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CASTRO COUNTY, TEXAS.

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

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By
Lloyd J. Ryman, Joe W. Lang and W. E. Broadhurst

* * *

Prepared in cooperation with the Geological Survey,
United States Department of the Interior, The Bureau
of Industrial Chemistry of The University of Texas,
and the Work Projects Administration. ~~Ground-water~~
survey project number 12205. Mr. Lloyd J. Ryman
Project Superintendent.

* * *

Austin, Texas
December 15, 1939

CASTRO COUNTY, TEXAS

Introduction

by
W. O. George
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This publication contains records of wells, logs of wells and test holes, and analyses of water from wells in Castro County, Texas. Records of a part of the irrigation wells listed were obtained by J. W. Lang and W. L. Broadhurst in 1937 in connection with the regular cooperative program of ground water studies in the Texas High Plains by the State Board of Water Engineers in cooperation with the Geological Survey of the U. S. Department of the Interior. The records in most of the county were obtained in an inventory made by the Work Projects Administration. This survey (Work Project No. 12205, District 17, Lubbock) was started November 15, 1938, and completed April 14, 1939, with Mr. Lloyd Ryman as project superintendent. Mr. J. W. Lang assisted in the supervision of the project.

The analyses were made by chemists employed on Work Projects Administration Project No. 10443 under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry, University of Texas, and E. W. Lohr, Chemist of the Quality of Water Division of the Federal Geological Survey. The Bureau of Industrial Chemistry furnished laboratory space and equipment. The analyses in this release are tabulated in parts per million. A number 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.

This release was typed by typists employed on Work Projects Administration Project No. 10443.

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 afford a basis for the more intensive investigation that is now being carried on by the State Board of Water Engineers in cooperation with the Federal Geological Survey. The purpose of this investigation is to determine the distribution and extent of the available ground-water supplies, and the safe yield of the underground reservoirs. Two preliminary papers by Walter N. White, W. L. Broadhurst, and J. W. Lang on ground water in the High Plains in Texas have already been issued in mimeographed form, and a more complete report is being prepared.

Records of wells in Castro County, Texas
(All wells are drilled.)

(See "Logs of W. F. A. test wells" for records of test wells.)

No.	Distance from Dimmitt	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
1	16½ miles northwest	172, cen. SW¼	B. S. & F. blk. M-7	Summerfield Public School	--	Old	120	--
2	do.	172, NE¼SW¼	do.	--	--	--	122	10
3	do.	11, NW¼S½	W. A. Odell blk. B	L. L. Cannon	Jim Mauk	1937	220	16
4	do.	11, NE¼N½	do.	do.	--	--	111	6
5	14½ miles northwest	161, NE¼SE¼	B. S. & F. blk. M-7	Mrs. Alice Monday	--	1938	140	10
6	16 miles northwest	159, SE¼NW¼	do.	J. A. Pitman	Jones & Evans	1937	200	15
7	do.	150, NW¼NW¼	do.	B. M. Wiltshire	--	--	153	16
8	12½ miles northwest	125, SW¼NW¼	do.	S. P. Rosson	--	1937	160	15
9	15½ miles northwest	150, NW¼SE¼	do.	M. D. Welty	--	--	100	5
10	14½ miles northwest	128, SW¼NE¼	do.	W. N. Hodges	Joe Lytle	1937	165	14
11	do.	128, NW¼SW¼	do.	L. B. Holland	L. B. Holland	1937	160	12
12	do.	128, SW¼NW¼	do.	do.	--	1937	--	15
13	14 miles northwest	115, SW¼NW¼	do.	V. C. Hodges	L. Ellis	1937	172	14
14	do.	106, SW¼NW¼	do.	J. N. Benson	--	--	91	6
15	13½ miles northwest	116, NW¼NW¼	do.	J. E. Andrews	A. B. Hayes	1937	--	--
16	13 miles northwest	127, SE¼SE¼	do.	H. D. Robbins	--	--	70	6

a/ Measuring point was usually top of casing, top of pipe clamp, top of pump base or bottom of discharge pipe.

b/ T, turbine; C, cylinder; Cf, centrifugal; W, windmill; E, electric; G, gasoline; O, diesel; Ng, natural gas; H, hand; number indicates horsepower.

Records obtained by Bruce Wilson and Lloyd J. Ryman. Project Superintendents and by Joe W. Lang of the Texas State Board of Water Engineers.

(Chemical analysis of water from these wells are in the table of analysis.)

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement d/				
1	--	105	d/	C,W	P	Gentle slope	
2	0.3	109.9	Dec. 19, 1938	C,W	D,S	Flat	Supplies water for three families in Summerfield.
3	--	103	d/	T,G, 50	I	Gentle slope	Estimated yield, 600 to 900 gallons a minute. Irrigated 145 acres in 1937, 180 acres in 1938. 200 feet of 16-inch casing; 115 feet perforated.
4	2.4	103.9	Aug. 19, 1937	C,W	N	Slope	Located at west edge of Summerfield. f/
5	1	83.9	Dec. 8, 1938	C,W	S	Flat	Steel casing.
6	3.7	127.8	Sept. 16, 1937	T,G, 50	I	Top of ridge	Estimated yield, 750 to 800 gallons a minute. Irrigated 220 acres in 1937, 430 acres in 1938. 15-inch and 13-inch steel casing, top to bottom.
7	1	120.3	Jan. 3, 1939	T,G, 45	I	Flat	16-inch perforated steel casing, top to bottom. 3-stage pump set at 160 feet; 10-feet of
8	1.8	73.4	Oct. 28, 1937	T,G, 40	I	Slope	Estimated yield, 800 gallons a minute. Irrigated 240 acres in 1937. 15-inch 8-5/8-inch suction pipe.
9	--	80	d/	C,W	D,S	do.	Located near steel casing. f/ dry lake.
10	--	97	d/	T,G, 50	I	do.	Estimated yield, 800 to 1,000 gallons a minute. Irrigated 415 acres in 1937; 295 acres in 1938. 12-inch steel casing top to bottom; perforated below 80 feet. 3-stage pump set at 125 feet. Water from
11	0.5	99.7	Oct. 28, 1937	T,G, --	--	Top of ridge	Irrigated fine-grained red sand. 40 acres in 1937. 12 1/2-inch steel casing, top to bottom. Water from
12	0.2	100.7	do.	None	N	Gentle slope	Filled and medium grained sand. abandoned when visited March 3, 1939.
13	1	93.3	Jan. 3, 1939	T,G, 90	I	do.	Estimated yield, 800 gallons a minute. Irrigated 320 acres in 1937; 235 acres in 1938. 168 feet of 14-inch casing at top; perforated below 85 feet. 4-stage pump set at 140 feet; 20 feet of suction pipe.
14	1	74.7	Dec. 14, 1938	C,W	D,S	Flat	Steel casing.
15	--	--	--	--	I	Slope	Not developed when visited, Nov. 23, 1937. Water from fine-grained
16	1	56.9	Feb. 23, 1939	C,W	S	do.	Steel casing. Located red sand. 1/2 mile northwest of Frio Draw.

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

d/ Water level reported.

e/ No water sample collected for analysis.

f/ For additional water levels, see U. S. G. S. Water-Supply Paper 840, water levels and artesian pressure in wells in the United States in 1937, pp. 387-88.

Records of wells in Castro County--Continued

No.	Distance from Dimmitt	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
17	13 miles northwest	116, NW $\frac{1}{2}$ SE $\frac{1}{2}$	B. S. & F. blk. M-7	J. E. Andrews	--	--	44	6
18	11 $\frac{1}{2}$ miles northwest	118, NE $\frac{1}{2}$ NE $\frac{1}{2}$	do.	Frio Public School	--	--	74	5
19	12 miles northwest	117, SW $\frac{1}{2}$ SW $\frac{1}{2}$	do.	S. B. Oglesby	--	1904	70	--
20	10 miles northwest	97, N $\frac{1}{2}$ NE $\frac{1}{2}$	do.	A. C. Hawks	R. Brazil	1936	120	14
27	11 $\frac{1}{2}$ miles northwest	118, SE $\frac{1}{2}$ NE $\frac{1}{2}$	do.	H. D. Robbins	Haney & Ware	1937	164	14
28	11 miles northwest	103, SE $\frac{1}{2}$ NE $\frac{1}{2}$	do.	Mrs. C. F. Gallaher	--	--	72	--
29	12 miles northwest	104, SW $\frac{1}{2}$ NE $\frac{1}{2}$	do.	J. E. Andrews	A. B. Hayes	1935	110	--
30	do.	do.	do.	do.	do.	1935	--	--
31	10 miles north	74, SE $\frac{1}{2}$ SW $\frac{1}{2}$	do.	T. L. Sparkman Jr.	--	1934	140	14
32	10 $\frac{1}{2}$ miles north	81, NE $\frac{1}{2}$ NW $\frac{1}{2}$	do.	W. A. Springer	A. B. Hayes	1930	126	16
33	11 $\frac{1}{2}$ miles northwest	95, SW $\frac{1}{2}$ SW $\frac{1}{2}$	do.	Earl Springer	Green Machinery Co.	1937	160	--
34	do.	do.	do.	do.	A. B. Hayes	1935	165	--
35	12 $\frac{1}{2}$ miles northwest	105, NE $\frac{1}{2}$ SW $\frac{1}{2}$	do.	J. E. Andrews	do.	1937	170	--
36	12 miles north	72, SW $\frac{1}{2}$ NE $\frac{1}{2}$	do.	H. C. Hancock	W. D. Luncie	1936	181	14 $\frac{1}{2}$
37	13 miles northwest	105, SE $\frac{1}{2}$ NW $\frac{1}{2}$	do.	H. F. Benson	A. B. Hayes	1937	169	16
38	14 miles north	106, NE $\frac{1}{2}$ NE $\frac{1}{2}$	do.	E. M. Potter	--	--	35	--
39	13 $\frac{1}{2}$ miles north	93, NW $\frac{1}{2}$ NE $\frac{1}{2}$	do.	H. C. Doak	--	--	--	--
40	10 $\frac{1}{2}$ miles north	51, NW $\frac{1}{2}$ SW $\frac{1}{2}$	do.	W. W. Adams	W. W. Adams	1937	132	16

Bruce Wilson and Lloyd J. Ryman, Project Superintendents and by Joe W. Lang of the Texas State Board of Water Engineers.

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
17	2	21.4	Oct. 22, 1937	C,W	S	Bottom of draw	Steel casing. Located in Frio Draw.
18	0.6	66.2	Dec. 13, 1939	C,W	N	Flat	Steel casing.
19	--	66	d/	C,W	D,S	do.	No casing. Reported strong supply.
20	3.2	70.9	May 28, 1936	T,G, 85	I	Gentle slope	Irrigated 200 acres in 1937 and 1938. Perforated steel casing. Pump set at 90 feet; 10 feet of suction pipe.
27	1.3	70.3	Nov. 23, 1937	T,G, 90	I	Top of ridge	Estimated yield, 800 gallons a minute. Irrigated 150 acres in 1937; 200 acres in 1938. 14-inch steel casing, 68 to 164 feet. Pump set at 100 feet. See log. f/
28	--	65	d/	C,W	D,S	Flat	Steel casing.
29	--	75	d/	None	N	Slope	Located 8 feet west of well 30.
30	--	--	--	T,G, 50	I	do.	Irrigated 307 acres in 1937.
31	3.7	61.2	May 26, 1936	T,E	I	Top of ridge	Estimated yield, 1,000 gallons a minute. Irrigated 244 acres in 1937. 14-inch steel casing. f/
32	0.5	65.2	May 28, 1936	T,G	I	Gentle slope	Estimated yield, 1,000 gallons a minute. Irrigated 82 acres in 1937.
33	--	80	d/	T,G, --	I	Flat	Estimated yield, 800 gallons a minute. With well 34, No casing. f/
34	--	75	d/	T,G, 60	I	do.	Re-ported 20 feet drawdown after pumping 850 gallons a minute for 36 hours. Irrigated 250 acres in 1938.
35	--	80	d/	T,G, --	I	Top of ridge	Estimated yield, 800 gallons a minute. Irrigated 75 acres in 1937. Water from fine-grained red sand.
36	1	80.7	Jan. 14, 1937	T,G, 60	I	Gentle slope	Reported 22 feet, draw-down after pumping 800 gallons a minute for one hour. Irrigated 196 acres in 1937; 123 acres in 1938. 125 feet of 14 $\frac{1}{2}$ -inch perforated casing.
37	1.5	82.8	Nov. 23, 1937	T,Ng, 50	I	Slope	Estimated yield, 800 gallons a minute. Irrigated 349 acres in 1937. 14 feet of 16-inch casing at top; 113 feet of 11-inch perforated casing at bottom. Water from fine-grained red sand.
38	0.5	31.1	Feb. 22, 1939	C,W	D,S	do.	Located 500 feet east of draw.
39	1	66.2	Jan. 3, 1939	T,G, 80	I	Flat	Located near Frio Draw.
40	1.5	64.2	do.	T,G, 25	I	Top of ridge	Estimated yield, 800 gallons a minute. Irrigated 380 acres in 1937; 130 acres in 1938. 90 feet of 16-inch steel casing. Is north well of three wells.

Records of wells in Castro County--Continued

No.	Distance from Dimmitt	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
41	12 miles north	83, SE $\frac{1}{2}$ NE $\frac{1}{2}$	B. S. & F. blk. M-7	G. C. Westcoat	Bishop & Whitman	1937	175	14 $\frac{1}{2}$
42	do.	72, SE $\frac{1}{2}$ NW $\frac{1}{2}$	do.	Dr. B. M. Puckett	--	--	115	26
42a	do.	72, NE $\frac{1}{2}$ SW $\frac{1}{2}$	do.	J. J. Perkins	--	--	--	--
43	11 $\frac{1}{2}$ miles north	73, NW $\frac{1}{2}$ NW $\frac{1}{2}$	do.	J. L. Quicksell	--	--	81	5
44	do.	73, NW $\frac{1}{2}$ NE $\frac{1}{2}$	do.	Mrs. M. Ritch	--	1937	170	16
45	12 miles north	61, SW $\frac{1}{2}$ NW $\frac{1}{2}$	do.	Dr. B. M. Puckett	W. D. Muncie	1937	158	15
46	7 $\frac{1}{2}$ miles north	54, SW $\frac{1}{2}$ SW $\frac{1}{2}$	do.	Edwin Mauk	Jim Mauk	1937	175	14
47	12 miles north	50, NW $\frac{1}{2}$ NW $\frac{1}{2}$	do.	H. O. Simms	--	1938	132	--
48	10 $\frac{1}{2}$ miles north	30, NW $\frac{1}{2}$ NW $\frac{1}{2}$	do.	J. M. Richardson	W. D. Muncie	1935	162	16
52	7 $\frac{1}{2}$ miles northeast	1, NW $\frac{1}{2}$ NE $\frac{1}{2}$	blk. M-10A	C. G. Maples	do.	1935	170	--
53	9 $\frac{1}{2}$ miles north	52, SW $\frac{1}{2}$ NW $\frac{1}{2}$	B. S. & F. blk. M-7	W. A. Hunter	do.	--	135	16
54	12 $\frac{1}{2}$ miles north	49, NW $\frac{1}{2}$ SW $\frac{1}{2}$	do.	L. Olson	-- McDade	1937	154	14
55	12 miles north	6, SW $\frac{1}{2}$ NW $\frac{1}{2}$	do.	R. A. Gilliam	--	--	81	--

Bruce Wilson and Lloyd J. Ryman, Project Superintendents and by Joe W. Lang of the Texas State Board of Water Engineers.

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
41	--	75	d/	T,G, --	I	Gentle slope	Irrigated 200 acres in 1937. 14 $\frac{1}{2}$ -inch casing, surface to 140 feet; 11-inch casing, 140 to 175 feet. 2-stage pump set at 120 feet; 30 feet of suction pipe. Struck water at
42	0	77.6	Apr. 23, 1936	T,G, 70	I	Flat	Estimated yield, 1,200 gallons a minute. Irrigated 255 acres in 1937; 425 acres in 1938. 90 feet of 26-inch perforated steel casing.
42a	--	--	--	--	I	--	
43	1	75.2	Jan. 10, 1939	None	N	Flat	Steel casing, top to bottom. Family uses well about 75 feet to northeast.
44	--	--	--	--	I	Gentle slope	Irrigated 232 acres in 1937. 170 feet of 16-inch perforated steel casing. Pump set at 110 feet; 50
45	--	--	--	--	I	do.	Irrigated 340 acres in 1937; 190 acres in 1938. 15-inch perforated steel casing.
46	4	76.1	Oct. 26, 1937	T,G, --	I	do.	Measured yield, 1,130 gallons a minute. Irrigated 80 acres in 1937; 108 acres in 1938. 170 feet of 14-inch casing perforated below 70 feet. Pump set at 110 feet; 16 feet of 8-5/8-inch suction pipe. Water from fine-grain-
47	2	68.1	Jan. 6, 1939	T,G, --	I	do.	Not completely developed when visited, Jan. 6, 1939.
48	1.5	65.4	May 5, 1936	T,G, 90	I	do.	Measured 33 feet drawdown after pumping 692 gallons a minute for 29 hours. Irrigated 430 acres in 1937; 185 acres in 1938. 16-inch steel casing. Pump set at 90 feet; 20 feet of suction pipe. Struck "Red
52	0.5	72.1	Dec. 1, 1937	None	N	Top of ridge	Reported "Beds" at 160 feet. yield, 500 gallons a minute. No casing. Reported abandoned because insufficient water for irrigation.
53	1.5	59.5	May 28, 1936	T,G, 90	I	Gentle slope	Measured 24 $\frac{1}{2}$ feet drawdown after pumping 935 gallons a minute for 58 hours. Irrigated 740 acres in 1937; 385 acres in 1938. 16-inch perforated steel casing, top to bottom.
54	--	80	d/	T,G, 50	I	do.	Estimated yield, 800 gallons a minute. Irrigated 230 acres in 1937. 14-inch steel casing, top to bottom. Pump set at 100 feet; 47 feet of suction pipe.
55	0.5	71.4	Dec. 16, 1933	C,W	S	Flat	

Records of wells in Castro County--Continued

No.	Distance from Dimmitt	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
56	11 $\frac{1}{2}$ miles north	16, NW $\frac{1}{2}$ NW $\frac{1}{2}$	B. S. & F. blk. M-7	Harry Vincent	-- McDade	1936	150	12
57	6 $\frac{1}{2}$ miles north	33, SW $\frac{1}{2}$ SE $\frac{1}{2}$	do.	E. S. Ireland	--	Old	100	4 $\frac{1}{2}$
58	2 $\frac{1}{2}$ miles northeast	2, SW $\frac{1}{2}$ NE $\frac{1}{2}$	J. T. Tucker, blk. L-2	--	--	--	173	4 $\frac{1}{2}$
59	11 $\frac{1}{2}$ miles north	29, NE $\frac{1}{2}$ NE $\frac{1}{2}$	B. S. & F., blk. M-7	Ben Finegold	W. D. Muncie	1937	140	15
60	11 miles north	16, SW $\frac{1}{2}$ SW $\frac{1}{2}$	do.	-- Stevens	--	1938	75	--
61	10 $\frac{1}{2}$ miles north	29, SW $\frac{1}{2}$ SW $\frac{1}{2}$	do.	Ozro Stephens	--	1937	140	--
62	do.	37, NE $\frac{1}{2}$ NE $\frac{1}{2}$	do.	Junbo Public School	--	Old	70	--
63	10 miles north	37, NE $\frac{1}{2}$ SE $\frac{1}{2}$	do.	Ben Finegold	--	--	45	8
71	8 $\frac{1}{2}$ miles northeast	10, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	--	--	1938	22	--
72	7 $\frac{1}{2}$ miles northeast	1, NW $\frac{1}{2}$ NE $\frac{1}{2}$	blk. M-10A	T. J. Maples	--	1938	85	--
77	7 $\frac{1}{2}$ miles north	12, SW $\frac{1}{2}$ NE $\frac{1}{2}$	B. S. & F., blk. M-7	--	--	--	74	--
78	7 miles north	12, SW $\frac{1}{2}$ SW $\frac{1}{2}$	do.	Wayne Carthel	Wayne Carthel	1937	132	14
79	6 $\frac{1}{2}$ miles north	34, SW $\frac{1}{2}$ SW $\frac{1}{2}$	do.	F. L. Pinkert	Bradford Supply Co.	1938	181	16
80	do.	55, SE $\frac{1}{2}$ SW $\frac{1}{2}$	do.	E. B. Wright	--	--	200	14
81	6 miles north	1, SW $\frac{1}{2}$ NW $\frac{1}{2}$	J. T. Tucker, blk. L-4	H. T. Maxwell	W. D. Muncie	1937	190	14
82	do.	4, SW $\frac{1}{2}$ NE $\frac{1}{2}$	do.	do.	--	1938	--	--
83	6 $\frac{1}{2}$ miles north	56, SW $\frac{1}{2}$ SW $\frac{1}{2}$	B. S. & F., blk. M-7	L. E. Stone	W. D. Muncie	1937	191	14
84	7 miles north	56, SW $\frac{1}{2}$ NW $\frac{1}{2}$	do.	R. S. Daniels	do.	1936	158	--
85	7 $\frac{1}{2}$ miles north	54, NW $\frac{1}{2}$ SW $\frac{1}{2}$	do.	Lee Renfro	Jim Mauk	1937	150	13

Bruce Wilson and Lloyd J. Ryman, Project Superintendents and by Joe W. Lang of the Texas State Board of Water Engineers.

