S. Blackburn	72	do.	197	25	13	31	104	23	54	b/	-	118
390	-	72	do.	224	46	18	14	201	25	22	b/	-	191
391	Doc. B. Turner	31	do.	786	94	34	142	140	42	330	75	-	376
392	H. A. Lincecn	60	Feb. 4, 1941	508	81	28	68	85	24	260	b/	0.1	317
393	W. R. Starks	18	Jan. 8, 1941	3,116	342	176	541	488	566	1,250	b/	0.5	1,579
394	J. V. Johnson	35	do.	335	47	12	64	262	29	30	24	-	168
395	J. P. Pace	56	Dec. 9, 1940	668	145	48	18	98	159	250	b/	-	560
397	Mrs. Jim Henson	110	do.	990	188	70	72	43	59	580	b/	-	758
398	W. W. Goodman	43	Feb. 4, 1941	1,341	157	61	268	177	a/	760	b/	-	643

a/ Sulphate less than 10 parts per million.

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

Results are in parts per million.

Well	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.)
399	-	30	Feb. 4, 1941	619	41	13	138	336	22	190	b/	-	158
400	R. C. Turner	28	do.	242	9	4	76	122	41	29	24	-	37
401	W. E. Hughes	26	do.	52	5	2	12	31	a/	14	b/	-	22
402	Robertson County	43	do.	704	75	13	159	37	147	280	b/	-	243
403	G. E. Bishop	77	Dec. 9, 1940	1,047	176	59	124	317	61	410	61	-	681
404	Ernest Turner	51	Feb. 4, 1941	1,210	102	56	279	354	94	490	b/	-	485
405	-	12	do.	506	65	13	115	384	45	70	b/	-	218
406	-	49	Dec. 9, 1940	1,344	231	107	101	543	298	340	b/	-	1,016
407	A. C. Padgett	51	Feb. 4, 1941	571	76	26	81	140	253	66	b/	-	296
408	J. C. Reagan	51	Dec. 9, 1940	206	37	14	20	110	28	50	b/	-	148
409	G. T. Reagan	24	Feb. 4, 1941	711	58	18	184	409	75	108	67	-	221
410	-- Dunkum	25	Dec. 9, 1940	796	27	22	216	18	182	250	90	-	159
c/411	S. E. Gray	Spring	Oct. 18, 1940	59	1	2	12	0	19	19	b/	0.1	11
412	do.	25	do.	141	11	11	15	61	27	19	b/	-	72
413	Henry Perkins	44	Dec. 9, 1940	457	68	16	67	232	20	56	113	-	235
414	T. L. Johnson	76	do.	136	17	5	27	43	18	48	b/	0.1	63
416	G. H. Ingram	49	Nov. 12, 1940	391	50	21	69	110	12	185	b/	-	213
420	J. S. Price	54	Nov. 14, 1940	2,733	394	146	219	0	1,744	230	b/	-	1,585
421	W. P. A. Test	20	do.	593	24	20	161	238	231	40	b/	-	142
422	Caster Est.	21	Dec. 9, 1940	91	6	3	24	0	a/	52	b/	-	27
423	Mrs. L. C. McClure	11	Oct. 18, 1940	508	39	32	80	12	272	79	b/	-	230
424	J. W. Caldwell	17	Nov. 27, 1940	83	13	5	10	49	25	6	b/	-	53
426	J. H. Ingram	67	Jan. 3, 1941	186	20	10	35	24	a/	94	b/	-	91
c/427	W. B. Hana	34	do.	210	24	10	41	165	25	9	20	-	101
428	J. J. Stevens	26	Nov. 27, 1940	52	4	2	8	0	35	4	b/	-	16
431	Stanolind Pipe Line Co.	90	Oct. 18, 1940	272	10	8	27	0	125	41	b/	-	60
433	Lee Eaton	26	Jan. 3, 1941	48	0	1	17	37	a/	4	b/	-	5
434	G. H. Ingram	44	Nov. 14, 1940	109	13	6	19	24	10	49	b/	-	59
436	W. P. A. Test	26	Nov. 27, 1940	39	2	5	1	0	27	4	b/	-	26
437	Mrs. -- Hanhart	34	Jan. 3, 1941	714	72	20	159	104	113	270	29	-	262
438	C. A. Eastep	48	Oct. 18, 1940	6,128	629	384	429	0	3,686	710	b/	-	3,152
440	Matt McBride	38	Oct. 28, 1940	54	1	1	19	37	12	3	b/	-	6

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligram equivalents per liter on page 61.

