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BAILEY COUNTY, TEXAS

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

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WORKS PROGRESS ADMINISTRATION

GROUND-WATER SURVEY

PROJECT 2070

W. L. Broadhurst
Project Superintendent

* * *

Analyses made, map prepared, data assembled, and report mimeographed by
WORKS PROGRESS ADMINISTRATION
PROJECT 6507-5112

* * *

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.

* * *

Austin, Texas
June 25, 1937

BAILEY COUNTY, TEXAS

* * *

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 to 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 6507-5112 at Austin, Texas, sponsored 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 Bailey County was started as Project 2070 in District 17 of the Works Progress Administration, Lubbock, Texas, on January 2, 1936, with H. H. Hinson, a geologist, as project superintendent. Mr. Hinson resigned on January 15 and after some delay B. F. Baldwin, a geologist, was appointed to replace him. The project was shut down on February 15 with about 20 per cent of the work completed. The project was reopened on September 24, 1936, with W. L. Broadhurst, also a geologist, as project superintendent. The field work was completed January 30, 1937.

This project was made possible by the close cooperation of District 17 of the Works Progress Administration, the Texas Board of Water Engineers and the U. S. Geological Survey. Miss Evelyn Richter, Supervisor of Women's and Professional Projects in the Lubbock District of the Works Progress Administration, was directly in charge of the operation of the project for the Administration. Some of the information contained in this report was obtained from the Water Utilization Unit of the Resettlement Administration from records made by H. P. Burleigh, W. R. Stanley, and W. W. Scott. Sources of published information are acknowledged in the table of water level measurements.

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, water level measurements of observation wells, and the chemical analyses of water from privabely owned wells and springs. Locations of all wells and springs listed are shown on the 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 Bailey County, Texas
(All wells are drilled unless otherwise noted in "Remarks" column.)

No.	Distance from Muleshoe	Section or Labor	Survey, Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/ b/
1	15½ miles west	Sec. 63, NE¼SE¼	Blk. Z	B. E. Chaney	--	--	126	4½	0.5
e/ 2	16 miles west	Sec. 68, NE¼NE¼	do.	C. E. Dotson	--	1925	90	4½	--
3	15 miles west	Sec. 60, NE¼SE¼	do.	Cordell-Eswall	Mardis Bros.	1924	72	--	1.5
4	12½ miles northwest	Sec. 35, NE¼NE¼	do.	Mrs. Annie Tyer	Tom Smith	1930	84	4½	1
5	10 miles northwest	Sec. 3, NW¼NW¼	do.	Tom Radney	Harold Mardis	1925	92	4½	3
e/ 9	10½ miles west	Sec. 21, cen. N side NW¼	do.	Jim Ellis	A. B. Hayes	1935	79	--	0
10	11½ miles west	Sec. 28, SW¼SW¼	do.	Albert Ramm	Ole Meeks	1936	44	8	1
11	10½ miles west	Sec. 22, NE¼SW¼	do.	Tom Smith	Tom Smith	1927	68	--	0
12	10 miles west	do.	do.	do.	Mardis Bros.	1925	40	6	0.5
15	11½ miles west	Sec. 39, SE¼SE¼	do.	E. K. Warren Ranch	Roy Elrod	1918	40	6	1
16	10 miles west	Sec. 23, SE¼SW¼	do.	do.	Tom Smith	1936	44	4½	1
e/ 17	9½ miles west	Sec. 11, NW cor. SW¼	Blk. X	Mrs. Nellie M. Dean	do.	1934	56	15½	0.5
e/ 21	8 miles west	Sec. 6, NW¼NW¼	do.	Mrs. J. W. Gregory, Sr.	R. C. Ireton	1936	98	15	0.8
e/ 22	7 miles west	Sec. 6, cen. N side SE¼	Blk. Z	C. A. Wagner	-- Hayes	1931	100	--	0
e/ 23	do.	Sec. 6, NW¼SE¼	Blk. X	J. G. McIntyre	-- Mardis-Tom Smith	1925	75	--	0
e/ 24	8 miles west	Sec. 6, SE¼SE¼	Blk. Z	W. L. Swanson	Tom Smith	1934	45	--	1.2
e/ 25	do.	Sec. 6, NW¼SE¼	do.	C. A. Wagner	A. B. Hayes	1931	100	--	0.5
e/ 26	do.	Sec. 6, SW¼SE¼	do.	W. L. Swanson	Harold Mardis	1926	55	--	1
e/ 28	7½ miles west	Sec. 7, SW¼NW¼	Blk. X	C. S. Otto	Tom Smith	1936	30	--	0
e/ 30	7 miles west	Sec. 7, NE¼NE¼	do.	L. R. Hagen	do.	1935	70	--	0
e/ 31	6½ miles west	Sec. 10, NW cor. NW¼	do.	J. H. Farley	--	1933	29	--	0
e/ 33	7 miles northwest	Sec. 12, NW cor. SW¼	do.	Mrs. J. W. Gregory	--	1936	96	16	1.5
34	6 miles northwest	Sec. 20, NE¼NE¼	do.	Progress School	Homer Mardis	1935	76	4½	0.4
e/ 35	4¾ miles northwest	Sec. 24, NE¼SE¼	do.	F. O. Boone	A. B. Hayes	1935	89	16½	0.5

