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MARTIN COUNTY, TEXAS

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

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WORKS PROGRESS ADMINISTRATION

GROUND WATER SURVEY

PROJECT 4536

Joe W. Lang

Project Superintendent

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Analyses made, map prepared, data
assembled, and report mimeographed by

WORKS PROGRESS ADMINISTRATION

PROJECT 6909

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Sponsored by the State Board of Water Engineers with
the Bureau of Industrial Chemistry of The University
of Texas, and the U. S. Geological Survey cooperating.

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Austin, Texas

Dec. 15, 1936.

MARTIN COUNTY, TEXAS

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Introduction

by

Samuel F. Turner

Associate Hydraulic Engineer

U. S. Geological Survey

The purpose of this survey was to obtain information concerning existing wells and springs and the quantity and quality of water they yield, and put down test holes where additional information was needed.

This project was part of a statewide Works Progress Administration project known as a "Statewide Inventory of Water Wells," sponsored by the State Board of Water Engineers. The Division of Ground Water of the U. S. Geological Survey cooperated in the technical direction of the project and the Bureau of Industrial Chemistry of The University of Texas furnished laboratory space and equipment and supervised the chemical analyses.

The analyses were made by chemists employed on Works Progress Administration Project 6909 at Austin, Texas, sponsored by the State Planning Board and by the State Board of Water Engineers. This release was typed and assembled by typists and draftsmen employed on this project.

The field work in Martin County was started on December 16, 1935, and completed in July, 1936. This work was done as Project 4536 of District 18 of the Works Progress Administration, Big Spring, Texas. Joe W. Lang, a geologist, was project superintendent. Mr. Lang should be given credit for his great interest in the work and for the many extra hours he spent on the project. The office of the Works Progress Administration in the Big Spring District made this work possible by their constant help and cooperation.

This release contains the well and spring records and well logs obtained by the project superintendent, logs of the test holes drilled by the W. P. A. labor, and the chemical analyses of water from privately owned wells and springs. Locations of all wells and springs listed are shown on the folded map in the back of the release.

The test wells were drilled by W. P. A. labor using a soil auger, drop auger, churn drill, and a sand bucket. Samples were collected at one foot intervals by the well driller in charge of the party. The project superintendent studied these samples and compiled the logs.

Records of wells in Martin County, Texas

(All wells are bored or drilled unless otherwise noted in the remarks column)

No.	Distance from Goldsmith School	Section or Labor	League or Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
e/1	4 miles northwest	28, SE. $\frac{1}{4}$ SE. $\frac{1}{4}$	Univ. Blk. 6	W.P.A. test well	Joe W. Lang	1936	18	3	--
2	4 $\frac{1}{4}$ miles northwest	28, NE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	State University	W.R.Skeen	1936	87	--	0.5
3	4 miles northwest	9, NW. $\frac{1}{4}$ NW. $\frac{1}{2}$	J.H. O'Brian	H.J. Stephenson	--	--	54	--	1.0
4	3 miles northwest	25, NE. $\frac{1}{4}$ NE. $\frac{1}{2}$	265 Kent Co.	A.B. Crider	--	--	61	--	0
5	4 $\frac{1}{2}$ miles northwest	7, NE. $\frac{1}{4}$ NE. $\frac{1}{2}$	264 Kent Co.	Frank Doering	--	1925	75	--	0.5
6	3 $\frac{1}{2}$ miles north	16, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	263 Kent Co.	L.Carroll	--	1924	52	--	0.5
e/7	2 $\frac{1}{2}$ miles north	24, NW. corner	do.	W.P.A. test well	Joe W. Lang	1936	24	3	--
e/8	4 miles north	13, SE. corner	do.	do.	do.	1936	24	3	--
9	4 $\frac{1}{2}$ miles north	3, SW. $\frac{1}{4}$ SW. $\frac{1}{2}$	262 Borden Co.	W.S.Green	--	1928	45	--	1.0
10	3 $\frac{3}{4}$ miles northeast	1, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$	259 Borden Co.	J.M. Carruth	--	1926	56	--	--
11	5 $\frac{1}{2}$ miles northeast	20, NW. $\frac{1}{4}$ NW. $\frac{1}{2}$	do.	R.T. Hightower	--	1925	94	--	0.5
12	5 $\frac{1}{2}$ miles northeast	16, NW. $\frac{1}{4}$ NW. $\frac{1}{2}$	262 Borden Co.	D.E. Fuller	--	1924	98	--	0.5
13	6 $\frac{1}{2}$ miles northeast	1, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	260 Borden Co.	J.C. Carrel	--	1930	95	--	0.5
14	7 miles northeast	10, NE. $\frac{1}{4}$ NE. $\frac{1}{2}$	do.	Lloyd Carr	--	1924	93	--	0.5
e/15	7 $\frac{1}{2}$ miles northeast	6, SE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	W.P.A. test well	Joe W. Lang	1936	14	3	--
e/16	do.	15, SW. corner	do.	do.	do.	1936	4	3	--
17	8 miles northeast	20, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	C.Painter	--	1926	54	--	0.5
e/18	8 $\frac{1}{2}$ miles northeast	21, N. Line cen.	do.	W.P.A. test well	Joe W. Lang	1936	8	3	--
19	9 miles northeast	25, SE. $\frac{1}{4}$ SE. $\frac{1}{2}$	261 Borden Co.	J.O. Goodson	S. Helm	1935	64	6	0.4
20	8 miles east	18, NE. $\frac{1}{4}$ NE. $\frac{1}{2}$	260 Borden Co.	G.W. Teague	C.E.Helm	1935	59	8	0.5
21	8 $\frac{1}{2}$ miles east	25, NE. $\frac{1}{4}$ NE. $\frac{1}{2}$	do.	do.	D.Bolton	1930	158	5	1.6
e/22	7 miles east	6, SE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	W.P.A. test well	Joe W. Lang	1936	6	3	--
23	6 miles east	5, SW. $\frac{1}{4}$ SW. $\frac{1}{2}$	do.	J.H.Burk	- Helm	1934	97	--	1.0

a/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

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

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

Records obtained by Joe W. Lang, Project Superintendent
(Chemical analyses of water from these wells are in the table of analyses)

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measure- ment.			
1	--	June 26, 1936	None	N	
2	55.5	June 2, 1936	None	N	New well not in use. Alum taste.
3	46.9	do.	C,W	S	Reported ample supply.
4	46.9	do.	C,"	S	--
5	70.2	do.	C,W	S	Plentiful supply. Unfit for domestic use
6	38.4	do.	C,W	D,S	Plentiful supply.
7	--	do.	None	N	
8	--	do.	None	N	
9	32.5	May 14, 1936	C,W	D,S	Reported good quality water.
10	51.5	do.	C,W	D,S	Do.
11	84.8	do.	C,W	D,S,I	Reported strong supply. Garden irrigated.
12	90.7	do.	C,"	D,S	Reported good quality.
13	81.4	do.	C,W	D,S,I	Reported very large supply. 1/4 acre garden irrigated.
14	83.2	do.	C,W	D,S,	Weak well.
15	--	do.	None	N	
16	--	do.	do.	N	
17	48.6	do.	C,W	D,S	
18	--	--	None	N	
19	47.8	May 12, 1936	C,W	D,S,I	Irrigate a few trees. Dry hole, 800 feet north, was drilled to red clay at 65 feet.
20	52.2	May 7, 1936	None	N	New well not yet in use.
21	--	do.	C,W	S	Salty taste unfit for domestic use.
22	--	June 3, 1936	None	N	
23	89.4	May 14, 1936	C,W	D,S	Reported capacity of 3 barrels a day.

e/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County, Continued

No.	Distance from Goldsmith School	Section or Labor	League or Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground(ft.) ^{a/}
e/24	5 miles east	16, SW. $\frac{1}{4}$ S. $\frac{1}{4}$	259 Borden Co.	W.P.A. test well	J.W.Lang	1936	26'	3	--
25	4 $\frac{3}{4}$ miles east	14, NE. $\frac{1}{4}$ NE. $\frac{1}{2}$	do.	N.L. Park	--	1924	140	--	0.5
e/26	3 $\frac{1}{2}$ miles northeast	3, NW. $\frac{1}{4}$ NW. $\frac{1}{2}$	do.	W.P.A. test well	J.W.Lang	1936	14	3	--
27	1 $\frac{1}{2}$ miles northeast	NE. $\frac{1}{4}$ SW. $\frac{1}{4}$	258 Briscoe Co.	do.	do.	1936	19	3	0
e/28	At Goldsmith School	SE. $\frac{1}{4}$ SE. $\frac{1}{4}$	257 Briscoe Co.	do.	do.	1936	17	3	--
29	$\frac{1}{2}$ mile south	do.	do.	Mrs. Dora Roberts	--	1924	55	--	0.5
30	1 $\frac{1}{2}$ miles southwest	9, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	256 Briscoe Co.	Dora Roberts	Birge-Forbes	1929	75	--	1.5
31	2 $\frac{1}{2}$ miles southwest	8, SE. $\frac{1}{4}$ SE. $\frac{1}{4}$	J.H. O'Brian	J.S. Little	--	1924	81	--	0.3
32	3 $\frac{1}{2}$ miles west	1, SW. $\frac{1}{4}$ NE. $\frac{1}{4}$	Univ. Blk. 7	State University	--	1905	--	--	0.5
33	4 $\frac{1}{2}$ miles south	SE. $\frac{1}{4}$ NW. $\frac{1}{4}$	249 Hartley Co.	Mrs. O.B. Holt	--	--	72	--	1.0
e/34	4 $\frac{1}{2}$ miles south	do.	do.	W.P.A. test well	J.W.Lang	1936	17	3	--
35	5 $\frac{1}{2}$ miles south	SE. $\frac{1}{4}$ SW. $\frac{1}{4}$	250 Hartley Co.	Juliette Wolcott	--	1936	100'	8	2.5
36	6 miles southeast	NW. $\frac{1}{4}$ S. $\frac{1}{4}$	250 Ward Co.	Mrs. Ida Wolcott	--	1936	250	8	1.0
37	7 $\frac{1}{2}$ miles southeast	S. $\frac{1}{4}$ NW. $\frac{1}{4}$	252 Ward Co.	do.	--	1936	280	8	1.0
38	8 miles east	SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	253 Ward Co.	W.C. Rollow	--	1926	150	6	0.5
39	11 miles southeast	NE. $\frac{1}{4}$ SE. $\frac{1}{4}$	245 Dickens Co.	W.L. Woodward	--	1930	72	6	0.5
40	9 miles southeast	SE. $\frac{1}{4}$ NE. $\frac{1}{4}$	246 Wheeler Co.	Dick Knox	--	1928	87	--	1.0
41	7 $\frac{1}{2}$ miles south	do.	247 Hartley Co.	Edith W. Hyatt	--	1927	142	--	0.5
42	8 $\frac{1}{2}$ miles south	SW. $\frac{1}{4}$ S. $\frac{1}{4}$	248 Hartley Co.	Mrs. O.B. Holt	--	--	49	--	1.0
43	do.	Gen. SW. $\frac{1}{4}$	318 Parmer Co.	do.	W.M.Skeen	1936	54	--	0.5
44	7 miles south	NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	do.	--	--	110	8	3.0
45	7 $\frac{1}{2}$ miles southwest	NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	do.	W.M.Skeen	1936	54	6	0.5

a/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

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

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

Joe W. Lang, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point	Date of measure- ment.			
24	--	May 21, 1936	None	N	
25	125.9	do.	C,W	D,S,I	Irrigates garden. Well 0.8 mile west found bad water at 90 feet and was aband- oned.
26	--	--	None	N	
27	13.8	June 4, 1936	None	N	
28	--	--	None	N	
29	46.0	June 4, 1936	C,W	D,S	Drawdown 2 feet after pumping 8 gallons a minute for 3 hours.
30	55.3	May 21, 1936	C,W	D,S	Reported very large supply. 0.7 feet drawdown in 20 minutes at 4 gallons a minute.
31	61.1	June 4, 1936	C,W	D,S	Plentiful supply. Drawdown 1.3 feet after pumping 5 gallons a minute for 5 hours.
32	54.0	June 2, 1936	C,W	D,S	Very large supply reported.
33	63.4	June 5, 1936	C,W	S	
34	--	--	None	N	
35	69.3	--	C,W	S	Ample supply.
36	118.1	--	C,W	S	Reported 4 foot drawdown after pumping 10 gallons a minute for 2 hours.
37	122	--	C,W	D,S	Large supply reported.
38	96.5	June 3, 1936	C,W	D,S	Do.
39	59.0	May 7, 1936	None	N	Well located on top of escarpment.
40	76.3	May 19, 1936	C,W	S	Waters large number of cattle. Drawdown 2.8 feet pumping 5 gallons a minute for 35 minutes.
41	65.3	June 18, 1936	C,W	D,S	Plugged oil test. Water flowing 3 feet above surface reported at 600 feet. Draw- down 17 feet in 30 minutes pumping 8 gallons a minute.
42	32.4	June 5, 1936	C,W	D,S	Drawdown 8.1 feet in 30 minutes pumping 6 gallons a minute.
43	29.2	June 10, 1936	C,W	S	Ample supply.
44	72.1	June 5, 1936	C,W	S	Do.
45	35.3	June 10, 1936	C,W	S	Drawdown 9.1 feet in 35 minutes. Pumping 5 gallons a minute.

e/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Goldsmith School	Section or Labor	League or Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
46	9 miles southwest	40, NE. $\frac{1}{2}$ NW. $\frac{1}{4}$	Univ. Blk. 7	F.A. Bird	--	Old	59	6	1.0
47	10 miles southwest	16, SE. $\frac{1}{4}$ NW. $\frac{1}{4}$	T. 3 N. Blk. 39	J.E. Mabee	--	1932	71	--	0.5
No.	Distance from Ackerly	Section or Labor	League or Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
101	15 $\frac{1}{2}$ miles west	43, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	T. 4 N. Blk. 36	J.B. McNew	--	1928	126	10	1.2
102	14 $\frac{1}{2}$ miles west	44, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	S.N. Teague	--	1930	107	5	--
103	14 $\frac{1}{2}$ miles west	41, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	W.W. Lewis	--	1926	135	5	1.5
e/104	14 miles west	45, SW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	R.F. Self	--	1925	160	5	2.0
e/105	do.	4, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	T. 3 E. Blk. 36	W.P.A. test well	Joe W. Lang	1936	14	3	--
e/106	12 miles west	47, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	T. 4 N. Blk. 36	Dora Roberts	A.R. Yates	1915	160	6	1.5
107	11 $\frac{1}{2}$ miles west	38, SE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	E.R. Yates	--	1928	160	6	1.4
e/108	12 miles west	2, NW. corner	T. 3 N. Blk. 36	W.P.A. test well	Joe W. Lang	1936	15	3	--
109	10 miles west	83, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	Bauer & Cockrell	Loyola School	--	1926	60	6	0.5
110	10 miles west	1, NE. $\frac{1}{4}$ SE. $\frac{1}{4}$	T. 3 N. Blk. 36	S.A. Lawson	H. Duke	1924	57	--	9.5
e/111	do.	6, NW. corner	do.	W.P.A. test well	Joe W. Lang	1936	20	3	--
112	10 $\frac{1}{2}$ miles west	48, NE. $\frac{1}{4}$ SE. $\frac{1}{4}$	T. 4 N. Blk. 36	J.W. Ezell	--	--	100 ^{b/}	--	0.5
113	9 miles west	44, SW. $\frac{1}{4}$ NW. $\frac{1}{4}$	T. 4 N. Blk. 35	C.C. Koger	--	1920	23	--	C.C.
114	7 $\frac{1}{2}$ miles west	39, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	R.D. Simpson	--	1924	86	6	0.4
115	9 miles west	8, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	T. 3 N. Blk. 35	C.C. Slaughter	--	Old	35	6	0.0
116	10 miles west	7, SW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	W.F. Bertram	--	1925	33	--	1.0
e/117	8 miles west	8, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	C.C. Slaughter	Humble Oil Co.	1925	4,335	16	--
118	7 miles west	16, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	W.E. Carnrike	--	1928	136	6	0.5

a/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

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

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

Joe W. Lang, Project Superintendent

No.	Water Level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Remarks
	Depth below measuring point (feet)	Date of measurement.			
46	33.9	June 5, 1936	C, W	D, S	Drawdown 2.6 feet pumping 6 gallons a minute for 30 minutes.
47	37.6	June 11, 1936	C, W	S	Drawdown 3.3 feet in 30 minutes with pumping estimated at 10 gallons a minute.
No.	Water Level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Remarks
	Depth below measuring point (feet)	Date of measurement.			
101	69.24	May 12, 1936	C, W	D, S, I	Irrigates garden. Water has milky color.
102	60.77	do.	C, W	D, S, I	Never pumped dry. Irrigates small orchard.
103	97.12	do.	C, W	D, S, I	Large supply. Irrigates garden. Turns soil white.
104	65.7	do.	None	N	
105	--	--	None	N	
106	67.0	May 12, 1936	None	N	Has watered 400-500 head of cattle.
107	88.6	do.	C, W	D, S	Tested with tractor pumping 30 gallons a minute and could not pump dry.
108	--	--	None	N	
109	53.0	May 8, 1936	C, W	P	Adequate for school use.
110	47.1	May 11, 1936	C, W	D, S	Reported 10 feet of water sand.
111	--	--	None	N	
112	52.2	May 11, 1936	C, W	D, S	Drawdown 1 foot after pumping 20 minutes at $2\frac{1}{2}$ gallons a minute.
113	19.1	May 8, 1936	C, W	B	Two wells 15 feet apart pumped with one windmill by use of walking beam. Drawdown 0.8 feet after pumping 20 minutes at $3\frac{1}{2}$ gallons a minute.
114	75.2	do.	C, W	S	
115	22.5	do.	None	N	Well 75 feet away was pumping while water level was measured.
116	43.8	May 11, 1936	C, W	D, S, I	Irrigates garden.
117	--	--	None	N	Oil test well. See log.
118	122.6	May 11, 1936	C, W	D, S	Drilled into red clay with first water cased off.

e/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Ackerly	Section or Labor	League or Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
119	7 miles west	16, NE. $\frac{1}{4}$ NE. $\frac{1}{2}$	T. 3 N. Blk. 35	W.E. Carnrike	--	1923	36	--	1.0
e/120	6 miles west	14, N. W. corner	do.	W.P.A. test well	Joe W. Lang	1936	17	3	--
121	5 miles west	11, SE. $\frac{1}{4}$ NE. $\frac{1}{2}$	do.	H.E. Russell	--	1928	71	--	0.8
122	5 $\frac{1}{2}$ miles west	2, NE. $\frac{1}{4}$ SE. $\frac{1}{2}$	do.	C.C. Koger	--	--	52	--	0.5
123	4 $\frac{1}{2}$ miles west	12, SE. $\frac{1}{4}$ SW. $\frac{1}{2}$	do.	W.P.A. test well	--	1936	23	3	0
124	4 miles west	13, NE. $\frac{1}{4}$ NE. $\frac{1}{2}$	do.	H.E. Russell	--	1920	55	--	0.5
125	do.	19, NE. $\frac{1}{4}$ NE. $\frac{1}{2}$	T. 3 N. Blk. 34	J.P. Nichols	--	--	23	--	3.5
e/126	do.	do.	do.	do.	--	--	27	--	0
127	3 miles west	8, SW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	Geo. Burns	--	1928	97	6	0.5
128	2 $\frac{3}{4}$ miles southwest	20, NE. $\frac{1}{4}$ SW. $\frac{1}{2}$	do.	Sweetwater Cotton Oil Co.	--	1931	56	6	2.5
129	1 $\frac{1}{2}$ miles west	16, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	Chas. Logsdon	- Murdock	1936	120	7	1.0
e/130	1 $\frac{1}{2}$ miles west	16, NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	do.	--	--	97	--	--
131	In Ackerly	10, SE. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	A. Ruggles	- Murdock	1935	130	6	1.0
132	1 $\frac{1}{4}$ miles east	13, NW. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	R. Chilton	--	1920	124	--	0.3
133	1 $\frac{1}{2}$ Miles south	22, Center NE. $\frac{1}{4}$	do.	A.D. Brown	- Murdock	1934	114	6	0
134	3 miles southeast	26, SE. $\frac{1}{4}$ NE. $\frac{1}{2}$	do.	C.W. Johnson	--	1928	120	6	0
135	3 $\frac{1}{2}$ miles south	24, NE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	S.J. Smith	--	1930	132	--	0.5
136	4 miles south	29, NE. $\frac{1}{4}$ SW. $\frac{1}{2}$	do.	R.L. Stafford	--	1930	36	--	2.0
137	4 $\frac{1}{2}$ miles southwest	24, NE. $\frac{1}{4}$ NE. $\frac{1}{2}$	do.	D.L. Latham	--	1924	81	6	2.5
e/138	6 miles southwest	25, NW. corner	T. 3 N. Blk. 35	W.P.A. test well	Joe W. Lang	1936	20	3	--
139	10 miles west	18, SW. $\frac{1}{4}$ SW. $\frac{1}{2}$	do.	Geo. W. Lee	--	1935	48	--	0.2
140	10 $\frac{1}{2}$ miles west	82, Cen. E. $\frac{1}{2}$	Bauer and Cockrell	C.C. Slaughter	--	1930	60	--	0
e/141	15 miles west	6, NE. $\frac{1}{4}$ NE. $\frac{1}{2}$	T. 3 N. Blk. 36	W.P.A. test well	Joe W. Lang	1936	8	3	--

^{a/} Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

^{b/} T, turbine; Cf, centrifugal; C, cylinder; B, bucket or bailer; E, electric; G, gasoline engine; W, windmill; H, hand; number indicates horsepower.

^{c/} I, irrigation; P, public; D, domestic; S, stock; N, not used.

Joe W. Lang, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement.			
119	30.6	May 11, 1936	--	N	Reported bad quality, salty taste.
120	--	--	None	N	
121	47.4	May 11, 1936	C,W	D,S	Good quality reported.
122	43.2	do.	C,W	D,S	Do.
123	20.1	Apr. 29, 1936	None	N	
124	52.6	do.	--	N	Windmill 15 feet east was pumping 3 gallons a minute at time of measurement.
125	23.9	do.	B,H	D,S	Dug well with plank curbing in a sink or "dry lake". See drillers' logs.
126	22.7	do.	B,H	D,S,I	Dug well, located in sink. Irrigates small garden.
127	71.8	Apr. 27, 1936	C,W	D,S	Water level rises slowly after well is pumped down.
128	31.9	Apr. 29, 1936	C,W	S	
129	83.4	Apr. 28, 1936	C,W	D,S,I	Plentiful supply of water. Irrigates small garden.
130	90.2	do.	None	N	
131	107.4	do.	C,W	D,S	Driller reported red clay at 125 feet. Well can be pumped dry with windmill.
132	120.2	do.	C,W	D,S	Not strong but has adequate supply.
133	92.8	do.	C,W	D,S,I	Well irrigates small garden. Driller reported water worn Cretaceous fossils at 100 feet and red clay at bottom of hole.
134	97.9	Apr. 27, 1936	C,W	D,S,I	Well fills slowly after being pumped down.
135	127.6	Apr. 29, 1936	C,W	D,S	Not much water. A dry well, 97 feet deep was found 600 feet southeast of this well. Driller's cuttings at surface indicated red beds.
136	36.9	do.	C,W	D,S	Well dug at edge of dry lake.
137	75.4	do.	C,W	D,S	Cased with 81 feet of galvanized iron casing, perforated at bottom.
138	--	--	None	N	
139	35.3	May 11, 1936	C,W	D,S,I	Irrigates garden. Adequate for present use. Another well in Sulphur Draw, 1½ miles east, is reported salty.
140	57.2	do.	C,W	D,S	
141	--	--	None	N	

e/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Ackerly	Section or Labor	League or Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
e/142	16 miles west	6, NW $\frac{1}{4}$ NW $\frac{1}{4}$	T. 3 N. Blk. 36	W.P.A. test well	Joe W. Lang	1936	14	3	--
143	15 miles west	6, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	M.L. Burrus	--	1927	55	4	1.5
144	15 $\frac{1}{2}$ miles west	10, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	J.M. McCurry	--	1924	75	6	0
e/145	12 miles west	77, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	C. C. Slaughter	Phillips Pet. Co.	1928	4,440	20	--
146	16 miles west	14, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Hale Brothers	--	1926	76	--	1.0
147	11 miles southwest	74, SE $\frac{1}{4}$ SE $\frac{1}{4}$	Bauer and Cockrell	C. C. Slaughter	--	1930	15	--	1.0
148	do.	69, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Ellis Everts	Ellis Everts	Old	6	3	3.2
149	10 miles southwest	87, NW corner	do.	W.P.A. test well	Joe W. Lang	1936	12	3	0
150	7 miles southwest	33, SE $\frac{1}{4}$ NE $\frac{1}{4}$	T. 3 N. Blk. 35	C. L. Gaultney	--	--	40	--	4.0
e/151	do.	34, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	W.P.A. test well	Joe W. Lang	1936	23	3	--
152	5 $\frac{1}{2}$ miles southwest	35, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	W.L.Reese	--	1920	49	5	2.5
153	5 miles south	32, SW $\frac{1}{4}$ SW $\frac{1}{4}$	T. 3 N. Blk. 34	T. S. Currie	W.Nichols	1932	55	--	1.5
154	4 $\frac{1}{2}$ miles south	40, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	J. M. Johnson	--	1934	57	--	3.5
155	5 $\frac{1}{2}$ miles south	44, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	R. E. Carrol	--	--	75	--	1.0
156	4 $\frac{1}{2}$ miles south	38, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	W.P.A. test well	Joe W. Lang	1938	22	3	--
e/157	5 miles south	47, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Lee McGuire	--	--	55	8	4.0
158	do.	do.	do.	do.	--	1926	49	5	1.0
159	5 $\frac{1}{2}$ miles south	46, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	P. E. Forrester	--	--	26	--	0
e/160	6 miles south	46, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	--	1935	36	--	0
161	do.	do.	do.	do.	- Morrow	1926	54	6	1.0
162	7 $\frac{1}{2}$ miles south	10, NW $\frac{1}{4}$ NW $\frac{1}{4}$	T. 2 N. Blk. 34	J. P. Nichols	J. P. Nichols	--	34	--	2.3
163	7 miles south	5, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	A.B.Brown	A.B.Brown	1914	73	--	0.5

a/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

e/ T, turbine; Cf, centrifugal; C, cylinder; B, bucket or bailer; E, electric; G, gasoline engine; W, windmill; H, hand; number indicates horsepower.

e/ I, irrigation; P, public; D, domestic; S, stock; N, not used.

Joe W. Lang, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measure- ment.			
142	--	--	None	N	
143	45.0	May 13, 1936	None	N	Cuttings on ground indicated well was drilled into micaceous red clay.
144	53.7	do.	C,W	D,S	Well fills slowly after being pumped down. Drawdown 18.7 feet after 6 hours pumping 2 gallons a minute.
145	--	--	None	N	Oil test well. See log.
146	52.3	May 13, 1936	C,W	D,S	Well drilled on edge of escarpment but has strong supply.
147	9.6	May 4, 1936	C,W	S	Drawdown 0.4 feet after pumping 6 hours at 6 gallons a minute. 2 similar wells located within 200 feet pump into same earth reservoir.
148	5.7	do.	C,W	S	Dug well in bottom of Sulphur Draw.
149	9.8	July 14, 1936	None	N	
150	40.4	Apr. 23, 1936	C,W	D,S	Dug well. Not much water.
151	--	--	None	N	
152	44.5	Apr. 24, 1936	C,W	D,S	Drilled in bottom of small dry lake. Drawdown 1.8 feet in two hours at 2 gallons a minute. Three similar wells within 300 feet.
153	52.2	Apr. 29, 1936	C,W	D,S	Went dry in 1934 during dry season. Well dug into red clay at edge of dry lake.
154	59.6	Apr. 24, 1936	C,W	D,S	Fills slowly after being pumped down. Dug well with concrete curb and basin in red clay at bottom.
155	75.2	do.	None	N	Very little water. See table of logs.
156	19.9	Apr. 29, 1936	None	N	
157	31.7	Apr. 24, 1936	C,W	S	Pumping about 1 gallon a minute when water level was measured.
158	24.0	do.	None	N	Water level reported constant.
159	23.8	Apr. 20, 1936	C,W	D,S	
160	35.3	do.	C,W	D,S	
161	52.2	do.	C,W	D,S	Weak supply. Drilled into red clay.
162	29.7	Apr. 22, 1936	C,W	D,S	Weak supply. 3 similar wells in bottom of dry lake within 1000 feet. No good wells outside of lake bottom.
163	66.5	Apr. 20, 1936	C,W	D,S	Dug well with wooden curbing. Dug into red clay at bottom.

e/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Ackerly	Section or Labor	League or Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{c/}
164	7½ miles south	64, SE.¼ SE.¼	Brauer and Cockrell	A.B.Brown	P.O. Hughes	1936	86	--	0.5
165	8 miles southeast	66, NE.¼ NE.¼	do.	Adeline Zihlman	--	1950	77	--	1.2
166	8½ miles southwest	38, NW.¼ SW.¼	T. 3 N. Blk. 35	W.P.A. test well	Joe W. Long	1936	19	3	--
e/167	9 miles southwest	42, NE.¼ NE.¼	do.	do.	do.	1936	44	3	--
e/168	do.	66, SW. corner	Brauer and Cockrell	do.	do.	1936	21	3	--
169	11 miles southwest	40, SW.¼ NE.¼	T. 3 N. Blk. 35	do.	do.	1936	14	3	0
170	do.	do.	do.	do.	do.	1936	13	3	0
171	do.	40, NW.¼ SW.¼	do.	C.F.Scars	--	1935	20	--	--
172	12 miles southwest	29, SW.¼ NW.¼	T. 3 N. Blk. 36	do.	--	Old	22	--	1.0
c/173	do.	do.	do.	do.	--	--	26	--	1.0
173a	do.	do.	do.	do.	--	--	Spring	--	0
174	do.	do.	do.	do.	--	1922	39	--	0.5
c/175	do.	29, NE.¼ NW.¼	do.	W.P.A. test well	Joe W. Long	1936	15	3	--
e/176	13 miles southwest	28, NW.¼ NW.¼	do.	do.	do.	1936	10	3	--
177	do.	20, NW.¼ SW.¼	do.	Ellis Everts	--	1920	39	--	1.0
178	16 miles southwest	23, SW.¼ NE.¼	do.	E. E. Hatchett	--	--	96	--	0.5
179	14½ miles southwest	4, NE. corner	do.	T. D. Everts	--	1931	50	--	0.5
180	13 miles southwest	2, NW. corner	T. 2 N. Blk. 36	J.L.McNew	--	--	57	--	--
e/181	do.	do.	do.	do.	--	Old	45	6	1.5
e/182	14 miles southwest	3, SE.¼ NE.¼	do.	W.P.A. test well	Joe W. Long	1936	17	3	--
e/183	12½ miles southwest	12, NE.¼ NE.¼	do.	do.	do.	1936	20	3	--
184	11½ miles southwest	3, NW. corner	T. 2 N. Blk. 35	D. Rumsey	--	--	40	--	0.3

c/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

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a/ I, irrigation; P, public; D, domestic; S, stock; N, not used.