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

Results are in parts per million.

Well	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)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Fluoride (F)	Total hardness as CaCO ₃ (calc.)
444	J. G. Rabe	202	Oct. 13, 1947	405	17	23	95	12	227	34	b/	0.1	157
445	Paul Schultz	42	Nov. 14, 1940	2,271	201	114	537	12	a/	1,500	b/	--	970
446	W. P. A. Test	25	do.	175	7	9	42	13	53	55	b/	--	56
451	Mrs. Garrett Rabe	28	Nov. 30, 1940	370	40	26	26	0	243	35	b/	--	206
455	W. P. A. Test	34	do.	3,533	533	153	177	0	2,654	66	b/	--	1,974
460	A. Sixt	44	Oct. 23, 1940	1,870	233	86	309	13	330	390	b/	--	943
461	L. F. Ferguson	40	Jan. 3, 1941	137	0	2	43	12	33	26	22	--	9
463	Grady Mauk	27	Oct. 23, 1940	305	40	5	75	233	a/	47	b/	--	118
465	Roger May	45	Oct. 13, 1940	1,406	111	73	242	0	442	510	b/	--	593
466	W. P. A. Test	36	Jan. 24, 1941	164	15	6	35	43	47	40	b/	--	64
467	August Leavine	33	do.	566	27	13	165	171	42	130	55	--	123
468	G. C. Becktold	24	Oct. 23, 1940	37	3	1	9	18	12	3	b/	--	11
470	W. P. A. Test	20	Jan. 24, 1941	366	20	16	93	55	15	190	b/	--	115
c/471	Federal Land Bank	21	Oct. 23, 1940	42	1	2	12	12	a/	15	b/	0.1	11
473	L. O. Cazey	Spring	do.	73	5	3	15	13	a/	21	b/	--	27
474	W. P. A. Test	26	Jan. 24, 1941	593	123	43	13	342	203	23	b/	--	496
475	W. T. McBride	22	do.	492	33	15	122	116	26	130	54	--	154
477	C. W. Leggett	27	Oct. 28, 1940	126	16	4	28	85	a/	29	b/	--	58
479	Robertson County	26	do.	341	33	12	85	165	a/	123	b/	--	132
482	W. A. Southworth	35	do.	96	2	4	50	43	a/	37	b/	--	23
484	W. R. McDonald	45	do.	49	3	2	13	24	a/	11	b/	--	16
485	W. A. Southworth	44	do.	217	16	14	47	171	46	10	b/	--	99
487	do.	23	Jan. 24, 1941	148	31	12	10	177	a/	1	b/	--	123
490	T. D. Welch	57	Oct. 23, 1940	156	25	10	20	24	a/	88	b/	--	101
491	W. P. A. Test	40	Jan. 20, 1941	1,622	154	39	331	0	15	1,030	b/	--	750
493	Mrs. R. F. Moore	190	Oct. 23, 1940	43	1	3	10	31	a/	8	b/	--	17
495	Bell Miller	18	Jan. 20, 1941	35	13	5	12	13	a/	44	b/	--	53
496	W. P. A. Test	29	do.	43	6	0	11	13	a/	9	b/	--	15
498	Mrs. Esther Parker	28	do.	69	2	6	17	55	a/	12	b/	--	29

a/ Sulphate less than 10 parts per million.