a/ Measuring point was usually top of casing, top of pump base, or top of well curb.
b/ Measuring point was above ground unless indicated by minus (-) sign.
c/ C, cylinder; T, turbine; B, bucket; Cf, centrifugal; W, windmill; Ng, natural gas; H, hand; G, gasoline; E, electric; O, diesel or oil; number indicates horsepower.

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

No.	Water Level: Depth below measuring point (feet)	Water Level: Date of measurement	Pump and power c/	Use of water d/	Topographic situation	Remarks
1	114	Oct. 8, 1936	C,W	D,S	Undulating	Steel curb and casing, top to bottom.
2	--	--	C,W	D,S	do.	Steel curb and casing, top to bottom. Strong supply reported from sand.
3	59.9	Oct. 8, 1936	C,W	D,S	Flat	Reported strong supply.
4	74.3	Oct. 8, 1936 f/	C,W	D,S	Gentle slope	Steel curb and casing, top to bottom. Reported strong supply.
5	75.2	Oct. 8, 1936	C,W	D,S	Flat	Steel curb and casing, top to bottom. Irrigates small garden in summer. Water reported from sand.
9	40.4	Oct. 9, 1936 f/	T,Ng, 20	I	do.	Reported irrigated 75 acres in 1936.
10	36.7	Oct. 8, 1936	B,N	D,S	do.	Galvanized curb; 31 feet galvanized casing at top.
11	26.4	Oct. 9, 1936 f/	Cf,G, 15	I	do.	No casing. Reported strong supply.
12	26.2	Oct. 9, 1936	C,W	D,S	do.	Steel curb and casing, top to bottom. Water reported from gravel.
15	25.2	do.	C,W	D,S	Gentle slope	Galvanized curb and casing. Strong supply reported from sand and gravel.
16	13.2	do.	C,W	S	do.	Metal curb and casing, top to bottom. Water reported from sand.
17	24.1	Oct. 9, 1936 f/	Cf,G, 30	I	Flat	Dug well. Wrought iron curb; 36 feet wrought iron casing at top. Water reported from sand and gravel.
21	23.7	Oct. 20, 1936	T,G, 38	I	Gentle slope	Copper alloy curb; 60 feet 15½-inch copper casing at top; 38 feet 10-inch steel casing at bottom. Water reported from sand.
22	23.3	do. Observed by W. R. Stanley.	Cf,-,-	--	do.	No casing.
23	20.7	May 28, 1937	Cf,G, 10	I	Flat	No casing. Reported weak supply.
24	22.8	Oct. 20, 1936	Cf,G, 10	I	Gentle slope	No casing. Reported used on truck garden.
25	23.3	do.	Cf,G, 18	I	do.	No casing. Reported irrigated 80 acres in 1936. See log.
26	22.8	do.	Cf,G, 10	I	do.	No casing. Reported irrigated 20 acres in 1936.
28	23.4	Sept.25, 1936	Cf,-,-	I	do.	Rock curb; no casing.
30	18.3	Sept.24, 1936	Cf,G, 20	I	do.	No curb or casing. Water reported from red sand. Reported pumped 100 hours in 1936.
31	17.1	Sept.25, 1936 f/	Cf,G, --	I	Flat	Rock curb; no casing. Water reported from sand. Reported pumped 200 hours in 1936.
33	28.2	Oct. 20, 1936	T,G, 60	I	--	65 feet 16-inch casing at top; 32 feet 10-inch casing at bottom. Reported pumped 300 hours in 1936.
34	44.4	Oct. 27, 1936	C,W	D,S	Gentle slope	Galvanized curb and casing. Reported strong supply.
35	27.5	May 28, 1937	T,G, 25	I	--	Casing perforated last 30 feet. Water reported from caliche. See log.

d/ D, domestic; S, stock; I, irrigation; Ind, industrial; N, none.
e/ No water sample collected for analysis.
f/ See table of water level measurements for additional measurements.
g/ Water level reported.