Joe W. Lang, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement.			
164	82.0	Apr. 20, 1936	C, W	D, S	Used for cotton gin. Salt and soda taste. Drilled into red clay at bottom.
165	77.7	Apr. 23, 1936	C, W	D, S	Dug well with brick curbing. Small supply but never fails. Dug into red clay at bottom.
166	--	--	None	N	
167	--	--	None	N	
168	--	--	None	N	
169	10.9	June 9, 1936	None	N	
170	7.3	do.	None	N	
171	16.6	June 8, 1936	C, W	S	Fair quality reported.
172	9.7	May 4, 1936	--	N	Not used at present.
173	9.2	do.	C, W	D, S	Drawdown 5.8 feet pumping 5 gallons a minute for 1 hour.
173a	Flows	do.	None	S	"Sulphur Springs". Estimated flow at 10 gallons a minute during very dry season.
174	20.3	do.	C, W	D, S	Strong supply reported.
175	--	--	None	N	
176	--	--	None	N	
177	28.9	May 4, 1936	C, W	D, S	Good quality reported but test wells about 1 mile north found bad water.
178	60.6	May 7, 1936	C, W	D	Weak well on slope of escarpment. Slush pit shows red clay.
179	39.6	May 8, 1936	C, W	S	Waters 200 head of range cattle. 1 foot draw-down pumping 3 gallons a minute. Driller tested capacity as 11 gallons a minute.
180	48.7	May 4, 1936	C, W	D, S	Water level measured while pumping 3 gallons a minute. Well has been tested at 15 gallons a minute without pumping dry. Wells 180 and 181 together have irrigated 2 acre truck patch.
181	45.1	do.	None	N	Test wells to red beds $\frac{1}{2}$ mile east and 1 mile south were dry.
182	--	--	None	N	
183	--	--	None	N	
184	35.6	June 8, 1936	C, W	D, S	

e/ No water sample collected for analysis.

f/ water level reported.

Records of wells in Martin County--Continued

No.	Distance from Ackerly	Section or Labor	League or Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
185	12 miles southwest	3, SE. $\frac{1}{4}$ SW. $\frac{1}{4}$	T. 2 N. Blk. 35	F. T. Sanders	--	1925	48	--	0
e/186	do.	4, NW. corner	do.	W.P.A. test well	Joe W. Lang	1936	14	3	--
187	do.	4, NE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	Leroy Echols	--	1926	61	6	1.0
188	10 $\frac{1}{2}$ miles south	60, S7. $\frac{1}{4}$ SW. $\frac{1}{4}$	Bruer and Cockrell	S. F. Goolsby	--	1933	23	--	4.0
e/189	11 miles south	7, NW. corner	T. 2 N. Blk. 35	W.P.A. test well	Joe W. Lang	1936	10	3	--
190	8 $\frac{1}{2}$ miles south	57, NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	Bruer and Cockrell	J.D. Castle	Lee Castle	old	62	--	2.3
191	9 $\frac{1}{2}$ miles south	56, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	Lizzie Gist	--	1935	51	--	0
e/192	14 $\frac{1}{2}$ miles southwest	10, SE. $\frac{1}{4}$ SE. $\frac{1}{2}$	T. 2 N. Blk. 36	W.P.A. test well	Joe W. Lang	1936	21	3	--
193	16 miles southwest	8, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	Bert Wristen	--	old	169	5	0.5
194	16 $\frac{1}{2}$ miles southwest	16, S7. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	B.L. Autry	--	1921	94	--	0.5
195	17 miles southwest	18, NE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	G.T. Hall	--	1931	107	6	0
No.	Distance from Stanton	Section or Labor	League or Survey	Owner	Driller	Date completed.	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
e/201	15 miles northwest	20, SW. corner	T. 2 N. Blk. 36	W.P.A. test well	Joe W. Lang	1936	10	3	--
202	do.	21, SE. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	C. R. Martin	--	1928	105	6	0.3
e/203	15 miles north	24, SW. corner	do.	W.P.A. test well	Joe W. Lang	1936	23	3	--
204	do.	11, S7. corner	T. 2 N. Blk. 35	do.	do.	1936	19	3	0
205	15 $\frac{1}{2}$ miles north	11, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	J. H. Thames	A. C. Woodward	1936	40	--	1
c/206	15 miles north	11, SE. corner	do.	W.P.A. test well	Joe W. Lang	1936	14	3	--
e/207	16 miles north	13, NE. corner	do.	do.	do.	1936	11	3	--
208	17 $\frac{1}{2}$ miles north	51, NE. $\frac{1}{4}$ SE. $\frac{1}{4}$	Bruer and Cockrell	J.W. Cock	--	1925?	65	--	0.3
e/209	14 $\frac{1}{2}$ miles north	27, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	T. 2 N. Blk. 36	W.P.A. test well	Joe W. Lang	1936	21	3	--
210	15 miles northwest	29, NE. corner	do.	Chas. Matthews	C. Brothers	1930	115	6	1.5

a/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

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

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

Joe W. Lang, Project Superintendent

No.	Water	Level	Pump and power b/	Use of water c/	Remarks
	Depth below measuring point	Date of measurement.			
185	(feet) 40.9	Apr.23, 1936	C,W	D,S	Well located on side of small dry lake.
186	--	--	None	N	
187	58.7	Apr.23, 1936	C,W	D,S	Supply adequate for domestic use. Water worn Cretaceous fossils in slush pit.
188	22.9	do.	None	N	Dug well with weak supply. During wet seasons water is less salty and is useable.
189	--	--	None	N	See log.
190	59.1	Apr.22, 1936	C,W	D,S	Well located on side of small dry lake. Supply only adequate for present use.
191	48.9	do.	None	N	Dug well with wood curbing.
192	--	--	None	N	
193	125.8	May 1, 1936	C,W	D,S	Very strong supply reported.
194	85.2	do.	C,W	D,S,I	Adequate for present use. Irrigate small garden Drawdown 1.6 feet pumping 2½ gallons a minute for 4 hours.
195	90.4	do.	None	N	Not in use. Red clay reported at bottom of well
No.	Water	Level	Pump and power b/	Use of water c/	Remarks
	Depth below measuring point	Date of measurement.			
201	(feet) --	--	None	N	
202	86.9	Apr.30, 1936	C,W	D,S,I	Irrigates garden. Supply is sufficient for present use.
203	--	--	None	N	
204	15.7	May 4, 1936	None	N	
205	37.3	Apr.30, 1936	C,H	D,S	Drilled with drop auger. Water found in coarse sand.
206	--	--	None	N	
207	--	--	None	N	
208	60.4	Apr.30, 1936	C,W	D,S	Well located in small sink. Adequate but not large Well dug into red clay at bottom.
209	--	--	None	N	
210	84.8	May 1, 1936	C,W	D,S	Supply was small at first but has increased and is now adequate for present use.

e/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Stanton	Section or Labor	League or Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
211	13 miles north	32, SE. corner	T. 2 N. Blk. 36	I.H. Beene	Clark Brothers	1924	125	--	0.5
212	13 $\frac{1}{2}$ miles north	33, NE. corner	do.	Martin County Water Supply District 1		1935	112	6	0
e/213	do.	22, NW. corner	T. 2 N. Blk. 35	W.F.A. test well	Joe W. Lang	1936	14	3	--
214	14 miles north	24, NW. corner	do.	do.	do.	1936	19	3	0
e/215	13 $\frac{1}{2}$ miles north	24, SW. corner	do.	do.	do.	1936	15	3	--
216	14 miles northeast	26, SW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	R. A. Cox	--	1930	22	--	1.5
217	15 $\frac{1}{2}$ miles northeast	44, SE. $\frac{1}{4}$ NE. $\frac{1}{4}$	T. 2 N. Blk. 34	Earl Bryant	Earl Bryant	--	55	--	2
218	16 miles north	43, NE. $\frac{1}{4}$ SE. $\frac{1}{4}$	Bauer & Cockrell	J. R. White	--	1930	76	6	0.5
219	14 miles north	36, SE. corner	do.	S. H. Henderson	S. H. Henderson	1935	44	--	0.5
219a	13 miles north	28, SW. $\frac{1}{4}$	T. 2 N. Blk. 35	1st Nat'l Bank	--	--	Salt lake	--	--
e/220	do.	32, NW corner	do.	W.F.A. test well	Joe W. Lang	1936	20	3	--
e/220a	do.	30, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	do.	do.	1936	14	3	--
e/221	12 miles north	38, SE. corner	T. 2 N. Blk. 36	do.	do.	1936	12	3	--
222	11 $\frac{1}{2}$ miles north	38, SE. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	W. O. Jones	--	1921	60	--	0.5
223	12 $\frac{1}{2}$ miles north	39, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	Martin County Water Supply District 1		--	108	6	0.5
224	do.	40, NE. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	P. K. Jones	--	1926	99	--	0.5
e/225	12 miles north	40, SW. corner	do.	W.F.A. test well	Joe W. Lang	1936	10	3	--
226	13 miles north	41, NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	John Epley	C. Brothers	1936	110	--	0.5
e/227	13 $\frac{1}{2}$ miles northwest	42, NW. corner	do.	W.F.A. test well	Joe W. Lang	1936	5	3	--
228	12 miles northwest	43, SW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	Roy Quattlebaum	C. Brothers	1931	84	6	1.0
229	do.	43, NW. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	John Epley	--	--	87	--	1.0
230	11 $\frac{1}{2}$ miles north	45, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	J. N. Poe	--	1915	98	--	0.5
231	do.	46, NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	do.	W. L. Hopper	1915	80	--	0.5

a/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

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

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

Joe W. Lang, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point	Date of measurement.			
211	(feet) 83.0	Apr. 8, 1936	C,W	D,S	Reported that 12 horsepower tractor with pump-jack has pumped 25-50 gallons a minute without exhausting well.
212	83.1	do.	--	--	Weak supply at 66 feet and fair supply at 96 feet. Tested 15 gallons a minute with bailer.
213	--	--	None	N	
214	15.1	Apr. 20, 1936	None	N	
215	--	--	None	N	
216	21.7	Apr. 30, 1936	None	N	Dug well with wooden curbing.
217	47.7	Apr. 15, 1936	None	N	Do.
218	67.1	Apr. 22, 1936	None	N	Water was of fair quality when first drilled but gradually became bad.
219	40.7	do.	None	N	Weak supply and salty taste.
219a	--	July 16, 1936	--	--	Water from salt lake.
220	--	--	None	N	
220a	--	--	None	N	In bottom of lake.
221	--	--	None	N	
222	52.6	Apr. 13, 1936	C,W	D,S	Reported weak well.
223	106.6	Apr. 8, 1936	None	N	Did not furnish adequate supply.
224	89.4	do.	None	N	
225	--	--	None	N	
226	89.3	Apr. 8, 1936	C,W	D,S	Adequate supply reported.
227	--	--	None	N	
228	73.0	Mar. 23, 1936	C,W	D,S	Drawdown 4.6 feet in 2 hours pumping 3 gallons a minute.
229	64.7	do.	C,W	S	Drawdown 3 feet in 2 hours at 6 gallons a minute. Reported 1000 head of cattle watered without exhausting well.
230	89.0	Apr. 7, 1936	C,W	D,S	Reported strong and permanent supply.
231	72.2	do.	C,W	D,S	Do.

c/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Stanton	Section or Labor	League or Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
232	11 miles north	46, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	T. 2 N. Blk. 36	W. E. Thraillkill	C. Brothers	1932	93	6	0.4
233	10 $\frac{1}{2}$ miles north	48, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	George Cathey	George Cathey	1928	39	--	0.5
234	11 $\frac{1}{2}$ miles north	33, SW. $\frac{1}{4}$ NW. $\frac{1}{4}$	T. 2 N. Blk. 35	Amicable Life Ins.	--	--	42	--	2.0
e/235	13 miles north	36, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	W. F. A. test well	Joe W. Lang	1936	23	3	--
236	12 miles north	1, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$	T. 1 N. Blk. 35	do.	do.	1936	13	3	0
237	10 miles north	1, SE. $\frac{1}{4}$ SW. $\frac{1}{4}$	T. 1 N. Blk. 36	Norton Properties	--	--	76	--	0.5
e/238	do.	3, SW. corner	do.	W. P. A. test well	Joe W. Lang	1936	12	3	--
239	11 miles north	3, NW. corner	do.	W. G. Greenhaw	--	1926	112	--	1.0
240	10 miles north	4, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	T. P. Johnson	--	1928	100 $\frac{1}{2}$	--	0.5
241	11 miles northwest	1, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	T. 1 N. Blk. 37	E. B. Dickenson	--	1926	100 $\frac{1}{2}$	8	2.0
242	11 $\frac{1}{2}$ miles northwest	1, SE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	M. Henson	C. Brothers	1926	105	6	0.5
243	do.	1, SE. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	Robert Henson	do.	1924	100	6	1.0
244	12 $\frac{1}{2}$ miles northwest	2, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	John Epley	do.	1928	86	--	0
e/245	12 miles northwest	2, SW. corner	do.	W. P. A. test well	Joe W. Lang	1936	21	3	--
e/246	14 miles northwest	7, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	do.	do.	1936	9	3	--
247	13 $\frac{1}{2}$ miles northwest	7, SE. corner	do.	E. B. Dickenson	--	--	74	--	2
248	12 miles northwest	1, NE. $\frac{1}{4}$ SW. $\frac{1}{4}$	T. 1 N. Blk. 37	do.	--	1905	63	--	1.0
e/249	10 miles northwest	7, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$	T. 1 N. Blk. 36	W. F. A. test well	Joe W. Lang	1936	21	3	--
e/250	10 miles north	9, NW. corner	do.	do.	do.	1936	5	3	--
251	9 $\frac{1}{2}$ miles north	10, SW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	F. W. Herrington	--	1920	82	--	0
252	do.	11, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	U. E. Butler	McKandless	1924	93	6	0.5
253	10 $\frac{1}{2}$ miles north	10, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	T. 1 N. Blk. 35	J. W. Meek	H. E. Querin	1935	58	8	2.5
254	do.	10, center of SE. $\frac{1}{4}$	do.	H. E. Querin	--	1930	52	6	--

a/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

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

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

Joe W. Lang, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measure- ment.			
232	79.2	Apr. 16, 1936	C, V	D, S	Reported strong and permanent supply.
233	29.8	Apr. 7, 1936	C, V	D, S	Unused well, 0.4 mile north. Well measured 60 feet deep and 41.7 feet to water below curb.
234	41.9	Apr. 13, 1936	C, V	D, S	Very weak well. Red clay at bottom of well. Dug well.
235	--	--	None	N	
236	7.5	Apr. 15, 1936	None	N	
237	49.3	Apr. 7, 1936	C, V	S	Located on side of small draw and dry lake. Strong supply.
238	--	--	None	N	
239	98.4	Apr. 7, 1936	C, V	D, S, I	Irrigates garden. Strong supply.
240	88.1	Mar. 23, 1936	C, V	D, S	
241	82.2	do.	C, V	S	Very strong supply. Water level again measured on July 9, 1936, as 82.34 feet.
242	80.4	do.	C, V	D, S, I	Garden irrigated. Strong supply.
243	76.7	Mar. 26, 1936	C, V	D, S	Strong supply.
244	69.4	do.	C, V	S	Drawdown, 15.3 feet, pumping 3 gallons a minute for 4 hours. Re-measured July 9, 1936, as 69.6 feet to water.
245	--	--	None	N	
246	--	--	None	N	
247	55.3	Mar. 25, 1936	C, V	S	Drawdown, 6.6 feet after pumping 3 gallons a minute for 6 hours.
248	45.3	Apr. 10, 1936	C, V	D, S, I	Irrigates garden. Reported strong supply.
249	--	--	None	N	
250	--	--	None	N	
251	74.8	Apr. 7, 1936	C, V	D, S	Strong well.
252	78.2	do.	C, V	D, S, I	Irrigates garden. Very large supply.
253	41.1	Apr. 15, 1936	None	N	Well finished in quicksand and gravel.
254	49.9	Jan. 17, 1936	None	N	Permanent but weak supply.

e/ No water sample collected for analysis.

i/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Stanton	Section or Labor	League or Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
255	11 miles northeast	12, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	T. 1 N. Blk. 35	W. P. A. test well	Joe W. Lang	1936	10	3	0
256	12 miles northeast	3, NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	T. 1 N. Blk. 34	Geo. White	Geo. White	--	31	--	0
257	10 $\frac{1}{2}$ miles northeast	14, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	T. 1 N. Blk. 35	Witt Hines	Witt Hines	--	44	--	0.7
258	8 $\frac{1}{2}$ miles north	18, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	Earl Powell	C. Brothers	--	58	--	0.4
e/259	9 miles north	15, SW. $\frac{1}{4}$ NW. $\frac{1}{4}$	T. 1 N. Blk. 36	W. P. A. test well	Joe W. Lang	1936	18	3	--
260	8 $\frac{1}{2}$ miles north	do.	do.	H. W. Fulton	--	1930	110	6	0.5
261	8 $\frac{1}{2}$ miles northwest	17, SE. corner	do.	A. C. Eidson	--	61a	125	--	0
262	13 miles northwest	17, NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	T. 1 N. Blk. 37	E. B. Dickenson	--	--	48	--	1.5
p/263	do.	19, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	26	3	--
264	11 $\frac{1}{2}$ miles west	20, NE. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	E. B. Dickenson	--	--	91	--	3.0
265	11 $\frac{1}{2}$ miles northwest	21, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	do.	--	1938	47	--	1.0
e/266	9 miles northwest	24, NE. corner	do.	W. P. A. test well	Joe W. Lang	1936	6	3	--
267	7 $\frac{1}{2}$ miles northwest	20, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	T. 1 N. Blk. 36	B. R. Parker	M. C. Brothers	1923	74	--	0.5
268	7 miles north	24, SE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	Earl B. Powell	--	--	56	6	1
p/269	8 $\frac{1}{2}$ miles northeast	22, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$	T. 1 N. Blk. 35	W. P. A. test well	Joe W. Lang	1936	19	3	--
270	9 $\frac{1}{2}$ miles northeast	Center Sec. 23	do.	C. J. Robinson	--	1932	29	--	0
271	do.	24, SW. corner	do.	B. F. Whitesfield	--	--	36	--	1.5
272	9 $\frac{1}{2}$ miles northeast	25, NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	T. 1 N. Blk. 35	C. S. Anderson	C. S. Anderson	1926	39	--	0
273	do.	25, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	W. E. Ford	W. E. Ford	1935	39	--	0
p/274	9 miles northeast	25, SE. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	W. F. A. test well	Joe W. Lang	1936	12	3	--
p/275	8 miles northeast	27, SE. corner	do.	do.	do.	1936	27	3	--
e/276	do.	27, NW. corner	do.	do.	do.	1936	20	3	--
e/277	7 miles northeast	28, SW. corner	do.	do.	do.	1936	8	3	--
278	7 miles north	28, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	A. Williams	--	--	32	36	2.0

e/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

p/ T, turbine; Cf, centrifugal; C, cylinder; B, bucket or bailer; E, electric, G, gasoline engine; W, windmill; H, hand; number indicates horsepower.

e/ I, irrigation; P, public; D, domestic; S, stock; N, not used.

Joe W. Lang, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point	Date of measure- ment			
255	(feet) 9.5	Apr. 14, 1936	None	N	
256	29.8	do.	C,W	S	Very weak supply.
257	36.8	do.	C,W	S	Dug into red clay at bottom.
258	49.0	Apr. 16, 1936	C,W	D,S	Weak well. Drawdown, 5 feet after pumping 1 gallon a minute for 3 hours.
259	--	--	None	N	
260	81.3	Apr. 7, 1936	C,W	D,S	Strong supply, Unused well, 500 feet south, depth 95 feet, 79.9 feet to water below top of curb.
261	94.8	Apr. 8, 1936	C,W	D,S	Adequate supply reported.
262	18.5	Mar. 25, 1936	C,W	S	Very large supply reported.
263	--	--	None	N	
264	72.5	Mar. 25, 1936	C,W	S	Drawdown, 9 feet after pumping 4 gallons a minute for 4 hours.
265	30.5	Apr. 10, 1936	C,W	S	Very large supply reported.
266	--	--	None	N	
267	53.5	Apr. 8, 1936	C,W	S	Very strong well in small draw. Drawdown 5 feet pumping 5 gallons a minute for 6 hours.
268	42.3	Apr. 14, 1936	--	N	Well 25 feet south was pumping 3 gallons a minute while measurement was made.
269	--	--	None	N	
270	28.5	Feb. 26, 1936	B,H	D,S	Weak, dug well at edge of dry lake. Maximum production about 6 barrels a day.
271	24.2	do.	--	D,S	Dug well in bottom of dry lake.
272	35.1	Feb. 27, 1936	C,W	D,S	Dug well at head of small draw. Adequate supply for domestic use. Reported well getting stronger.
273	37.3	do.	B,H	D,S	Dug well.
274	--	--	None	N	See table of driller's logs for record of well 274a.
275	--	--	None	N	
276	--	--	None	N	
277	--	--	None	N	
278	29.8	Apr. 14, 1936	G,H	D,S	Dug well with good curbing. Poor supply.

e/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Stanton	Section or Labor	League or Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
279	6 $\frac{1}{2}$ miles north	30, SE. $\frac{1}{4}$ NW. $\frac{1}{4}$	T. 1 N. Blk. 35	R. E. McWhorter	J. Peters	1930	35	36	5.5
280	7 miles north	27, NE. corner	T. 1 N. Blk. 36	W. O. Hayter	--	Old	71	--	0.5
e/281	8 miles northwest	25, NE. corner	T. 1 N. Blk. 37	W. P. A. test well	Joe W. Lang	1936	11	3	--
282	do.	25, SW. corner	do.	D. E. Cross	C. Brothers	1931	59	6	4.0
283	11 $\frac{1}{2}$ miles west	29, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	Nat Williams	--	1911	62	--	0
284	12 miles west	30, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	H. T. Green	--	--	48	--	6.0
285	do.	30, SE. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	do.	--	1930	43	4	4.0
e/286	12 miles northwest	31, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	10	3	--
e/287	11 miles west	32, SW. corner	do.	do.	do.	1936	12	3	--
e/288	9 miles northwest	34, SW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	do.	do.	1936	15	3	--
289	8 $\frac{1}{2}$ miles northwest	34, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	A. L. Hull	Scroggins	1907	50	--	0.5
290	do.	34, SE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	B. F. McCullough	--	--	57	--	0.5
291	do.	35, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	D. E. Cross	--	1917	46	6	1
292	7 $\frac{1}{2}$ miles northwest	35, SE. corner	do.	Florence Konz	C. Brothers	1931	58	6	1
293	6 $\frac{1}{2}$ miles northwest	31, SW. corner	T. 1 N. Blk. 36	T. L. Ramsey	Brothers	1904	61	6	1
294	7 $\frac{1}{2}$ miles north	34, SW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	E. R. Parker	--	--	60	--	0
295	6 miles north	31, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	T. 1 N. Blk. 35	J. F. Mashburn	--	--	42	--	0
e/296	5 miles north	31, SW. corner	do.	do.	C. Brothers	--	68	6	1.0
e/297	5 $\frac{1}{2}$ miles north	32, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	W. P. A. test well	Joe W. Lang	1936	20	3	--
298	6 miles north	32, NE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	Nettie McWhorter	--	1915	21	--	1.0
299	7 miles north	34, NW. corner	do.	Mrs. Williams	--	--	50	6	1.0
e/300	6 $\frac{1}{2}$ miles northeast	34, SW. corner	do.	W. P. A. test well	Joe W. Lang	1936	23	3	--
e/301	7 $\frac{1}{2}$ miles northeast	35, SW. corner	do.	do.	do.	1936	7	3	--
302	8 miles northeast	35, SE. corner	do.	J. F. Hamby	--	1930	13	--	1.0

a/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

b/ T, turbine; Cf, centrifugal; C, Cylinder; B, bucket or bailer; E, electric; G, gasoline engine; W, windrill; H, hand; number indicates horsepower.

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

Joe W. Lang, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measure- ment			
279	30.3	Apr. 14, 1936	None	N	Dug well. Has been pumped at 60 gallons a minute exhausting well. Windmill well 25 feet away furnishes water for domestic and stock use.
280	67.5	Apr. 16, 1936	None	N	Finished in first water.
281	--	--	None	N	
282	48.1	Mar. 24, 1936	C,W	S	Weak well. Drilled into red clay. Drawdown, 5.6 feet after pumping 1 gallon a minute for 1 hour.
283	49.1	Feb. 12, 1936	C,W	D,S,I	Irrigates garden. Drawdown, 8.5 feet after pumping 8 gallons a minute for 30 minutes.
284	32.7	do.	C,W	D,S,I	Irrigates garden. Red clay at bottom of well.
285	34.9	Mar. 25, 1936	C,W	D,S	Drawdown, 1.7 feet after pumping 3½ gallons a minute for 1 hour.
286	--	--	None	N	
287	--	--	None	N	
288	--	--	None	N	
289	36.8	Feb. 3, 1936	C,W	D,S,I	Irrigates garden. Driller tested well at about 35 gallons a minute. See log.
290	33.6	Mar. 24, 1936	C,W	D,S,J	Irrigates garden. Very large supply reported. Bottom 20 feet of casing perforated.
291	34.4	do.	C,W	D,S	Strong well in dry lake. Well 40 feet northwest is 52 feet deep, and 35 feet to water, not used.
292	32.7	do.	C,W	D,S,I	Very weak; pumps out in 30 minutes. Drilled 10 feet into red clay. Unused, weak well, 40 feet south is 52 feet deep and 30.5 feet to water.
293	54.0	Feb. 20, 1936	C,W	D,S	Irrigation ruins land in 2 years reported.
294	44.9	Apr. 16, 1936	C,W	S	Strong well. 200 head of cattle watered here.
295	40.7	Jan. 22, 1936	None	N	Reported that well once served many families, but became salty and was abandoned.
296	55.3	do.	C,W	D,S	Supply is adequate for present use.
297	--	--	None	N	
298	19.7	Feb. 28, 1936	None	N	Reported that water became too salty to use.
299	40.6	Jan. 21, 1936	None	N	46 foot well with windmill 10 feet east; draw-down 1.6 feet pumping 1 gallon a minute for 1
300	--	--	None	N	hour.
301	--	--	None	N	
302	13.0	Feb. 26, 1936	B,H	D,S	Dug well with wood curbing. Very weak supply. Well fails in dry seasons.

c/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Stanton	Section or Labor	League or Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
e/303	8 1/2 miles northeast	36, SW. 1/4 NW. 1/4	T. 1 N. Blk. 35	W. F. A. test well	Joe W. Lang	1936	32	3	--
304	8 miles northeast	37, SW. 1/4 NE. 1/4	do.	P. N. O'Briant	P. N. O'Briant	1930	28	--	0.5
e/305	do.	37, SE. 1/4 NW. 1/4	do.	M. M. O'Briant	M. M. O'Briant	--	30	--	1.0
306	do.	37, NE. 1/4 SW. 1/4	do.	L. E. Rowden	L. E. Rowden	1934	29	--	1.5
e/307	7 1/2 miles northeast	47, NE. corner	do.	W. P. A. test well	Joe W. Lang	1936	6	3	--
308	6 1/2 miles northeast	39, SE. corner	do.	J. H. Currie	J. H. Currie	1932	9 1/2	--	0
e/309	do.	do.	do.	W. P. A. test well	Joe W. Lang	1936	5	3	--
e/310	6 miles northeast	39, SW. 1/4 SW. 1/4	do.	do.	do.	1936	16	3	--
311	6 1/2 miles northeast	39, NW. 1/4 NW. 1/4	do.	do.	do.	1936	11	5	0
312	6 miles northeast	40, NE. corner	do.	Francis Stuart	--	--	19	36	0
e/313	4 1/2 miles north	42, SW. corner	do.	W. P. A. test well	Joe W. Lang	1936	3	3	--
e/314	4 miles north	39, SE. corner	T. 1 N. Blk. 36	do.	do.	1936	11	3	--
315	4 1/2 miles northwest	39, SE. corner	do.	W. V. Stephenson	--	--	65	6	0
e/316	do.	40, SE. corner	do.	W. P. A. test well	Joe W. Lang	1936	7	3	--
317	do.	do.	do.	Byrda R. Parker	--	--	47	6	2.0
318	do.	40, SW. corner	do.	J. N. Poe	--	--	61	6	1.0
e/319	4 1/2 miles northwest	do.	do.	W. P. A. test well	Joe W. Lang	1936	7	3	--
320	do.	41, SE. corner	do.	S. F. Paynes	--	1924	69	6	0.5
321	5 1/2 miles northwest	41, NE. corner	do.	Howard Walker	--	1920	63	6	1.0
e/322	6 miles northwest	42, NE. corner	do.	W. P. A. test well	Joe W. Lang	1936	13	3	--
323	5 miles northwest	41, SE. 1/4 SW. 1/4	do.	Finley Martin	C. Brothers	--	70	--	--
324	5 1/2 miles northwest	41, SW. corner	do.	do.	do.	1916	57	--	1.0
e/325	6 1/2 miles northwest	42, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	16	3	--
326	6 miles northwest	42, SW. corner	do.	Mrs. Jewel Webster	--	Old	144	6	1.0

/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

e/ T, turbine; Cf, centrifugal; C, Cylinder; B, bucket or bailer; E, electric; G, gasoline engine; W, windmill; H, hand; number indicates horsepower.

e/ I, irrigation; P, public; D, domestic; S, stock; N, not used.