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
56	6	74.8	Jan. 11, 1937	T,G, 90	I	Gentle slope	Estimated yield, 800 gallons a minute. Irrigated 210 acres in 1937; 185 acres in 1938. 12-inch
57	3.5	78.8	Nov. 16, 1933	None	N	Flat	Steel casing. steel casing.
58	1	154.1	Dec. 2, 1938	None	N	do.	Do.
59	1.5	83.9	Nov. 20, 1937	T,G, 90	I	Gentle slope	Irrigated 260 acres in 1937. 15-inch perforated steel casing.
60	--	61.3	Nov. 16, 1938	C,W	S	Flat	Reported strong supply.
61	1.5	63.9	Jan. 6, 1938	T,G, --	I	do.	Irrigated 65 acres in 1938.
62	--	55	d/	C,W	P	Gentle slope	
63	0.8	40.1	Feb. 22, 1939	C,W	--	do.	Located near sink.
71	--	19.2	Nov. 16, 1938	C,W	D,S	In sink	
72	--	69.4	Nov. 28, 1938	C,W	S	Flat	Located slightly east of well 52.
77	0.5	63.6	do.	None	N	do.	No casing.
78	1.5	72.7	Dec. 1, 1937	None	N	Gentle slope	Irrigated 105 acres in 1938. Water from fine-grained red sand.
79	2	85.8	Jan. 6, 1939	T,G, 85	I	Flat	Reported yield, 1,000 gallons a minute. Irrigated 225 acres in 1938. 16-inch steel casing, top to bottom; 70 feet perforated. 3-stage pump
80	0.2	89.8	Dec. 8, 1939	T,G, 85	I	do.	14-inch steel set at 120 feet. casing.
81	--	100	d/	T,G, 90	I	Gentle slope	Estimated yield, 750 gallons a minute. Irrigated 205 acres in 1937. 144 feet of 14-inch steel casing at top. Pump set at 130 feet; 35 feet of suction pipe.
82	--	--	--	--	I	Flat	
83	--	90	d/	T,G, 40	I	Gentle slope	Estimated yield, 600 to 700 gallons a minute. Irrigated 475 acres in 1937. 14-inch steel casing. Water from fine-grained red sand.
84	4.1	84.7	June 10, 1937	T,G, 40	I	do.	Estimated yield, 800 gallons a minute. Irrigated 410 acres in 1937.
85	1.5	66.5	Oct. 26, 1937	T,E, 40	I	do.	Measured yield, 1,050 See log. gallons a minute. Irrigated 100 acres in 1937; 124 acres in 1938. 13-inch steel casing, top to bottom; perforated below 70 feet. Pump set at 110 feet; 30 feet of suction pipe.

Records of wells in Castro County--Continued

No.	Distance from Dimmitt	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
86	7½ miles north	35, SW¼SE¼	B. S. & F. blk. M-7	E. S. Ireland	--	--	73	--
90	8½ miles north	57, NW¼NE¼	do.	--	--	1938	68	--
91	do.	58, SW¼SW¼	do.	P. H. Dyer	L. Ellis	1937	150	14
92	9 miles north	58, NE¼NE¼	do.	Ben Golding	Bishop & Whitman	1937	160	16
93	9½ miles north	59, SW¼SW¼	do.	Finis Hunter	--	1938	57	--
94	do.	59, NW¼SE¼	do.	F. E. Hunter	--	1937	--	--
95	10 miles north	52, NW¼NE¼	do.	W. A. Hunter	--	1938	60	--
96	10½ miles north	51, NW¼SW¼	do.	W. W. Adams	--	Old	63	--
97	do.	do.	do.	do.	--	Old	--	--
98	11 miles north	82, SW¼SW¼	do.	--	--	--	Lake	--
99	10½ miles north	81, NW¼NW¼	do.	W. A. Springer	--	--	72	--
100	do.	81, NW¼NE¼	do.	T. L. Sparkman	Jim Mauk	1933	107	16
101	9 miles north	75, SE¼NW¼	do.	F. J. Axe	A. B. Hayes	1937	150	14
102	10 miles north	81, NW¼SW¼	do.	W. A. Springer	J. D. Muncie	1937	152	14
103	10 miles northwest	97, SW¼NW¼	do.	Jim Golding	do.	1936	148	14

Bruce Wilson and Lloyd J. Ryman, Project Superintendents and by Joe W. Lang of the Texas State Board of Water Engineers.

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
86	0.2	66.4	Jan. 30, 1939	C,W	S	Gentle slope	Located 0.1 mile northwest of dry lake.
90	--	61.8	Nov. 16, 1938	None	N	do.	
91	5	69.6	Nov. 22, 1937	T,G, 85	I	Hilltop	Estimated yield, 800 gallons a minute. Irrigated 134 acres in 1937. 105 feet of 14-inch steel casing at bottom. Pump set at 90 feet; 46 feet of suction pipe. Water from
92	1	57.4	Mar. 21, 1939	T,E, 40	I	Gentle slope	Reported fine-grained red sand. yield, 1,130 gallons a minute. Irrigated 150 acres in 1937; 83 acres in 1938. 16-inch perforated steel casing, top to bottom. Pump set at 120 feet; 20 feet of suction pipe. Water from fine-grained red sand.
93	--	49.9	Nov. 16, 1938	C,W	D,S	Flat	
94	--	66.6	Nov. 22, 1937	T,G, --	I	Gentle slope	Estimated yield, 1,100 gallons a minute. Irrigated 180 acres in 1937;
95	--	52.4	Nov. 16, 1938	C,W	D,S	Flat	370 acres in 1938.
96	0.5	61.7	Oct. 26, 1937	None	N	Top of ridge	Located slightly southeast of well 40.
97	--	--	--	None	N	do.	Located slightly southwest of well 40.
98	--	--	--	--	S	Sink	Area of lake, about 1 acre. Catchment area, about $\frac{1}{2}$ square mile.
99	0.2	62.5	Jan. 3, 1939	C,W	D,S	Flat	No casing. Located about 200 feet northeast of well 32.
100	1	68.2	do.	T,E, 30	I	Gentle slope	Reported 22 feet drawdown after pumping 692 gallons a minute for 132 hours. Irrigated 41 acres in 1937; 210 acres in 1938. 16-inch steel casing. Pump set at 100 feet.
101	1.5	62.5	Nov. 22, 1937	T,G, 50	I	do.	Reported 25 feet drawdown after pumping about 850 gallons a minute for 700 hours. Irrigated 275 acres in 1937. 14-inch steel casing, top to bottom; partially perforated. Pump set at 90 feet; 50 feet of suc-
102	0.5	67.4	Nov. 13, 1937	T,G, 60	I	do.	Estimated yield, 800 gallons a minute. Irrigated 220 acres in 1937. 80 feet of 14-inch perforated steel casing at bottom. 3-stage pump set at 100 feet; 60 feet of suction pipe. Water from fine-grained red sand and honeycombed
103	1	69.4	May 23, 1936	T,G, 50	I	do.	Estimated yield, 750 gallons a minute. Irrigated 277 acres in 1937. 60 feet of 14-inch perforated steel casing. 3-stage pump set at 120 feet; 37 feet of suction pipe.

Records of wells in Castro County--Continued

No.	Distance from Dimmitt	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
104	9 $\frac{1}{2}$ miles north	80, SW $\frac{1}{2}$ -NW $\frac{1}{2}$	B. S. & F., blk. M-7	Frank Woodard	W. D. Muncie	--	140	--
104a	do.	80, NW $\frac{1}{2}$ -SW $\frac{1}{2}$	do.	do.	--	--	--	--
108	8 miles north	76, NW $\frac{1}{2}$ -SW $\frac{1}{2}$	do.	N. V. Witt	--	--	67	--
112	7 miles northwest	NE $\frac{1}{2}$ -NE $\frac{1}{2}$	Jose Maria Leal, blk. 5	--	--	--	89	4
113	do.	NW $\frac{1}{2}$ -NE $\frac{1}{2}$	do.	J. S. Smith	--	1926	100	4 $\frac{1}{2}$
114	6 $\frac{1}{2}$ miles northwest	SE $\frac{1}{2}$ -NE $\frac{1}{2}$	do.	J. T. Hill	L. Ellis	1937	180	14
115	do.	SE $\frac{1}{2}$ -NW $\frac{1}{2}$	do.	W. L. Brawly	-- Cook	1935	210	16
116	7 $\frac{1}{2}$ miles northwest	SW $\frac{1}{2}$ -NW $\frac{1}{2}$	do.	W. H. Brannon	-- Grimes	--	141	4
117	8 miles northwest	99, SW $\frac{1}{2}$ -SW $\frac{1}{2}$	B. S. & F. blk. M-7	H. B. Medley	L. Ellis	1937	166	16
118	8 $\frac{1}{2}$ miles northwest	100, SW $\frac{1}{2}$ -SW $\frac{1}{2}$	do.	H. H. Frye	--	--	--	--
119	9 $\frac{1}{2}$ miles northwest	98, NW $\frac{1}{2}$ -NW $\frac{1}{2}$	do.	Ed. Mayer	-- McGahee	1938	160	--
120	10 miles northwest	101, NW $\frac{1}{2}$ -NE $\frac{1}{2}$	do.	E. O. Dixon	do.	1938	--	--
121	do.	102, SE $\frac{1}{2}$ -SW $\frac{1}{2}$	do.	John H. Burnett	Green Machinery Co.	1938	176	--
122	do.	120, SE $\frac{1}{2}$ -SW $\frac{1}{2}$	do.	-- Herring Est.	L. Ellis	1937	165	16
123	do.	1, NE $\frac{1}{2}$ -NE $\frac{1}{2}$	S. S. Evants sur.	--	--	--	108	6
124	12 miles northwest	124, NW $\frac{1}{2}$ -NW $\frac{1}{2}$	B. S. & F., blk. M-7	W. T. Cox	--	--	78	--
128	13 miles northwest	140, NE $\frac{1}{2}$ -NW $\frac{1}{2}$	do.	W. H. Fuqua, Inc.	--	--	43	--
129	13 $\frac{1}{2}$ miles northwest	162, SW $\frac{1}{2}$ -SE $\frac{1}{2}$	do.	H. E. Minor	--	1938	--	--
130	do.	163, SW $\frac{1}{2}$ -NW $\frac{1}{2}$	do.	J. C. Curry	--	--	63	5
131	14 miles northwest	168, SW $\frac{1}{2}$ -SE $\frac{1}{2}$	do.	do.	--	1890	60	6
132	13 $\frac{1}{2}$ miles northwest	167, NE $\frac{1}{2}$ -NE $\frac{1}{2}$	do.	N. H. Flory	--	--	95	4 $\frac{1}{2}$

a/ Measuring point was usually top of casing, top of pipe clamp, top of pump base or bottom of discharge pipe.

b/ T, turbine; C, cylinder; Cf, centrifugal; W, windmill; E, electric; G, gasoline; O, diesel; Ng, natural gas; H, hand; number indicates horsepower.

Bruce Wilson and Lloyd J. Ryman, Project Superintendents and by Joe W. Lang of the Texas State Board of Water Engineers.

No.	Height of measuring point above ground (ft.) <u>a/</u>	Water level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
104	4	71.7	May 28, 1936	T,G, --	I	Gentle slope	Irrigated 413 acres in 1937. See log.
104a	--	--	--	--	I	--	Drilling when visited, April 3, 1939.
108	1	62.2	Jan. 10, 1939	None	N	Gentle slope	No casing.
112	--	--	--	None	N	Flat	Obstruction in well prevented measurement of water level.
113	1	90.9	Feb. 7, 1939	C,W	D,S	do.	Steel casing, top to bottom.
114	1.5	116.2	Nov. 22, 1937	T,G, 50	I	Top of ridge	Estimated yield, 750 gallons a minute. Irrigated 160 acres in 1937; 384 acres in 1938. 14-inch steel casing, top to bottom. Pump
115	--	144	<u>d/</u>	T,G, 50	I	Flat	Reported yield, <u>set at 140 feet.</u> 600 gallons a minute. 16-inch steel casing, top to bottom; 35 feet
116	0.2	131.6	Feb. 15, 1939	None	N	do.	Steel casing. <u>perforated.</u>
117	1.5	92.7	Nov. 22, 1937	T,G, 90	I	Gentle slope	Estimated yield, 800 gallons a minute. Irrigated 200 acres in 1937; 235 acres in 1938. 16-inch steel casing, top to bottom. Pump set at 120 feet; 28 feet of suction pipe. Water from fine-grained red sand and
118	--	--	--	T,G, --	I	Flat	<u>honeycombed rock.</u>
119	3	71.2	Jan. 9, 1938	T,G, --	I	do.	
120	--	--	--	T,G, 85	I	Gentle slope	
121	--	80	<u>d/</u>	T,G, 80	I	Flat	Estimated yield, 900 gallons a minute. Irrigated 183 acres in 1938.
122	1	86.9	Dec. 1, 1937	--	I	Top of ridge	16-inch steel casing, <u>Steel casing.</u> top to bottom; perforated below
123	0.2	103.2	Feb. 15, 1939	None	N	Flat	Wood casing at sur- <u>water level.</u> face.
124	0.5	66.8	Dec. 14, 1938	C,W	S	Near sink	Located near dry lake.
128	0.2	38.3	Feb. 21, 1939	C,W	S	Near draw	
129	2	84.0	do.	T,G, --	I	Gentle slope	
130	3	48.9	Dec. 8, 1938	C,W	S	In draw	Located in Frio Draw.
131	--	30	<u>d/</u>	C,W	D,S	Near draw	Located near Frio Draw.
132	1.5	85.5	Dec. 8, 1938	C,W	D,S	do.	Do.

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

d/ Water level reported.

e/ No water sample collected for analysis.

f/ For additional water levels, see U. S. G. S. Water-Supply Paper 840, water levels and artesian pressure in wells in the United States in 1937, pp. 387-88.

Records of wells in Castro County--Continued

No.	Distance from Dimmitt	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
133	15 miles northwest	3, NW $\frac{1}{4}$ NW $\frac{1}{4}$	W. A. Odell, blk. B	--	--	--	99	--
134	14 miles northwest	2, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	R. I. Rule	-- Jones	1939	216	--
135	13 $\frac{1}{2}$ miles northwest	1, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Lawrence Lillard	--	--	111	4 $\frac{1}{2}$
136	13 miles northwest	7, W $\frac{1}{2}$ W $\frac{1}{2}$	do.	A. G. Abbott	--	--	124	4
137	12 miles northwest	7, NW $\frac{1}{4}$ E $\frac{1}{2}$	do.	H. G. Behrends	--	--	130	5
138	12 $\frac{1}{2}$ miles west	10, NE $\frac{1}{4}$ SE $\frac{1}{4}$	J. T. Jowell sur.	J. J. Harper	--	--	174	5
139	10 $\frac{1}{2}$ miles northwest	NW $\frac{1}{4}$ NW $\frac{1}{4}$	A. Taylor, blk. 490	A. Taylor	--	--	172	4
140	9 miles west	7, NW $\frac{1}{4}$ W $\frac{1}{2}$	G. W. Nelson sur.	G. L. Givan	--	--	180	6
144	5 miles northwest	NW $\frac{1}{4}$ SW $\frac{1}{4}$	Mde. J. Pde. Villegas, blk. 6	Judge -- Buck Est.	--	--	192	5
145	5 miles west	NW $\frac{1}{4}$ NW $\frac{1}{4}$	R. Williams, blk. 7	--	--	1938	163	--
146	3 $\frac{3}{4}$ miles northwest	SE $\frac{1}{4}$ NE $\frac{1}{4}$	Mde. J. Pde. Villegas, blk. 6	Susie A. Dennis	--	1930	178	4 $\frac{1}{2}$
147	4 miles northwest	8, NW $\frac{1}{4}$ NW $\frac{1}{4}$	J. T. Tucker, blk. L-3	D. S. Bruton	Geo. Turentine	1922	172	5 $\frac{1}{2}$
148	2 $\frac{3}{4}$ miles north	2, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	J. G. Hastings	--	--	169	5
152	3 $\frac{3}{4}$ miles north	2, SE $\frac{1}{4}$ SE $\frac{1}{4}$	J. T. Tucker, blk. L-4	G. J. Dieter	--	--	151	4 $\frac{1}{2}$
153	4 $\frac{1}{2}$ miles north	7, NW $\frac{1}{4}$ SW $\frac{1}{4}$	J. T. Tucker, blk. L-1	F. J. Leiner	--	--	133	5
154	do.	2, SW $\frac{1}{4}$ SW $\frac{1}{4}$	J. T. Tucker, blk. L-4	G. J. Dieter	A. O. Campbell	1938	220	14
158	5 $\frac{1}{2}$ miles north	5, SW $\frac{1}{4}$ SW $\frac{1}{4}$	J. T. Tucker, blk. L-1	J. W. Godfrey	--	1918	115	--
159	do.	4, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	M. L. Hardy	Green Machinery Co.	1938	250	16
160	5 miles north	2, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Federal Farm & Mortgage Assn.	--	--	115	--
164	3 $\frac{3}{4}$ miles northeast	7, NW $\frac{1}{4}$ SW $\frac{1}{4}$	blk. H-10A	Mrs. J. C. Montgomery	--	--	137	4 $\frac{1}{2}$
168	3 $\frac{1}{2}$ miles east	29, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	G. C. Johnson	--	--	165	5
174	1 $\frac{1}{2}$ miles northeast	lot 14, NW $\frac{1}{2}$ SW $\frac{1}{2}$	blk. M	Mrs. G. B. Hackleman	--	--	165	4
175	1 mile east	lot 7, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	W. R. McElroy	--	--	180	5
176	3 $\frac{1}{4}$ mile southeast	lot 5, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	F. D. Eaken	--	--	174	4 $\frac{1}{2}$
177	do.	16, NE $\frac{1}{4}$ NE $\frac{1}{4}$	blk. M-10A	Roy Hackleman	--	--	177	5

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No.	Height of measuring point above ground (ft.) <u>a/</u>	Water level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
133	0.2	93.7	Dec. 19, 1938	None	N	Flat	Located near Parmer-Castro County line.
134	2	96.3	Feb. 21, 1939	T,G, 85	I	Gentle slope	
135	0.5	97.2	do.	C,W	D,S	Near lake	Steel casing.
136	1	112.0	Dec. 19, 1938	C,W	D,S	Flat	Do.
137	2	119.5	Feb. 19, 1939	C,W	D,S,P	do.	Water level measured while windmill pumping. Furnishes water for Rance
138	2	164.5	Dec. 19, 1938	C,W	D,S	do.	Steel casing. School.
139	0.5	149.3	do.	C,W	D,S	do.	Do.
140	--	164	<u>d/</u>	C,W	D,S	do.	8 feet of steel casing at top.
144	1	150	<u>d/</u>	C,W	D,S	Gentle slope	
145	1	149.2	Nov. 26, 1938	C,W	D,S	do.	Steel casing.
146	1	163.2	Feb. 7, 1939	C,W	D,S	Flat	Do.
147	1	152.1	do.	C,W	D,S	do.	Steel casing, top to bottom.
148	2	136.4	Dec. 2, 1938	C,W	S	Gentle slope	Steel casing.
152	1	135.0	Mar. 3, 1939	C,W	D,S	do.	Do.
153	1.5	110.4	Dec. 2, 1938	C,W	S	Near sink	Do.
154	--	140	<u>d/</u>	T,G, 85	N	Flat	197 feet of 14-inch steel casing at top.
158	0.5	99.2	Feb. 22, 1939	C,W	D,S	do.	20 feet of steel casing at bottom.
159	1.5	106.0	Jan. 6, 1939	T,G, 85	I	do.	Estimated yield, 800 gallons a minute. Irrigated 290 acres in 1938. Steel casing, top to bottom.
160	1	110.5	Jan. 30, 1939	C,W	D,S	do.	
164	0.5	116.1	do.	C,W	D,S	Gentle slope	Steel casing.
168	1	146.6	Dec. 15, 1938	C,W	D,S	do.	Galvanized casing. Located 0.2 mile southeast of lake.
174	1	143.5	Dec. 6, 1938	C,W	S	Flat	Galvanized casing.
175	2	156.6	Feb. 23, 1939	C,W	D,S	do.	Steel casing.
176	1	166.2	Mar. 2, 1939	C,W	D,S	Gentle slope	Do.
177	1.5	167.9	Mar. 1, 1939	C,W	D,S	do.	Steel casing. Located $\frac{1}{2}$ mile east of sink.

Records of wells in Castro County--Continued

No.	Distance from Dimmitt	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
182	1½ miles south	21, NE¼NW¼	blk. N-10A	W. A. Wright	--	--	200+	4½
183	1 mile southwest	17, NE¼SE¼	do.	Mrs. W. A. Murphy	Geo. Turentine	1925	178	6
184	½ mile west	26, SE¼SE¼	do.	--	--	1938	161	--
185	In Dimmitt	25, NW¼SE¼	do.	City of Dimmitt	D. L. McDonald	1929	206	16
186	do.	do.	do.	do.	A. B. Hayes	1937	243	14
187	½ mile north	lot 21, SW¼SE¼	blk. M	Burlington R.R.	--	--	--	--
188	¾ mile northwest	23, SE¼SE¼	do.	C. A. Youts	--	1938	176	--
192	1½ miles west	32, NE¼NE¼	do.	Mrs. J. R. Hastings	--	1938	174	--
196a	3½ miles southwest	31, NW¼NW¼	T. A. Thompson, blk. T-4	--	--	1938	200+	--
199	5½ miles west	2, NE¼SE¼	E.L. & R.R. R.R., blk. O-3	J. T. Smith	Roy McElroy	1928	174	5
201	6 miles east	339, NW¼NE¼	S. K. & K., blk. M-6	John C. Holman	--	--	183	4½
202	11 miles east	222, NW¼NE¼	do.	Frank Huseman	--	Old	126	4½
203	11½ miles east	217, SE¼SW¼	do.	B. Decker Est.	--	Old	122	5
204	6½ miles west	10, SE¼SE¼	E.L. & R.R. R.R., blk. O-3	--	--	--	198	4
205	7½ miles west	10, SW¼SW¼	do.	J. L. Smith	--	--	186	6
210	7 miles southwest	8, SE¼SE¼	do.	A. J. Peacock	--	--	154	6
211	9 miles southwest	19, SE¼NE¼	do.	Mrs. M. T. McReynolds	--	--	140	5
212	8½ miles west	17, NW¼NW¼	do.	Mrs. Lottie Lust	--	--	183	5
213	9½ miles west	28, SE¼SE¼	do.	E. R. Rothwell	Geo. Turentine	1917	240	4½
214	do.	29, SE¼NE¼	do.	J. H. Workman	--	--	160	4
215	10½ miles west	29, SE¼SW¼	do.	I. C. Benton	--	--	154	5

a/ Measuring point was usually top of casing, top of pipe clamp, top of pump base or bottom of discharge pipe.

b/ T, turbine; C, cylinder; Cf, centrifugal; W, windmill; E, electric; G, gasoline; O, diesel; Ng, natural gas; H, hand; number indicates horsepower.