Records of wells in Bailey County--Continued

No.	Distance from Muleshoe	Section or Labor	Survey, Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/ b/
e/ 36	4¾ miles northwest	Sec. 23, NE¼NW¼	Blk. X	J. M. Murrah	Harold Hardis	1926	23	--	0
e/ 37	5 miles northwest	Sec. 23, NW¼NW¼	do.	Mrs. Chester Lane	--	--	--	--	--
e/ 38	5 miles west	Sec. 22, NE¼SE¼	do.	Charles Berkely	--	1932	92	--	0
41	3 miles northwest	Sec. 21, SW cor. SW¼	Blk. Y	E. R. Mathers	--	--	37	4½	1
e/ 43	2 miles northwest	Sec. 32, NW¼SW¼SW¼	do.	Eva Shirley	Oscar Shirley	1934	88	--	--
e/ 44	2¼ miles northwest	Sec. 21, cen. E line SE¼	do.	R. M. Bradley	A. B. Hayes	1930	125	14	--
e/ 45	do.	Sec. 32, NW cor. SW¼	do.	H. M. Schofner	--	1936	51	--	0.8
e/ 46	2¾ miles northwest	Sec. 21, cen. SW¼NE¼	do.	J. A. Wimberly	-- Mounts	1934	66	14	1
e/ 47	3 miles northwest	Sec. 21, W side SW¼NE¼	do.	John L. Rogers	--	1924	80	--	--
e/ 49	3¾ miles northwest	Sec. 33, NE¼SE¼	Blk. X	Jess Mitchell	A. B. Hayes	--	72	12	0
e/ 50	do.	Sec. 22, NW¼SW¼	Blk. Y	B. F. Lyers	--	1906	66	10	--
e/ 51	4 miles northwest	Sec. 22, SW¼NW¼	do.	Howard Paul	--	1916	80	--	--
e/ 52	do.	Sec. 22, NW cor. NW¼	do.	Lester Hickock	--	1916	--	--	0.5
e/ 53	3¼ miles northwest	Sec. 22, NE¼SE¼	do.	W. B. Gwyn, Sr.	Tom Smith	1934	78	11	0
54	5 miles north	Sec. 29, SW¼NW¼	do.	W. R. Wilson	--	1927	55	4½	1
56	5½ miles north	Sec. 45, SE cor. NE¼	do.	R. L. Hobbs	--	Old	76	4½	0
57	4¾ miles north	Sec. 49, NW¼SW¼	do.	Mrs. -- Barfield	--	Old	60	6	0
e/ 60	3½ miles north	Sec. 43, W½SE¼	do.	J. W. Kropff	--	--	55	7	--
e/ 62	2¾ miles north	Sec. 42, NW cor. SE¼	do.	Levi Churchill	A. B. Hayes	1934	140	15	0.3
e/ 63	do.	Sec. 42, NW cor. SW¼	do.	Sam Gorrell	do.	1931	74	14	0.5
65	2¼ miles north	Sec. 41, NW cor. NW¼	do.	J. L. Wallace	--	1916	90	8	--
e/ 66	do.	Sec. 41, NW cor. NE¼	do.	do.	Geo. Green	1915	90	28	0
67	do.	do.	do.	I. W. Harden	-- Mounts	1935	49	30	0
e/ 69	1¾ miles north	Sec. 52, NW¼SW¼	do.	E. R. Hart	--	--	68	14	0
e/ 70	1¼ miles north	Sec. 53, NW cor. NW¼	do.	Allen McReynolds	-- Tandy	1931	75	--	1
e/ 73	do.	Sec. 40, NE¼NW¼	do.	City of Muleshoe	A. B. Hayes	1933	100	15½	--