Joe W. Lang, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
303	--	--	None	N	
304	25.7	Jan. 20, 1936	C, W	D, S	Dug well with concrete curbing. Red sand and clay in bottom. Other wells in vicinity are dry.
305	25.8	do.	None	N	Dug well with concrete curbing. Dug into red sandstone, red clay, and brittle blue micaceous sandstone.
306	25.4	do.	None	N	Reported heavily mineralized. Red clay, blue-white sand, and red sandy clay.
307	--	--	None	N	
308	9.3	Feb. 24, 1936	B, H	D, S	Dug well in bottom draw. Small supply, went dr. in 1933.
309	--	--	None	N	
310	--	--	None	N	
311	8.1	Feb. 25, 1936	None	N	
312	14.5	Feb. 25, 1936	B, H	D, S	Dug well in bottom of draw. Small supply.
313	--	--	None	N	
314	--	--	None	N	
315	39.0	Mar. 18, 1936	C, W	D, S	Very strong supply reported.
316	--	--	None	N	
317	40.1	Mar. 18, 1936	C, W	D, S	
318	51.8	Mar. 11, 1936	C, W	D, S, I	Irrigates garden. Strong supply reported.
319	--	--	None	N	
320	57.4	Mar. 2, 1936	C, W	D, S	On crest of ridge. Strong supply reported.
321	56.7	Mar. 18, 1936	C, W	D, S	Very large supply reported.
322	--	--	None	N	
323	39.7	Mar. 20, 1936	None	N	Abandoned because of insufficient supply. Well drilled into red clay.
324	53.3	do.	C, W	D, S, I	Irrigates garden. Drawdown 1.5 feet pumping 3 gallons a minute for 12 hours.
325	--	--	None	N	
326	66.5	Feb. 17, 1936	C, W	D, S	Drawdown 12.3 feet after pumping 6 gallons a minute for 30 minutes. Water level 64.3 on July 8, 1936.

3/ No water sample collected for analysis.

4/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Stanton	Section or Labor	League or Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
327	6 $\frac{1}{2}$ miles northwest	37, SW. $\frac{1}{4}$ NE. $\frac{1}{4}$	T. 1 N. Blk. 37	W. A. Cornelius	C. Brothers	--	35	6	1.0
328	7 $\frac{1}{2}$ miles west	38, NW. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	Walter Franklin	--	1925	36	6	"
c/329	do.	38, SW. corner	do.	T. F. A. test well	Joe W. Lang	1936	19	5	--
c/330	8 $\frac{1}{2}$ miles northwest	39, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	do.	do.	1936	8	3	--
c/331	10 miles northwest	40, NW. corner	do.	do.	do.	1956	12	5	--
332	9 $\frac{1}{2}$ miles west	41, SE. corner	do.	L. R. Shoemaker	--	--	23	6	0.5
333	8 $\frac{1}{2}$ miles west	45, center	do.	Sam Turner	--	--	16	36	3.5
334	7 miles west	47, SE. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	W. E. Hazelwood	--	1910	61	6	0.5
335	6 miles west	48, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	S. P. Lyrick	--	--	77	6	0.5
336	5 $\frac{1}{2}$ miles northwest	43, SE. $\frac{1}{4}$ SW. $\frac{1}{4}$	T. 1 N. Blk. 36	John Atchison	--	--	55	6	1.0
337	6 miles northwest	43, NW. $\frac{1}{4}$ NV. $\frac{1}{4}$	do.	E. A. Baugh	Robinson	1914	63	6	0
338	5 miles northwest	43, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	D. H. Carter	C. Brothers	1923	54	--	0
339	do.	44, NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	J. W. Meeks	do.	--	62	--	0.5
340	4 $\frac{1}{2}$ miles northwest	44, SE. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	T. E. Burrus	--	--	68	6	0.5
341	4 $\frac{1}{2}$ miles northwest	44, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	Mrs. F. A. Rumfield	--	--	65	6	0.5
342	4 $\frac{1}{2}$ miles northwest	44, SE. $\frac{1}{4}$ center	do.	Ernest Mims	--	Old	72	36	2.0
343	do.	do.	do.	do.	Roberts	--	38	6	3.0
344	4 $\frac{1}{2}$ miles north	45, NE. $\frac{1}{4}$ NV. $\frac{1}{4}$	do.	J. R. Vance	--	1905	48	6	0
345	4 miles northwest	45, NE. corner	do.	C. E. Barker	C. Brothers	1926	50	--	1.0
346	3 $\frac{1}{2}$ miles northwest	45, NE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	Mrs. F. Konz	do.	1928	59	6	1.0
347	3 $\frac{1}{2}$ miles north	46, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	Toby Adams	--	1928	58	--	2
348	3 $\frac{1}{2}$ miles north	46, NE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	C. B. Parker	C. Brothers	1935	47	6	0.5
349	3 $\frac{1}{2}$ miles north	47, NW. corner	do.	Byrda R. Parker	--	--	65	6	1.0
350	3 miles north	47, SW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	Charles Martin	--	1936	66	6	0

a/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

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

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

Joe W. Lang, Project Superintendent

No.	Water Level		Purp and power b/	Use of water c/	Remarks
	Depth below measur- ing point	Date of measure- ment			
327	(feet) 43.5	Mar. 24, 1936	C,W	D,S	Large supply reported.
328	48.0	do.	C,W	D,S	Plentiful supply reported.
329	--	--	None	N	
330	--	--	None	N	
331	--	--	None	N	
332	23.2	Jan. 23, 1936	C,W	D,S	Plentiful supply reported.
333	16.5	Feb. 5, 1936	C,W	D,S	Dug well with no curbing. Limestone boulders, broken lime rock down to sand, gravel and water.
334	53.7	Mar. 17, 1936	C,W	S	Drawdown, 6 feet after pumping 3 gallons a minute for 12 hours.
335	62.5	Mar. 13, 1936	C,W	D,S,I	Irrigates garden. Reported that irrigation turns soil white.
336	42.2	do.	C,W	D,S	Water level remeasured on July 7, 1936, as 41.1 feet.
337	47.0	Feb. 17, 1936	C,W	D,S,I	Irrigates garden.
338	46.5	Mar. 13, 1936	C,W	D,S	Originally 82 feet deep, but filled in with gravel to prevent sand-locking.
339	50.7	Mar. 20, 1936	C,W	D,S	Drawdown, 8 feet, pumping 2 gallons a minute for several hours.
340	52.7	Mar. 13, 1936	C,W	D,S	Reported weak well.
341	54.5	Mar. 20, 1936	C,W	D,S,I	Irrigates garden. 20 feet of perforated casing in bottom. Plentiful supply reported.
342	62.7	Jan. 16, 1936	C,W	D,S	Dug well with water from gravel just above red clay.
343	49.0	do	C,W	D	Water level reported constant.
344	40.8	Mar. 18, 1936	C,W	D,S,I	Irrigates garden. Drawdown, 1.8 feet, pumping 3 gallons a minute for 12 hours.
345	42.5	do.	C,W	D,S,I	Irrigates garden. Large supply reported.
346	43.8	do.	C,W	D,S	Fairly strong.
347	44.0	do.	C,W	D,S,I	Irrigates garden. Water level measured in dug well 10 feet from drilled well with connections between both wells.
348	33.5	do.	C,W	D,S,I	Irrigates garden. Reported very large supply.
349	37.7	Jan. 15, 1936	C,W	D,S	Well has never failed.
350	41.4	do.	C,W	D,S	

o/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Stanton	Section or Labor	League or Survey	Owner	Driller	Date comple- ted	Depth of well (ft.)	Diam- eter of well (in.)	Height of measuring point a- bove gro- und (ft.)
e/351	3 miles north	47, SW. corner	T. 1 N. Blk. 36	W. P. A. test well	Joe W. Lang	1936	10	5	--
352	2 $\frac{1}{2}$ miles north	47, SE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	E. Price & M. Tom	C. Brothers	--	67	--	1.0
e/353	5 $\frac{1}{2}$ miles northeast	46, SW. corner	T. 1 N. Blk. 35	W. P. A. test well	Joe W. Lang	1936	14	3	--
e/354	6 $\frac{1}{2}$ miles northeast	47, cen- ter NW. $\frac{1}{4}$	do.	do.	do.	1936	7	3	0
355	7 miles northeast	47, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	do.	do.	1936	6	3	--
356	8 miles northwest	48, NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	do.	do.	1936	1	3	--
e/357	6 miles northeast	2, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	T. 1 S. Blk. 35	do.	do.	1936	7	3	--
e/358	2 $\frac{1}{2}$ miles north	1, SE. corner	T. 1 S. Blk. 36	do.	do.	1936	5	3	--
e/359	3 miles north	1, NE. corner	do.	do.	do.	1936	18	3	--
360	2 $\frac{1}{2}$ miles north	1, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	Mrs. Flor- ence Konz	C. Brothers	1930	68	--	0.5
361	2 $\frac{1}{2}$ miles north	1, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	W. C. Flanagan	Chris Peters	1910	54	--	3.5
362	1 $\frac{1}{2}$ miles north	2, SE. corner	do.	Joe Peters	C. Brothers	1925	129	6	0.5
363	2 $\frac{1}{2}$ miles northwest	3, SW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	L. G. Peters	do.	1921	75	--	0.5
364	3 miles northwest	4, NE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	J. C. Peters	J. C. Peters	1917	175	--	0.5
365	2 $\frac{1}{2}$ miles northwest	do.	do.	do.	do.	1917	78	--	1.0
366	3 miles northwest	4, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	Jim Tom	C. Brothers	1902	130	--	1.0
367	do.	4, SW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	W. H. Hessorer	--	1906	81	6	0
e/368	4 $\frac{1}{2}$ miles north	5, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	15	3	--
369	5 miles west	6, NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	Mrs. H. L. Rhodes	C. Brothers	1932	51	6	0.5
370	6 miles west	1, SE. $\frac{1}{4}$ SW. $\frac{1}{4}$	T. 1 S. Blk. 37	Ted Stewart	do.	1936	46	6	0.3
e/371	6 miles west	2, NE. corner	do.	W. P. A. test well	Joe W. Lang	1936	10	3	--
372	do.	2, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	Elmer Hull	C. Brothers	1918	65	--	0.5
373	7 miles west	2, NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	W. E. Hazelwood	do.	1928	64	6	0.5

a/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

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

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

Joe W. Lang, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
351	--	--	None	N	
352	51.6	Apr. 6, 1936	C,W	D,S	Pumps dry after pumping 3 gallons a minute for 1 hour. Water level remeasured on June 27, 1936, as 51.5 feet.
353	--	--	None	N	
354	5.5	Feb. 25, 1936	None	N	
355	--	--	None	N	
356	--	--	None	N	Water in sand and gravel in bottom of draw.
357	--	--	None	N	
358	--	--	None	N	
359	--	--	None	N	
360	50.8	Apr. 6, 1936	C,W	D,S	Water pumps out in about 1 hour.
361	47.7	do.	C,H	D,S	Weak supply of water. Water level measured again on June 27, 1936, as 48.1 feet.
362	94.9	do.	C,W	D,S,I	Irrigates garden, orchard. Water level, 94.4 on June 27, 1936. Very large supply reported.
363	65.7	Mar. 10, 1936	C,W	D,S	Large supply reported. Water level, 65.6 on July 8, 1936.
364	57.1	do.	C,W	D,S	Very large supply reported. Originally only 85 feet deep but was deepened to increase supply.
365	58.4	do.	C,W	D,S,I	Irrigates 1 acre. Drawdown, 10.5 feet pumping 8 gallons a minute for 1 hour.
366	51.3	do.	C,W	D,S,I	Irrigates garden and trees. Drawdown, 1 foot pumping 3 gallons a minute for several hours.
367	59.2	Mar. 11, 1936	C,W	D,S	Strong supply reported.
368	--	--	None	N	
369	40.9	Mar. 13, 1936	C,W	D,S,I	Irrigates garden. Drawdown 7 feet pumping 3 gallons a minute. Water level 40.0 feet on July 7, 1936.
370	38.5	Jan. 23, 1936	None	D,S	Pump not yet installed.
371	--	--	None	N	
372	55.3	Mar. 13, 1936	C,W	D,S,I	Irrigates garden. Drawdown 1 foot after pumping 2 gallons a minute for 4 hours. Water level 55.3, July 7, 1936.
373	50.6	Mar. 17, 1936	C,W	D,S,I	Irrigates garden. Another well 75 feet southwest was pumping 3 gallons a minute when this well was measured.

e/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Stanton	Section or Labor	League or Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
e/374	7½ miles west	3, NE. corner	T. 1 S. Blk. 37	W. P. A. test well	Joe W. Lang	1936	15	3	--
375	8½ miles west	4, NW. ¼ NE. ¼	do.	J. R. Reed	--	61d	17	4½	1.0
376	do.	do.	do.	do.	--	1910	10	--	0
e/376a	do.	do.	do.	do.	Mustang Springs	--	Springs	--	--
e/377	9 miles west	4, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	12	3	--
378	9½ miles west	8, NE. ¼ NW. ¼	do.	E. B. Dickenson	--	--	33	6	1.0
e/379	9 miles west	4, SW. corner	do.	W. P. A. test well	Joe W. Lang	1936	7½	3	--
e/380	7½ miles west	10, NE. ¼ NW. ¼	do.	do.	do.	1936	5	3	0
381	do.	10, center	do.	T. W. Angel	C. Brothers	1925	35	--	0.5
e/382	6 miles west	12, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	10	3	--
383	5½ miles west	12, SE. ¼ SW. ¼	do.	Milt Yates	--	--	60	--	0.3
384	4½ miles west	7, NW. corner	T. 1 S. Blk. 36	Penny Stroud	--	--	62	--	0
e/385	do.	do.	do.	W. P. A. test well	Joe W. Lang	1936	8	3	--
386	4½ miles west	7, SW. corner	do.	J. K. Poe	--	--	67	6	0.5
e/387	3½ miles west	7, SE. corner	do.	W. P. A. test well	Joe W. Lang	1936	10	3	--
e/388	4 miles west	8, NW. corner	do.	do.	do.	1936	9	3	--
389	4 miles northwest	do.	do.	Chas. Ebbersel	--	--	33	5	1.3
390	3½ miles west	8, SW. ¼ SW. ¼	do.	J. N. Poe	C. Brothers	--	60	6	0.5
391	3 miles west	8, SE. ¼ NE. ¼	do.	J. R. Vance	do.	1926	79	--	0.5
e/392	do.	9, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	7	3	--
393	2½ miles west	9, SE. ¼ NW. ¼	do.	T. D. Green	C. Brothers	1926	81	--	1
394	2½ miles west	9, SE. ¼ SW. ¼	do.	R. P. Martin	--	--	110	6	1.0
395	2 miles west	9, SE. corner	do.	J. R. Vance	C. Brothers	1923	110	--	0
e/396	2½ miles northwest	9, NW. ¼ NE. ¼	do.	W. P. A. test well	Joe W. Lang	1936	18	3	--

e/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

e/ T, turbine; Cf, centrifugal; C, cylinder; B, bucket or bailer; E, electric; G, gasoline engine; W, windmill; H, hand; number indicates horsepower.

e/ I, irrigation; F, public; D, domestic; S, stock; N, not used.

Joe W. Lang, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point	Date of measurement			
374	--	--	None	N	
375	12.6	Apr. 17, 1936	C,W	D	Very large supply.
376	2.1	do.	None	N	Dug well with wood curb. Reported centrifugal pump threw 8 inch stream for 3 days and lowered water level 6 to 8 feet.
376a	Flows	do.	None	S	Seep springs. Small stream flows for about 1/2 mile down draw.
377	--	--	None	N	
378	31.9	Apr. 17, 1936	C,W	N	Well 50 feet north was pumping 3 gallons a minute when this water level was measured.
379	--	--	None	N	
380	4.2	Feb. 13, 1936	None	N	
381	26.2	Feb. 10, 1936	C,W	D,S	Large supply reported.
382	--	--	None	N	
383	51.6	Feb. 19, 1936	C,W	D,S	Large supply reported.
384	43.7	do.	C,W	D,S	Water level checked as 42.3 feet on July 7, 1936.
385	--	--	None	N	
386	35.6	Mar. 12, 1936	None	N	Well drilled into red clay.
387	--	--	None	N	
388	--	--	None	N	
389	24.1	Jan. 15, 1936	C,H	D,S	In slight depression in sandhills. Water level 24.0 feet on Feb. 19, 1936, and 24.4 on July 7.
390	30.6	Mar. 12, 1936	C,W	D,S	Very large supply reported. Has 20 feet of perforated casing at bottom.
391	59.6	Mar. 11, 1936	C,W	D,S	Adequate supply reported.
392	--	--	None	N	
393	73.2	Mar. 11, 1936	C,W	D,S	Adequate supply reported.
394	74.6	Mar. 9, 1936	C,W	D,S,I	Irrigates 1/2 acre of garden in same place for 5 or 6 years.
395	81.8	do.	C,W	D,S	20 feet of casing in bottom, but none above.
396	--	--	None	N	

e/ No water sample collected for analysis.

f/ Water level reported

Records of wells in Martin County--Continued

No.	Distance from Stanton	Section or Labor	League or Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
397	2 $\frac{1}{2}$ miles northwest	9, NE. $\frac{1}{4}$	T. 1 S. Blk. 36	Mrs. E. Quenl	C. Brothers	1927	68	6	0.5
e/398	do.	10, NW. corner	do.	W. F. A. test well	Joe W. Lang	1936	13	3	--
399	1 $\frac{1}{2}$ miles northwest	10, center	do.	J. R. Vance	--	--	120	6	0
400	1 $\frac{1}{2}$ miles northwest	10, SE. $\frac{1}{4}$	do.	do.	C. Brothers	1928	110	6	0.5
401	1 $\frac{1}{2}$ miles northwest	11, SW. corner	do.	G. F. Anderson	do.	--	91	6	0
402	1 mile northwest	11, SE. $\frac{1}{4}$	do.	do.	do.	--	90	6	0
403	1 mile north	do.	do.	Paul Peters	--	--	71	--	0
404	do.	11, SW. $\frac{1}{4}$	do.	Will Peters	--	1890	90	--	0
e/405	1 $\frac{1}{2}$ miles north	11, NE. corner	do.	W. P. A. test well	Joe W. Lang	1936	16 $\frac{1}{2}$	3	--
406	1 mile north	12, SW. $\frac{1}{4}$	do.	S. P. Reed	--	1906	120	6	0
407	1 $\frac{1}{2}$ miles northeast	7, SE. $\frac{1}{4}$	T. 1 S. Blk. 35	W. R. Morris	--	--	134	--	0.5
e/408	4 $\frac{1}{2}$ miles northeast	9, SE. $\frac{1}{4}$	do.	W. F. A. test well	Joe W. Lang	1936	17	3	--
409	4 $\frac{1}{2}$ miles east	10, NW. $\frac{1}{4}$	do.	W. O. Clinton	W. O. Clinton	1927	14	--	1.0
e/410	4 $\frac{1}{2}$ miles northeast	do.	do.	W. F. A. test well	Joe W. Lang	1936	21	3	--
411	4 $\frac{1}{2}$ miles east	10, NE. $\frac{1}{4}$	do.	C. L. Miller	Clinton & Wells	1935	14	--	1.0
412	6 miles east	11, SE. $\frac{1}{4}$	do.	W. J. Johnson	--	1924	23	--	1.0
413	do.	11, SW. $\frac{1}{4}$	do.	H. L. McKaskle	H. L. McKaskle	1935	26	--	1.0
e/414	do.	do.	do.	W. F. A. test well	Joe W. Lang	1936	19	3	--
415	do.	14, NE. $\frac{1}{4}$	do.	F. E. Morrow	--	1924	25	--	1.0
e/416	6 miles east	14, SW. $\frac{1}{4}$	do.	W. F. A. test well	Joe W. Lang	1936	20	3	--
e/417	4 $\frac{1}{2}$ miles east	15, NW. corner	do.	do.	do.	1936	7 $\frac{1}{2}$	3	--
418	2 $\frac{1}{2}$ miles east	17, NE. $\frac{1}{4}$	do.	J. E. Millhollon	--	1926	45	6	1
e/419	3 miles east	17, NW. $\frac{1}{4}$	do.	W. F. A. test well	Joe W. Lang	1936	27	3	--

e/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of wall curb.

/ T, turbine; Cf, centrifugal; C, cylinder; B, bucket or bailer; E, electric; G, gasoline engine; W, windmill; H, head; number indicates horsepower.

e/ I, irrigation; P, public; D, domestic; S, stock; L, not used.

Joe W. Lang, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measure- ment			
397	57.0	Mar. 1 st , 1935	C,H	N	In dry lake.
398	--	--	None	N	
399	98.2	Mar. 9, 1936	C,W	D,S	Large supply reported.
400	94.4	do.	C,W	D,S	Do.
401	78.5	Jan. 14, 1936	C,W	D	Never fails, but pump sucks air in strong wind.
402	65.2	Mar. 5, 1936	C,W	D,S,I	Irrigates garden. Drawdown 0.6 feet pumping 2 gallons a minute. 20 feet perforated casing in bottom.
403	65.5	do.	C,W	D,S	Reported large supply.
404	70.1	do.	C,W	D,S	Drawdown $\frac{1}{2}$ foot after pumping 2 gallons a minute for 1 hour.
405	--	--	None	N	
406	100.0	Mar. 5, 1936	C,W	D,S	15 feet of galvanized casing at top with 20 feet of perforated casing at bottom. Open hole between.
407	109.9	do.	C,W	D,S	Supply adequate for present use.
408	--	--	None	N	
409	13.1	Mar. 6, 1936	B,H	D,S	Dug well in bottom of draw. Water comes from Sand and gravel on top of red clay. Goes dry during dry seasons.
410	--	--	None	N	
411	7.3	Mar. 6, 1936	B,H	D,S	Dug well in bottom of draw. Will furnish 20 to 30 barrels a day.
412	23.8	Feb. 24, 1936	C,W	D,S	Dug well with only few inches of water, but never dry.
413	24.8	Jan. 16, 1936	None	S	Dug well. Water used only in emergency.
414	--	--	None	N	
415	23.5	Feb. 24, 1936	B,H	D,S	Dug well in red clay and gravel.
416	--	--	None	N	
417	--	--	None	N	
418	42.5	Apr. 6, 1936	C,W	S	Drawdown, 1.3 feet after pumping 2 gallons a minute for several hours.
419	--	--	None	N	

b/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Stanton	Section or Labor	League or Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
420	2 $\frac{1}{2}$ miles east	17, SW. $\frac{1}{4}$ NW. $\frac{1}{4}$	T. 1 S. Blk. 35	I. R. Ebbersol	--	--	92	--	1.0
421	do.	17, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	Am. Glycerin Co.	Milton Marr	1936	152	8	3.0
e/422	1 $\frac{1}{2}$ miles northeast corner	18, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	6	3	--
423	1 mile east	13, NE. $\frac{1}{4}$ SE. $\frac{1}{4}$	T. 1 S. Blk. 36	J. E. Millhollon	--	--	130	6	0
e/424	In Stanton	13, NE. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	Mrs. Rhodes	--	--	120	6	1.0
425	do.	13, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	T. Houston	--	1916	95	6	0.5
e/426	1 mile north corner	13, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	7	3	--
e/427	do.	14, NW. corner	do.	do.	do.	1936	31	3	--
428	In Stanton	14, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	Mrs. Davenport	--	--	73	--	0.5
429	$\frac{1}{2}$ mile west corner	15, SE. corner	do.	J. E. Zimmerman	C. Brothers	1927	86	6	0
430	1 mile northwest	15, SE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	J. R. Vance	--	1891	84	--	0.5
e/431	1 $\frac{1}{2}$ miles west corner	15, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	31	3	--
432	2 miles west	16, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	T. C. McClane	C. Brothers	1925	90	6	1.0
433	2 $\frac{1}{2}$ miles west	16, NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	A. E. Eubanks	--	1923	97	6	0
e/434	do.	16, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	16	3	--
435	2 $\frac{1}{2}$ miles west	17, SE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	J. E. Henson	C. Brothers	--	99	--	0
e/436	3 miles west center	17, center	do.	W. P. A. test well	Joe W. Lang	1936	15	3	--
437	3 $\frac{1}{2}$ miles west	17, SE. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	C. C. Kelly	--	1905	95	--	1.0
438	3 $\frac{1}{2}$ miles west	18, SE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	J. H. Kelly	J. M. Blackaby	1922	93	--	1.0
439	4 $\frac{1}{2}$ miles west	18, SW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	do.	--	--	64	6	0.5
e/440	5 $\frac{1}{2}$ miles west corner	13, NW. corner	T. 1 S. Blk. 37	W. P. A. test well	Joe W. Lang	1936	12	3	--
441	6 miles west	14, SE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	R. L. Hanson	--	--	60	6	0
442	7 $\frac{1}{2}$ miles west	15, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	County Road	--	1936	8	--	0
e/443	8 miles west	16, SE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	Jesse Angel	C. Brothers	1935	45	6	0.5

a/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

b/ T, turbine; Cr, centrifugal; C, cylinder; B, bucket or bailer; E, electric; G, gasoline engine; W, windmill; F, hand; number indicates horsepower.