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No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
182	2	164.0	Feb. 15, 1939	C,W	N	Flat	Steel casing.
183	2	171.2	Feb. 6, 1939	C,W	D,S	do.	Steel casing, top to bottom.
184	--	155.2	Nov. 25, 1938	None	N	Gentle slope	
185	--	160	d/	T,E, 25	P,Ind	Flat	Reported 15 feet drawdown after pumping 75 to 100 gallons a minute for many hours. Reported yields about 400,000 gallons a day in summer and about 100,000 gallons a day in winter. Pump set at 200 feet.
186	1	156.7	Dec. 13, 1937	None	N	do.	Crooked hole. Filled and abandoned in 1938.
187	0	153.9	Feb. 23, 1939	T,E, --	Ind	do.	Supplies railroad storage tank.
188	0	160.7	Nov. 26, 1938	None	N	do.	Located at southwest corner of garage.
192	1	160.9	do.	C,W	S	Near lake	Steel casing.
196a	--	146.3	Nov. 25, 1938	None	N	Gentle slope	Located near small lake.
199	--	160	d/	C,W	D,S	Flat	Steel casing, top to bottom.
201	0.6	153.2	Jan. 26, 1939	None	N	Gentle slope	Steel casing.
202	1.5	105.4	do.	None	N	Near sink	Located 0.4 mile south and 0.6 mile southeast of two sinks.
203	2	100.0	do.	None	N	Near lake	Located 500 feet south of small lake.
204	1	179.7	Jan. 24, 1939	C,W	N	Flat	Steel casing.
205	2	172.6	Dec. 9, 1938	None	N	do.	Do.
210	2	114.6	Dec. 10, 1938	C,W	D,S	Near lake	Galvanized casing.
211	1	117.1	Mar. 16, 1939	C,W	N	Gentle slope	Steel casing. Located near sink.
212	2	148.1	Dec. 10, 1938	C,W	P	Flat	Supplies water for Bethel School.
213	--	155	d/	C,W	D,S	do.	Steel casing, top to bottom. Struck water at 165 feet.
214	0.5	146.5	Jan. 21, 1939	None	N	do.	Steel casing.
215	2	130.6	Dec. 21, 1938	C,W	D,S	do.	Do.

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

d/ Water level reported.

e/ No water sample collected for analysis.

f/ For additional water levels, see U. S. G. S. Water-Supply Paper 840, water levels and artesian pressure in wells in the United States in 1937, pp. 387-88.

Records of wells in Castro County--Continued

No.	Distance from Dimmitt	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
216	10 miles west	27, SW $\frac{1}{4}$ SW $\frac{1}{4}$	E.L. & R.R. R.R., blk. 0-3	Geo. A. Bagwell	Geo. Turentine	--	274	6
251	13 miles northeast	326, NE $\frac{1}{4}$ NE $\frac{1}{4}$	S. K. & K., blk. M-6	F. J. Hiltbrunner	-- Lynch	1901	435	--
258	15 $\frac{1}{2}$ miles northeast	276, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Callie Robertson	--	--	380	--
259	14 $\frac{1}{2}$ miles northeast	247, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	E. L. Davis	--	--	198	5
260	12 $\frac{1}{2}$ miles northeast	288, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	E. W. Kinney	--	--	179	--
261	10 miles northeast	329, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Mrs. Clarence Byrnes	Leo McDade	1917	400	5-5/8
262	9 $\frac{1}{2}$ miles northeast	351, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Mrs. R. W. Gilliam	Jim Mauk	1934	75	--
263	8 $\frac{1}{2}$ miles northeast	332, N $\frac{1}{4}$ NE $\frac{1}{4}$	do.	J. L. Krumm	--	--	55	6
268	7 $\frac{1}{2}$ miles northeast	333, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	do.	--	--	145	--
269	7 miles northeast	334, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	E. H. Noble	--	--	102	--
270	6 $\frac{1}{2}$ miles northeast	334, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Mrs. L. A. Womack	--	--	108	--
271	6 miles northeast	355, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. P. Sharp	--	--	138	--
275	6 miles east	337, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	E. Ramey	--	--	167	6
276	5 $\frac{1}{2}$ miles east	337, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	do.	--	1904	149	--
277	4 $\frac{1}{2}$ miles east	343, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	P. J. Woolridge	--	--	170	5
279	6 miles east	338, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Acker Bros.	--	--	167	5
280	5 $\frac{1}{2}$ miles east	339, NW $\frac{1}{4}$ N $\frac{1}{4}$	do.	J. A. Acker	--	--	176	4 $\frac{1}{2}$
281	6 $\frac{1}{2}$ miles east	302, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Acker Bros.	--	--	172	4
282	do.	304, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Frank Annen	Conrad Schulte	1924	150	4 $\frac{1}{2}$
283	8 miles east	297, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Raymond Annen	Roy McElroy	1929	160	4 $\frac{1}{2}$
284	do.	295, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	H. T. Bartlett	--	--	123	4
285	10 miles east	255, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	A. M. Bachus	A. B. Hayes	1935	220	16

a/ Measuring point was usually top of casing, top of pipe clamp, top of pump base or bottom of discharge pipe.

b/ T, turbine; C, cylinder; Cf, centrifugal; W, windmill; E, electric; G, gasoline; O, diesel; Ng, natural gas; H, hand; number indicates horsepower.

Bruce Wilson and Lloyd J. Ryman, Project Superintendents and by Joe W. Lang of the Texas State Board of Water Engineers.

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
216	--	163	d/	C,W	D,S	Flat	Steel casing.
251	--	235	d/	C,W	D,S	Gentle slope	
258	--	300	d/	C,W	D,S	Flat	Reported strong supply.
259	1	185.8	Jan. 19, 1939	C,W	D,S	do.	Steel casing, top to bottom. Reported furnishes water for about 200
260	--	164.4	Nov. 28, 1938	C,W	D,S	do.	Reported cattle, sheep and hogs. well sometimes produces sand.
261	--	230	d/	C,W	D,S	Gentle slope	Steel casing, top to bottom. Reported struck weak supply at 80 feet.
262	0.5	59.2	Jan. 30, 1939	C,W	D,S	do.	No casing. Located 1/2 mile north of lake.
263	1	43.1	Nov. 28, 1938	C,W	S	Near draw	Galvanized casing.
268	--	125	d/	C,W	D,S	Gentle slope	Located about 1/4 mile northeast of sink.
269	--	--	--	None	N	--	Dry hole.
270	1	101.1	Mar. 13, 1939	C,W	N	Gentle slope	
271	--	123.3	Nov. 17, 1938	C,W	S	Flat	
275	--	148.9	do.	C,W	S	do.	Steel casing.
276	--	--	--	C,W	D,S	do.	Do.
277	2	150.7	Jan. 19, 1939	C,W	D,S	Gentle slope	Steel casing, top to bottom. Reported strong supply.
279	2	149.2	Jan. 20, 1939	C,W	S	Flat	Steel casing. Water level measurement questionable.
280	2	157.6	Feb. 10, 1939	C,W	S	do.	Steel casing. Water level measured while windmill pumping slowly.
281	2	153.1	Dec. 6, 1938	C,W	D,S	do.	Steel casing.
282	1.4	139.2	Mar. 6, 1939	C,W	D,S	Gentle slope	Steel casing. Water level measured while windmill pumping slowly.
283	--	134	d/	C,W	D,S	Flat	Steel casing, top to bottom. Water from white sand.
284	1	109.2	Jan. 9, 1939	C,W	D,S	do.	Steel casing.
285	1	126	Jan. 6, 1939	T,G, 60	I	Ridge	Estimated yield, 350 to 400 gallons a minute. Irrigated 42 acres in 1937; 12 acres in 1938. 16-inch perforated steel casing, top to bottom. Water from sand, 135 to 153 feet. Struck "Red Beds" at 220 feet.

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

d/ Water level reported.

e/ No water sample collected for analysis.

f/ For additional water levels, see U. S. G. S. Water-Supply Paper 840, water levels and artesian pressure in wells in the United States in 1937, pp. 387-88.

Records of wells in Castro County--Continued

No.	Distance from Dimmitt	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
286	10 miles east	256, SE ¹ / ₄ CE ¹ / ₄	S. K. & K., blk. II-6	Frank Huseman	--	--	125	5
287	9½ miles east	265, SE ¹ / ₄ SE ¹ / ₄	do.	Horman Lange	Conrad Schulte	1911	124	4
288	9 miles east	264, SE ¹ / ₄ SE ¹ / ₄	do.	Conrad Schulte	--	--	128	--
289	10 miles east	257, SE ¹ / ₄ SE ¹ / ₄	do.	Arthur Kleiman	--	Old	110	--
290	9½ miles east	258, NE ¹ / ₄ SW ¹ / ₄	do.	A. P. Miller	Conrad Schulte	1916	100	--
291	9 miles east	261, NE ¹ / ₄ NE ¹ / ₄	do.	Casper Schmucker	--	1932	156	5
292	10 miles east	260, NE ¹ / ₄ NE ¹ / ₄	do.	Anton Schmucker	--	--	158	--
293	11½ miles east	221, SE ¹ / ₄ NE ¹ / ₄	do.	F. V. Brockman	August Schulte	1908	163	5
294	11 miles east	223, SW ¹ / ₄ SE ¹ / ₄	do.	Mrs. J. F. Wilhelm	--	--	105	5
303	do.	223, SE ¹ / ₄ NE ¹ / ₄	do.	do.	Conrad Schulte	1910	137	5
304	do.	225, SW ¹ / ₄ SE ¹ / ₄	do.	Dale D. Schilling	--	--	117	5
305	12½ miles east	185, SW ¹ / ₄ SW ¹ / ₄	do.	Henry Stork Est.	--	--	124	4
306	do.	186, SW ¹ / ₄ SW ¹ / ₄	do.	Leo Huseman	M. C. McElroy	1938	127	4½
307	13 miles east	186, SE ¹ / ₄ NW ¹ / ₄	do.	do.	--	--	58	4
308	12½ miles east	215, NW ¹ / ₄ NE ¹ / ₄	do.	J. C. Albracht	--	--	63	8
309	12 miles east	214, SW ¹ / ₄ NW ¹ / ₄	do.	Jacob Barer	--	--	124	4½
310	11½ miles east	227, SW ¹ / ₄ NE ¹ / ₄	do.	F. W. Wilkinson	--	--	62	8
314	11 miles east	253, NE ¹ / ₄ SE ¹ / ₄	do.	Texas Land & Mortgage Co.	--	--	122	--
315	12½ miles northeast	212, SW ¹ / ₄ SW ¹ / ₄	do.	--	--	--	170	--
320	12 miles northeast	251, NW ¹ / ₄ NW ¹ / ₄	do.	-- Deeders	--	--	188	5
321	14½ miles northeast	208, SE ¹ / ₄ SW ¹ / ₄	do.	Arney Public School	--	--	171+	--
322	15 miles northeast	207, SE ¹ / ₄ SW ¹ / ₄	do.	Frank Davis	--	--	175	5
323	18 miles northeast	166, SW ¹ / ₄ SE ¹ / ₄	do.	--	--	--	186	4
324	18½ miles northeast	165, SE ¹ / ₄ SE ¹ / ₄	do.	C. B. Johnson	Bill Glover	--	180	--
325	16½ miles northeast	151, SE ¹ / ₄ SW ¹ / ₄	do.	Mrs. L. C. Curlin	--	--	135	--

Bruce Wilson and Lloyd J. Ryman, Project Superintendents and by Joe W. Lang of the Texas State Board of Water Engineers.

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
236	2	110	Nov. 29, 1938	C,W	D,S	Near lake	Steel casing.
287	2	109.5	Feb. 10, 1939	C,W	D,S	Flat	Steel casing, top to bottom.
288	2	120.1	do.	C,W	N	do.	No casing.
239	0.4	102	Mar. 9, 1939	C,W	D,S	Gentle slope	
290	1	91.5	Feb. 10, 1939	C,W	D,S	In draw	No casing. Located about 0.5 mile west of sink.
291	1	139.7	Mar. 6, 1939	C,W	D,S	Flat	Steel casing. Reported strong supply.
292	0.8	147.6	do.	C,W	D,S	do.	
293	1	149.3	Dec. 15, 1938	C,W	D,S	do.	Galvanized casing.
294	0.8	89.1	do.	C,W	S	Slope	Steel casing.
303	1	118.7	Jan. 20, 1939	C,W	D,S	do.	Steel casing, top to bottom. Reported well pumps sand at times.
304	2.5	105.9	Mar. 18, 1939	C,W	D,S	do.	Steel casing.
305	1	107.6	Feb. 10, 1939	C,W	N	do.	Do.
306	--	105	d/	C,W	D,S	Gentle slope	Steel casing, top to bottom.
307	1.5	41.2	Nov. 29, 1938	C,W	S	Near draw	Steel casing. Located in pasture.
308	2	43.3	Feb. 10, 1939	C,W	S	In draw	Water level measured while windmill pumping slowly.
309	1	103.5	Feb. 8, 1939	C,W	D,S	Slope	Steel casing. Located 0.1 mile northeast of draw.
310	1	44.5	Feb. 10, 1939	C,W	N	In draw	Steel casing.
314	2.5	144.4	Mar. 17, 1939	C,W	N	Gentle slope	
315	0.2	154	Nov. 23, 1938	None	N	Flat	
320	2	177.6	Dec. 16, 1938	C,W	D,S	do.	Steel casing.
321	0.5	169.3	Feb. 8, 1939	C,W	D,P	do.	Obstruction in well at 171 feet.
322	3	173.2	Jan. 19, 1939	C,W	D,S	do.	Steel casing. Reported strong supply.
323	2	163.6	Dec. 16, 1938	C,W	N	Slope	Steel casing.
324	--	174	d/	C,W	D,S	Flat	No casing.
325	0.5	117.2	Dec. 16, 1938	C,W	N	do.	

Records of wells in Castro County--Continued

No.	Distance from Dimmitt	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
326	16 miles northeast	170, SE $\frac{1}{4}$ SE $\frac{1}{4}$	S. R. & K., blk. M-6	Blue Ridge School	--	--	135	4
327	16 miles east	133, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Dallas Joint Stock Land Bank	--	--	127	--
328	14 miles east	175, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	I. S. Scott	--	--	116	--
329	13 $\frac{1}{2}$ miles east	176, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	A. J. Wilhelm	--	--	142	4 $\frac{1}{2}$
330	14 $\frac{1}{2}$ miles east	144, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	George Schacher	-- McDade	1936	225	10
331	16 miles east	137, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	D. Hefflefinger	--	1938	118	--
332	do.	103, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Mrs. B. T. Richardson	--	--	119	5
333	14 $\frac{1}{2}$ miles east	143, NE $\frac{1}{4}$ N $\frac{1}{2}$	do.	Bill Stork	--	--	130	--
334	do.	143, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	W. Litsch	--	--	116	4 $\frac{1}{2}$
335	14 miles east	179, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Mrs. W. Litsch	--	1908	118	5
336	12 $\frac{1}{2}$ miles east	183, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Henry Schmucker	Conrad Schulte	1910	145	6
337	do.	182, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	A. Schmucker	--	--	134	4
338	13 miles east	181, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	J. Husoman	Tom Ray	--	134	4
339	14 miles east	180, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	A. L. Hawkins	-- Sprawls	1936	210	--
340	16 $\frac{1}{2}$ miles east	140, SW $\frac{1}{4}$ E-1/3	do.	Mrs. Susan McCormick	--	--	117	--
350	4 $\frac{1}{2}$ miles southeast	27, SE $\frac{1}{4}$ SW $\frac{1}{4}$	S. K. & K. blk. M 10-A	Solon Clements	Gulf Prod. Co.	1927	4,600	20
351	7 miles southwest	62, SE $\frac{1}{4}$ NE $\frac{1}{4}$	T. & N.O. R.R., blk. 10-T	R. A. Bradshaw	--	--	149	4
352	7 $\frac{1}{2}$ miles southeast	51, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	-- Tomlinson	--	--	163	--
353	8 $\frac{1}{2}$ miles east	50, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Book Jerrell	--	--	138	5
354	9 miles southeast	40, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	-- Tomlinson	Kimball & Finley	1937	150	6
355	11 $\frac{1}{2}$ miles east	28, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Ed. Brockman	Conrad Schulte	--	155	5
356	13 $\frac{1}{2}$ miles east	13, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	-- Miller Est.	do.	1908	152	--
357	14 $\frac{1}{2}$ miles east	13, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Sylvester Birkenfeld	do.	1926	145	--

a/ Measuring point was usually top of casing, top of pipe clamp, top of pump base or bottom of discharge pipe.

b/ T, turbine; C, cylinder; Cf, centrifugal; W, windmill; E, electric; G, gasoline; O, diesel; Ng, natural gas; H, hand; number indicates horsepower.

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No.	Height of measuring point above ground (ft.) <u>a/</u>	Water level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
326	1	122.3	Feb. 8, 1939	C,W	P	Flat	Steel casing.
327	0.5	111.3	Dec. 16, 1938	C,W	N	do.	
328	--	103.1	Mar. 9, 1939	C,W	D,S	Slope	Located $\frac{1}{2}$ mile south of draw.
329	2	130.5	Feb. 10, 1939	C,W	D,S	Flat	Steel casing.
330	--	125	<u>d/</u>	T,G, 85	I	do.	Estimated yield, 350 to 400 gallons a minute. Irrigated 50 acres in
331	0.3	109.4	Mar. 9, 1939	C,W	D,S	do.	No casing. 1938. Steel casing.
332	1	105.1	Jan. 20, 1939	C,W	S	do.	Galvanized casing.
333	0.5	126.7	Mar. 9, 1939	C,W	N	Gentle slope	
334	0.4	109	do.	C,W	N	do.	Located 0.4 mile northeast of sink.
335	1.5	104.6	Jan. 20, 1939	C,W	D,S	Flat	Steel casing.
336	0.2	133	<u>d/</u>	C,W	D,S	do.	Steel casing, top to bottom.
337	0.8	124	Dec. 13, 1938	C,W	D,S	Gentle slope	Located in sink.
338	1	126.5	Jan. 20, 1939	C,W	D,S	Flat	Steel casing, top to bottom.
339	1	91.3	Jan. 6, 1939	T,G, 50	I	Slope	Estimated yield, 900 gallons a minute. Irrigated 152 acres in 1938.
340	1	102.9	Jan. 20, 1939	C,W	N	Flat	No casing.
350	--	--	--	N	N	--	Oil test. See log.
351	1	133.4	Jan. 16, 1939	C,W	D,S	do.	Steel casing. Reported strong supply.
352	0.4	141.4	Mar. 2, 1939	C,W	D,S	do.	
353	1	122.7	Jan. 20, 1939	C,W	N	Slope	Steel casing.
354	1	140.1	Mar. 2, 1939	C,W	D,S	do.	Steel casing, top to bottom.
355	0.5	138.6	Dec. 15, 1938	C,W	D,S	Flat	Steel casing.
356	--	121	<u>d/</u>	C,W	D,S	Gentle slope	Reported well sometimes produces sand.
357	--	131	<u>d/</u>	C,W	D,S	Flat	No casing.

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

d/ Water level reported.

e/ No water sample collected for analysis.

f/ For additional water levels, see U. S. G. S. Water-Supply Paper 840, water levels and artesian pressure in wells in the United States in 1937, pp. 387-88.