W. L. Broadhurst, Project Superintendent

No.	Water Level: Depth below measuring point (feet)	Water Level: Date of measurement	Pump and power c/	Use of water d/	Topographic situation	Remarks
36	20.9	Sept.24, 1936 f/	Cf,G, --	I	Gentle slope	Reported irrigated 75 acres in 1936.
37	--	--	Cf,Ng, --	I	Flat	Reported strong supply.
38	15.5	Nov. 11, 1936 f/	Cf,G, --	I	--	Reported irrigated 18 acres in 1936.
41	21.9	Sept.25, 1936	C,W	D,S	Flat	Estimated yield, 10 gallons a minute.
43	15	g/	Cf,G, 6	I	--	Estimated yield, 400 gallons a minute.
44	17	g/	Cf,G, 35	I	Undulating	Estimated yield, 1,200 gallons a minute.
45	20.8	May 28, 1937	Cf,C, 20	I	--	Reported irrigated 24 acres in 1936.
46	24.2	May 28, 1937	Cf,G, 30	I	Gentle slope	60 feet casing at top. Reported irrigated 40 acres in 1936.
47	22	g/	Cf,G, 25	I	--	Reported irrigated 21 acres in 1936.
49	25.1	Oct. 8, 1936 f/	T,G, 25	I	Gentle slope	Water reported from quartz sand. Estimated yield, 1,000 gallons a minute. See log.
50	26	g/	Cf,G, --	I	Flat	40 feet galvanized casing at top. Water reported from sand.
51	25	g/	Cf,G, 30	I	Gentle slope	Water reported from coarse sand. Estimated yield, 480 gallons a minute.
52	25.7	Oct. 8, 1936	Cf,G, --	I	Flat	Concrete curb. Reported used 45 hours in 1936.
53	25.5	Nov. 9, 1936 f/	Cf,G, 18	I	Gentle slope	52 feet galvanized casing at top. Water reported from fine sand. See log.
54	52.4	Oct. 27, 1936	C,W	D,S	do.	Galvanized casing. Reported strong supply.
56	60.6	Sept.24, 1936 f/	C,W	D,S	Ridge	Steel casing. Reported strong supply. Reported irrigates small garden in summer.
57	42.9	Sept.24, 1936	C,W	D,S	Gentle slope	Iron casing. Reported irrigates garden in summer.
60	25	g/	T,G, 25	D,I	--	Reported 8 feet drawdown pumping 350 gallons a minute for 12 hours.
62	26.3	Oct. 12, 1936 f/	T,G, 45	I	Gentle slope	70 feet 15-inch oil field casing at top; 70 feet 12-inch casing at bottom. Strong supply reported from sand and boulders. See log.
63	29.4	do.	T,G, 40	I	do.	100 feet wrought iron casing at top. Reported irrigates 120 acres. See log.
65	19	g/	T,G, 30	I	--	Reported 10 feet drawdown pumping 1,250 gallons a minute for 36 hours.
66	22.0	Sept.24, 1936 f/	T,G, 25	I	Flat	60 feet 28-inch casing at top; 30 feet 12-inch casing at bottom. Estimated yield, 1,000 gallons a minute.
67	22.5	Sept.23, 1936 f/	T,G, 25	I	Gentle slope	No casing. Reported 19.6 feet drawdown pumping 1,000 gallons a minute for 20 minutes.
69	16.5	Oct. 27, 1936 f/	Cf,G, 30	I	do.	Wood curb. Reported strong supply.
70	15.2	Nov. 10, 1936	Cf,G, 15	I	Flat	Estimated yield, 700 gallons a minute. Reported irrigated 40 acres in 1936.
73	16	g/	None	N	do.	Reported 3 feet drawdown pumping 1,100 gallons a minute for 10 hours. Reported altitude, 3,796 feet. See log. City of Muleshoe emergency well.

Records of wells in Bailey County--Continued

No.	Distance from Muleshoe	Section or Labor	Survey, Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/ b/
e/ 74	1¼ miles north	Sec. 40, NW¼NW¼	Blk. Y	Walter Witte	Tom Smith	1932	147	10	-10.1
e/ 75	1¼ miles northwest	Sec. 40, SW¼NW¼	do.	M. C. Hennington	T. L. Mounts	1934	100	--	--
e/ 77	1 mile northwest	Sec. 40, SE¼NW¼	do.	M. S. Stidham	A. B. Hayes	1932	100	12	0.1
e/ 78	1 mile north	Sec. 40, SW¼NE¼	do.	-- Fotherall	--	--	--	--	--
e/ 79	do.	Sec. 53, SW cor. NW¼	do.	D. E. Cox	A. B. Hayes	1935	70	6	0.5
e/ 85	2¼ miles east	Sec. 59, SW¼NW¼	do.	E. K. Warren	--	--	40	--	0.4
88	2½ miles northeast	Sec. 61, NW cor. SW¼	do.	R. W. Tyson	Walter Miller	--	50	--	--
90	2½ miles northeast	Sec. 61, NW cor. NW¼	do.	J. T. Gilbreth	L. B. Woods	--	80	15½	--
e/ 91	3 miles north	Sec. 61, NE¼NE¼	do.	J. J. Woodside	J. J. Woodside	1931	49	42	- 9.8
e/ 92	3¼ miles north	Sec. 51, NW¼NE¼	do.	L. T. McConnell	--	1931	64	--	0
e/ 93	3½ miles north	Sec. 62, NW cor. NW¼	do.	J. T. Gilbreath	A. B. Hayes	1935	84	15	0.5
e/ 95	4 miles northeast	Sec. 71, NW¼NW¼	do.	E. B. Hart	--	--	76	--	1.5
e/ 96	4¼ miles northeast	Sec. 71, NW¼NE¼	do.	E. D. Hupp	-- Wilterding	1919	80	--	0
e/ 98	4½ miles northeast	Sec. 70, NE¼NW¼SW¼	do.	Mrs. E. H. Buhrmen	-- Hutchins	1911	113	--	0.3
e/ 99	4½ miles north	Sec. 63, NW¼NW¼	do.	Mrs. Tom Farris	-- Hatfield	1910	100	--	0.9
102	6 miles north	Sec. 65, SW¼NE¼	do.	D. B. Head	--	1916	67	4½	4
103	6½ miles northeast	Sec. 68, SE cor. NE¼	do.	W. M. Wilterding	--	--	64	4	0.5
c/104	7½ miles northeast	Sec. 16, NE¼SE¼	Blk. W	Fred Warren	J. M. White	1935	125	15½	0
105	do.	Sec. 16, SE¼SE¼	do.	H. M. Gable	-- White	1935	94	14	--
e/107	7 miles northeast	Sec. 31, SW¼NE¼	do.	Mrs. Ethyl S. Eskridge	A. B. Hayes	1932	100	--	--
108	do.	Sec. 31, SE¼NE¼	do.	T. L. Mounce	T. L. Mounce	1934	83	--	1.8
e/109	6½ miles northeast	Sec. 34, NW¼NE¼	do.	K. K. Smith	--	Old	118	--	1.5
e/110	do.	Sec. 31, NW¼SW¼	do.	Bill Mathieson	-- Dempster	--	145	15	--
111	do.	Sec. 32, NW¼SE¼	do.	do.	E. R. Hart	1918	145	24	--
e/113	6 miles northeast	Sec. 32, SW¼SE¼	do.	do.	do.	1919	140	24	3
114	do.	Sec. 32, NW¼SE¼	do.	A. J. Watson	-- Schoffner	1934	54	12	1