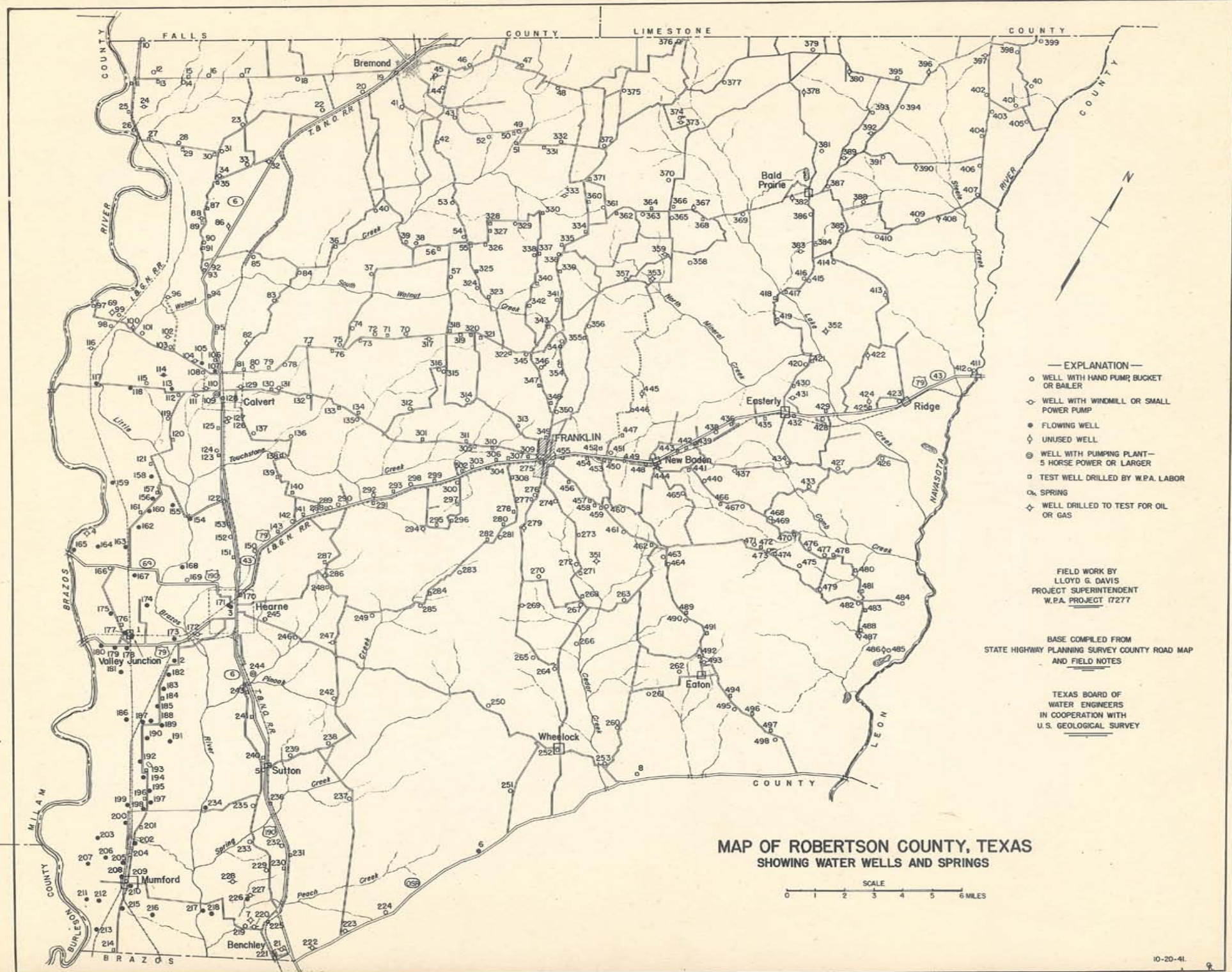
b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligram equivalents per liter on page 61.