Records of wells in Castro County--Continued

No.	Distance from Dimmitt	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
358	16 $\frac{1}{2}$ miles east	1, SW $\frac{1}{4}$ SW $\frac{1}{4}$	T. & N.O. R.R., blk. 9-T	Betty Crow	--	--	119	4
359	17 miles southeast	11, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	G. C. Herrmann	--	1938	316	16
360	do.	6, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Loftus & Wilkerson	--	--	128	5
361	17 $\frac{1}{2}$ miles southeast	14, NE $\frac{1}{4}$ N $\frac{1}{4}$	do.	Rondeaux Dinwiddie	--	--	111	--
362	19 miles southeast	13, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	--	--	--	112	6
363	17 $\frac{1}{2}$ miles southeast	6, NE $\frac{1}{4}$ SW $\frac{1}{4}$	E.L. & R.R. R.R., blk. S-2	E. L. Jobe	--	1896	130	5
364	15 miles southeast	1, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	F. R. Priddy	--	--	125	5
365	13 miles southeast	31, NE $\frac{1}{4}$ SE $\frac{1}{4}$	T. & N.O. R.R., blk. 10-T	L. A. Steiert	-- Stark	1929	150	5
369	14 $\frac{1}{2}$ miles southeast	18, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	--	--	--	131	5
370	12 $\frac{1}{2}$ miles southeast	23, NW $\frac{1}{4}$ N $\frac{1}{4}$	do.	--	--	--	153	4
371	12 miles southeast	33, NW $\frac{1}{4}$ N $\frac{1}{4}$	do.	W. D. Duree	--	--	--	--
372	7 $\frac{1}{2}$ miles southeast	60, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Bill Graham	--	--	120	6
373	8 $\frac{1}{2}$ miles southeast	54, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Waddic Hamm	--	--	136	4
374	9 miles southeast	55, NW $\frac{1}{4}$ N $\frac{1}{4}$	do.	J. C. Powell	--	--	142	4
375	9 $\frac{1}{2}$ miles southeast	55, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	--	--	123	5
376	9 miles southeast	58, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Lint Merritt	--	--	108	5
377	9 $\frac{1}{2}$ miles southeast	57, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Mrs. Mollie Abernathy	--	1938	--	--
378	9 miles southeast	68, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Perry Graham	--	--	122	5
379	9 $\frac{1}{2}$ miles southeast	7, SW $\frac{1}{4}$ NW $\frac{1}{4}$	E.L. & R.R. R.R., blk. 0-7	Mrs. Mollie Abernathy	--	1937	--	--
380	12 miles southeast	10, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Mrs. Mary Caldwell	--	--	81	--
381	do.	21, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Mrs. Paul Ramey	--	--	91	6
382	12 miles south	22, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	W. F. Griffin	--	--	80	--
383	14 miles south	8, NW $\frac{1}{4}$ NW $\frac{1}{4}$	E.L. & R.R. R.R., blk. S-3	G. T. Abbott	--	--	37	6
384	15 miles south	21, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	A. Ebeling	--	--	40	--
385	15 miles southeast	20, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	G. W. Brown	J. Calvin Cook	--	96	--

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No.	Height of measuring point above ground (ft.) <u>a/</u>	Water level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
358	1.5	107.7	Dec. 15, 1938	C,W	D,S	Flat	Steel casing.
359	--	100	<u>d/</u>	T,G, 85	I	Gentle slope	Irrigated 170 acres in 1938. Well sands up after pumping 3 to 4 hours.
360	2	106.6	Dec. 12, 1938	C,W	D,S	Flat	
361	3	103.8	Mar. 6, 1939	C,W	D,S	Gentle slope	Water level measured while windmill pumping slowly.
362	2	88.4	Dec. 12, 1938	C,W	N	Slope	Steel casing.
363	1	98	Feb. 14, 1939	C,W	D,S	Flat	Steel casing. 10 feet of crushed rock in bottom of well.
364	1	96.4	Jan. 27, 1939	C,W	N	Gentle slope	Steel casing.
365	--	130	<u>d/</u>	C,W	D,S	Slope	Steel casing. Reported strong supply. North well. Located $\frac{1}{4}$ mile
369	2	122.2	Dec. 12, 1939	None	N	Flat	Steel casing. <u>northeast of lake.</u>
370	1	140.6	Dec. 15, 1938	C,W	D,S	do.	Steel casing. Located north of dry sink.
371	1	111.5	Jan. 11, 1939	T,D, 50	I	do.	
372	3	100.8	Jan. 17, 1939	C,W	D,S	Near sink	Steel casing.
373	1	116.1	Dec. 6, 1938	None	N	Flat	Reported weak supply.
374	1	106.7	Jan. 17, 1939	C,W	D,S	do.	Steel casing.
375	0.8	106.5	Feb. 14, 1939	C,W	D,S	do.	Water level measured while windmill pumping slowly.
376	1.5	96.4	Feb. 17, 1939	C,W	S	do.	Galvanized casing.
377	--	--	--	T,G, --	I	do.	
378	3	83.1	Feb. 24, 1939	C,W, G, 1 $\frac{1}{2}$	D,S	Gentle slope	Reported supplies water for 350 to 400 head of stock.
379	--	--	--	T, -, --	I	Top of ridge	
380	0.5	77	Feb. 24, 1939	C,W	D,S	Near sink	Water level measured while windmill pumping.
381	1	77.7	Dec. 12, 1938	None	N	Slope	Steel casing.
382	0.5	78.7	Feb. 24, 1939	C,W	D,S	Gentle slope	Water level measured while windmill pumping.
383	1	22.9	Feb. 14, 1939	C,W	D,S	Near draw	Steel casing. Located 400 feet north of draw.
384	0.5	22.9	Dec. 12, 1938	C,W	D,S	Near creek	Concrete curb.
385	--	86	<u>d/</u>	C,W	D,S	Flat	

Records of wells in Castro County--Continued

No.	Distance from Dimmitt	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
386	15 miles southeast	19, NW $\frac{1}{2}$ NW $\frac{1}{2}$	E.L. & R.R. R.R., blk. S-3	W. F. Cox	--	--	--	--
387	15 $\frac{1}{2}$ miles southeast	10, NE $\frac{1}{2}$ SE $\frac{1}{2}$	do.	R. M. Duff	--	--	97	4 $\frac{1}{2}$
388	do.	11, NW $\frac{1}{2}$ SW $\frac{1}{2}$	do.	C. R. Viegel	--	--	--	--
389	14 $\frac{1}{2}$ miles southeast	5, SW $\frac{1}{2}$ SE $\frac{1}{2}$	do.	--	--	--	85	--
390	14 miles southeast	26, NW $\frac{1}{2}$ NW $\frac{1}{2}$	E.L. & R.R. R.R., blk. 0-7	S. C. Hutcherson	-- Patton	1938	240	16
391	13 $\frac{1}{2}$ miles southeast	13, NW $\frac{1}{2}$ SW $\frac{1}{2}$	do.	T. B. Yarborough	--	--	112	5 $\frac{1}{2}$
392	15 miles southeast	15, SE $\frac{1}{2}$ NW $\frac{1}{2}$	do.	Ft. Worth & Denver R.R.	--	1928	--	--
393	16 miles southeast	28, NE $\frac{1}{2}$ NE $\frac{1}{2}$	do.	D. E. Hefflefinger	--	--	124	4 $\frac{1}{2}$
394	15 $\frac{1}{2}$ miles southeast	14, SW $\frac{1}{2}$ NW $\frac{1}{2}$	E.L. & R.R. R.R., blk. S-2	Temple Rogers	Bradford Supply Co.	1939	305	12
395	16 $\frac{1}{2}$ miles southeast	15, NE $\frac{1}{2}$ NE $\frac{1}{2}$	do.	B. F. Jarvis	--	--	96	--
396	17 miles southeast	16, NW $\frac{1}{2}$ NE $\frac{1}{2}$	do.	J. R. Riley	--	--	88	--
401	19 $\frac{1}{2}$ miles southeast	24, NW $\frac{1}{2}$ SE $\frac{1}{2}$	do.	Hall Halbert	Bradford Supply Co.	1937	256	15 $\frac{1}{2}$
402	19 miles southeast	30, NE $\frac{1}{2}$ NW $\frac{1}{2}$	do.	Homer Hill	--	--	--	--
403	18 $\frac{1}{2}$ miles southeast	29, NW $\frac{1}{2}$ NE $\frac{1}{2}$	do.	T. R. Davis	--	1938	216	14
404	17 miles southeast	14, NW $\frac{1}{2}$ SW $\frac{1}{2}$	E.L. & R.R. R.R., blk. S-3	--	--	--	--	--
405	do.	do.	do.	Fred Hamm	--	--	80	5
406	18 miles southeast	15, NE $\frac{1}{2}$ NE $\frac{1}{2}$	do.	Earl G. Lane	--	--	81	--
407	19 miles southeast	2, NE $\frac{1}{2}$ NE $\frac{1}{2}$	G. & M., blk. S-5	G. A. Cutherbertson	--	--	82	--
408	21 $\frac{1}{2}$ miles southeast	5, N $\frac{1}{2}$ NW $\frac{1}{2}$	blk. K-3	Charles R. Viegel	-- McDaniels	1938	200	14
409	22 miles southeast	6, NW $\frac{1}{2}$ NW $\frac{1}{2}$	do.	E. F. Witten	Green Machinery Co.	1937	200	16
410	do.	8, SE $\frac{1}{2}$ NE $\frac{1}{2}$	do.	Mrs. Attie M. Pope	--	--	77	--

Bruce Wilson and Lloyd J. Ryman, Project Superintendents and by Joe W. Lang of the Texas State Board of Water Engineers.

No.	Height of Water level		Date of measurement	Pump and power	Use of water	Topographic situation	Remarks
	measuring point above ground (ft.) a/	Depth below measuring point (ft.)					
386	--	--	--	--	I	--	
387	2	91.3	Feb. 12, 1939	C,W	D,S	Flat	Steel casing. Located 400 feet west of irrigation well.
388	--	--	--	--	I	do.	
389	0.3	77.9	Feb. 14, 1939	C,W	D,S	Near sink	
390	--	--	--	T,G, 50	I	Flat	Estimated yield, 1,300 gallons a minute. Irrigated 567 acres in 1938. Steel casing. 3-stage pump set at 150 feet. Reported pumping,
391	1	92	Feb. 13, 1939	C,W	N	Slope	Galvanized water level 117 feet. casing.
392	0.5	84.5	Mar. 17, 1939	T,O, 10	Ind	Gentle slope	
393	0.4	89.3	do.	C,W	N	Flat	Steel casing. Located near vacant school in Hart.
394	1	92	Feb. 14, 1939	None	N	Gentle slope	Not completely developed when visited, February 14, 1939.
395	3	92.3	do.	C,W	D,S	Flat	No casing.
396	0	81.8	Mar. 6, 1939	None	N	Gentle slope	Located 0.4 mile southwest of sink.
401	--	--	--	T,G, 85	I	Top of ridge	Steel casing. Pump set at 110 feet.
402	--	--	--	T,G, 50	I	Flat	
403	3	75.6	Jan. 4, 1939	T,G, 43	I	do.	Irrigated 201 acres in 1933. 14-inch and 12-inch steel casing, top
404	1.5	79.2	do.	T,G, 85	I	do.	to bottom.
405	0.3	64.9	Dec. 12, 1938	C,W	D,S	Slope	Steel casing. Located near sink.
406	0.5	72.7	do.	C,W	D,S	Flat	
407	0.8	75.2	Feb. 14, 1939	C,H	D	Slope	
408	--	70	d/	T,G, 85	I	Flat	Measured yield, 1,100 gallons a minute. 150 feet of steel casing at top. 3-stage pump set at 110 feet; 50 feet of suction pipe.
409	--	65	d/	T,O, 67	I	do.	Reported 37 to 40 feet of drawdown after pumping 1,230 gallons a minute for 70 hours. Irrigated 350 acres of wheat in 1938. 16-inch and 14-inch perforated steel casing, top to bottom. Pump set at 120 feet; 30 feet of suction pipe.
410	0.5	58.1	June 6, 1938	C,W	N	Slope	

Records of wells in Castro County--Continued

No	Distance from Dimmitt	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
451	11½ miles southwest	27, NE¼NW¼	Kelly subdv., blk. H	Will Graef	--	--	123	--
452	do.	27, NE¼NE½	do.	do.	--	--	124	4
453	10½ miles southwest	46, NE¼NW¼	R. M. Thompson, blk. T	Kay Roberts	--	--	123	6
454	9½ miles southwest	13, NW¼NW¼	D. & S.E. R.R., blk. 0-4	F. W. Frost	--	--	143	5
455	13 miles southwest	43, NW¼NW¼	Kelly subdv., blk. H	Wirt Phillips	--	--	240	4½
459	11½ miles southwest	34, NE¼SE¼	R. M. Thompson, blk. T	C. C. English	--	--	120	5
460	11 miles southwest	35, SE¼SE¼	do.	W. C. Coswell	--	--	121	5
461	10½ miles southwest	8, NE¼SE¼	D. & S.E. R.R., blk. 0-4	D. L. Dawkins	--	--	78	--
462	10 miles southwest	16, NW¼SW¼	T. A. Thompson, blk. T-4	Claude Gage	--	--	84	5
463	9½ miles southwest	4, SE¼SE¼	D. & S.E. R.R., blk. 0-4	V. C. Warren	--	--	86	5
464	9 miles southwest	29, NE¼NE¼	T. A. Thompson, blk. T-4	--	--	--	103	--
465	8½ miles south	38, SE¼SW¼	do.	J. K. Tidmore	R. D. Baker Co.	1937	197	--
466	8½ miles southwest	28, NE¼SE¼	do.	Mrs. C. Birdwell	--	--	106	--
467	8 miles southwest	27, SE¼SW¼	do.	Mrs. E. Herring	-- Frazer	1938	116	5
474	do.	39, SW¼SW¼	do.	J. C. Smyers	Geo. Redwine	1929	103	4
475	7½ miles south	39, SE¼SE¼	do.	J. S. Lightfoot	--	--	95	5
476	6½ miles southwest	26, NW¼NW¼	do.	Mrs. E. Herring	--	--	115	6
477	do.	25, SE¼SW¼	do.	do.	--	--	105	4½
478	6 miles southwest	25, SE¼NE¼	do.	do.	--	--	139	6
479	do.	41, SW¼SE¼	do.	C. T. Herring Est.	--	--	140	5
480	5 miles southwest	46, NW¼SW¼	do.	H. M. Horton	McIntyre Co.	1917	125	5
481	6½ miles southwest	21, NW¼SW¼	do.	C. T. Herring Est.	--	--	113	4

a/ Measuring point was usually top of casing, top of pipe clamp, top of pump base or bottom of discharge pipe.

b/ T, turbine; C, cylinder; Cf, centrifugal; W, windmill; E, electric; G, gasoline; O, diesel; Ng, natural gas; H, hand; number indicates horsepower.

Bruce Wilson and Lloyd J. Ryman, Project Superintendents and by Joe W. Lang of the Texas State Board of Water Engineers.

No.	Height of measuring point above ground (ft.) a/	Water level Depth below measuring point (ft.)	Date of measurement	Pump and power b/	Use of water c/	Topographic situation	Remarks
451	1	115.1	Jan. 21, 1939	C,W	D,S	Slope	
452	1	109.8	do.	C,W	D,S	do.	Steel casing.
453	1	100	Dec. 21, 1938	C,W	S	do.	Steel casing. Located slightly east of sink.
454	2	118.6	Mar. 16, 1939	C,W	D,S	Gentle slope	Steel casing.
455	--	140	d/	C,W	D,S	do.	140 feet of steel casing at top. Reported strong supply. Located about 1,000 feet northwest of sink.
459	2	99.9	Dec. 21, 1938	C,W	D,S	do.	Steel casing.
460	2	101	Nov. 30, 1938	C,W	D,S	Flat	Do.
461	1	77.6	Mar. 15, 1939	C,W	D,S	Gentle slope	No casing. Reported weak supply.
462	2.5	80.2	Nov. 30, 1938	C,W	N	Edge of sink	Steel casing.
463	1	82.5	Jan. 24, 1939	C,W	N	Gentle slope	Galvanized casing.
464	0.5	93.6	Jan. 25, 1939	C,H	D,S	Flat	
465	3	101.8	Jan. 11, 1939	T,G, 85	I	do.	Reported yield, 1,250 gallons a minute. Irrigated 280 acres in 1938. Pump set at 150 feet. Struck
466	0.5	94.5	June 9, 1938	None	N	do.	water at 117 feet.
467	1	90.4	Mar. 15, 1939	C,W	D,S	do.	Steel casing. Located 1/2 mile west of sink.
474	3	75.3	Feb. 6, 1939	C,W	D,S	Gentle slope	Steel casing, top to bottom.
475	0.8	87.1	Dec. 9, 1938	None	N	Flat	Steel casing.
476	2	101.4	Feb. 1, 1939	C,W	N	do.	Do.
477	0.8	96.3	Mar. 7, 1939	None	N	Gentle slope	Do.
478	2	107.4	Dec. 9, 1938	None	N	--	Galvanized casing.
479	0.5	114.7	Feb. 1, 1939	C,W	D,S	Gentle slope	Steel casing.
480	1.5	113.6	do.	C,W	D,S	Flat	Do.
481	2	107.4	Dec. 21, 1938	C,W	D,S	do.	Do.

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

d/ Water level reported.

e/ No water sample collected for analysis.

f/ For additional water levels, see U. S. G. S. Water-Supply Paper 840, water levels and artesian pressure in wells in the United States in 1937, pp. 387-88.

Records of wells in Castro County--Continued

No.	Distance from Dimmitt	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
482	4 $\frac{1}{4}$ miles southwest	23, NE $\frac{1}{4}$ NE $\frac{1}{4}$	T. A. Thompson, blk. T-4	C. T. Herring Est.	-- Blanton	1930	163	5
483	3 $\frac{3}{4}$ miles southwest	44, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Mrs. E. Herring	--	--	147	4 $\frac{1}{2}$
490	4 miles south	39, NE $\frac{1}{4}$ SW $\frac{1}{4}$	E.L. & R.R. R.R., blk. K-13	--	--	--	162	5
492	4 $\frac{1}{2}$ miles south	38, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Ray G. Smith	--	1904	120	6
493	5 $\frac{1}{2}$ miles south	44, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Holder & Ray	--	1903	103	--
495	6 miles southeast	3, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Colin Walton	--	--	126	--
498	7 $\frac{1}{2}$ miles southeast	16, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	B. B. Wise	--	--	82	5
499	8 miles southeast	5, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. B. Turner	--	--	101	5
500	8 $\frac{1}{2}$ miles southeast	6, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	R. D. Williams	--	--	80	--
508	11 $\frac{1}{2}$ miles south	11, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Sam Gilbreath	Bradford Supply Co.	1937	200	16
521	10 miles south	48, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	J. R. Harris	--	--	100	--
522	do.	49, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Earnest Waggoner	Geo. Redwine	--	88	4
523	8 $\frac{1}{2}$ miles south	47, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Mrs. Irene Sharp	--	--	91	4
524	8 miles south	46, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Jack Summers	--	--	93	5
525	do.	46, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	do.	Jack Summers	1929	95	6
526	do.	55, SW $\frac{1}{4}$ S $\frac{1}{4}$	do.	C. P. Carpenter	--	--	92	5
527	do.	49, SE $\frac{1}{4}$ SE $\frac{1}{4}$	T. A. Thompson, blk. T-4	W. B. Cole	--	--	85	--
528	10 miles south	51, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	--	--	--	84	--
529	11 miles south	52, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Geo. Redwine	Geo. Redwine	--	--	--
530	12 miles south	53, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	R. E. Duke	do.	--	88	5
531	do.	53, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	M. A. Gilmer	Levi Hall	1924	98	5
538	11 miles south	35, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Mrs. E. Herring	--	--	73	4
539	10 miles south	51, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. G. Carruth	--	--	95	4 $\frac{1}{2}$
540	do.	36, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	C. T. Herring Est.	--	--	99	5
541	do.	36, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	--	--	67	--

Bruce Wilson and Lloyd J. Ryman, Project Superintendents and by Joe W. Lang of the Texas State Board of Water Engineers.

No.	Height of measuring point above ground (ft.) <u>a/</u>	Water level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
482	5	145.1	Feb. 1, 1939	C,W	D,S	Flat	Steel casing.
483	1	134.5	do.	C,W	N	Gentle slope	Do.
490	2	113.5	Nov. 25, 1938	None	N	Flat	Do.
492	1	99.3	Jan. 12, 1939	C,W	D,S	do.	Steel casing, top to bottom.
493	--	93	<u>d/</u>	C,W	N	do.	
495	--	108	<u>d/</u>	C,W	D,S	do.	
496	2	73.6	Feb. 24, 1939	C,W	D,S	Near sink	Steel casing.
499	0.5	79.7	do.	C,W	D,S	do.	Do.
500	0.3	68.8	do.	C,W	N	Gentle slope	
508	1.2	80.5	June 9, 1938	T,G, 50	I	Flat	Estimated yield, 1,200 gallons a minute. Irrigated 470 acres in 1938. Steel casing, top to bottom. 3-stage pump set at 120 feet.
521	0	85.4	Jan. 18, 1939	C,W	D,S	Gentle slope	No casing.
522	2	87.1	do.	C,W	D,S	Flat	Steel casing.
523	--	81.7	Nov. 25, 1938	C,W	D,S	Near lake	Steel casing. Reported strong supply.
524	2	80.9	Dec. 22, 1938	C,W	P	Flat	Supplies water for Cleo School.
525	--	90	<u>d/</u>	C,W	D,S	Top of ridge	6-inch steel casing, 43 to 95 feet.
526	1	73.6	Dec. 21, 1938	C,W	D,S	Flat	Steel casing.
527	1	76.1	Jan. 25, 1939	C,W	D,S	do.	
528	0	81.3	Jan. 18, 1939	C,W	D,S	do.	Reported weak supply.
529	--	--	--	--	I	--	
530	1	82.7	Dec. 9, 1939	C,W	D,S	Flat	Steel casing.
531	2	92.3	Jan. 18, 1939	C,W	D,S	do.	Steel casing. Water level measurement questionable.
538	3	67.8	Jan. 25, 1939	C,W	N	Gentle slope	Steel casing. Located at north edge of large sink.
539	1	89.6	Feb. 6, 1939	C,W	D,S	Flat	
540	1.5	93.5	Dec. 9, 1938	C,H	D	do.	Galvanized casing.
541	2	66.3	Jan. 25, 1939	C,W	D,S	In sink	

Records of wells in Castro County--Continued

No.	Distance from Dimmitt	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
542	9 $\frac{1}{2}$ miles south	29, SW $\frac{1}{4}$ SE $\frac{1}{4}$	T. A. Thompson, blk. T-4	Mrs. E. Herring	--	--	96	5
543	11 miles southwest	31, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	J. H. McGaughey	--	--	--	--
544	14 miles south	10, SE $\frac{1}{4}$ SE $\frac{1}{4}$	H. E. Halsell, subdv., blk. 1	Mrs. Fred Ott	--	--	126	6
545	12 miles south	32, NW $\frac{1}{4}$ SW $\frac{1}{4}$	T. A. Thompson, blk. T-4	Mrs. E. Herring	--	--	96	--
546	12 miles southwest	13, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	--	--	94	5
547	12 $\frac{1}{2}$ miles southwest	10, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	--	--	101	5
548	14 miles southwest	2, SE $\frac{1}{4}$ E $\frac{1}{2}$	do.	--	--	--	115	4 $\frac{1}{2}$
549	do.	6, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	C. T. Herring Est.	--	--	116	6
550	13 miles southwest	18, SW $\frac{1}{4}$ SW $\frac{1}{4}$	D. & E. R. R., blk. 0-4	Federal Land Bank	--	--	95	5
551	do.	19, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Mrs. Rosa McLean	--	--	38	5
555	13 $\frac{1}{2}$ miles southwest	23, SW $\frac{1}{4}$ SW $\frac{1}{4}$	T. A. Thompson, blk. T-4	W. A. Youts	--	--	114	6
556	14 $\frac{1}{2}$ miles southwest	12, NE $\frac{1}{4}$ NE $\frac{1}{4}$	R. M. Thompson, blk. T	W. G. Wyer	--	--	137	--
557	16 miles southwest	75, SE $\frac{1}{4}$ SE $\frac{1}{4}$	Kelly subdv., blk. H	S. C. Webb	Crockett Bruton	1939	193	5
558	15 $\frac{1}{2}$ miles southwest	9, NW $\frac{1}{4}$ NW $\frac{1}{4}$	R. H. Thompson, blk. T	Muriel Stiles	W. Jaltman	1938	214	12
559	14 $\frac{1}{2}$ miles southwest	11, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Otis Burton	McElroy & Allen	1907	128	6
560	15 $\frac{1}{2}$ miles southwest	9, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Glenn Stiles	--	--	128	--
561	16 miles southwest	1, NW $\frac{1}{4}$ E $\frac{1}{2}$	do.	L. H. Welch	--	--	118	5
562	16 $\frac{1}{2}$ miles southwest	92, NE $\frac{1}{4}$ S $\frac{1}{2}$	Kelly subdv., blk. H	Sam Lyman	--	--	126	6
563	do.	8, NW $\frac{1}{4}$ SW $\frac{1}{4}$	H. E. Halsell, subdv., blk. 2	A. L. Haberer	--	--	--	--
564	do.	8, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	--	1928	121	5
565	17 $\frac{1}{2}$ miles southwest	93, NE $\frac{1}{4}$ S $\frac{1}{2}$	Kelly subdv., blk. H	Mrs. J. S. Smith	--	--	128	5
566	18 $\frac{1}{2}$ miles southwest	25, NW $\frac{1}{4}$ NW $\frac{1}{4}$	H. E. Halsell, subdv., blk. 2	Otis Bronscum	--	--	99	8
567	16 $\frac{1}{2}$ miles southwest	11, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Orbin Newell	--	--	98	4

a/ Measuring point was usually top of casing, top of pipe clamp, top of pump base or bottom of discharge pipe.

b/ T, turbine; C, cylinder; Cf, centrifugal; W, windmill; E, electric; G, gasoline; O, diesel; Ng, natural gas; H, hand; number indicates horsepower.