No.	Water Level: Depth below measuring point (feet)	Water Level: Date of measurement	Pump and power c/	Use of water d/	Topographic situation	Remarks
74	6.1	Nov. 18, 1936 f/	Cf,G, 35	I	Gentle slope	Reported strong supply.
75	20	g/	T,G, 40	I	do.	No casing. Water reported from caliche rock.
77	16.7	Nov. 18, 1936	T,G, --	I	do.	40 feet 12-inch galvanized casing at top; 10-inch casing to bottom.
78	--	--	None	I	do.	No casing. Reported well caved in.
79	24.1	Oct. 27, 1936 f/	T,E, 30	I	do.	Tin casing. Reported strong supply.
85	14.7	Nov. 10, 1936	C,W	S	do.	No casing. Reported strong supply.
88	10	g/	C,W	D,S	--	Reported slight drawdown pumping 20 gallons a minute for 12 hours.
90	26	g/	T,G, 35	I	--	Reported 14 feet drawdown pumping 1,500 gallons a minute for 12 hours.
91	5.4	Nov. 10, 1936	Cf,G, 15	I	Flat	Dug well. No casing. Strong supply reported from white and red, sandy clay.
92	23.2	Oct. 7, 1936 f/	T,G, 30	I	Gentle slope	No casing. Reported highly mineralized. Reported irrigated 70 acres in 1936.
93	26.3	Oct. 7, 1936	T,G, 36	I	Flat	80 feet 15-inch casing at top. Reported irrigated 160 acres in 1936. Reported water level
95	24.7	Oct. 7, 1936 f/	Cf,G, 20	I	Gentle slope	Reported irrigated rose during summer of 1936. 75 acres in 1936.
96	19.1	Nov. 10, 1936	Cf,G, 25	I	do.	Reported water level lowered in 1936. Reported irrigated 60 acres in 1936.
98	23.5	May 28, 1937	Cf,G, --	I	--	Reported operated 420 hours pumping 700 gallons a minute. Irrigated 60 acres in 1936.
99	52	May 26, 1936	T,G, --	I	Gentle slope	No casing.
102	47.0	Oct. 7, 1936	C,W	D,S	Undulating	Steel casing. Water reported from sand. Reported 2 feet drawdown pumping 10-15 gallons a
103	56.4	Sept.30, 1936	C,W	D,S	Gentle slope	Galvanized casing. Reported strong supply. minute for 8 hours.
104	57	Sept.29, 1936	Cf,G, 33	I	do.	88 feet steel casing at top. Reported operated 2,730 hours pumping 850 gallons a minute.
105	57	g/	T,G, 30	I	--	Report Irrigated 200 acres in 1936. See log. ed 15 feet drawdown pumping 1,500 gallons a
107	--	--	T,G, 16	I	Gentle slope	Estimated yield, 500 gallons a minute. minute for 1 hour.
108	36.5	Jan. 18, 1937 f/	T,G, 36	I	Flat	Reported operated 330 hours pumping 800 gallons a minute. Irrigated 40 acres in 1936.
109	27.4	Sept.29, 1936	Cf,G, 25	I	Gentle slope	Dug well. Reported operated 764 hours pumping 850 gallons a minute. Irrigated 18 acres in 1936. Water reported from caliche.
110	24	g/	Cf,O, 25	I	--	Reported 18 feet drawdown pumping 1,500 gallons a minute for 30 minutes.
111	25.1	Jan. 10, 1936	Cf,G, 25	I	--	Reported 20 feet drawdown pumping 1,200 gallons a minute for 15 minues.
113	28.4	Oct. 7, 1936	Cf,O, 25	I	Flat	90 feet 24-inch casing at top; 50 feet 13-inch casing at bottom. Reported irrigates 240 acres.
114	28.7	Oct. 7, 1936 f/	Cf,G, 20	I	do.	Dug well, 0-25 feet; drilled well, 25-34 feet. Estimated yield, 750 gallons a minute.