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

Joe W. Laney, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point	Date of measuro- ment			
420	(feet) 70.9	Mar. 27, 1936	C,W	D,S	Never pumps out.
421	80.1	do.	T,E	--	For use in glycerin plant. See driller's log.
422	--	--	None	N	
423	95	Reported	C,W	D,S	Large supply reported.
424	76.7	Jan. 17, 1936	None	N	
425	69.2	Apr. 1, 1936	None	N	Was never pumped down by windmill.
426	--	--	None	N	
427	--	--	None	N	
428	57.7	Apr. 1, 1936	C,H	D	
429	71.5	Mar. 16, 1936	C,W	D,P	15 feet of perforated casing in bottom of well. "1st water."
430	80.3	Mar. 9, 1936	None	N	Dug well with permanent supply.
431	--	--	None	N	
432	81.3	Mar. 9, 1936	C,W	D,S,I	Irrigates garden. Reported 3 or 4 years irri- gation ruins soil.
433	80.5	do.	C,W	D,S,I	Irrigates garden. Large supply reported.
434	--	--	None	N	
435	80.5	Mar. 9, 1936	C,W	D,S,I	Irrigates garden. 18 feet of perforated casing in bottom. Large supply reported.
436	--	--	None	N	
437	73.5	Feb. 6, 1936	C,W	D,S	Has been used for irrigation but packs ground.
438	83.5	do.	C,W	S	Water supply reported weak and red clay at 40 to 100 feet $\frac{1}{2}$ mile north.
439	45.2	Mar. 12, 1936	C,W	D,S	Water level remeasured on July 8, 1936, as 45.6 feet.
440	--	--	None	N	
441	34.4	Apr. 17, 1936	C,W	D,S	Adequate for present use.
442	6.6	Jan. 24, 1936	None	N	In bottom of Mustang Draw. Log, 4 feet sandy loam, 3 feet of black gumbo, and 1 foot of gray sand.
443	26.8	Feb. 11, 1936	None	N	New well with pump not yet connected. Drilled into red clay at bottom.

e/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Stanton	Section or Labor	League or Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
444	8 miles west	16, NE. corner	T. 1 S. Blk. 37	C. B. Parker	C. Brothers	1936	47	--	1.0
445	do.	16, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	do.	--	--	52	--	0
e/446	8 $\frac{1}{2}$ miles west	16, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	21	3	--
447	9 miles west	17, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	do.	do.	1936	7	3	--
448	10 miles west	18, NE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	E. B. Dickenson	--	1930	46	--	0
e/449	8 $\frac{1}{2}$ miles west	21, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	16	3	--
450	6 $\frac{1}{2}$ miles west	23, NW. corner	do.	B. F. White	--	1912	48	--	0.5
451	7 miles west	23, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	J. B. Harvard	J. B. Harvard	1933	23	--	0
452	6 $\frac{1}{2}$ miles west	23, SE. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	do.	--	--	18	--	0
e/453	5 $\frac{1}{2}$ miles west	24, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	11	3	--
454	do.	24, SW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	J. C. Scott	Brothers	1924	72	6	0.5
455	5 miles west	24, NW. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	R. Yantis	C. Brothers	--	45	6	0.5
456	4 $\frac{1}{2}$ miles west	24, SE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	W. W. White	--	1924	55	6	1.5
457	4 $\frac{1}{2}$ miles west	19, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$	T. 1 S. Blk. 36	C. L. Gerald	--	--	50	6	0
e/458	3 $\frac{1}{2}$ miles southwest	20, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	W. P. A. test well	Joe W. Lang	1936	16	3	--
e/459	2 $\frac{1}{2}$ miles west	21, NW. corner	do.	do.	do.	1936	14	3	--
e/460	2 $\frac{1}{2}$ miles southwest	21, SW. corner	do.	do.	do.	1936	28	3	--
461	2 miles southwest	21, SE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	Chas. Cornell	C. Brothers	1920	110	6	0.5
462	1 $\frac{1}{2}$ miles southwest	21, SE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	H. J. Herzog	do.	1925	85	6	0.5
e/463	1 $\frac{1}{2}$ miles west	22, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	14	3	--
464	do.	22, SE. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	C. F. Grey	--	1890	88	--	2.0
465	1 $\frac{1}{4}$ miles west	22, SW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	M. E. Christian	--	--	88	--	1.0
466	do.	22, NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	C. F. Grey	C. Brothers	1929	114	6	0.5

e/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

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

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

Joe W. Lang, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
444	33.2	Feb. 10, 1936	None	N	Truck irrigation planned. See log.
445	38.5	Feb. 11, 1936	C,W	D,S,I	Irrigates garden. Very large supply.
446	--	--	None	N	
447	--	--	None	N	
448	32.4	Apr. 17, 1936	C,W	S	Adequate for 400 head cattle. Drawdown, 11 feet, pumping 3 gallons a minute for 2 hours
449	--	--	None	N	
450	28.9	Mar. 17, 1936	C,W	D,S,I	Very strong supply. Irrigates garden.
451	10.7	Jan. 23, 1936	Cf,G, 30	I	Dug well with board curbing. Centrifugal pump with auto engine pumps well dry at 150 gallons a minute but pumps 100 gallons a minute without failing.
452	10.5	do.	None	N	Dug well. Reported to have furnished water for building concrete highway. 3 feet of dirt and
453	--	--	None	N	gravel at top, then 12-14 feet of hard, caliche, with sandstone at bottom.
454	29.8	Mar. 17, 1936	C,W	D,S	Strong supply reported. First water at 45 feet, second at 70 feet.
455	33.0	do.	C,W	D,S,I	Irrigates garden. Water level 33.2 feet on July 8, 1936.
456	41.3	Mar. 12, 1936	C,W	D,S	Drawdown, 1.8 feet pumping 3 gallons a minute for 30 minutes. Log; 25 feet sandy clay, 20 feet hard caliche, with water in gravel in bot-
457	41.1	Mar. 17, 1936	C,W	D	Strong well. Water level 41.2 on July 8, 1936. ton.
458	--	--	None	N	
459	--	--	None	N	
460	--	--	None	N	
461	78.5	Feb. 7, 1936	C,W	D,S	Reported to have very strong supply. 35 feet of 6 inch casing in bottom with 10 feet perforated.
462	75.1	Mar. 7, 1936	C,W	D,S,I	Irrigates garden. Drawdown, 1.3 feet pumping 2 gallons a minute for 30 minutes.
463	--	--	None	N	
464	66.3	Mar. 16, 1936	C,W	S,I	Strong supply. Irrigates 3/2 acres. Drawdown, 2.3 feet pumping 4 gallons a minute for 2 hours.
465	80.2	do.	C,W	D,S,I	Adequate supply. Irrigates garden.
466	79.8	Feb. 22, 1936	C,W	D,I	Very strong supply. Irrigates 2 1/2-3 acres of garden and vineyard.

e/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Stanton	Section or Labor	League or Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
467	In Stanton	14, NW. $\frac{1}{4}$	T. 1 S.	City of Stanton	J. C. Stokes	--	134	6	1.4
468	do.	23, SW. $\frac{1}{4}$	do.	Palmer Hairs	--	1926	85	--	0.5
469	do.	23, NE. $\frac{1}{4}$	do.	Ed Hillhollen	--	--	94	6	0.5
470	do.	do.	do.	T. Houston	--	--	86	6	1.0
471	do.	24, NE. $\frac{1}{4}$	do.	J. T. Morgan	--	--	79	--	0.5
472	$\frac{1}{4}$ mile south	24, SE. $\frac{1}{4}$	do.	John Atchison	--	1910	99	--	0.5
e/473	1 $\frac{1}{2}$ miles south	24, SW. corner	do.	W. P. A. test well	Joe W. Lang	1936	22	3	--
e/474	1 $\frac{1}{2}$ miles southeast	19, SW. corner	T. 1 S. Blk. 35	do.	do.	1936	21	3	--
e/475	1 $\frac{1}{2}$ miles east	19, NW. corner	do.	do.	do.	1936	10	3	--
e/476	2 $\frac{1}{2}$ miles east	20, NW. corner	do.	do.	do.	1936	4	3	--
477	3 miles east	20, SW. $\frac{1}{4}$	do.	G. W. Tom	G. W. Tom	--	13	--	3.0
e/478	3 $\frac{1}{2}$ miles east	21, SW. corner	do.	W. P. A. test well	Joe W. Lang	1936	6	3	--
e/479	5 miles east	27, SW. corner	do.	do.	do.	1936	9	3	--
e/480	4 miles southeast	28, SW. corner	do.	do.	do.	1936	10	3	--
481	3 $\frac{1}{2}$ miles east	28, NW. $\frac{1}{4}$	do.	do.	do.	1936	13	3	0
482	2 miles southeast	30, NE. $\frac{1}{4}$	do.	F. A. King	--	--	120	--	1.0
e/482a	2 $\frac{1}{2}$ miles southeast	30, SW. $\frac{1}{4}$	do.	do.	Woodley & Kirby Pet. Co.	1936	3,660	16	--
483	1 $\frac{1}{2}$ miles south	25, NW. $\frac{1}{4}$ center	T. 1 S. Blk. 56	N. Kaderli	C. Brothers	1905	120	6	0
484	1 $\frac{1}{2}$ miles south	25, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	do.	do.	1920	89	6	1.0
e/485	2 miles south	25, SW. corner	do.	W. P. A. test well	Joe W. Lang	1936	18	3	--
486	1 $\frac{1}{2}$ miles south	26, NE. corner	do.	Stanton Cemetary	C. Brothers	1924	94	5	1.0
e/487	do.	26, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	18	3	--
488	2 miles south	27, SE. $\frac{1}{4}$	do.	Louise Wolf	--	--	74	--	0.3
e/489	2 miles southwest	21, SE. corner	do.	W. P. A. test well	Joe W. Lang	1936	7	3	--

e/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

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

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

Joe W. Lana, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measur- ment			
467	69.2	July 15, 1936	T,E, 10	P	Three similar wells about 75 feet apart. See log. Drawdown 15.7 in 2 hours at 150 gallons a minute.
468	63.0	Mar. 27, 1936	C,H	D,S	Finished in "1st water."
469	65.8	Apr. 1, 1936	None	N	Not in use.
470	67.4	do.	C,W	D,S	Strong supply reported. Uses 2 $\frac{1}{4}$ inch cylinder and 2 $\frac{3}{8}$ inch tubing.
471	73.2	do.	C,W	D	Weak, but never dry.
472	76.6	do.	C,W	D,S	Strong well reported. Drawdown, 1.3 feet pump- ing 3 gallons a minute for 1 hour.
473	--	--	None	N	
474	--	--	None	N	
475	--	--	None	N	
476	--	--	None	N	
477	9.8	Feb. 14, 1936	C,W	D,S	Dug well with wooden curb. 3 other similar wells are located in same draw within 1800 feet.
478	--	--	None	N	One well has been in use about 60 years.
479	--	--	None	N	
480	--	--	None	N	
481	3.7	Feb. 21, 1936	None	N	
482	91.8	Apr. 6, 1936	C,W	S	Waters range stock, but rather weak supply.
482a	--	--	None	N	Oil test well. See log.
483	80	Reported	C,G, 2	D,S,I	Adequate supply reported. Irrigates 1 acre of garden truck. Two similar wells 15 feet apart with windmill over west well. See log.
484	56.1	do.	C,W	D,S	On hillside above dry lake. See log of well 50 feet from well 484.
485	--	--	None	N	
486	72.8	Mar. 27, 1936	C,W	I	Plentiful supply reported. Used for irrigation of shrubbery.
487	--	--	None	N	
488	57.3	Feb. 7, 1936	C,W	S	Reported good quality of water. Strong supply
489	--	--	None	N	

c/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Stanton	Section or Labor	League or Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
490	2 $\frac{1}{2}$ miles southwest	28, SE. $\frac{1}{4}$	T. 1 S. Blk. 36	Joseph Stoeger	C. Brothers	1936	96	--	0
491	3 miles southwest	28, NE. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	Mrs. Nable Stoeger	--	--	76	6	1.0
492	3 $\frac{1}{2}$ miles southwest	29, SE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	Chas. Ebbersol	--	--	69	6	0.5
493	4 miles southwest	32, NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	W. T. Calwell	--	--	51	6	0.5
494	3 $\frac{1}{2}$ miles southwest	29, NW. corner	do.	M. H. Nance	C. Brothers	--	52	--	0.5
e/495	3 $\frac{1}{2}$ miles southwest	35, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	18	3	--
496	2 $\frac{1}{2}$ miles south	34, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	Frankie Davidson	--	--	65	--	0.3
e/497	do.	35, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	18	3	--
e/498	3 miles south	35, SW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	do.	do.	1936	22	3	--
499	2 $\frac{1}{2}$ miles south	35, NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	Mrs. A. M. Morgan	C. Brothers	1929	69	--	1.0
e/500	$\frac{1}{4}$ mile southwest	36, SW. corner	do.	W. P. A. test well	Joe W. Lang	1936	11	3	--
e/501	4 $\frac{1}{2}$ miles southeast	32, SE. corner	T. 1 S. Blk. 35	do.	do.	1936	7 $\frac{1}{2}$	3	--
502	5 miles east	35, SE. corner	do.	G. W. Tom	--	1931	61	--	0
503	5 $\frac{1}{2}$ miles east	39, SW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	Annie Stone	--	1918	81	--	0.5
e/504	5 $\frac{1}{2}$ miles southeast	39, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	11	3	--
e/505	6 miles east	34, NE. corner	do.	do.	do.	1936	5	3	--
506	do.	34, NW. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	G. W. Tom	--	1928	67	--	0.5
e/507	6 miles southeast	39, SW. corner	do.	W. P. A. test well	Joe W. Lang	1936	6	3	--
e/508	5 miles southeast	41, SE. corner	do.	do.	do.	1936	6	3	--

No.	Distance from Moore's Hill School	Section or Labor	League or Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
601	3 miles northwest	9, SE. $\frac{1}{4}$ SE. $\frac{1}{4}$	T. 2 N. Blk. 39	J. E. Mabec-Pyle	--	Old	81	--	1.5
602	1 $\frac{1}{2}$ miles north	4, center	H. A. Moore	Mrs. C. B. Holt	Wm. Skeen	1936	75	--	0.4
e/603	At Moore's Hill	319, SW. corner	Garza County	W. F. A. test well	Joe W. Lang	1936	8	3	--

a/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

b/ T, turbine; Cf, centrifugal; C, cylinder; B, bucket or boiler; E, electric; G, gasoline engine; W, windmill; F, hand; number indicates horsepower.

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

Joe W. Lang, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
490	70	Reported	None	N	Well just completed. Pump not installed. 1st water at 70 feet.
491	69.5	Mar. 16, 1936	None	N	On crest of sandy ridge. Located 150 feet east of windmill well.
492	50.5	Mar. 14, 1936	C,W	D,S,I	Irrigates garden. Reported to kill tomatoes after 2 years use.
493	45.3	do.	C,W	D,S,I	Irrigates garden. Large supply.
494	47.5	Feb. 6, 1936	C,W	D,S,I	Two similar wells 100 feet apart. Sampled north west well and measured southeast well. Irrigates
495	--	--	None	N	1 1/2 acres garden tract.
496	56.1	Feb. 7, 1936	C,W	D,S	Fairly strong supply.
497	--	--	None	N	
498	--	--	None	N	
499	60.9	Apr. 6, 1936	C,W	D,S	Weak but permanent.
500	--	--	None	N	
501	--	--	None	N	
502	47.6	Mar. 27, 1936	C,W	D,S	Pumps down, but does not fail.
503	44.8	do.	C,W	D,S,I	Irrigates garden. Strong supply.
504	--	--	None	N	
505	--	--	None	N	
506	45.8	Mar. 27, 1936	C,W	S	Plenty water for stock use. Drawdown, 19 feet after pumping 2 gallons a minute for 3 hours.
507	--	--	None	N	
508	--	--	None	N	

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measuring point (feet)	Date of measurement			
601	43.1	June 11, 1936	C,W	S	Adequate supply. Used for range cattle.
602	43.9	June 10, 1936	C,W	S	Adequate supply for range stock. Drawdown 13 feet after pumping 5 gallons a minute.
603	--	--	None	N	

e/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Moore's Hill School	Section or Labor	League or Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
c/604	At Moore's Hill	323, NW. corner	La Salle County	W. P. test well	Joe W. Lang	1936	16	3	--
605	do.	do.	do.	Moore's Hill School	--	1935	74	--	0
606	$\frac{1}{2}$ mile west	1, center	C. H. Bennett	J. D. Whitmire	--	Old	71	--	0
607	$1\frac{1}{2}$ miles southeast	323, SW. $\frac{1}{4}$ NE. $\frac{1}{4}$	La Salle County	Scharbauer Cattle Co.	--	Old	54	--	0.5
608	4 miles southeast	322, NE. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	do.	--	--	90	--	1.0
609	4 $\frac{1}{2}$ miles east	322, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	do.	--	--	55	--	1.5
610	5 $\frac{1}{2}$ miles east	135, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	Simp. Holloway	Woodard School	--	--	37	--	1.0
611	6 $\frac{1}{2}$ miles east	136, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	Mrs. A. M. Woodard	--	1924	48	--	0.3
612	7 miles east	136, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	Van Chapman	--	1924	75	6	0.8
613	6 $\frac{1}{2}$ miles northeast	133, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	Mrs. Ida Wolcott	--	Old	62	--	0.5
614	7 $\frac{1}{2}$ miles east	10, SE. $\frac{1}{4}$ SW. $\frac{1}{4}$	T. 2 N. Blk. 37	J. I. Massingill	--	--	64	7	1.0
615	10 miles east	8, SE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	W. F. Stewart	--	1930	105	--	0.5
616	9 $\frac{1}{2}$ miles east	321, center	Rusk County	Henry Wolcott	--	Old	75	--	0.5
c/617	10 miles east	129, SW. $\frac{1}{4}$ SW. $\frac{1}{4}$	R. E. Montromery	W. F. A. test well	Joe W. Lang	1936	12	3	--
c/618	11 miles east	129, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	do.	do.	1936	11	3	--
619	do.	128, NE. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	Dick Knox	--	Old	87	--	0.5
620	12 miles east	2, SE. $\frac{1}{4}$ SW. $\frac{1}{4}$	T. 2 N. Blk. 37	G. I. Hall-Price	--	1932	76	--	1.5
c/621	do.	4, NW. corner	do.	W. F. A. test well	Joe W. Lang	1936	11	3	--
c/622	13 miles east	1, SE. corner	do.	do.	do.	1936	4	3	--
623	13 $\frac{1}{2}$ miles east	4, NE. corner	do.	Wolcott School	W. C. Morrow	1935	120	--	0.5
624	13 miles east	16, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	G. T. Hall	--	1925	124	--	1.0
625	12 $\frac{1}{2}$ miles east	17, SW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	do.	--	1929	86	--	0.5
626	11 $\frac{1}{2}$ miles east	18, SW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	T. E. Powell	--	1926	95	--	0.5
627	10 miles east	13, SE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	F. W. Henson	--	1926	105	--	1.0

c/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

c/ T, turbine; Cf, centrifugal; C, cylinder; B, bucket or bailer; E, electric; G, gasoline engine; W, windmill; H, hand; number indicates horsepower.

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

Joe W. Long, Project Superintendent

No.	Water Level		Pump and power b/ c/	Use of water e/	Remarks
	Depth below measur- ing point (feet)	Date of measur- ment			
604	--	--	None	N	
605	33.5	May 29, 1936	C,W	P,S	Water level recovered slowly.
606	31.6	do.	None	N	
607	30.6	do.	C,W	S	Used for range cattle. Very strong supply reported.
608	51.9	May 30, 1936	C,W	S	Do.
609	28.4	do.	C,W	S	Do.
610	23.4	May 20, 1936	C,W	P,S	Water level 23.6 on July 9, 1936.
611	33.4	do.	C,H	D,S	Water level 30.8 on July 9, 1936.
612	57.2	do.	C,H	D,S	
613	51.3	do.	C,W	D,S	Adequate supply reported.
614	52.9	do.	C,W	D,S,I	Irrigates $\frac{1}{2}$ acre garden. Adequate supply reported.
615	79.3	May 19, 1936	C,W	D,S,I	Irrigates garden. Very strong supply reported.
616	60.3	May 20, 1936	C,W	S	Two similar wells in Mustang Draw, sample from south well. Drawdown 4.5 feet pumping 5 gallon.
617	--	--	None	N	a minute
618	--	--	None	N	
619	75.3	May 19, 1936	C,W	D,S	Supplies large number of stock.
620	66.8	do.	C,W	D,S,I	Irrigates $\frac{1}{2}$ acre garden. Adequate supply.
621	--	--	None	N	
622	--	--	None	N	
623	78.8	May 1, 1936	C,W	P,D	Drilled about 15 feet into red clay at bottom. Drawdown, 17.5 feet pumping 3 gallons a minute for 4 hours.
624	84.6	do.	C,W	D,S,I	Irrigates garden. Drawdown 2.5 feet pumping 4 gallons a minute for 2 hours.
625	68.3	Mar. 26, 1936	C,W	D,S,I	Strong supply reported. Irrigates garden.
626	66.1	Apr. 9, 1936	C,W	D,S	Strong supply reported.
627	54.6	do.	C,W	I,S	Strong supply reported. 1st water at 60 to 65 feet.

e/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Moore's Mill School	Section or Labor	League or Survey	Cwner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point - above ground (ft.)
628	9 miles east	12, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	T. 2 N. Blk. 37	P. C. Tom	--	Old	69	--	0.5
e/629	7 miles east	11, NW. corner	do.	W. P. A. test well	Joe W. Lang	1936	14	3	--
e/630	6 miles east	137, NW. corner	N. A. Curtis	do.	do.	1936	5	3	--
e/631	7 $\frac{1}{2}$ miles east	140, SE. corner	do.	do.	do.	1936	7	3	--
e/632	6 $\frac{1}{2}$ miles east	1, NW. corner	T. 2 N. Blk. 38	do.	do.	1936	3	3	--
633	6 $\frac{1}{2}$ miles southeast	2, SW. NE. $\frac{1}{4}$	do.	Frank Orson	--	1905	47	--	1.0
634	4 miles southeast	324, SE. NE. $\frac{1}{4}$	La Salle County	Scharbauer Cattle Co.	--	Old	41	6	2.0
e/635	3 $\frac{1}{2}$ miles south	324, SW. NW. $\frac{1}{4}$	do.	W. P. A. test well	Joe W. Lang	1936	4	3	--
636	2 $\frac{1}{2}$ miles south	323, SW. SW. $\frac{1}{4}$	do.	Scharbauer Cattle Co.	--	--	70	6	1.3
637	2 $\frac{1}{2}$ miles south	6, NW. SE. $\frac{1}{4}$	O. H. Bennett	J. D. Whitmire	--	Old	34	--	2.0
638	1 $\frac{1}{2}$ miles south	2, NE. SW. $\frac{1}{4}$	do.	do.	Wm. Skeen	1935	57	--	1.0
639	3 $\frac{1}{2}$ miles west	20, NE. NW. $\frac{1}{4}$	T. 2 N. Blk. 39	J. E. Mabee	--	Old	44	--	1.0
640	3 $\frac{1}{2}$ miles southwest	3, SW. NW. $\frac{1}{4}$	do.	do.	--	Old	73	--	0.5
641	5 $\frac{1}{2}$ miles south	4, SE. SW. $\frac{1}{4}$	O. H. Bennett	J. D. Whitmire	Wm. Skeen	1936	82	8	0.5
642	5 miles southwest	18, center	T. 2 N. Blk. 39	J. E. Mabee	--	--	75	--	1.0
643	7 miles southwest	32, SW. corner	do.	do.	--	Old	42	--	1.5
644	5 miles south	1, SE. SE. $\frac{1}{4}$	do.	do.	Wm. Skeen	1935	74	--	1.0
645	do.	West end	R. N. Grisham	J. B. Mc Reynolds	B. Roberts	1919	35	--	0.5
e/646	do.	1 mile E. of W. end	do.	W. P. A. test well	Joe W. Lang	1936	6	3	--
647	5 $\frac{1}{2}$ miles southeast	2.5 mi. W. of E. end	do.	J. B. Mc Reynolds	--	1921	34	--	0
e/648	6 miles south	center	do.	W. P. A. test well	Joe W. Lang	1936	13	3	--
649	7 miles southeast	0.6 mi. W. of E. end	R. N. Grisham	J. B. Mc Reynolds	--	1927	42	6	0.5
e/650	do.	East end	do.	W. P. A. test well	Joe W. Lang	1936	5	3	--
651	7 $\frac{1}{2}$ miles southeast	6, SW. NE. $\frac{1}{4}$	T. 2 N. Blk. 38	S. O. Covington	--	1905	31	--	0
e/652	7 $\frac{1}{2}$ miles east	4, SE. corner	do.	W. P. A. test well	Joe W. Lang	1936	6	3	--

^{1/} Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

t/ T, turbine; Cf, centrifugal; C, cylinder; E, bucket or bailer; E, electric; G, gasoline engine; W, windmill; H, hand; number indicates horsepower.

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

Joe W. Lang, Project Superintendent

No.	Water Level		Pump and power l/ c/	Use of water e/ c/	Remarks
	Depth below measur- ing point (feet)	Date of measur- ment			
628	60.4	May 19, 1936	C,W	S	Used for range cattle. Strong supply reported.
629	--	--	None	N	
630	--	--	None	N	
631	--	--	None	N	
632	--	--	None	N	
633	32.5	May 22, 1936	C,W	D,S	Water was bad alkali first few years but has become better last few years. Drawdown, 5.0 feet
634	32.6	May 29, 1936	D,S	T	after pumping 4 gallons a minute for 2 hours
635	--	--	None	N	
636	34.8	May 29, 1936	C,W	S	Very strong well at side of small lake.
637	32.0	do.	None	N	Dug well with wood curb. Caliche from 3 to about 30 feet.
638	31.8	June 11, 1936	C,W	S	Used for range cattle.
639	33.2	June 13, 1936	C,W	S	Drawdown 2.3 feet pumping 10 gallons a minute for 4 hours.
640	28.2	do.	C,W	S	Drawdown 7.7 feet pumping 8 gallons a minute for 1 hour.
641	29.5	June 11, 1936	C,W	S	Very large supply reported.
642	37.1	June 16, 1936	C,W	S	Do.
643	32.9	June 13, 1936	C,W	S	Do.
644	36.4	June 16, 1936	C,W	S	Do.
645	32.6	May 28, 1936	C,W	D,S	Weak well.
646	--	--	None	N	
647	30.9	May 28, 1936	C,W	D,S	Weak well.
648	--	--	None	N	
649	31.4	May 28, 1936	C,W	D,S	Reported strong supply.
650	--	--	None	N	
651	26.0	May 22, 1936	C,W	S	Adequate supply. Drawdown 2 feet after pumping 3 gallons a minute for 4 hours.
652	--	--	None	N	

e/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Moore's Mill School	Section or Labor	League or Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
653	8 miles southeast	34, SW. $\frac{1}{4}$ SW. $\frac{1}{4}$	T. 2 N. Blk. 37	P. C. Tom	--	1926	35	--	1.0
654	8 miles east	23, NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	H. B. Schick	--	--	34	--	0.5
e/655	do.	do.	do.	do.	--	--	41	48	0
656	10 miles east	32, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	C. M. Houston	--	1927	57	6	0.5
657	11 miles east	32, SE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	G. T. Hall	--	1935	73	6	0.5
658	10 miles east	25, NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	J. A. Howard	--	1929	72	6	0
e/659	11 miles east	26, NE. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	W. F. A. test well	Joe W. Lang	1936	8	3	--
660	do.	26, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	G. T. Hall	--	1926	69	6	0.5
e/661	13 miles east	28, SW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	W. P. A. test well	Joe W. Lang	1936	6	3	--
662	12 $\frac{1}{2}$ miles east	29, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	G. T. Hall	--	1932	82	6	1.0
663	13 $\frac{1}{2}$ miles east	29, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	R. E. Lloyd	J. B. Read	1930	107	--	1.0
664	13 miles east	29, SW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	R. T. Kingsfield	--	--	85	6	1.0
665	13 $\frac{1}{2}$ miles east	29, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	G. T. Hall	--	1926	88	6	0.5
666	14 miles east	40, NE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	T. T. Epley	C. Brothers	1926	91	--	1.0
667	12 $\frac{1}{2}$ miles east	39, NW. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	F. P. Welch	J. Morrow	1928	88	--	1.0
668	12 miles east	39, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	H. J. Winchester	Morrow	1928	76	--	0.5
669	12 $\frac{1}{2}$ miles east	39, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	F. F. Welch	C. Brothers	1934	77	--	0.5
670	11 $\frac{1}{2}$ miles southeast	38, SW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	C. M. Houston	--	1926	73	6	2.0
671	11 miles southeast	37, NW. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	do.	--	1933	51	6	1.5
672	9 miles southeast	35, SW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	W. P. A. test well	Joe W. Lang	1936	6	3	--
673	8 $\frac{1}{2}$ miles southeast	2, NE. $\frac{1}{4}$ SE. $\frac{1}{4}$	T. 1 N. Blk. 38	E. H. Williams	--	1925	36	6	0.5
674	9 $\frac{1}{2}$ miles southeast	4, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	N. H. Badgett	--	1926	37	6	0.5
675	do.	4, SW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	Badgett School	Mize	1924	63	--	0.5
676	7 $\frac{1}{2}$ miles southeast	6, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$	M. B. & A. Blk. 38	J. E. Mabce	--	--	61	--	0.5
677	6 miles south	8, SW. $\frac{1}{4}$ SW. $\frac{1}{4}$	do.	do.	--	1935	40	--	1.0

e/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

f/ T, turbine; Cf, centrifugal; C, cylinder; B, bucket or bailer; E, electric; G, gasoline engine; W, windmill; H, hand; number indicates horsepower.

e/ I, irrigation; P, public; D, domestic; S, stock; N, not used.