Bruce Wilson and Lloyd J. Ryman, Project Superintendents and by Joe W. Lang of the Texas State Board of Water Engineers.

No. measuring point above ground (ft.)	a/	Height of Water level Depth below measuring point (ft.)	Date of measurement	Pump and power b/	Use of water c/	Topographic situation	Remarks
542	2	82.8	Nov. 30, 1938	None	N	Gentle slope	Steel casing.
543	--	--	--	--	I	--	
544	3	80.9	Dec. 22, 1938	C, W	D, S	Flat	Steel casing.
545	0.5	87.2	Nov. 30, 1938	C, W	D, S	Near lake	
546	0	85.2	Feb. 6, 1939	None	N	Gentle slope	Steel casing.
547	--	74.6	Nov. 13, 1938	C, W	S	Near draw	Do.
548	2	103.2	Jan. 24, 1939	C, W	D, S	Gentle slope	Do.
549	--	103.4	Nov. 18, 1938	C, W	D, S	Top of ridge	Reported strong supply.
550	--	75.9	do.	C, W	D, S	Near draw	Do.
551	--	30	d/	C, W	S	In draw	Do.
555	--	44.3	Nov. 18, 1938	None	N	do.	Steel casing.
556	--	99	d/	C, W	D, S	Flat	
557	2.5	123.2	Jan. 23, 1939	C, W	D, S	do.	Steel casing, top to bottom.
558	1	123.9	June 9, 1938	T, G, 90	I	do.	Steel casing. Struck water at 126 feet. See log.
559	--	117	d/	C, W	D, S	do.	Water level measured in 1907.
560	--	115	d/	C, W	D, S	do.	Reported strong supply.
561	1.5	100.4	Jan. 24, 1939	C, W	D, S	Gentle slope	Water level measured while windmill pumping slowly.
562	--	120.1	Nov. 18, 1938	C, W	D, S	Flat	Steel casing.
563	--	--	--	T, G, --	I	do.	
564	2	107.8	Jan. 18, 1939	C, W	D, S	Gentle slope	Reported well sometimes produces sand.
565	3	111.8	Mar. 15, 1939	C, W	D, S	Flat	Water level measured while windmill pumping slowly.
566	0.4	89.9	do.	C, W	D, S	Gentle slope	Do.
567	6	97.9	Jan. 18, 1939	C, W	D, S	do.	Steel casing.

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

d/ Water level reported.

e/ No water sample collected for analysis.

f/ For additional water levels, see U. S. G. S. Water-Supply Paper 840, water levels and artesian pressure in wells in the United States in 1937, pp. 387-88.

Records of wells in Castro County--Continued

No.	Distance from Dimmitt	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
568	14 miles south	9, SW $\frac{1}{4}$ NW $\frac{1}{4}$	H. E. Halsell subdv., blk. 1	Ernest Jones	--	--	106	4
569	14 $\frac{1}{2}$ miles southwest	13, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	G. E. Keller	--	--	120	5
570	15 $\frac{1}{2}$ miles southwest	13, SE $\frac{1}{4}$ SE $\frac{1}{4}$	H. E. Halsell subdv., blk. 2	do.	--	--	122	8
571	16 miles southwest	20, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	D. D. Jacobs	D. L. McDonald	--	120	6
572	16 $\frac{1}{2}$ miles south	30, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Guy Kelly	Bradford Supply Co.	1938	200	--
573	15 miles south	18, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	E. C. Bell	--	--	127	--
574	14 $\frac{1}{2}$ miles south	14, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	L. E. Davanay	--	--	110	5
575	14 miles south	16, N $\frac{1}{4}$ N $\frac{1}{4}$	do.	John T. Burnett	-- Strong	1929	96	6
576	13 $\frac{1}{2}$ miles south	1, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Gentry Armstrong	--	--	109	--
577	13 $\frac{1}{2}$ miles southwest	3, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Ernest Huffman	D. L. McDonald	1931	100	--
578	12 $\frac{1}{2}$ miles south	1, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	S. E. Wallace	-- Birdwell	1927	96	--
579	13 miles south	6, SE $\frac{1}{4}$ SE $\frac{1}{4}$	H. E. Halsell subdv., blk. 1	S. B. Louder	S. B. Louder	1935	92	8
580	do.	12, N $\frac{1}{4}$ N $\frac{1}{4}$	do.	O. C. Axtell	--	--	19	--
581	do.	do.	do.	do.	Bradford Supply Co.	1937	140	12
582	13 $\frac{1}{2}$ miles south	12, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	--	--	23	--
586	14 miles south	13, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	--	--	--	88	--
587	do.	14, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Peter Peterson	Bradford Supply Co.	1935	165	16
588	13 $\frac{1}{2}$ miles south	14, SW $\frac{1}{4}$ N $\frac{1}{4}$	do.	do.	--	--	67	4 $\frac{1}{2}$
589	do.	14, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	Bradford Supply Co.	1938	210	16
590	13 miles south	13, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	C. E. Sheffy	--	--	--	--
591	do.	13, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	--	1938	210	18

Graze Wilson and Lloyd J. Ryman, Project Superintendents and by Joe W. Lang of the Texas State Board of Water Engineers.

No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
568	2	92.4	Dec. 22, 1938	C,W	D,S	Flat	Steel casing.
569	0.5	103.7	Jan. 24, 1939	None	N	Gentle slope	Located 0.4 mile east of lake.
570	1	106.6	Jan. 18, 1938	C,W	D,S	Flat	Steel casing.
571	--	85	d/	C,W	D,S	do.	Steel casing, top to bottom.
572	1.2	97.1	June 7, 1938	T,G, 85	I	Gentle slope	200 feet of perforated steel casing. Pump set at 150 feet; 30 feet of suction pipe.
573	--	99	d/	C,W	D,S	Flat	
574	3	96.1	Nov. 30, 1938	C,W	D,S	do.	Steel casing. Reported well sometimes produces sand.
575	2	87.1	Jan. 18, 1938	C,W	D,S	do.	Steel casing, top to bottom. Water level measured while windmill pumping.
576	0.5	90.6	Dec. 22, 1938	C,W	D,S	Gentle slope	30 feet of steel casing at bottom.
577	0.5	86.2	Jan. 24, 1939	C,W	D,S	do.	Located 0.2 mile north of large sink.
578	--	88	d/	C,W	D,S	Near draw	No casing.
579	--	20	d/	Cf,G, --	S	do.	Estimated yield, 200 gallons a minute. 20 feet of 8-inch steel casing at top.
580	1	14.3	Feb. 28, 1939	C,W	N	Creek bottoms	
581	--	19	d/	T,G, 85	I	do.	Estimated yield, 1,000 gallons a minute. Irrigated 70 acres in 1938. Steel casing, top to bottom. 2-stage pump set at 50 feet.
582	1	16.3	Feb. 28, 1939	C,W	S	do.	
586	0.8	69.7	Dec. 22, 1938	C,W	D,S	Gentle slope	No casing.
587	1	18.8	Mar. 31, 1939	None	N	Edge of draw	Located near draw. Pump moved to well 589.
588	1.5	62.2	Feb. 28, 1939	C,W	D,S	Gentle slope	Water level measured while windmill pumping slowly.
589	1.5	78.8	Mar. 31, 1939	T,G, 85	I	do.	Estimated yield, 1,000 gallons a minute. 210 feet of 16-inch perforated steel casing. 3-stage pump set at 110 feet.
590	--	--	--	None	N	Flat	Most easterly of irrigation wells. Crooked hole; filled and abandoned.
591	--	48	d/	T,G, 85	I	do.	Estimated yield, 1,000 gallons a minute. Irrigated 172 acres in 1938. Steel casing. 2-stage pump set at 110 feet. Center well of three wells. West well had crooked hole; filled and abandoned.

Records of wells in Castro County--Continued

No.	Distance from Dimmitt	Section	Survey & block	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
592	12 $\frac{1}{2}$ miles south	5, NE $\frac{1}{4}$ SE $\frac{1}{4}$	H. E. Halsell subdv., blk. 1	S. B. Louder	--	--	88	--
593	do.	4, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	--	--	--	77	--
594	12 miles south	50, SE $\frac{1}{4}$ SE $\frac{1}{4}$	E.L. & R.R. R.R., blk. K-13	E. F. Sadler	Geo. Turentine	1924	92	--
595	do.	3, NW $\frac{1}{4}$ NW $\frac{1}{4}$	H. E. Halsell subdv., blk. 1	R. E. Cade	Bradford Supply Co.	1935	200	12 $\frac{1}{2}$
596	do.	1, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	S. W. Lilly	do.	1933	222	13
597	do.	16, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Howard Bridges	do.	1938	220	--
598	14 $\frac{1}{2}$ miles south	19, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	--	--	--	83	--

a/ Measuring point was usually top of casing, top of pipe clamp, top of pump base or bottom of discharge pipe.

b/ T, turbine; C, cylinder; Cf, centrifugal; W, windmill; E, electric; G, gasoline; O, diesel; Ng, natural gas; H, hand; number indicates horsepower.

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No.	Height of measuring point above ground (ft.) a/	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
		Depth below measuring point (ft.)	Date of measurement				
592	0.3	80.6	Dec. 9, 1938	C, T	D	Flat	
593	0.8	57.2	Feb. 20, 1939	C, T	D, S	Gentle slope	Located near sink.
594	--	77	d/	C, T	D, S	--	Water level measured by driller in 1924. No casing.
595	3.5	84.7	Mar. 31, 1939	T, G, 95	I	Flat	Irrigated 260 acres in 1938. Perforated steel casing, top to bottom. 2-stage pump set at 110 feet.
596	--	68	d/	T, G, 85	I	do.	Estimated yield, 900 gallons a minute. Irrigated 271 acres in 1938. Perforated steel casing top to bot-
597	--	75	d/	T, G, 85	I	do.	Irrigated 210 acres in 1938. Steel casing. <u>tor.</u>
598	1	77.4	Dec. 22, 1938	None	N	do.	

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

d/ Water level reported.

e/ No water sample collected for analysis.

f/ For additional water levels, see U. S. G. S. Water-Supply Paper 840, water levels and artesian pressure in wells in the United States in 1937, pp. 387-88.

Table of drillers' logs, Castro County, Texas

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 20</u>		
A. C. Hawks farm, 10 miles northwest of Dimmitt.		
Sandy top soil - - - - -	3	3
Sandy red clay - - - - -	27	30
Sandy red clay and rock - - -	31	61
Honeycombed rock - - - - -	23	84
Water sand - - - - -	17	101
Sand and gravel - - - - -	19	120
TOTAL DEPTH - - - - -		120

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 84</u>		
R. S. Daniels farm, 7 miles north of Dimmitt.		
Top soil - - - - -	6	6
Clay - - - - -	34	40
Packed sand - - - - -	42	82
Red sand and gravel - - - - -	8	90
Honeycombed red rock, water- -	15	105
Hard-packed sand - - - - -	15	120
Honeycombed red rock, water- -	38	158
TOTAL DEPTH - - - - -		158

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 104</u>		
Frank Woodard farm, 9 ¹ / ₂ miles north of Dimmitt.		
Top soil - - - - -	7	7
Red and yellow clay - - - - -	23	30
Loose-packed, dry gray sand- - -	5	35
Hard white rock - - - - -	4	39
Yellow packed sand - - - - -	24	63
Red water sand - - - - -	5	68
Hard-packed yellow sand - - -	8	76
Honeycombed red rock, water- -	15	91
White clay - - - - -	4	95
Honeycombed red rock, water- -	15	110
Hard-packed yellow sand - - -	10	120
Honeycombed red rock and gravel - - - - -	20	140
TOTAL DEPTH - - - - -		140

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 350</u>		
S. Clements tract, 4 ¹ / ₂ miles southeast of Dimmitt.		
Red sand - - - - -	40	40
Yellow clay - - - - -	10	50
Red clay and sand - - - - -	10	60
Sand - - - - -	15	75
Sand and clay - - - - -	55	130
Sand - - - - -	10	140
Quicksand - - - - -	15	155
Yellow clay and sand - - - - -	55	210
Sand - - - - -	65	275
Packed sand - - - - -	35	310
Sand - - - - -	20	330

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 350--Continued</u>		
Light-red clay - - - - -	20	350
Red rock - - - - -	5	355
Gravel, water - - - - -	2	357
Sand and gravel - - - - -	10	367
Water sand - - - - -	11	378
Red rock - - - - -	2	380
Red clay - - - - -	5	385
Red rock - - - - -	15	400
Red clay - - - - -	12	412
Red rock - - - - -	13	425
Red clay - - - - -	7	432
Dry gravel - - - - -	3	435
Red clay - - - - -	10	445
Red beds - - - - -	38	483
Blue shale - - - - -	17	500
Water sand, hole full of water - - - - -	5	505
Blue shale - - - - -	10	515
Sandy blue shale - - - - -	30	545
Red beds - - - - -	20	565
Red rock - - - - -	80	645
Red rock with blue streaks- -	50	695
Red rock - - - - -	40	735
Red rock with blue streaks- -	30	765
Caving red rock - - - - -	13	778
Red clay - - - - -	17	795
Red rock - - - - -	15	810
Red shale - - - - -	10	820
Red rock - - - - -	45	865
Blue and red shale - - - - -	37	902
Salt-water sand - - - - -	4	906
Shells and lime - - - - -	6	912
Red rock - - - - -	38	950
Sandy red rock - - - - -	5	955
Gray salt-water sand - - - - -	5	960
Sandy lime, 500 feet of water - - - - -	40	1000
Sand - - - - -	22	1022
Red rock - - - - -	8	1030
Red rock and shells - - - - -	18	1048
Red rock - - - - -	12	1060
Sandy red shale - - - - -	5	1065
Water sand - - - - -	5	1070
Red clay - - - - -	5	1075
Sand - - - - -	10	1085
Red rock and blue shale- - -	15	1100
Blue shale - - - - -	5	1105
Red rock - - - - -	5	1110
Caving red clay - - - - -	5	1115
Caving red rock - - - - -	15	1130
Red shale - - - - -	10	1140
Red beds - - - - -	10	1150
Red shale - - - - -	3	1153

(Continued on next page)

Table of drillers' logs, Castro County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 350--Continued</u>		
Red and yellow shale - - -	22	1175
Red beds - - - - -	15	1190
Red rock - - - - -	90	1280
Sandy red shale - - - - -	30	1310
Sandy shale - - - - -	20	1330
Red shale - - - - -	5	1335
Sandy red shale - - - - -	41	1376
Lime - - - - -	6	1382
Red rock and chalky white lime - - - - -	43	1425
Red rock and gypsum - - -	10	1435
Brown sand - - - - -	2	1437
Red rock - - - - -	8	1445
Red beds - - - - -	15	1460
Red rock and gypsum - - -	8	1468
Red beds - - - - -	17	1485
Red rock and gypsum - - -	10	1495
Red beds - - - - -	20	1515
Red rock - - - - -	5	1520
Sand - - - - -	5	1525
Red rock and gypsum - - -	5	1530
Chalk lime and red rock -	10	1540
Sandy lime and gypsum - -	5	1545
Red beds and gypsum - - -	8	1553
Sandy brown gypsum - - - -	7	1560
TOTAL DEPTH - - - - -		4600
CASING RECORD: 210 feet of 20-inch; 395 feet of 15 $\frac{1}{2}$ -inch; 915 feet of 12 $\frac{1}{2}$ -inch; 1,200 feet of 10-inch; 2,514 feet of 8 $\frac{1}{2}$ -inch and 4,254 feet of 6-5/8-inch casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 558</u>		
Muriel Stiles farm, 15 $\frac{1}{2}$ miles southwest of Dimmitt.		
Top soil - - - - -	4	4
Caliche - - - - -	8	12
Red caliche - - - - -	33	45
Red sand - - - - -	18	63
Caving red sand - - -	40	103
Dry sand - - - - -	5	108
Sandy shale - - - - -	18	126
Red water sand - - -	19	145
Water sand - - - - -	11	156
Soapstone and sand - -	5	161
Sandy shale - - - - -	23	184
Water sand - - - - -	30	214
TOTAL DEPTH - - - - -		214

Logs of test wells drilled by W. P. A. labor in Castro County, Texas
 Samples examined and classified by Bruce Wilson and Lloyd J. Ryman
 Project Superintendents

	Thickness (feet)	Depth (feet)
<u>Well 21</u>		
Near dry lake, J. B. Harlin tract, SE cor. NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 117, blk. M7, B. S. & F. sur., 12 $\frac{1}{2}$ miles northwest of Dimmitt.		
Surface soil - - - - -	1	1
Caliche - - - - -	2	3
Caliche - - - - -		3
February 23, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 22</u>		
Near dry lake, J. B. Harlin tract, 300 feet south of well 21.		
Surface soil - - - - -	1	1
Gray clay - - - - -	1	2
Light-brown sand - - -	18	20
Rock - - - - -		20
February 23, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 23</u>		
Bed of dry lake, J. B. Harlin tract, 600 feet south of well 21.		
Surface clay - - - - -	2	2
Light-brown sand - - -	15	17
February 23, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 24</u>		
Bed of dry lake, J. B. Harlin tract, 900 feet south of well 21.		
Gray clay - - - - -	5	5
Sandy clay - - - - -	10	15
Red sand - - - - -	7	22
February 23, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 25</u>		
Bed of dry lake, J. B. Harlin tract, 1,200 feet south of well 21.		
Clay - - - - -	6	6
Light-brown sand - - -	19	25
February 23, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 26</u>		
Near dry lake, C. M. Whitford tract, 1,500 feet south of well 21.		
Surface soil - - - - -	5	5
Fine-grained gray sand	2	7
Pink-colored sand and caliche - - - - -	20	27
Pink-colored sand - - -	2	29
Rock - - - - -		29
February 23, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 49</u>		
Edge of dry lake, Dr. --Parker tract, 615 feet north of SE cor. SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 61, blk. M-7, B. S. & F. sur., 11 $\frac{1}{2}$ miles north of Dimmitt.		
Gray surface soil and caliche - - - - -	3	3
Light-tan-colored sand and caliche - - - - -	6	9
Sandy red loam - - - - -	12	21
Rock - - - - -		21
December 16, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 50</u>		
Bed of dry lake, Dr. --Parker tract, 300 feet south of well 49.		
Dark-colored surface clay	1	1
Light-tan-colored sand	7	8
Pinkish-colored sand -	15	23
Rock - - - - -		23
December 16, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 51</u>		
Bed of dry lake, Dr. --Parker tract, 600 feet south of well 49.		
Fine-grained light-colored sand - - - - -	7	7
Light-tan-colored sand	6	13
Red sand - - - - -	5	18
Rock - - - - -		18
December 16, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 64</u>		
Edge of dry lake, 125 feet west and 0.1 mile north of SE cor. SE $\frac{1}{4}$ sec. 37, blk. M-7, B. S. & F. sur., 9 $\frac{1}{2}$ miles north of Dimmitt.		
Surface soil - - - - -	1	1
Sandy gray clay - - - -	4	5
Caliche - - - - -		5
February 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 65</u>		
Bed of dry lake, 150 feet west of well 64.		
Red clay - - - - -	7	7
Sandy gray clay - - - -	11	18
Rock - - - - -		18
February 25, 1939.		