Records of wells in Bailey County--Continued

No.	Distance from Muleshoe	Section or Labor	Survey, Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/ b/
116	6 miles northeast	Sec. 32, NE¼SW¼	Blk. W	C. B. Huggins	A. B. Hayes	1927	45	--	3
117	do.	Sec. 32, NW¼NW¼	do.	H. L. Dempster	do.	--	53	16	0.8
120	5 miles northeast	Sec. 83, NW cor. SW¼	Blk. Y	I. F. Wilman	-- Greathouse	1912	67	11	0
e/121	5½ miles northeast	Sec. 90, cen. E side SE¼	do.	-- Bradley	--	--	120	--	--
e/122	4½ miles northeast	Sec. 82, NW cor. NW¼	do.	W. T. Millen	--	1911	150	--	- 2
e/123	4¾ miles northeast	Sec. 91, NW¼S½	do.	A. W. Darnell	--	1912	80	--	0.8
124	4 miles northeast	Sec. 81, NW cor. NW¼	do.	S. D. Beller	-- Krofft	1932	60	--	-12
126	4¼ miles northeast	Sec. 81, NE¼NE¼	do.	I. W. Harden	--	--	40	9	--
127	4½ miles northeast	Sec. 81, NE cor. NE¼	do.	C. A. Reeves	-- Cropp	1932	44	4	--
e/128	4¾ miles northeast	Sec. 92, NW¼NE¼	do.	H. L. Evans	C. Brutton	1936	72	--	-16
e/129	5 miles northeast	Sec. 48, NE¼NW¼	Blk. W	C. H. Whitehead	Dompster Co.	1913	141	16	-17
e/130	6 miles northeast	Sec. 33, NE¼SE¼	do.	E. R. Hart	do.	--	140	12	-18.5
e/131	do.	Sec. 34, NW cor. SW¼	do.	R. D. Precure	--	--	59	--	0.3
e/132	6½ miles northeast	Sec. 34, NW cor. SE¼	do.	J. A. Ryan	Dempster Co.	1913	77	13	1
e/135	6 miles east	Sec. 47, NW¼SW¼	do.	C. H. LeHew	--	1918	150	--	0
e/136	5½ miles east	Sec. 48, NW¼SE¼	do.	C. A. Barnett	-- Wilterding	1916	86	13	0
e/137	4¾ miles east	Sec. 48, NW¼SW¼	do.	C. H. Whitehead	A. B. Hayes	--	130	15	-11
140	4½ miles east	Sec. 49, SW¼NW¼	do.	L. L. Lowry	Dempster Co.	1918	40	6	1
e/141	do.	do.	do.	do.	do.	1915	150	12	-16.5
143	4 miles east	Sec. 93, SW¼N½	Blk. Y	C. H. Whitehead	do.	1916	99	13	0.5
145	3¼ miles east	Sec. 77, SW¼NE¼	Blk. S-2	E. K. Warren	--	1887	23	6	0.5
151	5½ miles east	Lab. --, SE¼SE¼	League 220	Janes Est.	-- Jones	1914	76	6	0.5
152	7½ miles southeast	Lab. 18, NE¼	League 206	do.	--	--	62	4½	1.5

a/ Measuring point was usually top of casing, top of pump base, or top of well curb.
b/ Measuring point was above ground unless indicated by minus (-) sign.
c/ C, cylinder; T, turbine; B, bucket; Cf, centrifugal; W, windmill; Ng, natural gas; H, hand; G, gasoline; E, electric; O, diesel or oil; number indicates horsepower.