Joe T. Lang, Project Superintendent

No.	Water Level		Pump and power b/ c/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measure- ment			
653	20.9	May 22, 1936	C, T	S	Very strong.
654	26.5	Apr. 10, 1936	C, W	D, S	Very strong supply.
655	26.7	do.	Q, G, 12	D, S, I	Dug well. Irrigates 7 to 10 acres with centri- fugal pump and 12 horsepower tractor. See log.
656	41.9	do.	C, W	D, S, I	Irrigates garden. Very strong supply.
657	46.5	do.	C, W	D, S	Very strong supply.
658	48.6	do.	C, W	D, S, I	Irrigates garden.
659	--	--	None	N	
660	57.9	Apr. 9, 1936	C, W	D, S	Strong well. Water level measured during high wind with mill not completely shut off.
661	--	--	None	N	
662	66.8	Apr. 9, 1936	C, W	D, S, I	Irrigates garden. Very strong supply.
663	75.3	do.	C, G, 2	D, S, I	Irrigates garden. Very strong supply. Water level 75.1 feet on July 9, 1936.
664	69.3	Mar. 26, 1936	C, W	D, S, I	Irrigates garden. Drawdown, 5 feet, pumping 2 gallons a minute for 2 hours.
665	58.0	Mar. 23, 1936	None	N	
666	70.9	do.	C, W	S	Very strong supply.
667	76.7	Mar. 26, 1936	C, W	D, S, I	Irrigates garden. Strong supply.
668	65.4	Feb. 20, 1936	C, W	D, S	Strong supply reported.
669	66.0	Mar. 26, 1936	C, W	D, S	Strong, never pumps dry.
670	59.5	Apr. 10, 1936	C, W	D, S	Adequate supply.
671	32.2	do.	C, W	S	Adequate supply for range stock.
672	--	--	None	N	
673	26.4	May 22, 1936	None	N	
674	21.7	do.	C, H	D, S	
675	32.4	May 27, 1936	C, W	P	Adequate for school use.
676	38.8	June 16, 1936	C, W	S	Used for range cattle. Drawdown 5 feet after pumping 5 gallons a minute for 2 hours.
677	22.8	do.	C, W	S	Drawdown, 2.5 feet pumping 5 gallons a minute for 2 hours.

o/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Moore's Hill School	Section or Labor	League or Survey	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
678	7 miles south	1, NW. $\frac{1}{4}$ SW. $\frac{1}{4}$	M.B.&A. Blk. 39	W. F. A. test well	Joe W. Lang	1936	24	3	0
679	do.	4, NE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	do.	do.	1936	23	3	0
680	6 $\frac{1}{2}$ miles south	4, SE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	J. E. Mabeo	--	Old	44	6	0.5
681	6 miles south	6, SW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	do.	--	--	67	--	0.5
682	7 miles south	9, NW. corner	do.	do.	--	--	67	--	1.0
683	9 $\frac{1}{2}$ miles south	7, center	T. 1 N. Blk. 39	Gladys H. Cowden	--	1930	72	--	1.0
684	8 $\frac{1}{2}$ miles south	10, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	Geo. Glass	Wm. Skoon	1936	87	--	0
685	8 miles south	12, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	J. E. Mabeo & W. M. Fylo	--	Old	58	--	0
686	9 miles southwest	7, SE. $\frac{1}{4}$ SW. $\frac{1}{4}$	T. 1 N. Blk. 38	Mabel Holt Glass	--	--	51	--	0.3
687	10 miles southwest	6, SE. $\frac{1}{4}$ SE. $\frac{1}{4}$	do.	J. W. Meek	--	1918	44	--	0
c/688	10 miles southeast	5, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	W. F. A. test well	Joe W. Lang	1936	10	3	--
c/689	do.	5, SW. corner	do.	do.	do.	1936	9	3	--
c/690	11 miles southeast	5, SE. corner	do.	W. F. Williams	--	Old	49	--	0.5
691	10 $\frac{1}{2}$ miles southwest	15, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	do.	McCandless	1936	44	9	0.5
692	11 miles southwest	16, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	W. T. Stock Raising Co.	--	--	35	--	0
693	10 miles southeast	14, SW. corner	do.	W. F. A. test well	Joe W. Lang	1936	6	3	--
694	10 miles south	14, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	T. 1 N. Blk. 39	Scharbauer Cattle Co.	--	--	85	6	1.0
695	11 miles south	20, SW. corner	do.	Gladys H. Cowden	--	Old	60	--	2.0
696	12 $\frac{1}{2}$ miles south	29, SW. $\frac{1}{4}$ SE. $\frac{1}{4}$	T. 1 N. Blk. 40	do.	--	Old	57	8	1.5
697	13 $\frac{1}{2}$ miles south	42, NW. corner	do.	W. G. Damron	--	1930	43	--	1.0
698	13 miles south	32, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	T. 1 N. Blk. 39	Gladys H. Cowden	--	--	63	--	0.5
699	13 $\frac{1}{2}$ miles south	4, SW. $\frac{1}{4}$ NW. $\frac{1}{4}$	T. 1 S. Blk. 39	Scharbauer Cattle Co.	--	Old	70	--	1.0
700	11 miles south	22, SW. corner	T. 1 N. Blk. 39	do.	--	Old	62	--	2.0
c/701	do.	25, NW. $\frac{1}{4}$ NW. $\frac{1}{4}$	do.	W. F. A. test well	Joe W. Lang	1936	14	3	--
702	do.	25, NE. $\frac{1}{4}$ NE. $\frac{1}{4}$	do.	Mabel Holt Glass	--	--	72	--	1.0

c/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

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

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

Joe W. Lang, Project Superintendent

No.	Water Level		Pump and power <u>b/</u>	Use of water <u>c/</u>	Remarks
	Depth below measuring point	Date of measurement			
678	20.5	June 12, 1936	None	N	
679	20.2	do.	None	N	
680	30.3	do.	C,W	S	Used for range cattle. Known as "boiler well."
681	33.0	June 15, 1936	C,W	D,S	Plentiful supply reported.
682	45.8	do.	C,W	S	Used for range cattle. Small dry lake near well
683	55.6	June 23, 1936	C,W	S	Do.
684	43.2	do.	--	S	New well with no curb or casing. Capacity 5 gallons a minute at first but increased to 7 after
685	31.3	June 12, 1936	C,W	S	Adequate supply reported. <u>bailing.</u> See log.
686	27.9	May 27, 1936	C,W	D,S,I	Irrigates garden. Very large supply reported.
687	22.1	do.	Cf,G, 20	I	Irrigates 25 acres. Dug to 33 feet drilled to 44 feet. Drawdown about 15 feet at 650 gallons a
688	--	--	None	N	minute. Has been pumped for 14 days and nights without failing.
689	--	--	None	N	
690	34.3	May 27, 1936	C,W	S	Used for ranch stock.
691	24.2	do.	None	N	15 feet from similar well now in use but not pumping at time of measurement. It is producing 20 gal-
692	27.4	do.	C,W	S	Used for range cattle. Very strong supply. 100 gallons a minute.
693	--	--	None	N	
694	58.8	June 13, 1936	C,W	S	Used for range cattle. Drawdown, 3.0 feet after pumping 5 gallons a minute for 2 hours.
695	26.7	June 23, 1936	C,W	S	Plentiful supply.
696	40.0	June 24, 1936	C,W	S	Drawdown 3.3 feet pumping 4 gallons a minute for 2 hours.
697	38.3	do.	C,W	S	Adequate supply reported. Drawdown, 3.3 feet pumping 5 gallons a minute for 4 hours.
698	42.4	June 23, 1936	C,W	D,S	Drawdown, 6.3 feet pumping 5 gallons a minute for 2 hours.
699	40.8	June 24, 1936	C,W	S	Drawdown, 3.0 feet pumping 5 gallons a minute for 2 hours.
700	34.7	do.	C,W	S	Drawdown, 1.7 feet pumping 5 gallons a minute for 2 hours.
701	--	--	None	N	
702	41.9	May 27, 1936	C,W	S	Used for range cattle. Strong supply.

c/ No water sample collected for analysis.

f/ Water level reported.

Records of wells in Martin County--Continued

No.	Distance from Poore's Hill School	Section or Labor	League or Survey	Owner	Driller	Date comple- ted	Depth of well (ft.)	Diam- eter of well (in.)	Height of measuring point a- bove gro- und (ft.)
703	11½ miles south	25, SW. corner	T. 1 N. Blk. 38	Mabel Holt Glass	--	--	51	--	1.0
704	13 miles southeast	28, SE.¼	do.	J. F. Nail Est.	--	--	51	--	1.0
705	do.	26, SE.¼ NE.¼	do.	J. H. Nail	--	--	53	8	4.0
706	17 miles southeast	13, SE.¼ NE.¼	T. 1 S. Blk. 38	J. D. Jones	--	--	40	8	2.0
707	14½ miles southeast	3, SW. corner	do.	J. H. Nail Est.	--	Old	51	--	1.0
708	14½ miles southeast	12, NW.¼ SW.¼	T. 1 S. Blk. 39	J. E. Mabee	--	--	80	--	0.5
709	14 miles south	11, SW.¼ NW.¼	do.	Scharbauer Cattle Co.	--	Old	38	--	1.0
710	do.	do.	do.	do.	--	--	54	--	1.0

a/ Measuring point was usually top of casing, top of pump base, top of water pipe clamp, or top of well curb.

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

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

Joe T. Laney, Project Superintendent

No.	Water Level		Pump and power b/	Use of water c/	Remarks
	Depth below measur- ing point (feet)	Date of measur- ment			
703	28.0	May 27, 1936	C, T	S	Used for range cattle. Strong supply.
704	25.2	June 17, 1936	C, T	S	Drawdown, 4 feet after pumping 5 gallons a minute for 2 hours.
705	34.2	Mar. 25, 1936	C, T	S	Do.
706	31.9	Apr. 17, 1936	C, T	D, S, I	Irrigates garden. Supply adequate for present use.
707	34.4	June 17, 1936	C, T	S	Drawdown, 0.5 feet after pumping 5 gallons a minute.
708	35.2	June 16, 1936	C, T	S	Drawdown, 39.0 feet after pumping 5 gallons a minute for 2 hours. Well slushings show red shale and mica.
709	33.9	June 24, 1936	C, T	S, I	Dug well. Irrigates garden. Plentiful supply reported.
710	39.5	do.	C, T	S	Drawdown 1 foot after pumping 5 gallons a minute for 2 hours.

b/ No water sample collected for analysis.

f/ Water level reported.

Table of Drillers' Logs, Martin County, Texas.

Reported log of well 2.

State University owner. 4 1/4 miles north-west of Goldsmith School, in the NE. 1/4, SE. 1/4, Sec. 28, Blk. 6, State University Lands.

	Thickness (feet)	Depth (feet)
Sandy red clay-	18	18
White limestone	6	24
Red sandy clay-	38	62
Quicksand with water-	24	86
Red shale	1	87

Reported log of well 20.

G.W. Teague, owner. 8 miles east of Goldsmith School in the NE. 1/4, NE. 1/4, Labor 18, League 260, Borden County School Land.

	Thickness (feet)	Depth (feet)
White clay-	7	7
Red and yellow clay	35	42
Limestone	3	45
Water sand-	14	59

Reported log of well 23.

J. V. Burk, owner. 6 miles east of Goldsmith School in the SW. 1/4, SW. 1/4, Labor 5, League 260, Borden County School Land.

	Thickness (feet)	Depth (feet)
Light sandy soil-	4	4
Sandy lime rock (caliche)	85	89
Red clay showing mica	8	97

Partial driller's log of well 117.

Humble Oil and Refining Company's. C.C. Slaughter No.1, in the NE. 1/4, NE. 1/4, Sec.8, T. 3 N., Blk. 35. 8 miles west of Ackerly. Altitude 2,722 feet above sea level.

	Thickness (feet)	Depth (feet)
Surface rock-	25	25
Red rock	340	365
Gray shale-	5	370
Red rock-	260	630
Gray lime	5	635
Gray shale-	10	645
Red rock-	45	690
White water sand, hole full of water	45	735
Blue shale-	20	755
Sandy gray shale-	25	780
Blue shale-	5	835
Red rock-	60	895
Blue shale-	5	900
Red rock-	15	915
Blue shale-	20	935
Water sand, hole full of water-	47	982
Blue shale	23	1005
Water sand	35	1040
Blue shale-	40	1080
White sand, hole full of water	20	1100

Well 117--Continued

	Thickness (feet)	Depth (feet)
Red rock-	10	1110
Blue sandy shale-	10	1120
Blue shale-	9	1129
Red rock-	6	1135
Water sand-	45	1180
Red rock-	420	1600
Rock salt	550	2150
Red sandy shale	25	2175
TOTAL DEPTH		4,335

CASING RECORD: 15 1/2 inch to 290 feet; 12 1/2 inch to 1125 feet; 10 inch to 1280 feet; 8 1/2 inch to 2410 feet; 6-5/8 inch to 3251 feet.

Reported log of well 125.

J. P. Nichols, owner. 4 miles west of Ackerly, in the bottom of a dry lake in the NE. 1/4, NW. 1/4, Sec. 19, T. 3 N., Blk. 34.

	Thickness (feet)	Depth (feet)
Black gumbo clay-	7	7
Yellow sandy clay with limestone boulders-	12	19
Sand and gravel	3	22
Red clay-	1	23

Partial driller's log of well 145.

Phillips Petroleum Co., C.C. Slaughter No.1, SE. 1/4, Sec. 77, Bauer and Cockrell Survey. 7 miles west of Ackerly. Altitude 2726 feet.

	Thickness (feet)	Depth (feet)
Cellar-	15	15
White sandy shale	15	30
Surface, white-	30	60
Sand and gravel, water-	15	75
Red bed	5	80
Sand and gravel	10	90
Red bed-	25	115
White sandy shale	20	135
Red	100	235
Lime	10	245
Red bed	25	270
Sand-	10	280
Red bed	90	370
White sandy shale	10	380
Pink shale-	10	390
Red bed	360	750
Brown shale, hole full of water	15	765
Water sand, caving-	35	800
White sand-	10	810
Blue shale-	70	880
Red beds	190	1070
Blue shale-	50	1120
Red beds, 5 bailers of water an hour	20	1140
Sand	50	1190

Table of Drillers' Logs, Martin County--Continued

Driller's log of well 145--Continued

	Thickness (feet)	Depth (feet)
Red bed- - - - -	15	1205
Red sand, hole full of water	105	1310
Red bed- - - - -	360	1670
Gypsum- - - - -	15	1685
Salt- - - - -	600	2285
Red bed- - - - -	40	2325
Gypsum - - - - -	60	2385
Sand- - - - -	15	2400
Red bed, gypsum and shells	330	2730
TOTAL DEPTH- - - - -		4,440
CASING RECORD: 20 inch to 210 feet; 15½ inch to 503 feet; 12½ inch to 1315 feet; 10 inch to 2180 feet; 8¼ inch to 3409 feet.		

Reported log of well 155.

R. E. Carrol, owner. NE.¼, NE.¼ Sec. 44; T. 3 N., Blk. 34.

Brown sandy clay- - - - -	15	15
Yellow sandy and calcareous clay- - - - -	25	40
Soft white sandstone and gravel- - - - -	15	55
Sand and gravel- - - - -	5	60
Red sandy clay and clay- -	15	75

Notes in connection with wells 212 and 223, owned by the Martin County Fresh Water Supply Company, District No. 1.

There are 37½ sections in this district supplied by pipeline with fresh water from wells in the plains area west of the escarpment. This "Dry Flat", as it is called, has very few wells that furnish usable water. A few deep wells, all into red clay, have been drilled and these found heavily mineralized water at 300 to 500 feet. There is no shallow water except in the draws or sinks and most of this is not usable.

There are three systems in the district. The north system has 3 wells, the central system has 2 wells, and the south system has one well. The south system's well has 4 inch tubing, 3-¾ inch cylinder and 3½ horsepower gasoline engine or windmill. This well does not pump out and is able to supply the demand on it. The wells in the other two systems have 3 inch tubing, 2-¾ inch cylinders, and the same power as the south well. These wells will pump down and are unable to supply sufficient water. A well 30 feet from well 223 will pump out in 45 minutes. All of the wells except well 212, are less than 1,000

Notes on wells 212 and 223 Con'td. feet west of the escarpment. Well 212, is about ½ mile west of the escarpment and should furnish a large supply of water.

The contract with this company calls for an opening to their pipeline on every quarter section at a cost of \$40.00 and a rate of \$1.50 a month for 250 gallons a day.

Reported log of well 233.

George Cathey, owner. 10½ miles north of Stanton, in SW.¼, SE.¼, Sec. 48, T. 2 N., Blk. 36.

	Thickness (feet)	Depth (feet)
Sandy clay- - - - -	12	12
Sand with water seep- - - -	12	14
Soft sandstone with water in quicksand at bottom - - -	25	39

Reported log of well 272.

C. S. Anderson, owner. 9½ miles northeast of Stanton, NE.¼, NW.¼, Sec. 25, T. 1 N., Blk. 35.

Brown sandy soil- - - - -	4	4
Pink sandy, limy clay - - -	3	7
White limy sandy clay- - -	4	11
Red pack sand with few gravels	20	31
Sand and gravel- - - - -	6	37
Red clay- - - - -	4	41

Reported information of well 274A.

Sam Fisherman, owner, in center of Sec. 26, T. 1 N., Blk. 35.

Well drilled to 466 feet but found only bad water and was abandoned and plugged.

Reported log of well 283.

Nat Williams, owner. 11½ miles west of Stanton, .3 mile north of southwest corner of Sec. 29, T. 1 N., Blk. 37.

Yellow sandy lime and clay- -	20	20
Red sandy clay- - - - -	15	35
Boulders, gravel, and sand, first water- - - - -	5	40
Sand and gravel- - - - -	20	60

Reported log of well 289.

A.L. Hull owner. 8½ miles northwest of Stanton, in southwest corner of SE.¼, Sec. 34, T. 1 N., Blk. 37.

Sand and sandy red clay- - -	10	10
Broken limestone and caliche-		

(Continued next page)

Table of Drillers' Logs, Martin County--Continued

Driller's log of well 289--Continued

	Thickness (feet)	Depth (feet)
mixed with limy clay- - - -	30	40
Sand and gravel- - - - -	10	50

Reported log of well 364.

J.C. Peters, owner. 3 miles northwest of Stanton, NE. $\frac{1}{4}$, SE. $\frac{1}{4}$, Sec. 4, T. 1 S., Blk. 35.

	Thickness (feet)	Depth (feet)
Sandy brown clay- - - - -	10	10
Yellow sandy clay and caliche- - - - -	20	30
Sandstone- - - - -	20	50
Gravel and sand containing fossils - - - - -	10	60
Alternating beds of loose water sand and hard pans of fossils and lime- - - - -	25	85
Hard limy fossil beds (Gryphaea and Exogyra). - - - -	18	103
Water sand and gravel - - -	15	118
Lime and fossil fragments -	10	128
Water gravel- - - - -	6	134
Red clay with beds of water bearing sand and gravel about every 8 to 10 feet.	41	175

Partial Driller's log of well 421. American Glycerin Co., owner. NW. $\frac{1}{4}$, NW. $\frac{1}{4}$, Sec. 17, T. 1 S, Blk. 35.

First water at 96 feet produced 8 gallons a minute.

From 100 to 150 feet a series of sandstone and gravel beds containing water. Red beds struck at 150 feet.

Tested at 27 gallons a minute with bailer. Tested at 35 gallons a minute with tubing & cylinder. Estimated production 50 gallons a minute with 6 inch turbine.

Another well drilled to red beds in the northwest corner of NE. $\frac{1}{4}$, NW. $\frac{1}{4}$, Sec. 17, produced only 6 gallons a minute. A third well to red beds in the northeast corner of NE. $\frac{1}{4}$, NW. $\frac{1}{4}$, Sec. 17, produced only 2 $\frac{1}{2}$ gallons a minute.

Reported log of well 444.

C.B. Parker, owner. 8 miles west of Stanton, northeast corner of Sec. 16, T. 1 S., Blk. 37.

	Thickness (feet)	Depth (feet)
Sand and sandy clay- - - - -	30	30
Red clay- - - - -	5	35
Limestone boulders- - - - -	5	40
Gravel and sand - - - - -	7	47

Driller's log of well 467.

City of Stanton, owner. In Stanton at St. Peter and V Streets. Altitude 2659 feet above sea level.

	Thickness (feet)	Depth (feet)
Top soil- - - - -	4	4
Caliche- - - - -	20	24
Boulders - - - - -	5	29
Dry sand - - - - -	7	36
Boulders - - - - -	5	41
Dry sand - - - - -	5	46
Boulders - - - - -	16	72
Water bearing "quicksand"- -	18	90
Red clay - - - - -	10	100
Water bearing sand and gravel - - - - -	34	134
Lime rock- - - - -	1	135
TOTAL DEPTH- - - - -		135

6-5/8 inch casing at top and 5-5/8 inch casing at bottom. Lower 40 feet is perforated with $\frac{1}{4}$ inch holes. Well has been tested at 230 gallons a minute.

Partial driller's log of well 482 - A F.A. King No. 1, SW. $\frac{1}{4}$, Sec. 30, T. 1 S., Blk. 35, 2 $\frac{1}{2}$ miles SE. of Ackerly.

	Thickness (feet)	Depth (feet)
Surface sand and caliche- - -	8	8
Caliche- - - - -	12	20
Yellow clay- - - - -	10	30
Yellow shale - - - - -	5	35
White lime- - - - -	10	45
Lime- - - - -	15	60
Caliche - - - - -	5	65
Sand- - - - -	10	75
Red bed - - - - -	125	200
Hard sand - - - - -	10	210
Red bed- - - - -	300	510
Red sand- - - - -	30	540
Red rock- - - - -	110	650
Red bed and shells- - - - -	203	853
Red bed - - - - -	27	880
Broken sand- - - - -	13	893
Sand and lime shells - - - -	27	920
Sand and shells- - - - -	50	970
Sandy red rock - - - - -	20	990
Shale- - - - -	5	995
Sand and shells- - - - -	58	1053
Sand- - - - -	7	1060
Red rock- - - - -	18	1078
Sandy red rock- - - - -	12	1090
Red sand- - - - -	28	1118
Red rock- - - - -	14	1132
Sand- - - - -	15	1147
Red rock- - - - -	23	1170
Broken sand - - - - -	15	1185
Red rock- - - - -	33	1218
Sandy red rock- - - - -	32	1250

(Continued next page)

Table of Drillers' Logs, Martin County--Continued

Driller's log of well 482-A-Continued

	Thickness (feet)	Depth (feet)
Sand- - - - -	10	1260
Red rock- - - - -	14	1274
Broken sandy shale- - - - -	22	1296
Sand- - - - -	9	1305
Hard sand - - - - -	5	1310
Broken sandy lime - - - - -	12	1322
Sandy lime- - - - -	2	1324
Red rock- - - - -	93	1417
Lime- - - - -	23	1440
Sand soft - - - - -	10	1450
Red rock and anhydrite- - - - -	15	1465
Red rock- - - - -	14	1479
Anhydrite - - - - -	66	1545
Silt- - - - -	35	1570
Lime- - - - -	6	1576
Lime and broken salt- - - - -	24	1600
Lime- - - - -	2	1602
Broken sand - - - - -	10	1612
Hard lime - - - - -	5	1617
Salt, anhydrite and shells- - - - -	5	1622
Salt, potash and shells- - - - -	11	1633
Sandy red rock- - - - -	22	1655
Red rock, anhydrite and shells	35	1690
Red rock - - - - -	4	1694
Anhydrite and shells - - - - -	25	1719
Anhydrite- - - - -	6	1725
Salt and potash- - - - -	20	1745
Potash- - - - -	15	1760
Salt and potash - - - - -	200	1960
Gray lime- - - - -	15	1975
Salt and potash- - - - -	95	2070
TOTAL DEPTH- - - - -		3560

CASING RECORD: 15 $\frac{1}{2}$ inch to 60 feet; 10 inch to 1612 feet; 8 $\frac{1}{2}$ inch to 3140 feet.

Reported log of well 483.
N. Kaderli, owner. 1 $\frac{1}{2}$ miles south of Stanton, in center of NW $\frac{1}{4}$, Sec. 25, T. 1 S., Blk. 36.

Sand and red sandy clay- - -	10	10
Broken limestone and limy clay	45	55
Red clay- - - - -	20	75
Hard limestone- - - - -	15	90
Quicksand- - - - -	26	116
Gravel bed with shells (water worn Exogyra Texana)	4	120

Reported log of well 50 feet from well 484, owned by N. Kaderli, in NW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 25, T. 1 S., Blk. 36.

Red sand and sandy clay- - -	10	10
Alternating beds of limestone boulders and sandy limy clay	50	60
Red clay and sandy shale - -	20	80
Limestone- - - - -	10	90

Reported log of well 50 feet from well 484--Continued

	Thickness (feet)	Depth (feet)
Quicksand- - - - -	20	110
Gravel bed with fossil fragments- - - - -	10	120
Red sandy clay - - - - -	10	130
Red sandstone- - - - -	2	132
Red clay and shale- - - - -	24	156
Well now filled in.		

Log of well 655. H.B. Schick, Owner
8 miles east of Moore's Hill School, in NE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 23, T. 2 N. Blk. 37.

Brown sandy clay- - - - -	3	3
Caliche- - - - -	10	13
Quartzite? and caliche - - - -	14	27
Under water- - - - -	7	34

Driller's log of well 684.
Geo. Glass, owner. 8 $\frac{1}{2}$ miles south of Moore's Hill School, in NE $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 10, T. 1 N. Blk. 39.

Brown limy sand- - - - -	1	1
Foggy, brittle, limestone	13	13
Sand, weak water- - - - -	11	54
Red sandy clay - - - - -	6	60
Sand, weak water- - - - -	5	65
Blue shale- - - - -	5	70
Fine sand, main water - - - -	15	85
Red clay- - - - -	2	87

Logs of test holes drilled by W. P. A. labor in Martin County, Texas.
 Samples examined and classified by J. W. Lang, Project Superintendent.

Hole 1
 4 miles northwest of Goldsmith School in the SE. $\frac{1}{4}$, SE. $\frac{1}{4}$, Sec. 28, Blk. 6, State University Land.

	Thickness (feet)	Depth (feet)
Sandy red soil - - - - -	4	4
sandy red clay - - - - -	14	18
Hit rock (caliche) - - - - -		18

Hole 7
 2 $\frac{3}{4}$ miles north of Goldsmith School in the NW. corner of Labor 24, League 263, Kent County School Land.

Brown limy sand - - - - -	9	9
Yellow clay with a little sand	15 $\frac{1}{2}$	24

Hole 8
 4 miles north of Goldsmith School in the SE. corner Labor 13, League 263, Kent County School Land.

Brown limy sand - - - - -	2	2
Yellow clay - - - - -	8	10
Yellow quicksand - - - - -	4	14
Sandy yellow clay - - - - -	10	24

Hole 15
 7 $\frac{1}{2}$ miles northeast of Goldsmith School, 0.4 mile west of the SW. corner of Labor 15, League 260, Borden County School Land.

Red sand - - - - -	5	5
Yellow, limy, sandy clay - - -	9	14
Struck rock - - - - -		14

Hole 16
 7 $\frac{1}{2}$ miles northeast of Goldsmith School in the SW. corner of Labor 15, League 260, Borden County School Land.

Red sand - - - - -	4	4
Struck rock (caliche) - - - - -		4

Hole 18
 8 $\frac{1}{2}$ miles northeast of Goldsmith School, center of north line of Labor 21, League 260, Borden County School Land.

Red sand - - - - -	9	9
Struck rock - - - - -		9
Moved 600 feet west.		
Red sand - - - - -	5	5
Yellow sandy clay - - - - -	3	8
Struck rock - - - - -		8

Hole 22
 7 miles east of Goldsmith School, SE. $\frac{1}{2}$, SE. $\frac{1}{2}$, Labor 6, League 260, Borden County School Land.

Red sand and sandy clay - - - -	4	4
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Hole 22--Continued
 Thickness (feet) | Depth (feet)

Hit caliche rock - - - - -		4
Moved 800 feet west		
Red sand and sandy clay - - -	4	4
Yellow sandy clay - - - - -	2	6

Hole 24
 5 miles east of Goldsmith School, SW. $\frac{1}{4}$, SE. $\frac{1}{4}$, Labor 16, League 259, Borden County School Land.

Red sand - - - - -	6	6
Chalky lime - - - - -	1	7
Yellow sand - - - - -	6	13
Brown sand with lime and lime gravel - - - - -	13	26

Hole 26
 3 $\frac{1}{2}$ miles northeast of Goldsmith School, NW. $\frac{1}{4}$, NW. $\frac{1}{4}$, Labor 3, League 259, Borden County School Land.

White, sandy, limy, soil - - -	2	2
Chalky lime - - - - -	12	14

Hole 27
 1 $\frac{1}{2}$ miles northeast of Goldsmith School, NE. $\frac{1}{4}$, SW. $\frac{1}{4}$, League 258, Briscoe County School Land.

Brown limy sand - - - - -	4	4
White limy clay and sandy with gypsum crystals - - - - -	11	15
White water sand - - - - -	4	19
See table of water analyses.		

Hole 28
 At Goldsmith School, Se. $\frac{1}{4}$, SE. $\frac{1}{4}$, League 257, Briscoe County School Land.

Brown sand - - - - -	6	6
Gravel in limy clay - - - - -	2	8
Yellow limy clay - - - - -	9	17

Hole 34
 4 $\frac{1}{2}$ miles south of Goldsmith School, SE. $\frac{1}{4}$, NW. $\frac{1}{4}$, League 249, Hartley County School Land.

Brown torred sand and sandy clay - - - - -	3	3
Yellow limy clay - - - - -	2	5
Red sand, some gravel and limy clay - - - - -	12	17

Hole 105
 14 miles east of Ackerly, NW. $\frac{1}{4}$, NW. $\frac{1}{4}$, Section 4, Blk. 26, T. 3 N.

Red sand and clay - - - - -	4	4
White-yellow limy clay, little sand - - - - -	10	14

Logs of W. P. A. test holes--Continued

Hole 108
12 miles west of Ackerly, NW. corner
Sec. 2, Blk. 36, T. 3 N.

	Thickness (feet)	Depth (feet)
Brown and red sand and sandy clay- - - - -	10	10
Dark brown sandy clay- - - - -	5	15

Hole 111
10 miles west of Ackerly, NW. corner
Sec. 6, Blk. 35, T. 3 N.

Red sand- - - - -	8	8
Yellow limy clay- - - - -	12	20

Hole 120
6 miles west of Ackerly, NW. corner of
Sec. 14, Blk. 35, T. 3 N.

Brown sandy clay- - - - -	4	4
Sandy yellow clay - - - - -	6	10
White lime (chalk)- - - - -	7	17

Hole 123
In the bottom of a "dry lake", 4¹/₂ miles
west of Ackerly, SW.¹/₄, SE.¹/₄, Sec. 12,
Blk. 35, T. 3 N.

Black gumbo or clay- - - - -	6	6
Iron colored lime and clay - - -	4	10
White sandy lime with water- - -	10	20
Gray sand with iron shots - - -		
containing water- - - - -	3	23
Struck solid rock- - - - -		23

See table of water analyses.

Hole 138
6 miles southwest of Ackerly, NW. corner;
Sec. 25, Blk. 35, T. 3 N.

Brown sandy clay- - - - -	5	5
Yellow, limy and sandy clay- - -	15 ¹ / ₂	20

Hole 141
15 miles west of Ackerly, NE.¹/₄, NE.¹/₄, Sec.
6, Blk. 36, T. 3 N.

Gray sandy clay soil- - - - -	2	2
Yellow clay- - - - -	6 ¹ / ₂	8

Hole 142
13 miles west of Ackerly, NW.¹/₄, Wy.¹/₄,
Sec. 6, Blk. 36, T. 3 N.

Red sandy soil- - - - -	6	6
White limy clay - - - - -	2	8
Caliche rock and limestone boulders- - - - -	4	12
Limy sand- - - - -	2	14
Rock, caliche boulders- - - - -		14

Hole 149
In bottom of Sulphur Draw, 10 miles
southwest of Ackerly, SW. corner of
Sec. 37, Bauer and Cockrell Survey.

	Thickness (feet)	Depth (feet)
Light brown sand with little clay- - - - -	3	3
Fine brown sand- - - - -	5	8
Coarse brown sand- - - - -	1	9
Water at 10 feet		
Gravel and sand- - - - -	1 ¹ / ₂	10 ¹ / ₂
Red clay (no sand) - - - - -	1 ¹ / ₂	12

Hole 151
7 miles southwest of Ackerly, NW. corner
of Sec. 34, Blk. 35, T. 3 N.

Brown sandy clay soil- - - - -	4	4
Yellow sandy lime- - - - -	14	18
Sandy yellow clay- - - - -	5 ¹ / ₂	23

Hole 156
4¹/₂ miles south of Ackerly, SW.¹/₄, NW.¹/₄,
Sec. 38, Blk. 44, T. 3 N.

Brown sandy clay soil- - - - -	4	4
Yellow sandy clay- - - - -	3	7
Caliche with limestone boulders- - - - -	12	19
Water in sand- - - - -	1	20
Pink sandy clay with large and small gravel of many colors - -	2	22

See table of water analyses.

Hole 166
In bottom of draw, 8¹/₂ miles southwest of
Ackerly, 0.3 mile north of southwest
corner Sec. 38, Blk. 35, T. 3 N.

Sand and sandy clay- - - - -	4	4
White sandy limy clay- - - - -	5	9
Caliche rock- - - - -	2	11
Yellow sandy clay- - - - -	8 ¹ / ₂	19

Hole 167
On sand hill, 9 miles southwest of Ackerly
0.1 mile south of corner of sections 66,
67, 48, and 38. Blk. 35, T. 3 N.