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

	Thickness (feet)	Depth (feet)
<u>Well 66</u>		
Bed of dry lake, 300 feet west of well 64.		
Clay - - - - -	7	7
Sandy clay - - - - -	11	18
Rock - - - - -		18
February 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 67</u>		
Bed of dry lake, 450 feet west of well 64.		
Surface soil - - - - -	1	1
Sandy clay - - - - -	5	6
Sandy loam - - - - -	7	13
Rock - - - - -		13
February 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 68</u>		
Bed of dry lake, 15 feet east and 0.3 mile north of SW cor SW $\frac{1}{4}$ sec. 15, blk. M-7, B. S. & F. sur., 10 miles north of Dimmitt.		
Dark-gray clay - - - - -	4	4
Gray caliche and clay - - - - -	16	20
Red clay - - - - -	8	28
Fine-grained gray sand - - - - -	2	30
December 8, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 69</u>		
Bed of dry lake, 300 feet south of well 68.		
Dark-gray clay - - - - -	3	3
Light-gray chalk and clay - - - - -	18	21
Yellow clay - - - - -	3	24
Red clay - - - - -	7	31
December 8, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 70</u>		
Bed of dry lake, 600 feet south of well 68.		
Dark-gray loam - - - - -	1	1
Light-gray silt - - - - -	6	7
Light-gray chalk and clay - - - - -	9	16
Light-brown clay - - - - -	8	24
Light-gray clay - - - - -	2	26
December 8, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 73</u>		
Bed of dry lake, T. J. Maples tract, 25 feet east and 100 feet south of NW cor. NW $\frac{1}{4}$ sec. 1, blk. M10A, 7 miles northeast of Dimmitt.		
Brown surface soil - - - - -	1	1
Caliche and red clay - - - - -	9	10
Sandy brown clay - - - - -	18	28
Brown sand - - - - -	6	34
January 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 74</u>		
Bed of dry lake, 300 feet north of well 73, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 11, blk. M-7, B. S. & F. sur., 7 miles northeast of Dimmitt.		
Dark-gray clay - - - - -	5	5
Gummy light-gray clay - - - - -	17	22
Brown clay with red stains - - - - -	2	24
Gray clay with red inclusions - - - - -	5	29
Red clay - - - - -	8	37
Caliche - - - - -	3	40
Light-brown sand - - - - -	4	44
January 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 75</u>		
Bed of dry lake, 300 feet north of well 74.		
Dark-gray clay - - - - -	6	6
Light-gray caliche-like clay - - - - -	9	15
Sandy brown clay - - - - -	3	18
Red loam and clay - - - - -	6	24
Sandy light-brown clay - - - - -	3	27
Light-brown sand - - - - -	6	33
Rock - - - - -		33
January 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 76</u>		
Edge of dry lake, 600 feet north of well 74.		
Sandy tan-colored clay - - - - -	6	6
Fine-grained white sand - - - - -	12	18
January 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 87</u>		
Bed of dry lake, Mrs. Lee Lambert tract, 586 feet south and 0.3 mile east of NW cor. NW $\frac{1}{4}$ sec. 54, blk. M-7, B. S. & F. sur., 8 miles north of Dimmitt.		
Black top soil - - - - -	3	3
Gummy sand - - - - -	5	8
Sandy grayish-brown clay - - - - -	19	27
Red sand - - - - -	5	32
Water sand with red stains - - - - -	4	36
November 16, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 88</u>		
Bed of dry lake, Mrs. Lee Lambert tract, 244 feet north of well 87.		
Gummy black top soil - - - - -	3	3
Chalky gray soil - - - - -	7	10
Gray, red-stained sand - - - - -	6	16
Chalky grayish-white caliche - - - - -	9	25
November 16, 1938.		

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

	Thickness (feet)	Depth (feet)
<u>Well 89</u>		
Bed of dry lake, Mrs. Lee Lambert tract, 520 feet north of well 87.		
Black top soil - - - - -	2	2
White caliche - - - - -	18	20
Brown sand - - - - -	2	22
November 16, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 105</u>		
Bed of dry lake, M. Lemons tract, 700 feet south and 900 feet east of NW cor. N. $\frac{1}{4}$ sec. 79, blk. M-7, B. S. & F. sur., 9 miles north of Dimmitt.		
Gummy gray clay - - -	6	6
Gray sand - - - - -	9	15
White sand and caliche	5	20
Gray sand - - - - -	4	24
January 3, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 106</u>		
Bed of dry lake, M. Lemons tract, 250 feet east of well 105.		
Black surface soil - -	1	1
Gummy gray clay - - -	7	8
Gray sand - - - - -	13	21
Pink-colored sand - - -	2	23
January 3, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 107</u>		
Bed of dry lake, M. Lemons tract, 450 feet east of well 105.		
Dark-gray surface soil	5	5
Sandy gray clay - - -	8	13
Grayish-tan-colored sand	10	23
Pinkish-tan-colored sand	4	27
January 3, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 109</u>		
Gentle slope, N. H. Witt tract, 0.1 mile east of SW cor. SW $\frac{1}{4}$ sec. 76, blk. M-7, B. S. & F. sur., 7 $\frac{1}{2}$ miles north of Dimmitt.		
Gray surface soil - - -	1	1
Buff-colored silt - - -	5	6
Fine-grained sand - - -	6	12
Sandy light-gray clay-	21	33
January 9, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 110</u>		
Gentle slope, M. Lemons tract, 0.15 mile east of SW cor. SW $\frac{1}{4}$ sec. 79, blk. M-7, B. S. & F. sur., 8 miles northwest of Dimmitt.		
Brown surface soil - -	3	3
Pinkish-white sand - -	8	11
Red loam - - - - -	11	22

	Thickness (feet)	Depth (feet)
<u>Well 110--Continued</u>		
Caliche - - - - -	5	27
Rock - - - - -		27
January 9, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 111</u>		
Flat, M. Lemons tract, 0.25 mile south of NW cor. NW $\frac{1}{4}$ sec. 78, blk. M-7, B. S. & F. sur., 8 miles northwest of Dimmitt.		
Brown surface soil - -	3	3
Pink-colored sand - - -	22	25
Red loam - - - - -	5	30
Red sand - - - - -	2	32
Pink-colored caliche and sand - - - - -	8	40
Pink-colored sand grains	3	43
January 9, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 125</u>		
Edge of draw, E. R. Williams tract, 0.1 mile east of SW cor. SW $\frac{1}{4}$ sec. 126, blk. M-7, B. S. & F. sur., 12 $\frac{1}{2}$ miles north- west of Dimmitt.		
Surface soil - - - - -	2	2
Brown sand with caliche pebbles - - - - -	13	15
February 21, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 126</u>		
Bottom of draw, E. R. Williams tract, 250 feet east of well 125.		
Surface soil - - - - -	3	3
Caliche gravel and sand	3	6
Red sand - - - - -	4	10
Caliche - - - - -	2	12
Fine-grained sand - - -	8	20
Rock - - - - -		20
February 21, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 127</u>		
Edge of draw, E. R. Williams tract, 500 feet east of well 125.		
Surface soil - - - - -	6	6
White sand and caliche pebbles - - - - -	14	20
February 21, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 141</u>		
Bed of dry lake, M. B. Benton tract, 6 feet south and 510 feet west of NE cor. NW $\frac{1}{4}$ sec. 1, blk. O-3, E. L. & R. R. R. R. sur., 6 miles west of Dimmitt.		
Dark-gray surface clay	9	9
Brown clay - - - - -	6	15
(Continued on next page)		

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

	Thickness (feet)	Depth (feet)
<u>Well 141--Continued</u>		
Greenish-gray clay - -	5	20
Sandy gray clay - - -	1	21
Sandy brown clay with red stains - - - - -	9	30
December 19, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 142</u>		
Bed of dry lake, M. B. Benton tract, 250 feet east of well 141.		
Gray surface clay - - -	5	5
Sandy light-brown clay	7	12
Gray clay with red stains	3	15
Red loam - - - - -	16	31
December 19, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 143</u>		
Bed of dry lake, M. B. Benton tract, 500 feet east of well 141.		
Dark-gray surface soil	2	2
Caliche and red soil -	14	16
Red loam - - - - -	15	31
December 19, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 149</u>		
Bed of dry lake, E. H. Youts tract, 100 feet east end 0.5 mile north of SW cor. SW $\frac{1}{4}$ sec. 6, blk. L-2, J. T. Tucker sub- division, 2 $\frac{3}{4}$ miles north of Dimmitt.		
Black top soil - - - -	1	1
Gray sand - - - - -	1	2
Reddish-white clay - -	9	11
Gray shale and clay - -	3	14
Gray sand - - - - -	5	19
Red sand with yellow stains	9	28
December 2, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 150</u>		
Bed of dry lake, E. H. Youts tract, 510 feet east of well 149.		
Gummy black top soil -	1	1
Sandy red clay - - - -	7	8
Yellow sand - - - - -	1	9
Sandy light-red clay -	7	16
Gray sand - - - - -	1	17
Reddish-white clay - -	3	20
Gray clay - - - - -	7	27
Sandy bright-red loam-	9	36
December 2, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 151</u>		
Bed of dry lake, E. H. Youts tract, 1,020 feet east of well 149.		
Black top soil - - - -	2	2
Gray sand - - - - -	4	6

	Thickness (feet)	Depth (feet)
<u>Well 151--Continued</u>		
Sandy red loam - - - -	5	11
Hard gray shale with yellow streaks - - -	8	19
December 2, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 155</u>		
Bed of dry lake, G. J. Dieter tract, 215 feet west and 1,225 feet south of NW cor. NW $\frac{1}{4}$ sec. 2, blk. L-4, J. T. Tucker subdivision, 4 $\frac{3}{4}$ miles north of Dimmitt.		
Gummy black soil - - -	4	4
Brown sand - - - - -	2	6
Reddish-brown shale - -	12	18
Fine-grained yellow sand	2	20
Brown clay with red stains	2	22
Yellow sand - - - - -	2	24
Brown sand - - - - -	3	27
November 21, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 156</u>		
Bed of dry lake, G. J. Dieter tract, 510 feet north of well 155.		
Gummy black soil - - -	10	10
Sandy brown soil - - -	12	22
Gummy greenish-gray clay	14	36
November 21, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 157</u>		
Bed of dry lake, G. J. Dieter tract, 1,020 feet north of well 155.		
Gummy black top soil -	15	15
Sandy greenish-gray clay	2	17
Light-brown sand - - -	4	21
Gray sand with white streaks	2	23
Sandy light-red loam -	1	24
Chalky white soil - - -	4	28
November 21, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 161</u>		
Bed of dry lake, Federal Farm & Mortgage Assn. tract, 150 feet west of NE cor. SE $\frac{1}{4}$ sec. 2, blk. L-1, J. T. Tucker sub- division, 5 miles northeast of Dimmitt.		
Dark-colored loam - - -	1	1
Very fine-grained gray silt	4	5
Light-brown clay - - -	7	12
Fine-grained light-brown sand - - - - -	1	13
Sandy light-brown clay	7	20
Reddish-brown clay - -	3	23
Sandy red clay - - - -	8	31
Chalky gray clay - - -	1	32
December 8, 1938.		

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

	Thickness (feet)	Depth (feet)
<u>Well 162</u>		
Bed of dry lake, Federal Farm & Mortgage Assn. tract, 400 feet south of well 161.		
Dark-gray clay - - - -	4	4
Brown clay - - - - -	2	6
Fine-grained gray silt	4	10
Brownish-yellow clay -	8	18
Reddish-colored clay -	3	21
Greenish-gray clay - -	11	32
December 8, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 163</u>		
Bed of dry lake, Federal Farm & Mortgage Assn. tract, 730 feet south of well 161.		
Dark-gray loam and clay	4	4
Sandy gray clay - - - -	4	8
Light-gray silt - - - -	2	10
Light-brown clay - - -	10	20
Red clay and chalk - -	9	29
Sandy brown clay - - -	3	32
December 8, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 165</u>		
Bed of dry lake, W. F. Griffin tract, 300 feet south and 0.2 mile west of NE cor. NE $\frac{1}{4}$ sec. 2, blk. L-2, J. T. Tucker subdivision, 3 $\frac{1}{4}$ miles northeast of Dimmitt.		
Black top soil - - - -	2	2
Reddish-white caliche -	4	6
Sandy light-red loam and gravel - - - - -	12	18
December 1, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 166</u>		
Bed of dry lake, W. F. Griffin tract, 250 feet west of well 165.		
Gummy black top soil -	5	5
Iron-gray shale and gumbo	6	11
Powdery white sand - -	2	13
Light-gray sand with white streaks - - - - -	11	24
December 1, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 167</u>		
Bed of dry lake, W. F. Griffin tract, 500 feet west of well 165.		
Gummy black top soil -	4	4
Gray shale and gumbo -	8	12
Sandy shale with red stains	7	19
Sandy red loam - - - -	2	21
Gray sand - - - - -	6	27
December 1, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 169</u>		
Top of ridge, C. B. Kilgore tract, 0.2 mile east of NW cor. N $\frac{1}{4}$ sec. 28, blk. M-10A, 3 $\frac{1}{2}$ miles east of Dimmitt.		
Brownish-red soil - - -	1	1
Dark-gray soil - - - -	3	4
Brown soil - - - - -	3	7
Powdery white chalk --	2	9
Pink-colored caliche and soil - - - - -	6	15
Reddish-brown loam - -	3	18
Red loam - - - - -	5	23
Pink-colored caliche and loam - - - - -	14	37
January 20, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 170</u>		
Flat, Board of Foreign Missions tract, NW cor. NW $\frac{1}{4}$ sec. 13, blk. M-10A, 2 $\frac{1}{2}$ miles east of Dimmitt.		
Brown surface soil - -	4	4
Powdery white chalk --	1	5
Pink-colored caliche and soil - - - - -	8	13
Brown loam - - - - -	2	15
Red loam - - - - -	18	33
Rock - - - - -		33
January 20, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 171</u>		
Bed of dry lake, 250 feet north and 1,520 feet east of SW cor. SW $\frac{1}{4}$ lot 14, blk. N, 1 $\frac{1}{2}$ miles east of Dimmitt.		
Sandy light-gray clay-	9	9
Light-gray sand with yellow stains - - - - -	7	16
Sandy light-brown clay	4	20
Sandy brown clay - - -	8	28
Sandy light-red clay -	4	32
December 6, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 172</u>		
Bed of dry lake, Mrs. G. B. Hackleman tract, 510 feet west of well 171.		
Gummy black top soil -	7	7
Sandy gray clay - - -	13	20
Sandy brown clay - - -	5	25
Dark-brown clay - - -	8	33
December 6, 1938.		

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

	Thickness (feet)	Depth (feet)
<u>Well 173</u>		
Bed of dry lake, Mrs. G. B. Hackleman tract, 1,020 feet east of well 171.		
Black top soil - - - -	1	1
Sandy light-red loam -	9	10
Sandy gray clay - - - -	10	20
Gummy brown clay - - - -	10	30
Sandy brown clay with red stains - - - - - - -	7	37
December 6, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 178</u>		
Bed of dry lake, Solon Clements tract, 246 feet northeast of railroad and 0.5 mile northwest of SE cor. SE $\frac{1}{4}$ sec. 15, blk. M-10A, $\frac{1}{2}$ miles southeast of Dimmitt.		
Sandy red soil - - - -	10	10
White caliche - - - - -	3	13
Sandy red loam with streaks of white caliche --	5	18
November 19, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 179</u>		
Bed of dry lake, Solon Clements tract, 510 feet northeast of well 178.		
Gummy black soil - - -	12	12
Gummy dark-gray clay -	10	22
Sandy light-gray loam-	8	30
Gummy dark-gray soil -	5	35
November 19, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 180</u>		
Bed of dry lake, Solon Clements tract, 1,020 feet northeast of well 178.		
Black gumbo and soil -	9	9
Sandy gray loam - - - -	4	13
Sandy yellow loam - - -	7	20
Sandy light-gray loam with yellow streaks - - -	9	29
November 19, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 181</u>		
Flat, H. J. Rucker Est., NW cor. NW $\frac{1}{4}$ sec. 22, blk. M-10A, $\frac{1}{2}$ miles south of Dimmitt.		
Brown surface soil - -	3	3
Red loam - - - - - - -	2	5
Pink-colored caliche -	8	13
Sandy red soil - - - -	13	26
Red sand - - - - - - -	4	30
Pink caliche and sand-	7	37
Rock - - - - - - - - -		37
January 11, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 189</u>		
Bed of dry lake, Joe Hastings tract, 30 feet south and 40 feet west of NE cor. NE $\frac{1}{4}$ lot 24, blk. M, $\frac{1}{2}$ miles northwest of Dimmitt.		
Black gumbo and soil -	11	11
Brown shale and gumbo-	18	29
Light-brown sand - - -	2	31
November 25, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 190</u>		
Bed of dry lake, Joe Hastings tract, 400 feet south of well 189.		
Black gumbo - - - - -	10	10
Brown shale and gumbo-	7	17
Yellow sand - - - - -	2	19
Gray shale and gumbo -	18	37
Red gumbo - - - - - - -	14	51
November 25, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 191</u>		
Bed of dry lake, Joe Hastings tract, 910 feet south of well 189.		
Sandy red loam - - - -	15	15
Gray shale and gumbo -	8	23
White sand - - - - - - -	5	28
Sandy light-red clay -	7	35
White sand with yellow streaks - - - - - - -	28	63
November 25, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 193</u>		
Bed of dry lake, J. O. Ayers tract, 50 feet south and 600 feet east of NW cor. NW $\frac{1}{4}$ lot 34, blk. M, $2\frac{3}{4}$ miles west of Dimmitt.		
Dark-gray surface soil	1	1
Caliche and pink-colored soil - - - - - - - - -	2	3
Red loam - - - - - - - -	8	11
Rock - - - - - - - - - -		11
December 17, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 194</u>		
Bed of dry lake, J. O. Ayers tract, 300 feet west of well 193.		
Dark-gray clay - - - -	11	11
Sandy brown clay - - -	9	20
Red loam - - - - - - - -	10	30
Sandy red loam - - - -	3	33
December 17, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 195</u>		
Bed of dry lake, J. O. Ayers tract, 600 feet west of well 193.		
Dark-gray surface clay	5	5
(Continued on next page)		

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

	Thickness (feet)	Depth (feet)
<u>Well 195--Continued</u>		
Brown clay - - - - -	5	10
Sandy light-brown clay	17	27
Sandy light-brown and pink clay - - - - -	2	29
December 17, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 196</u>		
Gentle slope, H. E. & W. T. R. R. tract, NW cor. NW $\frac{1}{4}$ sec. 31, blk. M-10A, 3 $\frac{1}{2}$ miles southwest of Dimmitt.		
Dark-brown surface soil	5	5
Sandy light-gray clay	2	7
Red clay - - - - -	5	12
Sandy red loam - - - -	18	30
Caliche and pink-colored sand - - - - -	16	46
Red sand - - - - -	2	48
January 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 197</u>		
In sink, W. G. Baxter tract, 0.3 mile north and 0.35 mile east of SW cor SW $\frac{1}{4}$ blk. 7, R. J. Williams sur., 5 miles west of Dimmitt.		
Dark-gray clay - - - -	4	4
Greenish-gray clay --	4	8
Sandy brown clay - - -	5	13
Gummy reddish-brown clay	5	18
Sandy tan-colored clay	11	29
Sandy red clay - - - -	4	33
Sandy light-gray clay	2	35
Red sand - - - - -	6	41
Medium-grained white sand	12	53
Pink-colored sand - - -	10	63
Yellowish-pink sand - -	6	69
Fine-grained buff-colored sand - - - - -	3	72
January 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 198</u>		
In sink, W. G. Baxter tract, 0.2 mile west of well 197.		
Dark-gray surface soil	3	3
Sandy gray clay - - - -	2	5
Red sand - - - - -	18	23
Caliche and pink-colored sand - - - - -	14	37
Medium-grained red sand	2	39
Medium-grained pinkish-white sand - - - - -	8	47
Yellow sand and clay-	6	53
Light-gray sand - - - -	2	55
Yellow sand - - - - -	1	56
January 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 200</u>		
Flat, T. B. Flint tract, NE cor NE $\frac{1}{4}$ sec. 4, blk. O-3, E. L. & R. R. R. R. sur., 5 $\frac{1}{2}$ miles west of Dimmitt.		
Dark-brown surface soil	3	3
Pinkish-white caliche-	12	15
Rock - - - - -		15
January 21, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 206</u>		
Flat, C. P. Hamilton tract, NE cor. NE $\frac{1}{4}$ sec. 16, blk. O-3, E. L. & R. R. R. R. sur., 7 $\frac{1}{2}$ miles west of Dimmitt.		
Dark-brown surface soil	3	3
Powdery light-red caliche	14	17
Red loam and caliche -	5	22
Rock - - - - -		22
January 21, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 207</u>		
Edge of dry lake, C. P. Hamilton tract, SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 16, blk. O-3, E. L. & R. R. R. R. sur., 7 $\frac{1}{2}$ miles west of Dimmitt.		
Dark-gray surface soil	2	2
White caliche and pink- colored loam - - - -	18	20
Pink-colored sand - - -	28	48
Pink-colored sand and caliche - - - - -	12	60
January 21, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 208</u>		
Bed of dry lake, J. H. Flanagan tract, 30 feet west and 450 feet south of NE cor. NE $\frac{1}{4}$ sec. 6, blk. O-3, E. L. & R. R. R. R. sur., 6 $\frac{1}{2}$ miles southwest of Dimmitt.		
Dark-gray surface soil	3	3
Sandy gray clay - - - -	2	5
Light-gray sand - - - -	2	7
Red clay - - - - -	1	8
Brown clay - - - - -	6	14
Light-gray sand - - - -	1	15
Red loam - - - - -	12	27
Brown clay - - - - -	5	32
December 21, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 209</u>		
Bed of dry lake, J. H. Flanagan tract, 525 feet south of well 208.		
Dark-gray surface clay	5	5
Sandy light-gray clay-	3	8
December 21, 1938.		