No.	Water Level: Depth below measuring point (feet)	Water Level: Date of measurement	Pump and power c/	Use of water d/	Topographic situation	Remarks
116	22.7	Oct. 7, 1936 f/	Cf,G, 25	I	Gentle slope	No casing. Reported operated 70 hours pumping 1,400 gallons a minute. Irrigated 40 acres in 1936. Reported altitude, 3,755 feet.
117	35.5	Sept.29, 1936 f/	Cf,O, 40	I	do.	Galvanized casing. Estimated yield, 1,400 gallons a minute. Reported altitude, 3,787 feet.
120	28.7	Sept.30, 1936 f/	Cf,G, 20	I	do.	Galvanized casing. Reported 22.5 feet drawdown pumping 700 gallons a minute for 24 hours. Reported altitude, 3,797 feet.
121	--	--	--	--	--	See log.
122	18.8	May 28, 1937	Cf,G, --	I	--	Reported irrigated 200 acres 3 times in 1936. Estimated yield, 1,000 gallons a minute.
123	19.1	Nov. 10, 1936	Cf,G, 15	I	Gentle slope	Reported water level, 14 feet in 1912. Reported irrigated 100 acres in 1936.
124	4.8	Sept.28, 1936 f/	Cf,G, 18	I	Flat	No casing. Reported 13.7 feet drawdown pumping 300 gallons a minute for 23 minutes.
126	20	g/	T,G, 30	I	--	Reported 8 feet drawdown pumping 1,000 gallons a minute for 4 hours.
127	14	g/	T,G, 20	I	--	Reported 6 feet drawdown pumping 900 gallons a minute for 120 hours.
128	2.1	Oct. 22, 1936	Cf,G, --	I	Flat	No casing. Reported operated 300 hours pumping 750 gallons a minute. Irrigated 38 acres in 1936. Water reported in gray sand.
129	2.7	Mar. 15, 1937 f/	Cf,G, 41	I	Undulating	Estimated yield, 750 gallons a minute. See log.
130	2.9	Sept.29, 1936 f/	Cf,G, 20	I	Flat	100 feet steel casing at top. Reported operated 300 hours pumping 600 gallons a minute.
131	21.9	do.	Cf,G, 25	I	do.	Reported operated 216 hours pumping 900 gallons a minute. Irrigated 60 acres in 1936. See log. Irrigated 70 acres in 1936. See log.
132	23.2	do.	Cf,G, 42	I	Gentle slope	18 feet 13-inch tin casing at top. Estimated yield, 800 gallons a minute. See log.
135	17	Jan. 28, 1937 f/	Cf,G, 15	I	do.	Dug well, 0-14 feet; drilled well, 14-150 feet. See log.
136	15.4	Sept.28, 1936 f/	T,G, 20	I	do.	Water reported from coarse gravel. Estimated yield, 1,050 gallons a minute. See log.
137	3.6	Feb. 12, 1937 f/	Cf,G, 60	I	do.	Steel casing. Estimated yield, 800 gallons a minute. See log.
140	18.7	Sept.28, 1936	C,W & H	D,S	Flat	Galvanized casing.
141	18.7	Sept.28, 1936 f/	Cf,G, 22	I	--	Dug well, 0-15 feet; drilled well, 15-150 feet. 12-inch galvanized casing, 15-80 feet. Reported irrigated 65 acres in 1936. See log.
143	22.5	do.	Cf,G, 20	I	Gentle slope	Dug well, 0-24 feet; drilled well, 24-99 feet. Reported operated 540 hours pumping 600 gallons a minute. Irrigated 95 acres in 1936. See log.
145	14.0	Oct. 16, 1936	C,W	S	Undulating	Galvanized casing. Reported strong supply.
151	20.0	do.	C,W	D,S	do.	Do.
152	43.1	Oct. 16, 1936 f/	C,W	S	do.	Steel casing. Reported 2 feet drawdown pumping 25 minutes.

d/ D, domestic; S, stock; I, irrigation; Ind, industrial; N, none.
e/ No water sample collected for analysis.
f/ See table of water level measurements for additional measurements.
g/ Water level reported.