Red sand- - - - -	18	18
White sand- - - - -	6	24
Yellow limy sand- - - - -	2	26
Yellow spotted sandy clay (limy)- - - - -	7	33
Caliche rock - - - - -	2	35
Yellow sandy clay- - - - -	10	45

Hole 168
9 miles southwest of Ackerly in southwest
corner of Sec. 66, Bauer and Cockrell Suv.

Red sand and sandy red-brown clay- - - - -	18	18
Yellow sandy clay- - - - -	3 ¹ / ₂	21

Logs of W. P. A. test holes--Continued

Hole 169

On side of Sulphur Draw, 11 miles southwest of Ackerly, in SW. 1/4, NE. 1, Sec. 40, Blk. 35, T. 3 N.

	Thickness (feet)	Depth (feet)
Brown sand- - - - -	4	4
Yellow sandy clay with gravel	6	10
Coarse sand and gravel (salt water)- - - - -	4	14
See table of Water analyses.		

Hole 170

On side of Sulphur Draw, 11 miles southwest of Ackerly, in SW. 1/4, NE. 1, Sec. 40, Blk. 35, T. 3 N.

	Thickness (feet)	Depth (feet)
Brown sand- - - - -	1	1
Yellow sandy clay - - - - -	8	9
Black gumbo - - - - -	1	10
Coarse sand and gravel with water (salt) - - - - -	3	13
See table of Water analyses.		

Hole 175

12 miles southwest of Ackerly, NE. 1/4, NW. 1/4, Sec. 29, T. 3 N., Blk. 36.

	Thickness (feet)	Depth (feet)
Red sand- - - - -	4	4
Brown pack sand - - - - -	5	9
Yellow clay with some lime pebbles- - - - -	2	11
Brown sand- - - - -	4	15

Hole 176

In bottom of draw, 13 miles southwest of Ackerly, NW. 1/4, NW. 1/4, Sec. 29, T. 3 N., Blk. 36.

	Thickness (feet)	Depth (feet)
Brown sandy soil- - - - -	4	4
Clay and caliche rock - - - - -	6	10
Struck rock- - - - -		10

Hole 182

In bottom of small draw, 14 miles southwest of Ackerly, SE. 1/4, NE. 1/4, Sec. 3, T. 3 N., Blk. 36.

	Thickness (feet)	Depth (feet)
Black sandy loam- - - - -	5	5
Yellow sandy clay - - - - -	10	15
Yellow clay and gravel- - - - -	2	17
Struck caliche rock,		

Hole 183

12 1/2 miles southwest of Ackerly, NE. 1/4, NE. 1/4, Sec. 12, T. 2 N., Blk. 36.

	Thickness (feet)	Depth (feet)
Brown sand- - - - -	4	4
Red clay- - - - -	4	8
Limy clay (yellow) with rock and pebbles- - - - -	12	20

Hole 186

12 miles southwest of Ackerly, in NW. corner of Sec. 4, T. 2 N., Blk. 35.

	Thickness (feet)	Depth (feet)
Brown sand and sandy clay- -	4	4
Yellow sandy clay and clay -	10	14
Struck rock (caliche)- - - -		14

Hole 189

11 miles south of Ackerly, on side of hill in Northwest corner of Sec. 7, T. 2 N., Blk. 35.

	Thickness (feet)	Depth (feet)
Brown sand and sandy clay- -	2	2
Red sand and clay- - - - -	5	7
Caliche (solid rock) - - - - -	1 1/2	7 1/2
Second hole 200 feet away.		
Brown sand and sandy clay- -	2	2
Red sandy clay- - - - -	3	5
Yellow sandy clay - - - - -	5	10
Struck rock- - - - -		10

Hole 192

14 1/2 miles southwest of Ackerly, SE. 1/4, SE. 1/4, Sec. 10, T. 2 N., Blk. 36.

	Thickness (feet)	Depth (feet)
Brown sandy soil- - - - -	3	3
Yellow sandy clay - - - - -	7	10
Caliche rock- - - - -	3	13
Yellow clay- - - - -	5	18
Red clay- - - - -	3 1/2	21

Hole 201

15 miles northwest of Stanton, southwest corner of Sec. 20, T. 2 N., Blk. 36.

	Thickness (feet)	Depth (feet)
Brown sandy clay soil- - - - -	4	4
Yellow clay, trace of sand - -	6	10
Caliche rock- - - - -		10

Hole 203

In broad valley flat, 15 miles north of Stanton, southwest corner of Sec. 24, T. 2 N., Blk. 36.

	Thickness (feet)	Depth (feet)
Brown sandy clay- - - - -	3	3
Yellow limy, sandy, clay- - -	20 1/2	23

Hole 204

In bottom of dry lake, 15 miles north of Stanton, southwest corner of Sec. 11, T. 2 N. Blk. 35.

	Thickness (feet)	Depth (feet)
Black soil- - - - -	3	3
Red sandy clay- - - - -	5	8
White sand- - - - -	4	12
Yellow clay - - - - -	3	15
Water at 16 feet.		
White sand with gravel- - - -	2	17
Red sandy clay and gravel - -	2	19
See table of water analyses.		

Logs of W. P. A. test holes --Continued

Hole 206

In bottom of small sink, 15 miles north of Stanton, southeast corner of Sec. 11, T. 2 N., Blk, 35.

	Thickness (feet)	Depth (feet)
Black gumbo clay- - - - -	2	2
Yellow clay(some sand)- - - -	12 1/2	14

Hole 207

In bottom of Sulphur Draw, 16 miles north of Stanton, in northeast corner of Sec. 13, T. 2 N., Blk. 35.

Black gumbo clay- - - - -	5	5
Water at 6 feet.		
Fine white sand(quicksand)- -	3	8
Second test hole 600 feet east.		
Brown sand and red-brown sandy clay- - - - -	9	9
Yellow sandy clay and caliche	2 1/2	11

Hole 209

14 1/2 miles north of Stanton, 0.1 mile west of northeast corner Sec. 27, T. 2 N., Block. 35.

Sandy soil- - - - -	4	4
Yellow clay- - - - -	11	15
Brittle caliche rock - - - -	6 1/2	21

Hole 213

13 1/2 miles north of Stanton, in northwest corner of Sec. 22, T. 2 N., Blk. 35.

Brown sandy clay- - - - -	4	4
Yellow sandy clay- - - - -	10	14

Hole 214

In bottom of draw, 14 miles north of Stanton, in southwest corner of Sec. 17, T. 2N., Blk. 35.

Black loam- - - - -	1	1
White limy sandy clay - - - -	13	14
Coarse gravel and sand- - - -	2	16
Water at 15 feet.		
White water sand-with gravel- -	2	18
Red clay with gravel and sand	1 1/2	19
See table of water analyses.		

Hole 215

13 1/2 miles north of Stanton, southwest corner of Sec. 24, T. 2 N., Blk, 35.

Brown sandy clay- - - - -	3	3
White limy sandy clay- - - - -	6	9
Pink sandy limy clay - - - - -	7	16
Struck rock at 16 feet.		
Second hole 600 feet north of-215.		
Brown sandy clay- - - - -	3	3
Yellow to white clay and sandy lime- - - - -	6	9
Pink sandy clay- - - - -	6 1/2	15

Hole 220

13 miles north of Stanton, NW. corner of Sec. 32, T. 2 N., Blk. 35.

	Thickness (feet)	Depth (feet)
Brown sandy loam- - - - -	3	3
Yellow limy clay- - - - -	17	20
Struck limestone boulder or hard caliche at 20 feet.		

Hole 220a

In bottom of dry lake, 13 miles north of Stanton, NW. 1/4, NW. 1/4, Sec. 30, T. 2 N., Blk, 35.

Black gumbo- - - - -	3	3
White sand- - - - -	3	6
Yellow clay (little sand) - -	4	10
Water at 12 feet.		
Yellow to white clayey sand, very limy- - - - -	4	14

Hole 221

12 miles north of Stanton, in southeast corner of Sec. 38, T. 2 N., Blk, 36.

Sandy brown soil- - - - -	3	3
White sandy lime, dry and hard- - - - -	9 1/2	12
Two other holes were dug 0.5 mile west of 221 and both were on hard caliche or limestone at 4 feet and 6 feet.		

Hole 225

12 miles north of Stanton, in southwest corner of Sec. 40, T. 2 N., Blk. 36.

Sandy brown clay- - - - -	4	4
Yellow sandy lime - - - - -	6 1/2	10
(Very dry and hard)		

Another hole was drilled 0.7 mile south of 225 - in a dry lake bottom.

Hard dry gumbo very hard to dig- - - - -	7	7
Solid rock was struck in lake bottom 1 mile southeast of this location at depths of 4 to 12 feet.		

Hole 227

13 1/2 miles northwest of Stanton northwest corner of Sec. 42, T. 2 N., Blk. 36.

Red sandy soil- - - - -	3	3
Yellow clay- - - - -	2	5
Caliche rock - - - - -		5
Second hole in lake bed west of 227.		
Brown clay- - - - -	4	4
Yellow sandy clay- - - - -	3	7
White sandy limy clay - - - -	7 1/2	14

Logs of W. P. A. test holes--Continued

Hole 235

On top of small hill, 13 miles north of Stanton, 0.4 miles north of southwest corner of Sec. 38, T. 2 N., Blk. 35.

	Thickness (feet)	Depth (feet)
Brown sandy clay top soil- - -	3	3
Brown limy sand- - - - -	1	4
White lime and sandy clay- - -	10	14
Light brown to reddish-brown sand and sandy clay- - - - -	9 1/2	23

Hole 236

In bottom of Sulphur Draw, 0.5 mile north of southwest corner of Sec. 1, T. 1 N., Blk. 35.

Brown sandy clay- - - - -	3	3
White sand - salty- - - - -	5	8
Quicksand and gravel with water- - - - -	3	11
Red clay with yellow spots and blue streaks - also gypsum crystals and pockets- - - - -	2 1/2	13

See table of water analyses.

Hole 238

In bottom of lake, 10 miles north of Stanton, in southwest corner of Sec. 3, T. 1 N., Blk. 36.

Black gumbo clay- - - - -	3	3
Yellow limy sandy clay- - - - -	1	4

Solid rock at 4 feet.

Hole 238-A, 600 feet north of 238. Same log except solid rock was hit at 10 feet.

Hole 238-B, 600 feet south of 238-A. Same log- rock at 12 feet.

Hole 245

In sand hills, 12 miles northwest of Stanton, in southwest corner of Sec. 2, T. 1 N., Blk. 37.

Red sand- - - - -	7	7
Greenish-Yellow sandy clay- more sand than limy-clay - -	5	12
Blue sandy clay- - - - -	2	14
White lime, changes to yellow	2	16
Yellow gravelly (lime pebbles) and clayey sand- - - - -	5 1/2	21

Hole 246

In bottom of Mustang Draw, 14 miles northwest of Stanton, N.W. 1/4, NE. 1/4, Sec. 7, T. 1 N. Blk. 37.

Dark brown sandy clay soil- -	4	4
Limy sandy clay- - - - -	3	7
Limy sandy gravel with snail shells and small fossils- -	1	8
Limestone boulders- - - - -	1 1/2	9

Quit hole in very hard caliche and flint boulders - like quartzite at 9 feet.

Hole 249

In bottom of dry lake, 10 miles northwest of Stanton, 0.4 mile north of southwest corner of Sec. 7, T. 1 N., Blk. 3

	Thickness (feet)	Depth (feet)
Black gumbo clay- - - - -	6	6
White sand- - - - -	2	8
Yellow sandy clay- - - - -	9	17
White sandy clay- - - - -	2	19
Red sand with boulders (lime-stone and sandstone)- - - - -	2	21
Quit on solid limestone- - - - -		21

Hole 250

10 miles north of Stanton, northwest corner Sec. 9, T. 1 N., Blk. 36.

Brown sandy clay- - - - -	3	3
Yellow limy sandy clay- - - - -	2	5

Solid rock-limestone at 5 feet.

Hole 250-A 1 mile south of 250; had same log with solid rock at 5.5 feet.

Hole 255

In bottom of draw, 11 miles northeast of Stanton, SW. 1/4, SE. 1/4, Sec. 12, T. 1 N., Blk. 35.

Brown sandy clay soil- - - - -	6	6
Quicksand- - - - -	4	10

Peg-gravel at bottom. Hit water at 10 feet. See table of water analyses.

Hole 259

In bottom of dry lake, 9 miles north of Stanton, 0.3 mile south of northwest corner of Sec. 15, T. 1 N., Blk. 36.

Black gumbo clay- - - - -	5	5
Yellow limy clay with streaks of sand and calcareous material	13	18

Quit hole at 18 feet on solid limestone. Drilled hole in bottom of dry lake 0.8 mile north of 259 and hit solid rock at 4 feet.

Hole 263

13 miles northwest of Stanton, northwest corner Sec. 10, T. 1 N., Blk. 37.

Red sand and sandy clay- - -	12	12
Yellow sandy limy clay- - -	14	26

Quit in caliche and broken limestone rock.

Hole 266

In sandhills, 9 miles northwest of Stanton, northeast corner of Sec. 24, T. 1 N., Blk. 37.

Red sand and blow sand- - - -	2	2
Sandy red clay- - - - -	4	6
Solid rock-caliche- - - - -		6

Two other test holes were dug 0.1 and 0.2 mile SW. along sec. line. Black to brown sandy clay at top. Hit caliche at 5 feet.

Logs of W. P. A. test holes--Continued

Hole 269

In small draw, 8¹/₂ miles northeast of Stanton, 0.5 mile north of southwest corner of Sec. 22, T. 1 N., Blk, 35.

	Thickness (feet)	Depth (feet)
Brown sandy clay- - - - -	3	3
Pink-yellow sandy clay- - - - -	2	5
Red clay- - - - -	14 ¹ / ₂	19

Hole 274

In valley flat, 9 miles northeast of Stanton, southeast corner of Southwest ¹/₄, Sec. 25, T. 1 N., Blk. 35.

Brownish-yellow sandy clay- - -	2	2
Yellow sandy clay- - - - -	1	3
White sand and gravel- - - - -	2	5
Reddish-yellow sand and gravel, damp- - - - -	2	7
Red clay- - - - -	5 ¹ / ₂	12

Hole 275

On ridge, 8 miles northeast of Stanton, SE.¹/₄, SE.¹/₄, Sec. 27, T. 1 N., Blk, 35.

Brown sandy top soil- - - - -	3	3
Caliche (solid rock)- - - - -	1 ¹ / ₂	4 ¹ / ₂
Caliche (yellow limy clay)- - -	5 ¹ / ₂	10
Pink limy clay- - - - -	10	20
Pink limy shale (almost a limestone with mica specks) - -	7 ¹ / ₂	27

First 18 feet of this hole was a dug well and last 9 feet was test well.

Hole 276

8 miles northeast of Stanton, in northwest corner of Sec. 27, T. 1 N., Blk, 35.

Brown sandy clay- - - - -	4	4
Pink sandy clay and gravel- - -	14	18
Red clay- - - - -	2 ¹ / ₂	20

Hole 277

7 miles northeast of Stanton, southwest corner of Sec. 29, T. 1 N., Blk, 35.

Wind blown sand (red)- - - - -	2	2
Red sandy clay- - - - -	3	5
Yellow sandy clay - - - - -	2	7
Caliche (some sand), rock and gravel - - - - -	1 ¹ / ₂	8

Hole 281

8 miles northwest of Stanton, in northeast corner of Sec. 25, T. 1 N., Blk, 37.

Sandy red clay and sand- - - - -	2	2
Limy clay-sandy- - - - -	1 ¹ / ₂	3 ¹ / ₂
Caliche- - - - -		3 ¹ / ₂

3 holes dug here about 200 yards apart-all struck caliche at 3 to 5 feet deep. Another hole 0.5 mile north of 281.

Hole 281--Continued

	Thickness (feet)	Depth (feet)
Sandy brown clay- - - - -	5	5
Red to yellowish sandy clay - -	6	11
Hit solid rock at 11 feet (caliche or limestone) - - -		11

Hole 286

In broad flat, 12 miles northwest of Stanton, NW.¹/₄, NE.¹/₄, Sec. 31, T. 1 N. Blk. 35

Red sand and sandy clay- - - - -	4	4
Yellow sandy limy clay - - - - -	6	10
Quit on caliche (solid rock)		

Hole 287

11 miles west of Stanton, southwest corner of Sec. 32, T. 1 N., Blk, 37.

Brown sandy clay- - - - -	2	2
Quit on solid rock- - - - -		2
Hole on hill - 600 feet southwest of 287		
Brown sandy clay- - - - -	3	3
White sandy clay- - - - -	5	8
Quit on rock- - - - -		8
Hole 0.4 mile east of 287.		
Brown sandy clay- - - - -	3	3
Blue-brown sandy clay - - - - -	8	11
White limy (sandy) clay - - - - -	1	12
Quit on rock- - - - -		12

Hole 288

In bottom of Mustang Draw, 9 miles northwest of Stanton, in center of Sec. 3 T. 1 N., Blk. 37.

Black loam (sandy clay)- - - - -	5	5
Red sandy clay- - - - -	2	7
White sandy lime - - - - -	7	14
Limestone boulders - - - - -	1	15
Quit hole at 15 feet on solid lime rock.		

Hole 297

On valley flat, 5¹/₂ miles north of Stanton, 0.5 mile north of southwest corner of Sec. 32, T. 1 N., Blk, 35.

Black sandy loam- - - - -	2	2
White sandy lime- - - - -	4	6
Pink sandy clay - - - - -	3	9
Damp sand and gravel with small rocks- - - - -	3	12
Red joint clay- - - - -	8 ¹ / ₂	20

Hole 300

On hillside, 6¹/₂ miles northeast of Stanton southwest corner of Sec. 34, T. 1 N., Blk

Dug well 15 feet deep (dry)		
Yellow-brown sandy clay- - - - -	1	1
Gray micaceous sandstone- - - - -	10	11
Red shale and clay- - - - -	12 ¹ / ₂	23

Logs of W. P. A. test holes--Continued

Hole 301

7 $\frac{1}{2}$ miles northeast of Stanton, southwest corner of Sec. 35, T. 1 N., Blk. 35.

	Thickness (feet)	Depth (feet)
Red sandy clay-	2	2
Red joint clay-	2	4
Red caliche (marl)-	1	5
Red sand-	2	7

Hole 303

In bottom of draw, 3 $\frac{1}{2}$ miles northeast of Stanton, SW $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 30, T. 1 N., Blk. 35.

Sandy brown soil-	3	3
White sand with calcareous material-	3	6
Red pebblesand with gravel scattered thru it. Sand and gravel mixed with clay at bottom (some coarse gravel)-	5	11
Red clay-	21	32

A number of test holes were dug within a radius of $\frac{1}{2}$ mile; and all found red clay at 5 to 15 feet.

Hole 307

On side of ridge, 7 $\frac{1}{2}$ miles northeast of Stanton, northeast corner of Sec. 47, T. 1 N., Blk. 35.

Red sand-	2	2
Sandy red clay-	1	3
Lighter red sandy clay-	1	4
Limy clay, some sand-	2 $\frac{1}{2}$	6

Hole 309

Well in bottom of draw, 6 $\frac{1}{2}$ miles northeast of Stanton, southeast corner of Sec. 39, T. 1 N., Blk. 35.

Black sandy clay-	2	2
Red clay - some sand-	2	4
Gray limy clay- some sand-	1 $\frac{1}{2}$	5

Hole 310

In bottom of draw, 6 miles northeast of Stanton, 0.1 mile north of southeast corner of Sec. 39, T. 1 N., Blk. 35.

Brown sandy clay (moist)-	3	3
Red clay-little sand-	5	8
White sandy clay-	1	9
Yellow and white sandy clay (not much sand)-	2	11
Greenish sand with some clay and gravel-	5	16
No water.		

Hole 311

In bottom of draw, 6 $\frac{1}{2}$ miles northeast of Stanton, northwest corner of Sec. 39, T. 1 N., Blk. 35.

	Thickness (feet)	Depth (feet)
Brown sandy clay soil-	3	3
Red sandy clay-	2	5
Yellow clay-	3	8
Water in gravel-	2	10
Sandy clay-	1	11

Hole 313

4 $\frac{1}{2}$ miles north of Stanton, southwest corner of Sec. 42, T. 1 N., Blk. 35.

Reddish sandy loam-	1	1
Caliche rock-	1	2
Calcareous material-	1 $\frac{1}{2}$	3

Hole 314

4 miles north of Stanton, southeast corner Sec. 39, T. 1 N., Blk. 36.

Red sandy clay-	3	3
Yellow sandy clay very limy but moist-	8	11

Hole 316

4 $\frac{1}{2}$ miles northeast of Stanton, southeast corner Sec. 40, T. 1 N., Blk. 36.

Red sand and clay-	2	2
Caliche - hard rock-	1	3
Yellow sandy clay (very moist)-	3	6
Hit limestone rock-or caliche-	1	7

Hole 319

4 $\frac{3}{4}$ miles northeast of Stanton, southeast corner Sec. 40, T. 1 N., Blk. 36.

Red sand and sandy clay-	3	3
Yellow sandy clay, calcareous, damp-	4	7
Hard caliche (had to quit hole)		7

Hole 322

6 miles northeast of Stanton, northeast corner of Sec. 42, T. 1 N., Blk. 36.

Brown sandy clay-	4	4
Yellow sandy clay-	9	13
Caliche rock-		13

Hole 325

6 $\frac{1}{2}$ miles northeast of Stanton, northwest corner of Sec. 42, T. 1 N., Blk. 36.

Brown sandy clay-	4	4
Change to lighter color brownish-yellow sandy clay	4	8
Hard yellow clay-	8	16

Logs of W. P. A. test holes--Continued

Hole 329
7½ miles west of Stanton, southwest corner of Sec. 39, T. 1 N., Blk. 37.

	Thickness (feet)	Depth (feet)
Sandy brown clay- - - - -	4	4
Sandy yellow clay- - - - -	15½	19
Quit hole in rock boulders or hard caliche- - - - -		19

Hole 330
In bottom of Mustang Draw, 8¼ miles northwest of Stanton, NW. ¼, NE. ¼, Sec. 39, T. 1 N., Blk. 37.

Red sand and sandy clay- - - -	6	6
Caliche and limestone boulders	2	8

Hole 331
On side of sandy ridge, 10 miles northwest of Stanton, northwest corner Sec. 40, T. 1 N., Blk. 37.

Red sand and sandy loam- - - -	5	5
Yellow sandy clay with lime- -	4	9
Very limy caliche - like sandy clay- - - - -	3½	12

Hole 351
3 miles north of Stanton, southwest corner of Sec. 47, T. 1 N., Blk. 36.

Red sandy clay- - - - -	3	3
Yellow clay - trace of sand -	2	5
Yellow limy sandy clay- - - -	5½	10

Hole 353
5½ miles northeast of Stanton, southwest corner of Sec. 46, T. 1 N., Blk. 35.

Red sandy clay- - - - -	3	3
Caliche rock- - - - -	1	4
Yellow limy clay- - - - -	10½	14
(small rocks intermixed)		

Hole 354
In bottom of draw, 6½ miles northeast of Stanton, center of NW. ¼, Sec. 47, T. 1 N., Blk. 35.

Sandy pink clay- - - - -	4	4
Sand and gravel with water in lower 1½ feet- - - - -	3	7
See table of water analyses.		

Hole 355
In bottom of draw, 7 miles northeast of Stanton, northwest corner of NE. ¼, Sec. 47, T. 1 N., Blk. 35.

Sandy red clay- - - - -	3	3
Coarse sand and gravel- - - -	3	6
Water in the sand and gravel about 6 feet deep.		
See table of water analyses.		

Hole 357
On side of long ridge, 6 miles northeast of Stanton, NW. ¼, NE. ¼, Sec. 2, Blk. 35.

	Thickness (feet)	Depth (feet)
Top soil of sandy clay- - - -	2	2
Yellow sandy clay- - - - -	4	6
Pink sandy clay- - - - -	1	7
Quit on lime rock and small boulders.		

Hole 358
In Blue Wood Flat, 2½ miles north of Stanton, southeast corner of Sec. 1, T. 1 S., Blk. 36.

Black sandy joint clay- - - -	2½	2½
Brown clay with some moisture	2½	5

Hole 359
3 miles north of Stanton, northeast corner, Sec. 1, T. 1 S., Blk. 36.

Sand and sandy loam- - - - -	2	2
Red sandy clay and very damp	3	5
Sandy yellow limy clay - - -	9	14
Brown limy sandy clay- - - -	4	18
Quit on lime rock.		

Hole 368
On side of sand hill, 4½ miles northeast of Stanton, in northwest corner of Sec. 5, T. 1 N., Blk. 36.

Red sandy clay and wind blown sand- - - - -	3	3
Yellow sandy clay with lime nodules- - - - -	3	6
Yellow limy clay, caliche rock	9	15

Hole 371
In bottom of dry lake, 6½ miles west of Stanton, in northeast corner Sec. 2, T. 1 S., Blk. 37.

Black sandy gumbo clay- - - -	2	2
Greenish-yellow sandy clay- -	7	9
Quit hole in limestone boulders or caliche rock - -	1½	10

Hole 374
On sandy ridge, 7½ miles west of Stanton, northeast corner of Sec. 3, T. 1 S., Blk. 37.

Brown sandy clay- - - - -	3	3
Sandy yellow limy clay- - - -	12	15

Hole 377
9 miles west of Stanton, in northwest corner Sec. 4, T. 1 S., Blk. 37.

Brown sandy clay- - - - -	4	4
Sandy yellow clay - - - - -	4	8
Greenish-yellow sandy clay- -	4½	12

Logs of W. P. A. test holes--Continued

Hole 379

On side slope of dry lake, 9 miles west of Stanton, in southwest corner of Sec. 4, T. 1 S., Blk. 37.

	Thickness (feet)	Depth (feet)
Red sandy clay- - - - -	3	3
Yellow sandy clay - - - - -	3 $\frac{1}{2}$	6 $\frac{1}{2}$
Abandoned in caliche and broken limestone- - - - -	1	7 $\frac{1}{2}$

Hole 380

In Mustang Draw, 7 $\frac{1}{2}$ miles west of Stanton, northeast corner of N $\frac{1}{2}$, Sec. 10, T. 1 S., Blk. 37.

Black loam- - - - -	1 $\frac{1}{2}$	1 $\frac{1}{2}$
Chocolate sandy clay and gumbo	2 $\frac{1}{2}$	4
Sandy gravel with water - - -	1 $\frac{1}{2}$	5

Hole 382

6 miles west of Stanton, northwest corner Sec. 12, T. 1 S., Blk. 37.

Windblown sand- - - - -	2	2
Red sand with some lime - - -	4	6
Yellow to white sandy clay- -	5	11
Sandy-limy clay yellowish-brown color- - - - -	10	21
Caliche rock- - - - -		21

Hole 1 mile west of 382.

Windblown sand- - - - -	3	3
Sandy red clay- - - - -	4	7
Yellow clay(little sand)- - -	3	10
Quit on caliche rock at 10 feet.		

Hole 385

4 $\frac{3}{4}$ miles west of Stanton, in northwest corner Sec. 7, T. 1 S., Blk. 36.

Red sandy clay- - - - -	3	3
Yellow sandy clay - - - - -	5	8
Quit on rock- - - - -		8

Hole 387

3 $\frac{3}{4}$ miles west of Stanton, southeast corner Sec. 7, T. 1 S., Blk. 36.

Dark brown sandy clay- - - - -	2	2
Red sand-some clay- - - - -	2	4
Yellow sandy clay- - - - -	6	10
Hard sandy clay when hole was abandoned- - - - -		10

Hole 388

In sand hills, 4 miles west of Stanton, in northwest corner Sec. 8, T. 1 S., Blk. 36.

Sand and red sandy clay- - - -	3 $\frac{1}{2}$	3 $\frac{1}{2}$
Red sand - (moist)- - - - -	3 $\frac{1}{2}$	7
Yellow sandy clay - - - - -	2	9
Hit caliche rock- - - - -		9
Test hole 0.2 mile east hit rock at 4 feet.		

Hole 392

On ridge, 3 miles west of Stanton, in northwest corner of Sec. 9, T. 1 N., Blk. 36.

	Thickness (feet)	Depth (feet)
Red sandy clay- - - - -	2 $\frac{1}{2}$	2 $\frac{1}{2}$
Caliche-limestone very hard -	$\frac{1}{2}$	3
Second hole 300 feet west.		
Red sandy clay- - - - -	3	3
Sandy yellow clay - - - - -	3	6
Hit hard caliche rock - - - -	1	7

Hole 396

In bottom of dry lake, 2 $\frac{3}{4}$ miles northwest of Stanton, 0.3 mile west of northeast corner Sec. 9, T. 1 S., Blk. 36.

Black clay (sandy on top)- - -	7	7
Greenish-yellow clay (little sand)- - - - -	11	18
Quit hole on rock caliche at		18

Hole 398

on top of ridge, 2 $\frac{1}{2}$ miles northeast of Stanton, in northwest corner Sec. 10, T. 1 N., Blk. 36.

Red sandy clay- - - - -	4	4
Sandy yellow limy clay (dry)-	9	13
Had to quit hole-became hard; resembling sandy caliche.		

Hole 405

1 $\frac{3}{4}$ miles north of Stanton, in northeast corner of Sec. 11, T. 1 S., Blk. 36.

Light red sandy loam (damp)-	3 $\frac{1}{2}$	3 $\frac{1}{2}$
Yellow sandy clay(very moist)	13	16 $\frac{1}{2}$
Limy pebbles in last 3 feet.		

Hole 408

In bottom of draw, 4 $\frac{1}{2}$ miles northeast of Stanton, in SE. $\frac{1}{4}$, NE. $\frac{1}{4}$, Sec. 9, T. 1 S., Blk. 35.