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

	Thickness (feet)	Depth (feet)
<u>Well 252</u>		
Edge of dry lake, <u>W. J. Wilson Est.</u> , 0.2 mile south and 0.45 mile east of NW cor. NW $\frac{1}{4}$ sec. 314, blk. M-6, S. K. & K. sur., 12 $\frac{1}{2}$ miles northeast of Dimmitt.		
Top soil - - - - -	2	2
Sand - - - - -	4	6
Sandy clay - - - - -	6	12
Red loam and caliche-	4	16
April 4, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 253</u>		
Bed of dry lake, <u>W. J. Wilson Est.</u> , 300 feet south of well 252.		
Black clay - - - - -	6	6
Sandy clay - - - - -	10	16
Caliche - - - - -	2	18
Rock - - - - -		18
April 4, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 254</u>		
Bed of dry lake, <u>W. J. Wilson Est.</u> , 600 feet south of well 252.		
Dark-gray clay - - - -	7	7
Sandy clay - - - - -	28	35
Red sand - - - - -	2	37
April 3, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 255</u>		
Bed of dry lake, <u>W. J. Wilson Est.</u> , 900 feet south of well 252.		
Dark-gray clay - - - -	8	8
Sandy gray clay - - - -	24	32
Very sandy clay with sand streaks - - - - -	11	43
Pink-colored sand - - -	20	63
April 3, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 256</u>		
Bed of dry lake, <u>W. J. Wilson Est.</u> , 1,200 feet south of well 252.		
Dark-gray clay - - - -	8	8
Sandy gray clay - - - -	27	35
April 3, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 257</u>		
Bed of dry lake, <u>W. J. Wilson Est.</u> , 1,500 feet south of well 252.		
Dark-gray clay - - - -	7	7
Sandy clay with sand streaks	41	48
Pink-colored sand - - -	28	76
Buff-colored sand - - -	14	90
April 3, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 264</u>		
Bed of dry lake, <u>J. L. Krumm tract</u> , 0.3 mile south and 0.3 mile east of NW cor. NW $\frac{1}{4}$ sec. 332, blk. M-6, S. K. & K. sur., 8 $\frac{1}{2}$ miles northeast of Dimmitt.		
Brown sand - - - - -	5	5
White sand - - - - -	4	9
Reddish-white sand - -	2	11
Brown water sand with red stains - - - - -	1	12
November 28, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 265</u>		
Bed of dry lake, <u>J. L. Krumm tract</u> , 500 feet east of well 264.		
Gummy black soil - - -	1	1
Sand - - - - -	3	4
Sand and gravel - - - -	6	10
November 28, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 266</u>		
Bed of dry lake, <u>J. L. Krumm tract</u> , 1,200 feet east of well 264.		
Black top soil - - - -	2	2
Sandy brown loam - - -	9	11
Sand - - - - -	10	21
November 28, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 267</u>		
Bed of dry lake, <u>J. L. Krumm tract</u> , 1,200 feet northeast of well 266.		
Black gumbo - - - - -	1	1
Gray sand - - - - -	2	3
Fine-grained sand and rock	2	5
Gray shale and gumbo -	6	11
Water sand - - - - -	2	13
November 28, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 272</u>		
Bed of dry lake, <u>Ester Noble tract</u> , 107 feet west and 1,068 feet north of SE cor. SE $\frac{1}{4}$ sec. 335, blk. M-6, S. K. & K. sur., 7 miles east of Dimmitt.		
White caliche - - - - -	5	5
Sandy light-red loam and gravel - - - - -	30	35
November 17, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 273</u>		
Bed of dry lake, <u>Ester Noble tract</u> , 358 feet south of well 272.		
Brown gummy top soil -	6	6
Reddish-white caliche-	5	11
Sandy red loam with streaks of white caliche --	15	26
Sandy light-red loam-	8	34
November 17, 1938.		

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

	Thickness (feet)	Depth (feet)
<u>Well 274</u>		
Bed of dry lake, Ester Noble tract, 792 feet south of well 272.		
Sandy top soil - - - -	3	3
White caliche - - - -	2	5
Sandy buff-colored loam	5	10
Sandy light-red loam with white streaks - - - -	14	24
Sandy brown loam with white streaks - - - -	4	28
November 17, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 278</u>		
Gentle slope, Woolridge Lumber Co. tract, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 343, blk. M-6, S. K. & K. sur. 5 miles east of Dimmitt.		
Brown surface soil - -	2	2
Fine-grained white chalk	1	3
Pink-colored caliche and soil	14	17
Red loam - - - - -	16	33
Rock - - - - -		33
January 20, 1939		

	Thickness (feet)	Depth (feet)
<u>Well 295</u>		
Edge of dry lake, Mrs. J. T. Wilhelm tract, 300 feet north and 0.3 mile east of SW cor. NW $\frac{1}{4}$ sec. 223, blk. M-6, S. K. & K. sur., 10 $\frac{1}{2}$ miles east of Dimmitt.		
Dark-colored clay - -	5	5
Sandy clay - - - - -	1	6
March 24, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 296</u>		
Bed of dry lake, Mrs. J. F. Wilhelm tract, 200 feet west of well 295.		
Dark-colored clay - -	4	4
Sandy clay - - - - -	21	25
Gummy clay - - - - -	3	28
Sand - - - - -	2	30
March 24, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 297</u>		
Bed of dry lake, Mrs. J. F. Wilhelm tract, 400 feet west of well 295.		
Dark-colored clay - -	5	5
Sandy gray clay - - -	22	27
Gummy clay with red stains	12	39
Sand - - - - -	10	49
March 22, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 298</u>		
Bed of dry lake, Mrs. J. F. Wilhelm tract, 600 feet west of well 295.		
Dark-colored clay - -	5	5
Sandy clay - - - - -	23	28

	Thickness (feet)	Depth (feet)
<u>Well 298--Continued</u>		
Gummy clay - - - - -	16	44
Sand - - - - -	2	46
March 22, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 299</u>		
Bed of dry lake, Mrs. J. F. Wilhelm tract, 800 feet west of well 295.		
Dark-colored clay - - -	4	4
Sandy clay - - - - -	23	27
Gummy clay - - - - -	7	34
Sandy clay with sand streaks - - - - -		40
Sand - - - - -	11	51
March 22, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 300</u>		
Bed of dry lake, Mrs. J. F. Wilhelm tract, 1,000 feet west of well 295.		
Dark-colored clay - - -	4	4
Sandy clay - - - - -	20	24
Gummy clay with red stains	3	27
Sandy clay with sand streaks	5	32
White sand and caliche	6	38
Red sand - - - - -	12	50
March 22, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 301</u>		
Bed of dry lake, Mrs. J. F. Wilhelm tract, 1,200 feet west of well 295.		
Dark-gray clay - - - -	4	4
Sandy clay - - - - -	16	20
Sand - - - - -	3	23
Sand and caliche - - -	9	32
Sand - - - - -	14	46
March 24, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 302</u>		
Edge of dry lake, Mrs. J. F. Wilhelm tract, 1,400 feet west of well 295.		
Dark-colored clay - - -	4	4
Sandy clay - - - - -	13	17
Sand and caliche - - -	8	25
March 24, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 311</u>		
Bed of dry lake, side of county road, 230 feet north and 510 feet east of SW cor. SW $\frac{1}{4}$ sec. 253, blk. M-6, S. K. & K. sur., 10 miles northeast of Dimmitt.		
Black gumbo - - - - -	11	11
Brown gumbo - - - - -	3	14
Sandy iron-gray clay -	8	22
Sand with red stains -	9	31
November 29, 1938.		

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

	Thickness (feet)	Depth (feet)
<u>Well 312</u>		
Bed of dry lake, side of county road, 510 feet west of well 311.		
Black shale and gumbo	10	10
Iron-gray shale and gumbo	5	15
Sandy light-red loam-	3	18
Gray gumbo - - - - -	6	24
Gray and black gumry clay with red stains --	4	28
White sand - - - - -	5	33
November 29, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 313</u>		
Bed of dry lake, side of county road, 250 feet north of SE cor. SE $\frac{1}{4}$ sec. 268, blk, M-6, S. K. & K. sur., 510 feet west of well 312.		
Shale and gumbo- - - -	7	7
Sandy red loam - - - -	11	18
Sandy light-red loam with white streaks- - - - -	13	31
November 29, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 316</u>		
Bottom of draw, C. E. Woods tract, 150 feet west and 0.25 mile north of SE cor. SE $\frac{1}{4}$ sec. 269, blk, M-6, S. K. & K. sur., 11 miles northeast of Dimmitt.		
Brown surface clay- - -	8	8
Sand- - - - -	4	12
Brown clay- - - - -	2	14
Sand- - - - -	6	20
Sand with caliche gravel	6	26
February 8, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 317</u>		
Bottom of draw, C. J. Mapes tract, 0.25 mile north of SW cor. SW $\frac{1}{4}$ sec. 252 blk, M-6, S. K. & K. sur., 150 feet east of well 316.		
Sandy red loam- - - -	8	8
Sandy gray clay- - - -	5	13
Red sand- - - - -	2	15
Sandy clay- - - - -	4	19
Sand- - - - -	9	28
February 8, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 318</u>		
Bottom of draw, C. J. Mapes tract, 200 feet north of well 317.		
Gray clay- - - - -	10	10
Brownish-gray sand- -	18	28
Sand and caliche gravel	2	30
Rock- - - - -		30
February 8, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 319</u>		
Bottom of draw, C. J. Mapes tract, 400 feet north of well 317.		
Brown surface soil	4	4
Sandy gray clay- - - -	5	9
Caliche- - - - -	10	19
Rock- - - - -		19
February 8, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 366</u>		
Bed of dry lake, Geo. H. Bates tract, 525 feet north of SE cor. SE $\frac{1}{4}$ sec. 30, blk. 10-T, T & N. O. R. R. sur., 12 miles southeast of Dimmitt.		
Gray surface soil- - -	2	2
Fine-grained sand- - -	7	9
Light-grayish-tan sand-	8	17
White caliche- - - - -	6	23
Light-brown sand - - - -	3	26
Red sand- - - - -	7	33
December 15, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 367</u>		
Bed of dry lake, Geo. H. Bates tract, 300 feet north of well 366.		
Dark-gray surface clay-	3	3
Red sand- - - - -	7	10
Pinkish-gray clay - - -	9	19
Light-brown sand- - - -	6	25
Rock- - - - -		25
December 15, 1938		

	Thickness (feet)	Depth (feet)
<u>Well 368</u>		
Bed of dry lake, Geo. H. Bates tract, 600 feet north of well 366.		
Dark-gray surface clay-	4	4
Red sand- - - - -	6	10
Fine-grained, light-gray sand - - - - -	4	14
Buff-colored sand-- - -	6	20
Sandy red clay- - - - -	6	26
Greenish-gray clay with red stains - - - - -	3	29
Light-brown sand- - - -	2	31
Red loam- - - - -	5	36
December 15, 1938.		

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

	Thickness (feet)	Depth (feet)
<u>Well 397</u>		
Bed of dry lake, C. G. Hankins tract, 15 feet east and 15 feet north of SW cor. SW $\frac{1}{2}$ sec. 12, blk. S-2, E. L. & R. R. R. R. sur., 17 miles southeast of Dimmitt.		
Dark-gray clay- - - -	2	2
Sandy clay- - - - -	2	4
Sandy white clay- - -	14	18
Sandy tan-colored clay	3	21
Red-brown clay- - - -	2	23
Sandy grayish-tan colored clay- - - - - - -	3	26
January 4, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 398</u>		
Bed of dry lake, C. G. Hankins tract, 450 feet north of well 397.		
Dark-gray clay- - - - -	6	6
Light-brown clay- - - -	5	11
White caliche and clay	3	14
Sandy light-brown clay	5	19
Sandy red loam- - - - -	6	25
Brown clay and caliche	14	39
Pink-colored sand- - - -	2	41
Gray sand- - - - - - -	1	42
January 4, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 399</u>		
Bed of dry lake, C. G. Hankins tract, 900 feet north of well 397.		
Dark-gray clay- - - - -	10	10
Light-brown clay- - - -	10	20
Sandy brown clay- - - -	5	25
Brown clay and sand - -	5	30
Tan-colored sand	5	35
Pink-colored sand	8	43
White sand- - - - - - -	5	48
Loose sand with red strains	6	54
January 5, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 400</u>		
Bed of dry lake, C. G. Hankins tract, 1,200 feet north of well 397.		
Dark-gray clay- - - - -	6	6
Light-brown sand- - - -	2	8
White caliche- - - - -	9	17
Pink caliche- - - - -	2	19
White sand- - - - - - -	6	25
January 5, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 456</u>		
Bed of dry lake, W. Smowse tract, 0.3 mile west and 2,600 feet north of SE cor. SE $\frac{1}{4}$ sec. 33, blk. T, R. W. Thompson sur., 12 $\frac{1}{2}$ miles southwest of Dimmitt.		
Black top soil- - - - -	6	6
Red and white sand- - - -	5	11
Light-red sand- - - - -	2	13
Buff-colored sand - - - -	4	17
Red sand- - - - - - - -	11	28
November 18, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 457</u>		
Bed of dry lake, W. Smowse tract, 510 feet south of well 456.		
Black gumbo soil- - - - -	16	16
Brown sand with yellow stains- - - - - - - - -	6	22
White sand- - - - - - - -	11	33
Yellow sand- - - - - - - -	2	35
White sand- - - - - - - -	5	40
November 18, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 458</u>		
Bed of dry lake, W. Smowse tract, 1,020 feet south of well 456.		
Sandy brown top soil- - -	1	1
Chocolate-brown sand with small gravel- - - - - -	9	10
Light-brown sand- - - - -	8	18
Light-red sand- - - - - -	11	29
Light-brown sand- - - - -	6	35
Brown sand with yellow streaks- - - - - - - - -	3	38
November 18, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 468</u>		
Bed of dry lake, Mrs. E. Herring tract, 25 feet north and 1,400 feet west of SE cor. SE $\frac{1}{2}$ sec. 27, blk. T-4, T. R. Thompson sur., 8 miles southwest of Dimmitt.		
Surface clay- - - - - - -	5	5
Sandy clay- - - - - - - -	18	23
March 17, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 469</u>		
Bed of dry lake, Mrs. E. Herring tract, 200 feet east of well 468.		
Dark-colored clay- - - - -	6	6
Sandy clay- - - - - - - -	19	25
March 17, 1939.		

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

	Thickness (feet)	Depth (feet)
<u>Well 470</u>		
Bed of dry lake, Mrs. E. Herring tract, 400 feet east of well 468.		
Dark-colored clay- - -	7	7
Sandy clay- - - - -	23	30
Sand- - - - -	32 $\frac{1}{2}$	62 $\frac{1}{2}$
March 16, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 471</u>		
Bed of dry lake, Mrs. E. Herring tract, 600 feet east of well 468.		
Dark-colored clay- - -	5	5
Sandy clay- - - - -	26	31
March 17, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 472</u>		
Bed of dry lake, Mrs. E. Herring tract, 800 feet east of well 468.		
Dark-colored clay- - -	4	4
Sandy clay- - - - -	26	30
Sand- - - - -	33	63
March 16, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 473</u>		
Edge of dry lake, Mrs. E. Herring tract, 1,000 feet east of well 468.		
Surface soil- - - - -	3	3
Sand and sandy clay -	20	23
Sand and caliche pebbles	12	35
March 17, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 484</u>		
Edge of dry lake, Mrs. E. Herring tract, 0.1 mile south of NE cor. NE $\frac{1}{4}$ sec. 44, blk. T-4, T. A. Thompson sur., 3 miles southwest of Dimmitt.		
Gray surface clay- - -	3	3
Sandy red loam- - - -	3	6
Caliche- - - - -		6
February 10, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 485</u>		
Bed of dry lake, Mrs. E. Herring tract, 250 feet south of well 484.		
Gray surface clay- - -	5	5
Gray sand- - - - -	9	14
Sandy brown clay - - -	1	15
Sand- - - - -	2	17
Sandy clay with red stains	8	25
Buff-colored sand- - -	21	46
February 10, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 486</u>		
Bed of dry lake, Mrs. E. Herring tract, 500 feet south of well 484.		
Gray surface clay- - -	5	5
Sandy brownish-gray clay	13	18
Sandy clay with red stains	2	20
Sandy clay- - - - -	4	24
Grayish-red sand- - -	21	45
February 13, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 487</u>		
Bed of dry lake, Mrs. E. Herring tract, 750 feet south of well 484.		
Dark gray surface clay- -	6	6
Sandy clay with caliche, pebbles- - - - -	7	13
February 15, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 488</u>		
Edge of dry lake, Mrs. E. Herring tract, 1,000 feet south of well 484.		
Surface soil- - - - -	1	1
Sandy red loam- - - - -	24	25
Caliche- - - - -	3	28
Buff-colored sand- - - -	2	30
February 15, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 489</u>		
Top of ridge, Mrs. Nannio Dougharill tract, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 42, blk. K-13, E. L. & R. R. R. R. sur., 3-3/4 miles south of Dimmitt.		
Brown surface soil- - - -	4	4
Pinkish-white caliche - -	1	5
Sandy red soil and caliche	23	28
Rock- - - - -		28
January 11, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 491</u>		
Roy G. Smith tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 38, blk. K-13, E. L. & R. R. R. R. sur., 4 $\frac{1}{2}$ miles south of Dimmitt.		
Dark-colored surface soil	2	2
Fine-grained pink-colored caliche- - - - -	7	9
Red loam- - - - -	15	24
Rock- - - - -		24
January 18, 1939.		

Logs of U. P. A. test wells in Castro County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 494</u>		
Gentle slope, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 37, blk. V-13, E. L. & R. R. R. R. sur., 6 miles south of Dimmitt.		
Dark-colored surface soil	3	3
Light-pink-colored soil and caliche - - - - -	6	9
Red loam - - - - -	6	15
Rock - - - - -		15
January 18, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 496</u>		
Edge of dry lake, Colin Walton tract, 430 feet south and 500 feet west of NE cor. NW $\frac{1}{4}$ sec. 3, blk. K-13, 5 $\frac{1}{2}$ miles southeast of Dimmitt.		
Gummy gray clay - - -	5	5
Gummy light-brown clay	15	20
Sandy grayish-brown clay	10	30
Brown clay - - - - -	4	34
December 10, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 497</u>		
Edge of dry lake, Colin Walton tract, 400 feet north of well 496.		
Red loam - - - - -	2	2
Gray clay - - - - -	4	6
Brown clay - - - - -	6	12
Light-colored sand - -	4	16
Sandy tan-colored clay	1	17
Chalky caliche - - - -	5	22
Red clay and caliche -	3	25
December 10, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 501</u>		
Bed of dry lake, Emily F. Weeks tract, 265 feet east and 1,300 feet north of SW cor. SE $\frac{1}{4}$ sec. 9, blk. K-13, E. L. & R. R. R. R. sur., 11 $\frac{1}{2}$ miles south of Dimmitt.		
Dark-colored clay - - -	2	2
Fine-grained sand - - -	3	5
Caliche - - - - -	4	9
Pink-colored sand - - -	8	17
March 2, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 502</u>		
Bed of dry lake, Emily F. Weeks tract, 250 feet south of well 501.		
Dark-colored clay - - -	4	4
Sandy clay - - - - -	9	13
Rock - - - - -		13
March 2, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 503</u>		
Bed of dry lake, Emily F. Weeks tract, 500 feet south of well 501.		
Dark-colored clay - - -	7	7

	Thickness (feet)	Depth (feet)
<u>Well 503--Continued</u>		
Sandy clay - - - - -	11	18
Rod and white sand - -	18	36
March 2, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 504</u>		
Bed of dry lake, Emily F. Weeks tract, 750 feet south of well 501.		
Dark-colored clay - - -	7	7
Sandy clay - - - - -	21	28
Yellow sand - - - - -	2	30
Gray sand - - - - -	8	38
February 28, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 505</u>		
Bed of dry lake, Emily F. Weeks tract, 1,000 feet south of well 501.		
Dark-colored clay - - -	4	4
Sandy clay - - - - -	26	30
Sand - - - - -	7	37
March 2, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 506</u>		
Bed of dry lake, Emily F. Weeks tract, 1,250 feet south of well 501.		
Dark-gray surface clay -	2	2
Sandy brown clay - - -	15	17
Sand - - - - -	22	39
March 2, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 507</u>		
Edge of dry lake, W. F. Griffin tract, 250 feet south of well 506, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 10, blk. K-13, E. L. & R. R. R. R. sur., 11 $\frac{1}{2}$ miles south of Dimmitt.		
Sandy clay - - - - -	5	5
Caliche - - - - -	3	8
Sand - - - - -	6	14
March 2, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 509</u>		
Edge of dry lake, W. W. & J. C. Gilbreath tract, 0.1 mile west and 0.2 mile south of NE cor. Ne $\frac{1}{4}$ sec. 31, blk. K-13, E. L. & R. R. R. R. sur., 11 $\frac{1}{2}$ miles south of Dimmitt.		
Surface soil - - - - -	1	1
Sandy red loam - - - -	5	6
Sandy clay with caliche streaks - - - - -	13 $\frac{1}{2}$	19 $\frac{1}{2}$
Caliche - - - - -		19 $\frac{1}{2}$
March 7, 1939.		