Chemical analyses--Continued

Results are in milligram equivalents per liter

Well	Owner	Depth of well (ft.)	Date of collection	Total hardness as CaCO ₃ (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total dissolved solids (calc.)
16	Lou Giddings	24	Jan. 31, 1941	7.02	6.22	0.80	0.82	4.10	0.63	1.61	-	1.50	15.68
37	Robertson County	29	Dec. 7, 1940	5.73	5.24	0.54	8.77	3.10	5.21	5.92	0.01	0.32	29.10
41	Edward Goldsinski	50	Nov. 15, 1940	19.62	12.76	6.86	9.64	6.00	0.71	22.00	0.02	0.55	58.52
53	J. S. Allen	71	do.	6.86	3.74	3.12	3.53	3.60	1.98	4.79	0.02	-	20.78
72	W. W. Delcher	34	Jan. 28, 1941	1.66	1.26	0.40	1.97	2.40	0.21	0.99	0.03	-	7.26
85	Tom Powell Est.	23	Jan. 29, 1941	6.30	4.30	2.00	9.84	1.60	6.92	7.62	0.01	-	32.28
105	Jack Drenun	500	Feb. 12, 1941	0.34	0.14	0.20	12.98	10.70	0.04	2.54	0.03	0.01	26.64
109	Gulf States Utilities Co.	680	Nov. 13, 1940	0.14	0.02	0.12	13.53	10.70	0.02	2.93	0.02	-	27.34
122	Dub Bowen	92	Feb. 7, 1941	2.54	0.94	1.60	4.72	0.20	0.39	3.61	0.04	2.52	14.52
136	Frank Martin	20	Dec. 5, 1940	4.32	2.80	1.52	5.73	2.60	2.25	5.03	0.01	0.12	20.10
163	Karl Tideman	800±	Nov. 1, 1940	0.24	0.02	0.22	2.79	5.20	0.04	0.79	0.01	-	6.06
171	City of Hearne	1,275	Feb. 13, 1941	0.12	0.02	0.10	7.64	6.50	0.08	1.16	0.02	0.02	15.52
181	Joe Cotropia	675±	do.	0.44	0.24	0.20	15.70	13.90	0.06	2.14	0.04	-	32.28
194	M. M. Ottea	500	Nov. 18, 1940	0.10	0.08	0.02	13.97	13.00	0.06	0.96	0.05	-	28.14
203	Joe Reistino	400+	do.	0.94	0.64	0.30	4.26	2.90	1.74	0.56	0.01	-	10.40
224	Walter Cole	200±	Feb. 3, 1941	21.80	11.80	10.00	9.66	2.00	21.22	8.18	-	0.06	62.92
242	Timmons Est.	37	Dec. 12, 1940	0.84	0.54	0.30	1.31	1.00	0.33	0.42	-	0.40	4.30
279	-- Johnson	26	Oct. 22, 1940	1.62	0.84	0.78	3.40	0.70	0.31	4.01	0.01	-	10.04
285	Julie Moore	70	Nov. 1, 1940	9.36	4.94	4.42	13.71	0.00	10.67	14.52	0.01	0.48	46.16
354	Mrs. Dave Wilson	Spring	Dec. 29, 1940	0.44	0.12	0.32	0.09	0.20	0.19	0.14	0.01	-	1.06
378	Breed Est.	51	Dec. 9, 1940	35.96	20.36	15.10	27.35	3.50	6.79	53.02	0.02	-	126.62
387	Robertson County	39	Jan. 3, 1941	5.80	3.80	2.00	1.59	2.60	0.58	3.55	0.01	0.66	14.78
411	S. E. Gray	Spring	Oct. 18, 1940	0.22	0.04	0.18	0.52	0	0.40	0.54	0.01	-	1.48
427	W. B. Hana	34	Jan. 3, 1941	2.02	1.22	0.80	1.77	2.70	0.52	0.25	-	0.32	7.58
471	Federal Land Bank	21	Oct. 28, 1940	0.22	0.06	0.16	0.54	0.20	0.12	0.42	0.01	-	1.48



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

FIELD WORK BY
LLOYD G. DAVIS
PROJECT SUPERINTENDENT
W.P.A. PROJECT 17277

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

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

**MAP OF ROBERTSON COUNTY, TEXAS
SHOWING WATER WELLS AND SPRINGS**