Sandy brown to reddish clay-	3	3
Gravel and sand- - - - -	1 $\frac{1}{2}$	4 $\frac{1}{2}$
Red joint clay- - - - -	12 $\frac{1}{2}$	17
A stringer of gypsum at about 15 feet.		

Hole 410

In bottom of small draw, 4 $\frac{3}{4}$ miles northeast of Stanton, in N $\frac{1}{2}$, S $\frac{1}{2}$, Sec. 10, T. 1 S., Blk. 35.

Sandy red clay- - - - -	14	14
Gravel and sand with some red clay- - - - -	1 $\frac{1}{2}$	15 $\frac{1}{2}$
Red clay with spots of blue sandy clay - - - - -	4	19 $\frac{1}{2}$
Red clay- No sand- - - - -	1 $\frac{1}{2}$	21

Logs of W. P. A. test holes--Continued

Hole 414

On crest of ridge, 6 miles east of Stanton, in southwest corner of SE. $\frac{1}{4}$, Sec. 11, T. 1 S., Blk. 35.

	Thickness (feet)	Depth (feet)
Top soil-brownish-red sandy loam- - - - -	2	2
Light brown sand, some clay- - - - -	1	3
Yellow sand with limy pebbles, trace of caliche- - - - -	4	7
Yellow limy clay - - - - -	10	17
Red clay- - - - -	2 $\frac{1}{2}$	19

Hole 416

In bottom of draw, 6 miles east of Stanton, S. $\frac{1}{4}$, S. $\frac{1}{4}$, Sec. 14, T. 1 S., Blk. 35.

Sandy brown clay- - - - -	10	10
Red sticky clay- - - - -	10 $\frac{1}{2}$	20

Hole 417

4 $\frac{1}{2}$ miles east of Stanton, northwest corner Sec. 15, T. 1 S., Blk. 35.

Sandy clay soil- - - - -	2	2
Clay and caliche with limy pebbles- - - - -	3 $\frac{1}{2}$	5 $\frac{1}{2}$
Red clay with some sand and gravel- - - - -	2 $\frac{1}{2}$	7 $\frac{1}{2}$

Hole 419

At foot of escarpment, 3 miles east of Stanton, NW. $\frac{1}{4}$, SE. $\frac{1}{4}$, Sec. 17, T. 1 S., Blk. 35.

White sandy clay- - - - -	6	6
Sandy red calcareous clay - - - - -	12	18
Red sand- - - - -	3	21
Blue sandy clay - - - - -	4	25
Red sandy clay- - - - -	2 $\frac{1}{2}$	27

Hole 422

1 $\frac{1}{2}$ miles northeast of Stanton, northwest corner of Sec. 18, T. 1 S., Blk. 35.

Red sandy loam- - - - -	2 $\frac{1}{2}$	2 $\frac{1}{2}$
Red sand - - - - -	1	3 $\frac{1}{2}$
Brown sandy clay- - - - -	1 $\frac{1}{2}$	5
Reddish sandy clay some limy pebbles- - - - -	1	6

Hole 426

1 mile north of Stanton, in northwest corner of Sec. 13, T. 1 S., Blk. 36.

Red sandy loam- - - - -	2	2
Yellow clay with lime pebbles (slightly moist)- - - - -	5	7

Hole 427

1 mile north of Stanton, northwest corner of Sec. 14, T. 1 S., Blk. 36.

	Thickness (feet)	Depth (feet)
Sand and sandy loam- - - - -	1 $\frac{1}{2}$	1 $\frac{1}{2}$
Red sandy clay- - - - -	2 $\frac{1}{2}$	4
Yellow calcareous sandy clay (very moist)- - - - -	14	18
Yellow limy sand and a little clay- - - - -	13	31
Quit on hard sand or sandstone- - - - -		31

Hole 431

1 $\frac{3}{4}$ mile west of Stanton, in the northeast corner of Sec. 15, T. 1 S., Blk. 36.

Brown sandy loam- - - - -	2	2
Red sandy clay- - - - -	2	4
Yellow lime and caliche rock- some sand- - - - -	1	5
Yellow sandy clay- - - - -	5	10
Sandy yellow to white clay with much lime- - - - -	21	31
Caliche rock- - - - -		31

Hole 434

2 $\frac{1}{2}$ miles west of Stanton, in the northwest corner of Sec. 16, T. 1 S., Blk. 36.

Sand and red sandy loam- - - - -	3	3
Red sandy clay- - - - -	2	5
Red sand - some clay-very moist- - - - -	4	9
Yellow sandy limy clay- - - - -	7	16
Caliche- - - - -		16

Hole 436

3 miles west of Stanton, in center of Sec. 17, T. 1 S., Blk. 36.

Brown sand and sandy clay- - - - -	3	3
Red sandy clay- - - - -	5	8
Yellow sandy clay; calcareous pebbles- - - - -	7 $\frac{1}{2}$	15

Hole 440

5 $\frac{1}{2}$ miles west of Stanton, in northwest corner of Sec. 13, T. 1 S., Blk. 37.

Red sand and sandy clay- - - - -	3	3
Yellow sandy clay- - - - -	4	7
White limy sandy clay(dry) - - - - -	5	12
Quit on rock (caliche)- - - - -		12

Hole 446

8 $\frac{1}{2}$ miles west of Stanton, in northwest corner of Sec. 16, T. 1 S., Blk. 37.

Brown sandy clay- - - - -	4 $\frac{1}{2}$	4 $\frac{1}{2}$
Yellow sandy clay - very dry and hard- - - - -	17 $\frac{1}{2}$	22

Logs of W. P. A. test holes--Continued

Hole 447

In bottom of lake, 9 miles west of Stanton, in NW. $\frac{1}{4}$, NE. $\frac{1}{4}$, Sec. 17, T. 1 S., Blk. 37.

	Thickness (feet)	Depth (feet)
Black gumbo clay- - - - -	2	2
Yellow clay with "gyp" crystals	2	4
Red sandy clay and gravel- -	1	5
Yellow gumbo and clay- - -	1	6
Red sandy clay with "gyp" crystals- - - - -	1	7

Outcrops around lake border were chalky lime and caliche.

Hole 449

8 $\frac{1}{2}$ miles west of Stanton, in northwest corner of Sec. 21, T. 1 S., Blk. 37.

Brown sandy clay- - - - -	3	3
Yellow sandy clay and caliche nodules- - - - -	13	16
Quit in limestone boulders- -		16

Hole 458

3 $\frac{1}{4}$ miles southwest of Stanton, on section line between Sections 19 and 20, T. 1 S., Blk. 36.

Red sand soil - moist- - - - -	3	3
Red sandy clay(moist)- - - - -	7	10
Yellow sandy clay and caliche pebbles (powdery)- - - - -	4	14
Reddish yellow sandy clay and broken limestone pebbles- - -	2	16
Quit hole due to rock and boulders.		16

Hole 459

In bottom of dry lake, 2 $\frac{1}{2}$ miles west of Stanton, in northwest corner of Sec. 21, T. 1 S., Blk. 36.

Red sand - windblown- - - - -	1	1
Black gumbo clay (wet)-with some sand- - - - -	10	11
Yellow limy clay- - - - -	3	14
Quit on solid rock- - - - -		14

Hole 460

2 $\frac{3}{4}$ miles southwest of Stanton, 0.1 mile north of southwest corner of Sec. 21, T. 1 S., Blk. 36.

Brown sandy clay- - - - -	4	4
Yellow sandy clay with caliche gravel- - - - -	8	12
Sandy yellow clay, very limy-	16	28

Hole 463

1 $\frac{1}{2}$ miles west of Stanton in northwest corner of Sec. 22, T. 1 S., Blk. 30.

	Thickness (feet)	Depth (feet)
Red sand and moist sand red clay- - - - -	7	7
Yellow sandy clay (moist but dry at bottom of hole)- - - -	7	14

Hole 473

1 $\frac{1}{2}$ miles south of Stanton, southwest corner Sec. 24, T. 1 S., Blk. 36.

Sandy loam- - - - -	2	2
Dark sandy clay- - - - -	2	4
Light sandy clay with some calcareous pebbles, very limy	15	19
White limy sand and gravel- -	3	22
Caliche rock- - - - -		22

Hole 474

1 $\frac{3}{4}$ miles southeast of Stanton, southwest corner Sec. 19, T. 1 S., Blk. 35.

Sandy loam-red color- - - - -	2	2
Dark red clay, Sandy- - - - -	1	3
Light red sandy clay- - - - -	1	4
Yellow sandy limy clay, traces of caliche- - - - -	17	21

Hole 475

1 $\frac{1}{2}$ miles west of Stanton, northwest corner Sec. 19, T. 1 S., Blk. 35.

Red sandy loam- - - - -	4 $\frac{1}{2}$	4 $\frac{1}{2}$
Red sandy clay- - - - -	1 $\frac{1}{2}$	6
Hard caliche rock - - - - -	1	7
Yellow sandy clay- - - - -	1	8
Red sandy clay- - - - -	2	10
Quit on rock- - - - -		10

Hole 478

3 $\frac{1}{4}$ miles east of Stanton, southwest corner Sec. 21, T. 1 S., Blk. 35.

Dark brown soil- - - - -	2	2
Reddish yellow sandy clay- - -	2	4
Yellowish sandy clay, grades into caliche- - - - -	2	6

Hole 476

2 $\frac{1}{2}$ miles east of Stanton, northwest corner Sec. 20, T. 1 S., Blk. 35.

Brown sandy loam- - - - -	2	2
Red sandy clay- - - - -	2	4

Hole 479

Among small hills, 1¹/₂ miles east of escarpment, 5 miles east of Stanton, southwest corner Sec. 27, T. 1 S., Blk. 35.

	Thickness (feet)	Depth (feet)
Sandy red soil- - - - -	1	1
Caliche - limestone like cap-rock- - - - -	1	1 ¹ / ₂
Caliche and clay with calcareous pebbles and some water worn gravel- - - - -	2	3 ¹ / ₂
Red sandy clay- - - - -	5 ¹ / ₂	9

Hole 480

In valley, ¹/₄ mile east of escarpment, 4 miles southeast of Stanton, southwest corner Sec. 28, T. 1 S., Blk. 35.

Sandy light brown soil- - - - -	2	2
Sandy clay- - - - -	1	3
Light colored sandy clay- - - - -	1	4
Change to reddish clay with caliche pebbles and very limy	6	10
Quit on rock- - - - -		10

Hole 481

In bottom of draw, 3³/₄ miles east of Stanton, 0.1 mile south of northwest corner Sec. 28, T. 1 S., Blk. 35.

Soil and red sandy clay- - - - -	6 ¹ / ₂	6 ¹ / ₂
White sandy clay which becomes more sandy deeper, sand and gravel in it.- - - - -	5	11 ¹ / ₂
Red clay- - - - -	1 ¹ / ₂	13

See table of water analyses.

Hole 485

2 miles south of Stanton, in southwest corner Sec. 25, T. 1 S., Blk. 36.

Red sandy loam- - - - -	4	4
Brown sandy clay with gravel- - - - -	10	14
Yellow limy clay- - - - -	4	18
Quit on caliche rock- - - - -		18

Hole 487

In county road, 1¹/₂ miles south of Stanton Northwest corner Sec. 26, T. 1 S., Blk. 36

Red sand and sandy red clay- - - - -	6	6
Yellow sandy limy clay- - - - -	10	16
Red sand- - - - -	2	18
Quit on solid rock- - - - -		18

Hole 489

In slight depression, 2 miles southwest of Stanton, in southeast corner Sec. 21, T. 1 S., Blk. 36.

Black to dark brown sandy clay and gumbo- - - - -	3	3
Yellow sandy clay (Dry and hard)	4	7
Finished on rock- - - - -		7

Hole 495

On level ground, 3¹/₂ miles southwest of Stanton, in northwest corner Sec. 33, T. 1 S., Blk. 36.

	Thickness (feet)	Depth (feet)
Red sand and sandy clay- - - - -	4	4
Yellow sandy and limy clay (dry and hard)- - - - -	14	18
Quit on solid rock- - - - -		18

Hole 497

In county road, 2¹/₂ miles south of Stanton, northwest corner Sec. 35, T. 1 Blk. 36.

Red sand and sandy clay-moist-	4	4
Yellow sandy clay; dry and hard- - - - -	14	18
Hit limestone or caliche rock-		18

Hole 498

In bottom of dry lake, 3 miles south of Stanton, S7¹/₂W, S7¹/₂W, Sec. 35, T. 1 S., Blk. 36.

Black gumbo clay- - - - -	3	3
Grey gumbo clay with trace of sand- - - - -	5	8
Fine white sand- - - - -	3	11
White limy marl- - - - -	1	11 ¹ / ₂
Fine yellow sand with some clay- - - - -	2 ¹ / ₂	14
Fine yellow sand- - - - -	1 ¹ / ₂	15 ¹ / ₂
Yellow clay y limy fine sand	1	16 ¹ / ₂
Rusty-yellow limy marl, small caliche pebbles, - trace of sand	3	19 ¹ / ₂
Brown sandy limy clay with caliche boulders- - - - -	2 ¹ / ₂	22

Hole 500

3 miles south of Stanton, in southwest corner Sec. 36, T. 1 S., Blk. 36.

Sandy loam- - - - -	5	5
Red sandy clay- - - - -	1	6
Yellow limy clay- - - - -	5	11
Quit on caliche rock- - - - -		11

Hole 501

4¹/₂ miles southeast of Stanton, southeast corner Sec. 32, T. 1 S., Blk. 35.

Sandy reddish soil- - - - -	2 ¹ / ₂	2 ¹ / ₂
Lighter color limy sand - - - - -	1 ¹ / ₂	4
Sandy lime to caliche - - - - -	3 ¹ / ₂	7 ¹ / ₂
Caliche rock- - - - -		7 ¹ / ₂

Logs of W. P. A. test holes--Continued

Hole 504

5 1/2 miles southeast of Stanton, northeast corner Sec. 39, T. 1 S., Blk. 35.

	Thickness (feet)	Depth (feet)
Windblown sand-	1 1/2	1 1/2
Red sandy clay-	1 1/2	3
Change to yellow-red more sand than clay-	4	7
Yellow limy clay-	4 1/2	11

Hole 505

6 miles east of Stanton, northeast corner Sec. 34, T. 1 S., Blk. 35.

Sandy reddish soil-	2	2
Sandy clay, yellow to red-	1	3
Limy clay-	2 1/2	5

Hole 507

6 miles southeast of Stanton, southwest corner Sec. 39, T. 1 S., Blk. 35.

Dark sandy loam-	2	2
Brown clay-	2	4
Yellow limy clay-	2 1/2	6

Hole 508

In rolling sand hills, 5 miles southeast of Stanton, southeast corner Sec. 41, T. 1 S., Blk. 35.

Brown tored sandy top soil-	2	2
Light brown sandy clay-	1	3
Yellow-brown sandy clay-	1 1/2	4 1/2
Light limy yellow sand with caliche balls-	1 1/2	6

Hole 604

At Moore's Hill School, in northwest corner of League 323, La Salle County School Land.

Brown sandy soil and clay-	4	4
Sandy light color clay and sandy lime-	12 1/2	16

Hole 603

In lake bed, 0.2 mile north of Moore's Hill School, in southwest corner of League 319, Garza County School Land.

Black gumbo clay-	4	4
Yellow sandy clay-	4	8
Struck solid rock-		8

Hole 617

In bottom of dry lake, in SW. 1/4, SW. 1/2, Sec. 129, R.E. Montgomery, Blk. A.

Black gumbo clay-	4	4
Yellow clay-	8	12
Quit on rock (caliche)-		12

3 holes drilled in lake bottom. Caliche was struck at 12, 8, and 5 feet respectively.

Hole 618

11 miles east of Moore's Hill School, NW. 1/4, NW. 1/4, Sec. 129, R.E. Montgomery Blk. A.

	Thickness (feet)	Depth (feet)
Red sandy soil-	3	3
Yellow limy clay-	8	11
Quit on rock-		11

Hole 621

12 miles east of Moore's Hill School, northwest corner Sec. 4, T. 2 N., Blk. 37

Red sand-	6	6
Yellow limy clay-	5	11
Caliche rock-		11

Hole 622

In rolling sand hills, 13 miles east of Moore's Hill School, at Wolcott School, southeast corner Sec. 1, T. 2 N., Blk. 37

Red sand-	3 1/2	3 1/2
Caliche rock-	1/2	4

Dug two holes 100 feet apart. Same log; both abandoned on rock.

Hole 629

7 miles east of Moore's Hill School, northeast corner Sec. 11, T. 2 N., Blk. 37.

Red-brown sand-	4	4
Yellow sandy clay-	10	14
On solid rock (caliche)-		14

Hole 630

In flat, 6 miles east of Moore's Hill School, northwest corner Sec. 137, Mary A. Jurtis Survey.

Black soil and clay-	2	2
Brown sandy clay-	2	4
Caliche rock-	1 1/2	5

Drilled 4 holes within 1/2 mile radius--all struck rock at 4 to 5 feet.

Hole 631

7 1/2 miles east of Moore's Hill School, in southeast corner Sec. 140, Mary A. Jurtis Survey.

Gray sandy clay-	1 1/2	1 1/2
Yellow sandy limy clay-	5 1/2	7

Hole 632

6 1/2 miles east of Moore's Hill School, in northwest corner Sec. 1, T. 2 N., Blk. 38.

Two holes were dug within 1000 feet and caliche (hard rock) was struck at from 1 to 3 feet in each one.

Logs of W. P. A. test holes--Continued

Hole 635

In bottom of broad draw, 3 1/2 miles south of Moore's Hill School, SW. 1/4, NW. 1/4, League 324, La Salle County School Land.

Thickness (feet)	Depth (feet)
4 holes drilled- and one dug - struck rock (caliche or limestone) at 2 to 4 feet.	

White limy sandy clay covering.

Hole 646

5 miles south of Moore's Hill School, 1 mile east of west end of R.N. Grisham Survey.

Red-brown sand- - - - -	3	3
White limy clay- - - - -	3	6
Lime rock (solid) - - - - -		6

Dug three holes within 0.5 mile and same log. Hit rock at 6 feet.

Hole 648

In rolling sand dunes, 6 miles south of Moore's Hill School, in center of R. N. Grisham Survey.

Red sand and sandy red clay with some lime at about 6 feet	13	13
Quit on rock- - - - -		13

Another hole drilled 600 feet away struck rock at 10 feet depth.

Owner says rock or limestone underlies whole farm.

Hole 650

In flat, 7 miles southeast of Moore's Hill School, east end of R.N. Grisham Survey.

Sandy limy clay- - - - -	5	5
Caliche rock- - - - -		5

Drilled 5 holes within 1000 feet radius 3 to 5 feet deep. All were abandoned on rock (caliche).

Hole 652

3 miles southeast of Moore's Hill School, southeast corner Sec. 4, T. 2 N., Blk. 38.

Gray sandy clay- - - - -	3	3
Yellow limy clay - - - - -	3 1/2	6

Hole 659

11 miles east of Moore's Hill School and 0.5 mile south of Tarzan, NE. 1/4, NW. 1/4, Sec. 26, T. 2 N., Blk. 37.

Red sand- - - - -	4	4
Red sandy clay- - - - -	4	8
Caliche rock at - - - - -		8

Hole 661

13 miles east of Moore's Hill School, SW. 1/4, SW. 1/4, Sec. 28, T. 2 N., Blk. 37.

	Thickness (feet)	Depth (feet)
Red sandy soil- - - - -	2 1/2	2 1/2
Yellow sandy clay - - - - -	3	5 1/2
Caliche rock- - - - -	1/2	6

Hole 672

In bottom of Mustang Draw, 9 miles south east of Moore's Hill School, SW. 1/4, SW. 1/4, Sec. 35, T. 2 N., Blk., 37.

Black gumbo clay- - - - -	3	3
Yellow clay with sand underneath- - - - -	2	5
Water at 5 feet.		
White sand with water- - - - -	1/2	6

See table of water analyses.

Hole 678

In bottom of draw, 7 miles south of Moore's Hill School, NW. 1/4, SW. 1/4, Sec. 1, M. B. & A. Survey, Blk. 39.

Black gumbo- - - - -	2	2
Yellow sand- - - - -	19	21
Coarse sand and gravel (water)		21
Coarse sand and gravel - - -	3	24

See table of water analyses.

Hole 679

In bottom of draw, 7 miles south of Moore's Hill School, on east side of Sec. 4, 1 mile north of southeast corner, T. 1 N., Blk. 39.

Black gumbo- - - - -	2	2
Yellow sand- - - - -	15	17
Red sand- - - - -	4	21
Water at 21 feet.		
White sand- - - - -	2 1/2	23

See table of water analyses.

Hole 688

9 1/2 miles southeast of Moore's Hill School, and 1 mile north of Bodgett School, NW. 1/4, NE. 1/4, Sec. 5, T. 1 N., Blk. 3

Red sand and sandy clay- - -	4	4
Yellow limy clay- - - - -	6 1/2	10

Hole 689

10 miles southeast of Moore's Hill School, at Bodgett School southwest corner Sec. 5, T. 1 N., Blk. 38.

Brown sandy soil and sandy brown clay- - - - -	4 1/2	4 1/2
Yellow clay- - - - -	4 1/2	9
Quit on rock (caliche)- - - -		9

Two other holes nearby hit rock at 7 feet.

Logs of W. P. A. test holes--Continued

Hole 693

In bottom of large dry lake, 10 miles southeast of Moore's Hill School, southwest corner of Sec. 14, T. 1 N., Blk. 38.

	Thickness (feet)	Depth (feet)
Black gumbo (salt crust) - - -	1 $\frac{1}{3}$	1 $\frac{1}{3}$
Iron colored sand with some clay and gypsum crystals - - -	2	3 $\frac{1}{3}$
Water, (highly mineralized), at 3 $\frac{1}{2}$ feet.		
Red gumbo clay which dries to a brittle shale with gypsum crystals - - - - -	2 $\frac{1}{3}$	6
See table of water analyses.		
Lake holds water during wet seasons.		

Hole 701

In bottom of lake bed, 11 miles south of Moore's Hill School, NW. $\frac{1}{4}$, NW. $\frac{1}{4}$, Sec. 25, T. 1 N., Blk. 39.

	Thickness (feet)	Depth (feet)
Black gumbo - - - - -	7	7
Yellow clay - - - - -	5	12
Coarse yellow sand - - - - -	1	13
Caliche rock - - - - -	1 $\frac{1}{4}$	14
Second hole dug $\frac{1}{4}$ mile north on rim of lake.		
Lime rock - - - - -	5	5

Partial analyses of water from wells in Martin County, Texas.

(Analyzed at the State University under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry, by J. E. Stullken, C. R. Stewart, D. F. Riddell, and Alfred J. Kelly, Chemists, and J. A. Harmaza, Martin Wieland and Jack Ramsey, Assistant Chemists. Results are in parts per million. Well numbers correspond to numbers in table of well records.)

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
2	State University	87	June 2, 1936	1,260	268	158	100	189	200	540	907
3	H.J. Stephenson	54	do.	4,450	410	375	635	220	960	1,960	2,566
4	A.B. Crider	61	do.	6,427	-	-	-	183	1,659	2,510	-
5	Frank Doering	75	do.	2,953	-	-	-	256	376	960	-
6	L. Carroll	52	do.	4,818	-	-	-	195	1,544	1,580	-
9	W. S. Green	45	May 14, 1936	924	94	43	185	232	166	320	411
10	J. M. Carruth	56	do.	5,721	-	-	-	232	2,291	1,460	-
11	R.T. Hightower	94	do.	931	24	47	259	244	169	310	251
12	D.E. Fuller	98	do.	485	-	-	-	341	61	76	-
13	J.C. Carroll	95	do.	1,468	49	90	367	329	288	510	491
14	Lloyd Carr	93	do.	746	-	-	-	305	84	240	-
17	C. Painter	54	do.	2,741	-	-	-	256	637	1,040	-
19	J.O. Goodson	64	May 12, 1936	1,138	60	57	282	317	211	370	387
20	G.W. Teague	59	May 7, 1936	615	33	21	161	195	187	116	168
21	do.	158	do.	5,899	-	-	-	433	1,750	1,960	-
23	J.H. Burk	97	May 14, 1936	1,144	60	43	312	317	166	405	325
25	N. L. Parham	140	May 21, 1936	613	-	-	-	317	81	152	-
27	T.P.A. test well	19	July 4, 1936	2,922	593	148	85	256	1,932	36	2,088
29	Mrs. Dora Roberts	55	June 4, 1936	6,374	-	-	-	342	1,620	2,440	-
30	do.	75	May 21, 1936	3,307	-	-	-	427	1,028	960	-
31	J.S. Little	81	June 4, 1936	3,090	-	-	-	238	995	950	-
32	State University	-	June 2, 1936	1,929	74	154	388	427	645	455	819
33	Mrs. O.B. Holt	72	June 5, 1936	2,228	14	101	644	439	740	510	453
35	Juliette Wolcott	100 +	June 18, 1936	2,184	142	136	387	360	1,171	168	912
36	Mrs. Ida Wolcott	250	do.	2,082	-	-	-	366	1,183	68	-
37	do.	280	do.	870	30	48	223	336	227	174	271
38	W.C. Rollow	150	Feb. 3, 1936	1,013	7	24	341	463	284	126	118
39	W.L. Woodward	72	May 4, 1936	310	38	22	51	244	27	50	187
40	Dick Knox	87	May 19, 1936	515	44	5	93	305	117	104	316
41	Erith W. Hyatt	142	June 18, 1936	1,819	-	-	-	335	219	790	-

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

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
42	Mrs. O.B. Holt	49	June 6, 1936	531	71	26	92	293	92	104	283
43	do.	54	June 10, 1936	628	-	-	-	281	134	132	-
44	do.	110	June 5, 1936	1,348	54	102	279	183	407	415	553
45	do.	54	June 10, 1936	661	63	36	138	390	105	124	304
46	F.A. Bird	59	June 5, 1936	737	128	29	102	305	134	192	439
47	J.E. Mabee	71	June 11, 1936	451	-	-	-	305	54	80	-
101	J.B. McNew	126	May 12, 1936	1,152	44	47	316	475	322	186	301
102	S.N. Teague	107	do.	828	-	-	-	414	192	108	-
103	W.W. Lewis	135	do.	1,175	27	22	378	458	353	166	156
107	E.R. Yates	160	do.	778	-	-	-	427	192	100	-
109	Loyola School	60	May 8, 1936	1,350	-	-	-	427	375	300	-
110	S.A. Lawson	57	May 11, 1936	743	-	-	-	390	184	104	-
112	J.J. Ezell	100 +	do.	708	17	44	184	366	190	90	225
113	C.C. Koger	33	May 8, 1936	966	49	62	225	560	232	118	378
114	R.D. Simson	86	do.	785	16	45	215	366	184	142	225
115	C.C. Slaughter	35	do.	2,682	-	-	-	500	964	580	-
116	W.F. Bertram	53	May 11, 1936	1,073	16	50	315	463	269	192	246
118	W.E. Carnrike	136	do.	7,799	-	-	-	298	2,406	2,650	-
119	do.	36	do.	2,064	33	93	640	202	732	465	466
121	H.E. Russell	71	May 11, 1936	725	-	-	-	402	131	134	-
122	C.C. Koger	52	do.	1,535	-	-	-	403	167	620	-
123	W.P.A. test well	23	Apr. 29, 1936	357	-	-	-	402	a/	17	-
124	H.E. Russell	55	do.	1,045	12	38	332	403	202	260	785
125	J.P. Nichols	23	do.	460	-	-	-	457	38	20	-
127	Geo. Burns	97	Apr. 27, 1936	584	-	-	-	353	102	96	-
128	Sweetwater Cotton Oil Company	56	Apr. 29, 1936	1,460	111	77	308	525	422	280	595
129	Chas. Logsdon	120	Apr. 28, 1936	417	-	-	-	366	42	37	-
131	A. Ruggles	130	do.	718	9	30	223	427	173	70	144
132	R. Chilton	124	do.	560	28	26	151	366	100	72	176
133	A.D. Brown	114	do.	462	-	-	-	402	38	50	-
134	C.W. Johnson	120	Apr. 27, 1936	416	-	-	-	347	38	49	-
135	S.J. Smith	132	Apr. 29, 1936	2,513	15	31	843	330	899	560	164

a/ Sulphate less than 5 parts per million.