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

	Thickness (feet)	Depth (feet)
<u>Well 510</u>		
Bed of dry lake, <u>W. W. & J. C. Gilbreath</u> tract, 200 feet west of well 509.		
Dark-colored surface clay	3	3
Sandy clay- - - - -	15	18
Caliche- - - - -	5	23
Sand- - - - -	23	46
March 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 511</u>		
Bed of dry lake, <u>W. W. & J. C. Gilbreath</u> tract, 400 feet west of well 509.		
Dark-colored clay- - -	4	4
Sandy clay- - - - -	23	27
Sand- - - - -	18	45
March 4, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 512</u>		
Bed of dry lake, <u>W. W. & J. C. Gilbreath</u> tract, 600 feet west of well 509.		
Dark-colored clay- - -	4	4
Sandy clay- - - - -	28	32
Sand- - - - -	12	44
March 2, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 513</u>		
Bed of dry lake, <u>W. W. & J. C. Gilbreath</u> tract, 800 feet west of well 509.		
Dark-colored clay- - -	6	6
Sandy clay- - - - -	30	36
Sand- - - - -	9	45
March 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 514</u>		
Bed of dry lake, <u>W. W. & J. C. Gilbreath</u> tract, 1,000 feet west of well 509.		
Dark-colored clay- - -	6	6
Sandy clay- - - - -	19	25
Sand- - - - -	19	44
March 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 515</u>		
Bed of dry lake, <u>W. W. & J. C. Gilbreath</u> tract, 1,200 feet west of well 509.		
Dark-colored clay- - -	6	6
Sandy clay- - - - -	14	20
Sand- - - - -	25	45
March 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 516</u>		
Bed of dry lake, <u>C. H. Bowden</u> tract, 10 feet east and 350 feet north of SW cor. SW $\frac{1}{4}$ sec. 32, blk. K-13, E. L. & R. R. R. sur., 10 $\frac{1}{2}$ miles south of Dimmitt.		
Sandy gray clay- - - -	5	5

	Thickness (feet)	Depth (feet)
<u>Well 516--Continued</u>		
Chalk and clay- - - - -	17	22
Red clay- - - - -	1	23
Sandy light-tan-colored clay- - - - -	2	25
Caliche and sand- - - -	1	26
December 9, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 517</u>		
Bed of dry lake, <u>C. H. Bowden</u> tract, 450 feet north of well 516.		
Dark-gray clay- - - - -	3	3
Sandy light-brown clay-	8	11
Chalky clay- - - - -	5	16
Light-brown clay- - - -	4	20
Red loam- - - - -	2	22
Chalk and clay- - - - -	10	32
Light-brown sand- - - -	9	41
December 9, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 518</u>		
Bed of dry lake, <u>Mrs. Irene Sharp</u> tract, 20 feet east and 0.25 mile north of SW cor. SW $\frac{1}{4}$ sec. 33, blk. K-13, E. L. & R. R. R. sur., 9 $\frac{1}{2}$ miles south of Dimmitt.		
Sandy red loam- - - - -	8	8
Sandy brown clay- - - -	3	11
Light-gray sand- - - - -	2	13
Gummy red loam- - - - -	9	22
December 22, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 519</u>		
Bed of dry lake, <u>Mrs. Irene Sharp</u> tract, 300 feet north of well 518.		
Dark-gray clay- - - - -	3	3
Brown clay- - - - -	5	8
Sandy light-colored clay	3	11
Red clay- - - - -	4	15
Gummy gray clay- - - - -	6	21
December 22, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 520</u>		
Bed of dry lake, <u>Mrs. Irene Sharp</u> tract, 600 feet north of well 518.		
Dark-gray surface clay-	2	2
Brown clay- - - - -	5	7
Fine-grained gray sand-	3	10
Sandy brown clay with red stains- - - - -	8	18
Red clay- - - - -	5	23
Sandy gray clay- - - - -	1	24
White caliche and clay-	1	25
December 22, 1938.		

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

	Thickness (feet)	Depth (feet)
<u>Well 532</u>		
Bed of dry lake, Mrs. E. Herring tract, 700 feet south of NW cor. SW $\frac{1}{4}$ sec. 35, blk. T-4, T. A. Thompson sur., 11 miles south of Dimmitt.		
Gray surface clay- - -	3	3
Sandy brown clay - - -	3	6
Caliche with sand and clay- - - - - - -	5	11
Fine-grained chalky sand	9	20
Fine-grained sand- - -	10	30
February 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 533</u>		
Bed of dry lake, Mrs. E. Herring tract, 300 feet north of well 532.		
Dark-gray surface clay	5	5
Sandy brown clay- - -	3	8
Very fine-grained sand	3	11
Sandy clay- - - - -	3	14
Caliche- - - - - - -	3	17
Sandy brown clay and caliche- - - - -	6	23
Brown sand with clay binder- - - - - - -	12	35
February 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 534</u>		
Bed of dry lake, Mrs. E. Herring tract, 600 feet north of well 532.		
Dark-gray surface clay	7	7
Sandy and fine-grained sand	20	27
Fine-sand with clay binder	11	38
February 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 535</u>		
Bed of dry lake, Mrs. E. Herring tract, 900 feet north of well 532.		
Dark-gray surface clay	7	7
Sandy brown clay- - -	9	16
Greenish-gray clay	4	20
Sandy red clay- - - -	14	34
Gray sand- - - - - -	6	40
Moist fine-grained gray, red and yellow sand	8	48
February 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 536</u>		
Bed of dry lake, Mrs. E. Herring tract, 1,200 feet north of well 532.		
Dark-gray surface clay	3	3
Sandy red loam- - - -	5	8
Sandy clay with streaks of fine-grained sand-	16	24
Fine grained gray sand	22	46
February 1, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 537</u>		
Edge of dry lake, Mrs. E. Herring tract, 1,500 feet north of well 532.		
Red loam- - - - - - -	4	4
Sandy red clay- - - -	5	9
Fine-grained gray sand	30	39
February 1, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 552</u>		
Near draw, Mrs. Rosa McLean tract, 0.3 mile south and 0.3 mile east of NW cor. NW $\frac{1}{4}$ sec. 19, blk. O-4, D. & S. E. R. R. sur., 13 miles southwest of Dimmitt.		
Sandy brown top soil-	6	6
Sand and gravel- - - -	10	16
Water sand- - - - - -	2	18
November 30, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 553</u>		
Near draw, Mrs. Rosa McLean tract, 510 feet south of well 552.		
Sandy brown top soil- -	7	7
Sandy gray loam- - - -	6	13
Sand and gravel- - - -	6	19
Red sand- - - - - - -	7	26
November 30, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 554</u>		
Near draw, Mrs. Rosa McLean tract, 1,020 feet south of well 552.		
Red sand- - - - - - -	9	9
White sand- - - - - -	2	11
Rock- - - - - - - - -		11
November 30, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 583</u>		
In draw, W. M. Myers tract, 20 feet west and 1,025 feet north of SE cor. SE $\frac{1}{4}$ sec. 12, blk. 1, H. E. Halsell subdivision, 14 miles south of Dimmitt.		
Brown surface soil- - -	5	5
Fine-grained gray sand and silt- - - - - - -	2	7
Fine-grained sand with red stains- - - - - -	4	11
Pink sand- - - - - - -	4	15
December 22, 1938.		

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

		Thickness	Depth			Thickness	Depth
		(feet)	(feet)			(feet)	(feet)
<u>Well 584</u>				<u>Well 585</u>			
In draw, W. M. Myers tract, 200 foot south of well 583.				In draw, W. M. Myers tract, 500 foot south of well 583.			
Gray surface clay- - -		1	1	Dark-brown surface soil		3	3
Sandy brown loam- - -		2	3	Brown loam- - - - -		4	7
Gray sand- - - - -		3	6	Fine-grained gray sand-		5	12
Pink sand- - - - -		6	12	Pink-colored sand- - -		2	14
December 22, 1938.				December 22, 1938.			

Partial analyses of water from wells in Castro County, Texas

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

Well c/	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Cal- cium (Ca)	Magne- sium (Mg)	Sodium and Potassium (Na / K) (calc.)	Bicar- bonate (HCO ₃)	Sul- phate (SO ₄)	Chlo- ride (Cl)	Ni- trate (NO ₃)	Fluor- ide (F)	Total hardness as CaCO ₃ (calc.)
5	Mrs. Alice Monday	140	Dec. 8, 1938	260	46	33	4	214	23	24	-	4.7	250
14	J. N. Benson	91	Dec. 14, 1938	262	--	-	-	250	18	20	b/	-	-
23	W. P. A. test	17	Feb. 23, 1939	320	109	11	-	305	41	9	b/	-	317
51	do.	18	Dec. 16, 1938	141	39	12	-	153	9	5	-	0	148
60	-- Stevens	75	Nov. 16, 1938	373	53	11	76	311	25	27	28	-	177
68	W. P. A. test	30	Dec. 8, 1938	-	-	-	-	-	20	6	b/	-	-
71	-	22	Nov. 16, 1938	446	34	57	58	403	26	40	30	3.3	320
86	E. S. Ireland	73	Jan. 30, 1939	311	-	-	-	262	37	28	b/	-	-
87	W. P. A. test	36	Nov. 16, 1938	153	-	-	-	159	9	20	b/	3.4	-
93	Finis Hunter	57	do.	294	47	45	2	281	32	23	b/	2.9	303
95	W. A. Hunter	60	do.	372	62	46	16	323	45	41	b/	3.0	344
98	-	-	Nov. 21, 1938	104	32	6	-	98	11	10	-	0.6	101
113	J. S. Smith	100	Feb. 7, 1939	248	53	28	3	244	26	18	b/	-	247
124	W. T. Cox	78	Dec. 14, 1938	277	56	40	-	305	15	11	-	4.8	305
132	N. H. Flory	95	Dec. 8, 1938	353	-	-	-	342	27	22	b/	-	-
137	H. G. Behrends	130	Feb. 15, 1939	275	-	-	-	256	26	18	b/	-	-
139	A. Taylor	172	Dec. 19, 1938	206	38	18	17	201	20	13	b/	1.4	171
144	Judge -- Buck Est.	192	Feb. 9, 1939	265	52	22	22	281	20	11	b/	-	219
145	-	163	Nov. 26, 1938	268	56	32	4	305	12	8	-	0.2	270
153	J. W. Godfrey	115	Feb. 22, 1939	323	52	47	2	262	52	41	b/	-	324
164	Mrs. J. C. Montgomery	137	Jan. 30, 1939	329	-	-	-	293	41	20	b/	-	-
168	G. C. Johnson	165	Dec. 15, 1938	276	-	-	-	262	24	17	b/	-	-
174	Mrs. G.B.Hackleman	165	Dec. 6, 1938	212	48	24	-	220	23	7	b/	-	220
183	Mrs. W. A. Murphy	178	Feb. 6, 1939	272	-	-	-	256	26	16	b/	-	-
199	J. T. Smith	174	Feb. 15, 1939	301	-	-	-	293	24	17	b/	-	301
209	W. P. A. test	8	Dec. 21, 1938	428	124	26	4	451	47	5	b/	-	416
212	Mrs. Lottie Lust	183	Dec. 10, 1938	214	56	17	4	232	12	9	-	1.3	210
213	E. R. Rothwell	240	Jan. 21, 1939	264	54	30	8	293	16	11	b/	1.2	258
251	F. J. Hiltbrunner	455	Mar. 30, 1939	1,322	35	4	456	433	336	270	b/	2.8	102

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligrams equivalents per liter on page 60.

Partial analyses of water from wells in Castro County--Continued

Results are in parts per million.

Well #	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Cal- cium (Ca)	Magne- sium (Mg)	Sodium and Potassium (Na + K (calc.))	Bicar- bonate (HCO ₃)	Sul- phate (SO ₄)	Chlo- ride (Cl)	Ni- trate (NO ₃)	Fluor- ide (F)	Total hardness as CaCO ₃ (calc.)
258	Callie Robertson	380	Jan. 19, 1939	1,823	52	14	600	281	477	540	b/	1.9	189
259	E. L. Davis	198	do.	237	36	14	38	232	18	17	b/	-	149
260	E. W. Kinney	179	Nov. 28, 1938	250	65	19	5	244	20	19	b/	1.8	242
261	Mrs. Clarence Byrnes	400	Jan. 30, 1939	1,122	11	1	423	445	210	255	b/	2.6	30
262	Mrs. R. W. Gilliam	75	do.	263	60	20	17	299	11	6	b/	1.5	233
263	V. L. Krumm	55	Nov. 28, 1938	220	-	-	-	232	11	6	b/	-	-
264	W. P. A. test	12	do.	176	44	18	-	207	9	2	-	-	186
265	do.	10	do.	168	51	11	-	189	9	2	-	0.8	172
266	do.	21	do.	302	-	-	-	354	7	1	b/	-	-
271	J. P. Sharp	138	Nov. 17, 1938	240	48	33	-	256	16	12	-	2.8	255
277	D. J. Woolridge	170	Jan. 19, 1939	307	57	34	10	256	57	23	b/	-	281
280	J. A. Acker	176	Feb. 10, 1939	279	-	-	-	256	28	19	b/	-	-
282	Frank Annen	150	Mar. 8, 1939	274	56	33	2	262	30	24	b/	-	275
291	Casper Schmucker	156	Mar. 6, 1939	291	-	-	-	244	22	38	b/	-	-
298	W. P. A. test	46	Mar. 22, 1939	281	-	-	-	317	9	5	b/	-	-
303	Mrs. J. F. Wilhelm	137	Jan. 20, 1939	498	64	38	76	409	49	70	b/	-	319
321	Arney Public School	171 1/2	Feb. 8, 1939	254	34	17	43	256	22	12	b/	-	156
322	Frank Davis	175	Jan. 19, 1939	256	-	-	-	244	24	12	b/	1.6	-
354	-- Tomlinson	150	Mar. 2, 1939	274	57	27	12	275	25	16	b/	1.5	252
355	Ed. Brockman	155	Dec. 15, 1938	263	68	24	-	226	22	34	-	1.9	270
356	Miller Est.	152	Mar. 6, 1939	294	-	-	-	268	30	20	b/	-	-
370	-	153	Dec. 15, 1938	250	-	-	-	232	17	23	b/	-	-
375	J. C. Powell	123	Feb. 14, 1939	346	66	39	9	262	49	52	b/	1.9	324
378	Perry Graham	122	Feb. 24, 1939	263	-	-	-	256	20	16	b/	-	-
380	Mrs. Mary Caldwell	81	do.	326	57	35	16	262	52	37	b/	-	287
382	W. F. Griffin	80	do.	275	-	-	-	256	24	20	b/	-	-
383	G. J. Abbott	37	Feb. 14, 1939	273	50	34	9	275	24	19	b/	2.8	266
389	-	85	do.	286	63	28	7	256	28	34	b/	-	272
405	Fred Hamm	80	Dec. 12, 1938	423	70	58	4	281	65	84	b/	2.9	416
451	Will Graef	123	Jan. 21, 1939	193	49	19	-	189	15	15	b/	2.1	202
459	C. C. English	120	Dec. 21, 1938	356	56	49	8	262	60	50	-	2.6	340
460	W. C. Coswell	121	Nov. 30, 1938	268	-	-	-	250	30	13	b/	-	-
467	Mrs. E. Herring	116	Mar. 15, 1939	315	59	41	-	259	50	30	b/	1.4	316

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligrams equivalents per liter on page 60.

Partial analyses of water from wells in Castro County--Continued
Results are in parts per million.

Well c/	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Cal- cium (Ca)	Magne- sium (Mg)	Sodium and Potassium (Na / K (calc.)	Bica- bonate (HCO ₃)	Sul- phate (SO ₄)	Chlo- ride (Cl)	Ni- trate (NO ₃)	Fluor- ide (F)	Total hardness as CaCO ₃ (calc.)
479	C. T. Herring Est.	140	Feb. 1, 1939	265	56	24	13	281	23	11	b/	-	240
492	Ray G. Smith	120	Jan. 12, 1939	250	-	-	-	244	22	12	b/	-	-
499	J. B. Turner	101	Feb. 24, 1939	362	74	32	17	287	52	38	b/	1.6	315
504	W. P. A. test	38	Feb. 28, 1939	302	64	33	7	299	28	20	b/	2.8	295
513	do.	45	Mar. 6, 1939	312	-	-	-	275	26	32	b/	-	-
521	J. R. Harris	100	Jan. 18, 1939	284	50	38	7	305	26	10	b/	3.0	284
523	Mrs. Irene Sharp	91	Nov. 25, 1938	221	36	32	3	195	30	20	-	2.3	220
527	W. B. Cole	85	Jan. 25, 1939	282	-	-	-	275	26	13	b/	-	-
535	W. P. A. test	48	Feb. 6, 1939	338	83	11	28	275	41	22	b/	-	252
549	C. T. Herring Est.	116	Nov. 18, 1938	293	62	32	-	214	54	32	-	1.8	285
551	Mrs. Rosa McLean	38	do.	284	-	-	-	305	14	9	b/	-	-
552	W. P. A. test	18	Nov. 30, 1938	256	78	7	-	201	10	2	60	-	225
561	L. H. Welch	118	Jan. 24, 1939	221	-	-	-	220	16	12	b/	-	-
562	Sam Lyman	126	Nov. 18, 1938	244	-	-	-	244	17	13	b/	1.5	-
566	Otis Branscum	99	Mar. 15, 1939	261	55	35	-	250	25	21	b/	1.6	282
567	Orbin Newell	98	Jan. 18, 1939	241	48	23	13	232	25	18	b/	-	214
568	Earnest Jones	106	Dec. 22, 1938	233	-	-	-	232	15	14	b/	-	-
570	G. E. Keller	122	Jan. 18, 1939	241	52	26	5	244	19	19	b/	-	236
574	L. E. Davanay	110	Nov. 30, 1938	232	44	26	6	189	30	23	-	1.1	216
576	Gentry Armstrong	109	Dec. 22, 1938	270	54	34	-	226	25	39	-	2.1	276
578	S. E. Wallace	96	Jan. 18, 1939	281	-	-	-	256	27	21	b/	-	-

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligrams equivalents per liter on page 60.

Chemical analyses--Continued

Results are in milligrams 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.)
23	W. P. A. test	17	Feb. 23, 1939	6.34	5.44	.90	-	5.00	0.86	0.25	-	-	12.45
113	J. S. Smith	100	Feb. 7, 1939	4.94	2.64	2.30	0.11	4.00	0.54	0.51	-	-	10.10
139	A. Taylor	172	Dec. 19, 1938	3.42	1.92	1.50	0.74	3.30	0.42	0.37	.07	-	8.32
144	Judge Buck Est.	192	Feb. 9, 1939	4.38	2.58	1.80	0.95	4.60	0.42	0.31	-	-	10.66
174	Mrs. G. B. Hackleman	165	Dec. 6, 1938	4.40	2.40	2.00	-	3.60	0.48	0.20	-	.03	8.71
212	Mrs. Lottie Lust	183	Dec. 10, 1938	4.20	2.80	1.40	0.19	3.80	0.25	0.25	.07	.02	8.78
213	E. R. Rothwell	240	Jan. 21, 1939	5.16	2.72	2.44	0.34	4.80	0.33	0.31	.06	-	11.00
251	F. J. Hiltbrunner	435	Mar. 30, 1939	2.04	1.74	0.30	19.82	7.10	7.00	7.61	.15	-	43.72
258	Callie Robertscn	380	Jan. 19, 1939	3.78	2.60	1.18	26.09	4.60	9.94	15.23	.10	-	59.74
261	Mrs. Clarence Byrnes	400	Jan. 30, 1939	0.60	0.54	0.06	18.40	7.30	4.37	7.19	.14	-	38.00
271	U. P. Sharp	138	Nov. 17, 1938	5.10	2.40	2.70	-	4.20	0.33	0.34	.15	.04	10.16
282	Frank Annen	150	Mar. 8, 1939	5.50	2.80	2.70	0.10	4.30	0.62	0.68	-	-	11.20
303	Mrs. J. F. Wilhelm	137	Jan. 20, 1939	6.38	3.22	3.16	3.30	6.70	1.01	1.97	-	-	19.36
321	Arney Public School	169	Feb. 8, 1939	3.12	1.72	1.40	1.88	4.20	0.46	0.34	-	-	10.00
405	Fred Hamm	80	Dec. 12, 1938	8.32	3.52	4.80	0.16	4.60	1.35	2.37	.15	.01	16.96
451	Will Graef	123	Jan. 21, 1939	4.04	2.46	1.58	-	3.10	0.31	0.42	.11	-	7.98
499	J. B. Turner	101	Feb. 24, 1939	6.30	3.70	2.60	0.73	4.70	1.09	1.07	.08	.09	14.06
549	C. T. Herring Est.	116	Nov. 18, 1938	5.70	3.10	2.60	0.02	3.50	1.13	0.90	.09	.10	11.44
566	Otis Bronscum	99	Mar. 15, 1939	5.64	2.74	2.90	-	4.10	0.52	0.59	.08	-	10.93
567	Orbin Newell	98	Jan. 18, 1939	4.28	2.40	1.88	0.55	3.80	0.52	0.51	-	-	9.66
570	G. E. Keller	122	do.	4.72	2.62	2.10	0.21	4.00	0.39	0.54	-	-	9.86
576	Gentry Armstrong	109	Dec. 22, 1938	5.52	2.72	2.80	0.01	3.70	0.52	1.10	.11	.08	11.03

MAP OF CASTRO COUNTY, TEXAS

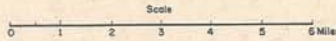
SHOWING LOCATIONS OF WATER WELLS LISTED

LLOYD J. RYMAN
PROJECT SUPERINTENDENT
W. P. A. PROJECT 12205

FIELD WORK BY
W. L. BROADHURST, J. W. LANG, L. J. RYMAN

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

- EXPLANATION —
- WELL WITH HAND PUMP, BUCKET OR BAILER
 - ◇ WELL WITH WINDMILL OR SMALL POWER PUMP
 - WELL WITH PUMPING PLANT—5 HORSE POWER OR LARGER
 - ◇ UNUSED WELL
 - TEST WELL DRILLED BY W.P.A. LABOR
 - ◊ LAKE OR EARTHEN TANK
 - SINK



BASE COMPILED FROM
LAND OWNERSHIP MAP
AND FIELD NOTES