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
136	R.L. Stafford	36	Apr.29,1936	549	-	-	-	500	83	14	-
137	D.L. Langham	81	do.	562	-	-	-	451	111	22	-
139	Geo. W. Lee	48	May 11,1936	1,397	65	70	351	354	309	425	448
140	C.C. Slaughter	60	do.	1,353	-	-	-	555	319	285	-
143	M.L. Burrus	55	May 13,1936	2,478	-	-	-	231	799	740	-
144	J.M. McCurray	75	do.	916	7	24	304	372	223	172	118
146	Hale Brothers	76	do.	1,192	136	51	207	256	415	255	551
147	C.C. Slaughter	15	May 4, 1936	1,607	24	53	506	690	393	285	286
148	Ellis Everts	6	do.	1,717	-	-	-	701	453	320	-
149	J.P.A. test well	12	July 14,1936	1,360	38	58	380	482	323	320	332
150	C.L. Gaultney	40	Apr.23,1936	424	48	53	43	427	41	26	336
152	J.L. Reese	49	Apr.24,1936	496	-	-	-	463	60	20	-
153	T.S. Currie	55	Apr.29,1936	689	-	-	-	774	15	21	-
154	T.M. Johnson	57	do.	694	-	-	-	366	163	104	-
155	R.E. Carrol	75	Apr.24,1936	1,194	145	112	182	1,355	-	78	824
156	W.P.A. test well	22	-	2,508	58	271	530	958	50	1,120	1,259
158	Lee McGuire	49	do.	500	-	-	-	567	6	17	-
159	P.E. Forrester	26	Apr.20,1936	803	-	-	-	640	139	49	-
161	do.	54	do.	5,425	-	-	-	476	1,250	1,830	-
162	J.P. Nichols	34	Apr.22,1936	762	-	-	-	872	19	13	-
163	A.B. Brown	73	Apr.20,1936	2,191	-	-	-	476	805	420	-
164	do.	86	do.	1,083	24	53	306	415	361	152	276
165	Adelia Zihlman	77	Apr.23,1936	1,794	37	72	490	415	753	235	389
166	W.P.A. test well	19	Jan.20,1936	-	-	268	-	-	966	1,045	810
169	do.	14	June 9,1936	29,641	-	-	-	439	9,744	9,900	-
170	do.	13	do.	47,088	-	-	-	329	17,162	14,400	-
171	C.F. Sears	20	June 8,1936	3,010	-	-	-	403	1,106	710	-
172	do.	22	May 4, 1936	1,109	60	46	297	604	210	194	341
173a	do.	Spring	do.	839	-	-	-	427	211	148	-
174	do.	39	do.	1,287	44	48	362	488	371	218	306
177	Ellis Everts	39	do.	1,449	-	-	-	585	408	250	-
178	E.E. Hatchett	96	May 7,1936	693	-	-	-	305	187	114	-
179	T.D. Everts	50	May 8,1936	702	-	-	-	329	155	136	-
180	J.L. McNew	57	May 4,1936	1,000	38	40	219	366	274	196	385

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

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
184	D. Rumsey	40	June 8, 1936	1,018	-	-	-	366	326	162	-
185	F.T. Sanders	48	Apr. 23, 1936	1,218	68	45	308	366	382	232	356
187	Leroy Echols	61	do.	943	-	-	-	372	180	245	-
188	S.F. Goolsby	23	do.	1,775	141	125	275	512	603	475	616
190	J.D. Castle	62	Apr. 22, 1936	951	-	-	-	805	124	74	-
191	Lizzie Gist	51	Apr. 20, 1936	7,199	146	393	1,960	1,560	1,020	2,800	1,979
193	Bert Wristen	169	May 1, 1936	542	39	29	122	281	120	92	219
194	B.L. Autry	94	do.	250	-	-	-	244	15	17	-
195	G.T. Hall	107	do.	694	-	34	230	317	8	264	141
202	C.R. Martin	105	Apr. 30, 1936	323	-	-	-	268	45	24	-
204	W.P.A. test well	19	May 4, 1936	447	-	-	-	146	129	108	-
205	J.H. Thames	40	Apr. 30, 1936	809	24	41	235	855	13	18	228
208	J.W. Cook	65	Apr. 20, 1936	2,684	45	97	810	708	923	455	512
210	Chas. Matthews	115	May 1, 1936	391	39	22	80	268	60	56	188
211	I. H. Beene	125	-	462	51	20	96	281	73	82	212
212	Martin County Water Supply District 1	112	-	345	63	18	42	244	46	54	232
214	W.P.A. test well	19	Apr. 20, 1936	12,059	-	-	-	439	4,757	3,180	-
216	R.A. Cox	22	do.	4,442	-	-	-	1,000	561	1,800	-
217	Earl Bryant	55	Apr. 15, 1936	4,414	-	-	-	952	1,114	1,310	-
218	J.R. White	76	Apr. 22, 1936	17,122	-	-	-	244	6,140	5,260	-
219	S.H. Henderson	44	do.	22,500	-	-	-	225	4,493	10,200	-
219a	1st. National Bank Salt Lake		July 16, 1936	41,915	-	-	-	140	11,864	16,000	-
222	W.O. Jones	60	Apr. 7, 1936	581	-	-	-	268	111	130	-
223	Martin County Water Supply District 1	110	Apr. 8, 1936	501	-	-	-	262	94	98	-
224	P.K. Jones	99	do.	427	-	-	-	317	17	90	-
226	John Epley	100	do.	825	-	-	-	317	209	172	-
228	Roy Quattlebaum	84	Mar. 23, 1936	649	-	-	-	195	166	162	-
229	John Epley	87	Mar. 27, 1936	779	-	-	-	359	163	162	-
230	J.N. Poe	98	Apr. 7, 1936	560	-	-	-	286	121	98	-
231	do.	80	do.	582	-	-	-	402	75	90	-
232	W.E. Thrallkill	93	Apr. 16, 1936	488	47	22	106	269	95	84	208
233	George Cathey	39	Apr. 7, 1936	482	-	-	-	281	83	85	-

Partial analyses of water from wells in Martin County--Continued
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Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
234	Amicable Life Insurance Co.	42	Apr. 13, 1936	1,176	75	48	283	287	322	305	386
236	W.P.A. test well	13	Apr. 15, 1936	38,008	-	-	-	402	12,302	12,950	-
237	Norton Properties	76	Apr. 7, 1936	581	-	-	-	268	132	111	-
239	W.G. Greenhaw	165	do.	633	54	29	138	293	165	101	254
240	T.P. Johnson	100	Mar. 23, 1936	510	60	25	95	281	102	88	253
241	E.B. Dickenson	100	do.	530	-	-	-	268	102	106	-
242	M. Henson	105	Apr. 26, 1936	715	-	-	-	305	161	150	-
243	Robert Henson	100	do.	575	-	-	-	293	120	104	-
244	John Epley	86	do.	977	-	-	-	329	255	220	-
247	E.B. Dickenson	74	Mar. 25, 1936	630	-	-	-	268	142	132	-
248	do.	63	-	1,010	60	68	227	354	248	230	428
251	F.W. Herrington	82	Apr. 7, 1936	404	-	-	-	207	88	70	-
252	U.H. Butler	93	do.	540	60	25	104	268	113	104	253
253	J.W. Meek	58	Apr. 15, 1936	353	-	-	-	390	8	14	-
254	H.E. Guerin	52	Jan. 17, 1936	763	54	30	224	810	-	50	258
255	W.P.A. test well	10	Apr. 14, 1936	12,239	318	754	3,020	708	3,163	4,630	3,894
256	Geo. White	31	do.	2,561	577	75	129	305	1,526	102	1,750
257	Witt Hines	44	do.	572	-	-	-	549	41	41	-
258	Earl Powell	56	Apr. 16, 1936	517	-	-	-	158	123	136	-
260	H.W. Fulton	110	Apr. 7, 1936	739	63	46	142	293	184	158	346
261	A.C. Eidson	125	-	440	36	22	102	262	71	78	178
262	E.B. Dickenson	48	Mar. 25, 1936	480	-	-	-	268	80	90	-
264	do.	91	do.	698	-	-	-	354	127	144	-
265	do.	47	-	676	-	-	-	402	105	126	-
267	B.R. Parker	74	-	854	-	-	-	286	236	182	-
268	Earl B. Powell	56	Apr. 14, 1936	2,502	-	-	-	603	479	850	-
270	C.J. Robinson	29	Feb. 26, 1936	556	27	51	107	354	152	42	276
271	B.F. Whitefield	36	do.	443	-	-	-	512	-	15	-
272	C.S. Anderson	39	Feb. 27, 1936	540	16	65	112	604	25	22	308
273	W.E. Ford	39	do.	1,392	12	60	435	836	321	146	278
278	A. Williams	32	Apr. 14, 1936	396	-	-	-	414	15	22	-
279	R.B. McWhorter	35	do.	3,632	-	-	-	433	967	1,220	-
280	W.O. Hayter	71	Apr. 16, 1936	353	38	15	72	159	71	78	157
282	D.E. Cross	59	Mar. 24, 1936	354	-	-	-	317	35	27	-

Partial analyses of water from wells in Martin County--Continued
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Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
283	Nat Williams	62	Feb.12,1936	878	38	25	253	562	214	208	197
284	H.T. Green	48	do.	2,083	90	65	528	672	1,015	216	401
285	do.	43	Mar.25,1936	1,153	80	72	234	268	303	330	494
289	A.L. Hull	50	Feb. 3,1936	2,713	239	166	484	393	916	710	1,280
290	B.F. McCullough	57	Mar.24,1936	1,473	144	70	280	305	402	425	648
291	D.E. Cross	46	do.	429	-	-	-	256	38	104	-
292	Florence Konz	58	do.	998	-	-	-	244	186	340	-
293	T.L. Ramsey	173	Feb.20,1936	1,279	713	50	214	229	298	430	636
294	B.R. Parker	60	Apr.16,1936	605	-	-	-	305	105	132	-
295	J.F. Mashburn	42	Jan.23,1936	3,498	129	189	874	726	1,914	1,030	1,096
298	Nettie McWhorter	21	Feb.23,1936	6,391	-	-	-	610	1,928	2,020	-
299	Mrs. Williams	50	Jan.21,1936	-	-	-	-	215	62	385	571
302	J.F. Hamby	13	Feb.26,1936	300	56	25	15	378	-	15	295
304	P.N. O'Briant	28	Jan.20,1936	-	-	261	-	-	1,165	890	875
306	L.E. Rowden	29	do.	-	-	268	-	-	20	1,045	810
308	J.H. Currie	9½	Feb.24,1936	226	-	-	-	256	-	10	-
311	W.P.A. test well	11	Mar.25,1936	286	-	-	-	329	-	10	-
312	Francis Stuart	19	Feb.25,1936	184	-	-	-	213	-	6	-
315	W.V. Stephenson	65	Mar.18,1936	752	-	-	-	256	171	192	-
317	Byrda R. Parker	47	do.	1,471	127	46	337	268	397	430	506
318	J.N. Poe	61	Mar.11,1936	943	92	30	214	281	187	280	354
320	S.F. Haynes	69	Mar.20,1936	455	-	-	-	268	63	100	-
321	Howard Walker	63	Mar.18,1936	856	107	41	146	226	184	265	435
323	Finley Martin	70	Mar.20,1936	479	-	-	-	451	4	66	-
324	do.	57	do.	613	-	-	-	12	194	210	-
326	Mrs. Jewell Webster	144	Feb.17,1936	564	74	28	92	229	128	128	301
327	W.A. Cornelius	65	Mar.26,1936	898	-	-	-	183	228	275	-
328	Walter Franklin	56	Mar.24,1936	1,167	-	-	-	292	296	330	-
332	L.R. Shoemaker	28	Jan.23,1936	1,311	160	41	261	113	361	375	568
333	Sam Turner	16	Feb.5, 1936	1,805	82	76	485	408	538	420	506
334	W.E. Hazelwood	61	Mar.17,1936	739	72	58	117	256	138	226	417
335	S.P. Myrick	77	Mar.13,1936	776	91	45	131	268	169	206	416
336	John Atchison	55	do.	624	-	-	-	317	102	140	-
337	E.A. Baugh	63	Feb.17,1936	707	113	38	92	262	139	194	435
338	D.H. Carter	54	do.	807	-	-	-	205	184	186	-

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

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Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
339	J.W. Meeks	62	Mar.20,1936	703	-	-	-	390	129	128	-
340	T.E. Burrus	68	Mar.13,1936	1,340	-	-	-	244	313	445	-
341	Mrs.H.A. Rumfield	65	Mar.20,1936	989	-	-	-	317	211	275	-
342	Earnest Mims	72	Jan.16,1936	3,125	66	25	945	270	1,810	144	268
343	do.	68	do.	547	77	24	103	300	15	178	243
344	J.R. Vance	48	Mar.18,1936	524	-	-	-	292	106	86	-
345	C.E. Barker	50	do.	921	112	31	180	256	205	265	405
346	Mrs. F. Konz	59	Mar.18,1936	752	-	-	-	219	165	216	-
347	Toby Adams	58	do.	1,514	122	58	332	146	449	480	542
348	C.B. Parker	47	do.	523	-	-	-	342	81	80	-
349	Byrda R. Parker	65	Jan.15,1936	973	153	6	182	126	260	246	408
350	Charles Martin	66	Jan.15,1936	1,028	83	328	133	141	163	180	368
352	E.Price and M.Tom	67	Apr. 6,1936	718	-	-	-	293	142	150	-
355	W.P.A. test well	6	Feb.24,1936	398	-	-	-	457	4	11	-
356	do.	1	Feb.27,1936	-	-	-	-	268	27	26	-
360	Mrs. Florence Konz	68	Apr. 6,1936	325	-	-	-	219	43	54	-
361	T.C. Flanagan	54	do.	271	-	-	-	268	7	26	-
362	Joe Peters	129	do.	569	60	47	86	287	83	150	345
363	L.G. Peters	75	Mar.10,1936	675	-	-	-	268	164	140	-
364	J.C. Peters	175	do.	565	-	-	-	256	112	124	-
365	do.	78	do.	641	70	35	122	354	107	130	319
366	Jim Tom	130	do.	291	-	-	-	256	34	20	-
367	J.H. Hesserer	81	Mar.11,1936	2,790	148	98	234	281	374	470	772
369	Mrs.H.L. Rhodes	51	Mar.13,1936	1,565	122	63	338	232	541	385	562
370	Ted Stewart	46	Jan.23,1936	1,248	129	60	216	258	497	217	568
372	Elmer Hull	65	Mar.13,1936	673	-	-	-	280	167	132	-
373	W.E. Hazelwood	64	Mar.17,1936	576	-	-	-	342	94	102	-
375	J.R. Reed	17	Apr.17,1936	2,157	170	110	438	305	632	655	879
376	do.	10	do.	1,917	-	-	-	244	532	615	-
378	E.B. Dickenson	33	Apr.17,1936	906	-	-	-	220	180	300	-
381	T.W. Angel	35	Feb.10,1936	3,432	274	187	663	247	1,055	1,130	1,452
383	Milt Yates	60	Feb.19,1936	1,317	126	71	236	311	434	295	611
384	Penny Stroud	62	do.	1,034	134	62	150	256	215	345	595
386	J.N. Poe	67	Mar.12,1936	969	-	-	-	560	61	280	-
389	Chas. Ebberson	33	Jan.15,1936	243	61	19	55	240	20	18	233

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
390	J.N. Poe	60	Mar.12,1936	341	-	-	-	293	39	28	-
391	J.R. Vance	79	Mar.11,1936	648	-	-	-	329	142	112	-
393	T.D. Green	81	do.	1,475	185	80	208	244	390	490	840
394	R.P. Martin	110	Mar. 9,1936	646	87	51	77	293	131	154	426
395	J.R. Vance	100	do.	1,280	-	-	-	268	449	270	-
397	Mrs. E. Quenl	68	Mar.10,1936	504	-	-	-	317	81	82	-
399	J.R. Vance	120	Mar. 9,1936	678	-	-	-	220	154	178	-
400	do.	110	do.	1,304	140	86	187	244	479	290	701
401	G.P. Anderson	91	Jan.14,1936	1,026	128	78	115	204	338	265	645
402	do.	90	Mar. 5,1936	960	132	88	84	250	211	320	692
403	Paul Peters	71	do.	466	-	-	-	398	23	60	-
404	Will Peters	90	do.	354	-	-	-	292	29	47	-
406	S.P. Reed	120	Mar. 5,1936	749	99	49	106	177	102	305	451
407	W.R. Morris	134	do.	357	-	-	-	225	38	74	-
409	W.O. Clinton	14	Mar. 6,1936	446	-	-	-	475	23	13	-
411	O.L. Miller	14	Mar. 6,1936	378	-	-	-	225	168	11	-
412	J.J. Johnson	23	Feb.24,1936	2,091	-	-	-	305	791	460	-
413	H.L. McKaskle	26	Jan.16,1936	11,170	568	700	2,470	204	2,140	5,140	4,395
415	F.E. Morrow	25	Feb.24,1936	1,289	35	41	391	500	307	265	255
418	J.E. Millhollon	45	Jan.17,1936	1,043	112	72	155	288	300	260	580
420	N.R. Ebbersol	92	Mar.27,1936	374	-	-	-	244	51	64	-
421	American Glycerin Company	152	do.	289	14	24	62	153	75	68	133
423	J.E. Millhollon	130	Jan.17,1936	749	96	41	110	123	255	124	408
425	T. Houston	95	Apr.1, 1936	338	5	60	48	293	7	72	246
428	Mrs. Davenport	73	Apr.1, 1936	1,037	125	77	120	232	365	234	630
429	J.H. Zimmerman	86	Mar.16,1936	861	-	-	-	256	230	208	-
430	J.R. Vance	84	Mar. 9,1936	1,072	104	65	177	268	382	210	528
432	W.C. McClane	90	do.	1,461	-	-	-	256	479	365	-
433	A.E. Eubanks	97	do.	1,066	96	89	155	281	301	285	606
435	J.E. Henson	99	do.	937	-	-	-	244	232	267	-
437	C.C. Kelly	95	Feb. 6,1936	1,225	15	90	303	268	333	350	402
438	J.H. Kelly	93	do.	770	29	38	119	186	227	194	403
439	do.	62	Mar.12,1936	806	87	51	141	390	150	182	426
441	R.L. Henson	60	Jan.16,1936	1,267	96	100	230	300	206	485	650

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

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
442	County Road	8	Jan. 24, 1936	1,524	134	117	244	252	457	320	822
444	C.R. Parker	47	Feb. 10, 1936	1,140	105	50	243	259	218	395	468
445	do.	52	Feb. 11, 1936	1,989	161	88	450	216	282	900	762
447	J.P.A. test well	7	Feb. 25, 1936	277	51	23	28	330	a/	10	224
448	E.B. Dickenson	46	Apr. 16, 1936	506	-	-	-	323	97	66	-
450	B.F. White	48	Mar. 17, 1936	2,170	-	-	-	231	703	630	-
451	J.B. Harvard	23	Jan. 23, 1936	-	-	199	-	-	354	131	63
*454	J.C. Scott	72	Mar. 17, 1936	2,039	132	129	407	213	518	740	871
455	R. Yantis	45	do.	810	72	63	133	256	184	230	438
456	W.W. White	55	Mar. 12, 1936	655	41	48	131	305	169	114	301
457	C.L. Gerald	50	Mar. 17, 1936	874	68	58	170	335	211	200	407
461	Chas. Cornell	110	Feb. 7, 1936	1,100	111	60	202	293	326	255	500
462	H.J. Herzog	85	Mar. 7, 1936	702	63	48	120	268	211	126	356
464	C.F. Grey	88	Mar. 16, 1936	538	-	-	-	353	100	68	-
465	M.E. Christian	88	do.	770	63	48	146	281	225	148	356
466	C.F. Grey	114	Feb. 22, 1936	1,015	89	70	174	165	288	320	508
*468	Palmer Heirs	85	Mar. 27, 1936	731	-	-	-	305	210	116	-
469	Ed Millhollon	94	Apr. 1, 1936	362	-	-	-	152	26	128	-
470	T. Houston	86	do.	730	-	-	-	275	187	152	-
471	J.W. Morgan	79	do.	464	-	-	-	220	7	174	-
472	John Atchison	99	do.	748	-	-	-	268	225	134	-
477	G.W. Tom	13	Feb. 14, 1936	2,725	117	52	760	354	442	1,000	500
481	W.P.A. test well	13	do.	13,296	-	-	-	463	8,016	1,000	-
482	F.A. King	120	Apr. 6, 1936	748	-	-	-	256	229	138	-
484	N. Kaderli	120	Jan. 22, 1936	874	80	58	166	131	219	220	413
486	Stanton Cemetery	94	Mar. 27, 1936	725	59	48	122	305	146	148	346
488	N. Kaderli	120	Jan. 22, 1936	-	-	-	-	220	210	158	320
488	Louise Wolf	74	Feb. 7, 1936	847	56	43	189	286	250	166	316
490	Joseph Stoeger	96	-	668	-	-	-	274	157	140	-
491	Mrs. Mable Stoeger	76	Mar. 16, 1936	657	59	46	118	305	142	140	336
492	Chas. Ebbersol	69	do.	592	-	-	-	244	134	128	-
493	W.T. Colwell	51	Mar. 14, 1936	730	-	-	-	274	173	166	-
494	M. H. Nance	52	Feb. 6, 1936	821	82	53	145	342	192	178	416
496	Frankie Davidson	65	Feb. 7, 1936	966	76	55	191	299	303	192	416

a/ Sulphate less than 5 parts per million.

* For analyses of water from wells 452 and 467 see last page of table.

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (CO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
499	Mrs. A.M. Morgan	69	Apr. 6, 1936	1,393	104	109	232	268	419	395	708
502	G.W. Tom	61	Mar. 27, 1936	1,484	153	108	216	268	408	465	829
503	Annie Stone	81	do.	963	-	-	-	232	277	242	-
506	G.W. Tom	67	Mar. 27, 1936	926	106	59	143	268	240	244	505
601	J.E. Mabee and Pyle	81	June 11, 1936	806	123	34	127	317	134	230	449
602	Mrs. O.B. Holt	75	June 10, 1936	642	-	-	-	281	115	158	-
605	Moore's Hill School	74	May 29, 1936	767	70	43	159	452	146	123	-
606	J.D. Whitmire	70	do.	492	-	-	-	280	85	91	-
607	Scharbauer Cattle Co.	54	May 29, 1936	692	-	-	-	353	92	174	-
608	do.	90	May 30, 1936	-	-	-	-	-	109	95	-
609	do.	55	do.	424	-	-	-	262	69	71	-
610	Board School	37	May 20, 1936	478	72	14	89	281	79	84	237
611	Mrs. A.M. Board	48	do.	632	-	-	-	280	123	146	-
612	Van Chapman	75	do.	2,105	-	-	-	292	687	570	-
613	Mrs. Ida Wolcott	62	do.	1,360	54	108	220	464	236	310	584
614	J.I. Massingill	64	do.	1,391	51	158	231	354	319	465	775
615	W.F. Stewart	105	May 19, 1936	1,262	46	101	269	305	299	395	533
616	Henry Wolcott	75	May 20, 1936	758	-	-	-	384	138	158	-
619	Dick Knox	87	May 19, 1936	740	-	-	-	415	119	146	-
620	G.T. Hall-Price	78	do.	1,119	107	70	199	354	276	290	554
623	Wolcott School	120	May 3, 1936	423	43	22	88	268	60	76	198
624	G.T. Hall	124	May 1, 1936	945	60	47	282	305	180	224	341
625	do.	86	Mar. 26, 1936	915	128	73	106	342	127	310	619
626	T.E. Powell	95	-	841	-	-	-	305	171	222	-
627	F.F. Henson	105	-	1,656	62	30	500	281	459	465	276
628	P.C. Tom	69	May 19, 1936	1,760	78	145	348	342	453	565	793
633	Frank Orson	47	May 22, 1936	713	84	29	143	372	127	144	329
634	Scharbauer Cattle Co.	41	May 29, 1936	676	72	29	140	305	123	160	-
636	do.	70	May 29, 1936	461	-	-	-	280	77	78	-
637	J.D. Whitmire	34	do.	596	80	40	87	391	109	85	365
638	do.	57	June 11, 1936	459	-	-	-	274	77	80	-
639	J.E. Mabee	44	June 13, 1936	691	-	-	-	311	142	150	-
640	do.	73	-	588	-	-	-	292	109	124	-
641	J.D. Whitmire	82	June 11, 1936	833	91	27	171	232	230	198	338
642	J.E. Mabee	75	June 16, 1936	1,120	124	40	236	305	203	375	476

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

Results are in parts per million.

Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
643	J.E. Mabee	42	June 13, 1936	1,233	145	85	144	244	582	155	711
644	do.	74	June 10, 1936	3,882	233	58	1,070	207	1,148	1,270	822
645	J.B. McReynolds	35	May 28, 1936	1,537	121	70	331	244	403	490	588
647	do.	34	do.	847	-	-	-	353	177	196	-
649	do.	42	do.	1,395	153	72	239	256	388	415	678
651	S.O. Covington	31	May 22, 1936	829	-	-	-	323	161	215	-
653	P.C. Tom	35	do.	1,839	75	152	354	352	641	70	809
654	H.B. Schick	34	Apr. 10, 1936	1,824	-	-	-	347	540	495	-
656	C.M. Houston	57	do.	1,605	58	95	392	445	428	410	537
657	G.T. Hall	73	do.	1,260	69	75	265	330	326	360	540
658	W.A. Howard	72	-	1,953	72	140	433	366	510	615	757
660	G.T. Hall	69	Apr. 9, 1936	843	47	49	194	330	198	190	321
662	do.	82	do.	559	-	-	-	292	117	98	-
663	R.E. Lloyd	107	-	548	-	-	-	293	117	90	-
664	R.T. Kingsfield	85	Mar. 26, 1936	744	-	-	-	262	191	164	-
665	G.T. Hall	88	Mar. 23, 1936	1,532	-	-	-	420	349	270	-
666	W.T. Epley	91	do.	631	35	48	127	226	156	152	286
667	F.P. Welch	88	Mar. 26, 1936	651	-	-	-	305	154	116	-
668	H.J. Winchester	76	Feb. 20, 1936	560	-	-	-	225	115	136	-
669	F.P. Welch	77	Mar. 26, 1936	614	-	-	-	317	131	106	-
670	C.M. Houston	73	Apr. 10, 1936	879	-	-	-	464	292	355	-
671	do.	51	-	993	-	-	-	396	196	250	-
672	J.P.A. test well	6	May 22, 1936	4,970	-	-	-	256	2,534	750	-
673	E.H. Williams	36	do.	1,555	53	67	372	372	507	270	408
674	W.H. Badgett	37	do.	549	-	-	-	292	123	86	-
675	Badgett School	63	May 27, 1936	2,287	193	127	412	238	670	710	1,060
676	J.E. Mabee	61	June 16, 1936	666	-	-	-	268	108	186	-
677	do.	40	do.	2,831	-	-	-	201	1,098	710	-
678	J.P.A. test well	24	June 12, 1936	1,665	-	-	-	305	436	510	-
679	do.	23	do.	2,457	228	65	566	403	627	770	838
680	J.E. Mabee	44	do.	1,923	-	-	-	158	495	700	-
681	do.	67	June 13, 1936	974	128	57	151	366	165	290	552
682	do.	67	do.	359	-	-	-	225	50	66	-
683	Gladys H. Cowden	72	June 23, 1936	-	-	-	-	-	-	49	-
684	Geo. Glass	87	do.	514	-	-	-	207	88	140	-

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

Results are in parts per million.

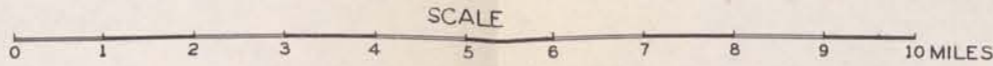
Well No.	Owner	Depth of well (feet)	Date of collection	Total dissolved solids calculated	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Total hardness as CaCO ₃ (calculated)
685	J.E. Mabee and W.H. Pyle	58	June 12, 1936	622	91	22	112	293	111	146	318
686	Mabel Holt Glass	51	May 27, 1936	557	-	-	-	280	109	110	-
687	J.W. Meek	44	do.	1,008	-	-	-	268	280	250	-
691	W.W. Williams	44	do.	1,419	68	82	321	244	541	315	510
692	West Texas Stock Raising Co.	35	do.	2,544	210	121	515	213	752	840	1,025
693	W.P.A. test well	6	June 17, 1936	67,137	-	-	-	217	8,419	35,200	-
694	Scharbauer Cattle Co.	85	June 13, 1936	444	-	-	-	237	65	100	-
695	Gladys H. Cowden	60	June 23, 1936	516	-	-	-	256	88	116	-
696	do.	57	June 24, 1936	587	-	-	-	415	71	92	-
697	W.G. Dameron	43	do.	1,069	95	31	257	354	234	275	364
698	Gladys H. Cowden	63	June 23, 1936	1,582	140	37	318	342	261	455	500
699	Scharbauer Cattle Co.	70	June 21, 1936	1,331	164	50	245	305	315	405	616
700	do.	62	do.	488	-	-	-	232	61	134	-
702	Mabel Holt Glass	72	May 27, 1936	454	-	-	-	280	69	81	-
703	do.	41	do.	707	-	-	-	311	156	148	-
704	J.H. Nail Estate	51	June 17, 1936	607	-	-	-	244	104	166	-
705	J.H. Nail	53	Mar. 25, 1936	2,812	-	-	-	275	721	1,000	-
706	J.D. Jones	40	Apr. 17, 1936	860	116	21	169	244	172	260	378
707	J.H. Nail Estate	51	June 17, 1936	801	106	14	186	366	32	280	322
708	J.E. Mabee	80	June 16, 1936	429	-	-	-	341	35	64	-
709	Scharbauer Cattle Co.	38	June 24, 1936	496	-	-	-	293	100	72	-
710	do.	54	do.	1,111	172	50	280	378	330	420	686
452	J.B. Harvard	18	Jan. 23, 1936	477	75	32	70	462	a/	67	327
467	City of Stanton	13 1/2	May - 1936	1,330	124	64	155	230	418	200	572

(Analysis by State Department of Health. Also gives: Iron, 0.1; and Fluoride, 2.0 parts per million.)

a/ Sulphate less than 5 parts per million.

MAP OF MARTIN COUNTY, TEXAS

SHOWING LOCATIONS OF WATER WELLS LISTED IN THIS REPORT



- EXPLANATION -

FIELD WORK BY
JOE W. LANG
PROJECT SUPERINTENDENT

BASE COMPILED FROM
LAND OWNERSHIP MAP
AND FIELD NOTES

- WELL WITH WINDMILL, HAND PUMP OR SMALL POWER PUMP
- WELL WITH PUMPING PLANT 5 HORSEPOWER OR LARGER
- ◇ UNUSED WELL
- ◇ WELL DRILLED TO TEST FOR OIL OR GAS
- q SPRING

- △ U.S.C.&G.S. BENCHMARK, WITH NUMBER SHOWING ALTITUDE ABOVE SEA LEVEL
- RAILROAD
- TEST WELL DRILLED BY W.P.A. LABOR
- SCHOOLHOUSE
- IMPROVED ROAD
- - - UNIMPROVED ROAD

- "DRY LAKE" WITH NUMBER INDICATING DEPTH BELOW GENERAL GROUND LEVEL
- HILL, WITH NUMBER INDICATING ELEVATION ABOVE GENERAL GROUND LEVEL
- ESCARPMENT

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