Records of wells in Bailey County--Continued

No.	Distance from Muleshoe	Section or Labor	Survey, Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/ b/
153	7½ miles southeast	Lab. 5, NW¼SW¼	League 207	Mrs. Mamie Smith	A. M. Busby	1933	59	--	2
e/154	6½ miles southeast	Lab. 7, NE¼NE¼	League 203	A. L. McMurtry	H. J. McCarty	--	120	4½	1.5
e/155	8 miles south	Lab. 25, SE¼SW¼	do.	A. L. Davis	do.	1928	129	5	--
156	6½ miles south	Lab. 9, NE¼SE¼	League 191	F. E. Miller	-- Kimball	1925	86	6	1
157	5 miles south	Lab. 20, SW¼	League 190	Halsell Cattle Co.	--	--	--	6	2.8
158	5 miles southeast	Lab. 13, NE¼	League 204	-- Warren	--	--	78	4½	1.5
e/172	2½ miles southeast	Sec. 58, SE¼	Blk. Y	do.	--	--	--	--	--
201	3½ miles south	Lab. 6, SE¼SW¼	League 190	Halsell Cattle Co.	--	--	77	4½	1.5
205	6 miles south	Lab. 6 NW¼	League 191	W. A. Mathis	--	--	91	--	0.5
207	8 miles south	Lab. 22, SW¼SE¼	League 188	-- Whittington	--	--	142	6	1.5
e/210	8 miles southwest	Lab. 13, NE¼NW¼	League 175	Mrs. Lucille Morley	--	Old	113	4½	0.5
211	5½ miles southwest	Lab. 19, NE¼	League 174	A.A. Kuehn Ranch	--	--	72	4½	1
212	2½ miles southwest	Sec. 36, NW¼SE¼	Blk. S-2	Halsell Cattle Co.	--	193-	42	4½	1
217	3¼ miles west	Sec. 15, NE¼NW¼	Blk. Y	E. K. Warren	--	--	20	6	1
224	7 miles west	Sec. 1, NE¼SE¼	do.	do.	--	Old	23	4½	0.5
e/225	6 miles southwest	Lab. 5, SW¼NW¼	League 174	A.A. Kuehn Ranch	--	--	48	--	2
226	8 miles southwest	Lab. 13, SE¼NW¼	League 173	do.	--	--	53	5	0.5
227	8½ miles southwest	Lab. 1, NW¼SW¼	League 171	Paul Higginbotham	--	1925	82	4½	0.5
228	9½ miles southwest	Lab. 18, NE¼	do.	Hale C.S.L.	--	--	37	6	1
234	11 miles southwest	Sec. 1, S side	Blk. F	V.V.H. Ranch	--	--	25	4½	1
235	10 miles southwest	Lab. 2, NW¼	League 172	A.A. Kuehn Ranch	--	--	91	6	0
236	11½ miles southwest	Sec. 3, SE¼	Blk. O	V.V.H. Ranch	--	--	72	6	3.5
238	10½ miles west	Sec. 2, S side N½	do.	do.	--	--	60	4½	1
240	15 miles west	Sec. 29, NE¼	Blk. A	do.	--	--	43	6	3
241	13½ miles west	Sec. 42, SE¼	do.	do.	--	--	--	4	--

W. L. Broadhurst, Project Superintendent

No.	Water Level: Depth below measuring point (feet)	Water Level: Date of measurement	Pump and power c/	Use of water d/	Topographic situation	Remarks
153	56.7	Oct. 13, 1936	B,E	D,S	Undulating	No casing.
154	78.9	do.	C,W	D,S	do.	Steel casing, top to bottom.
155	--	--	C,W	--	do.	Galvanized casing, top to bottom. Water reported from sandy gravel.
156	64.0	Oct. 19, 1936	C,W	D,S	do.	Steel casing.
157	25.6	Dec. 3, 1936	C,W	S	do.	Reported strong supply.
158	31.1	Oct. 16, 1936	C,W	S	do.	Steel casing. Reported strong supply.
172	--	--	--	--	do.	
201	36.6	Oct. 14, 1936	C,W	S	do.	Steel casing.
205	53.8	Oct. 19, 1936	C,W	D,S	do.	Wood curb.
207	95.0	do.	C,W	D,S	do.	Steel casing. Reported strong supply.
210	88.1	do.	C,W	S	do.	Galvanized casing. Reported strong supply.
211	52.4	Oct. 15, 1936	C,W	S	Flat	Steel casing.
212	21.1	do.	C,W	S	do.	Do.
217	11.5	Sept.26, 1936	C,W	S	Gentle slope	Steel casing. Estimated yield, 15-20 gallons a minute.
224	12.0	Sept.25, 1936	C,W	S	do.	Steel casing. Estimated yield, 10-15 gallons a minute.
225	40.7	Oct. 15, 1936	Cf,C, --	I	--	Reported not used in several years.
226	42.7	do.	C,W	S	Flat	Galvanized casing. Reported strong supply.
227	74.3	do.	C,W	S	Undulating	Galvanized casing. Reported weak supply.
228	17.9	Oct. 20, 1936	C,W & H	D,S	Flat	Wrought iron casing.
234	19.0	Dec. 10, 1936	C,W	S	Undulating	Steel casing. Reported strong supply.
235	55.1	Oct. 15, 1936	C,W	S	do.	Steel casing. Reported 21 feet drawdown pumping 10 gallons a minute for 96 hours.
236	39.5	Dec. 10, 1936	C,W	D	do.	Steel casing. Reported strong supply.
238	34.4	Oct. 9, 1936	C,W	D,S	do.	Steel casing.
240	35.8	Dec. 10, 1936	C,W	S	do.	Steel casing. Reported strong supply.
241	--	--	C,W	S	do.	Do.

Records of wells in Bailey County--Continued

No.	Distance from Bailey-boro	Section or Labor	Survey, Block or League	Owner	Driller	Date com-pleted	Depth of well (ft.)	Diam-eter of well (in.)	Height of measuring point above ground (ft.) a/ b/
301	11⅓ miles northwest	Sec. 87 SE¼	Blk. A	V.V.N. Ranch	--	Old	91	6	0.2
302	11½ miles west	Sec. 139, NW¼NW¼	do.	do.	G. E. Sours	1936	240	--	0
e/303	7½ miles northwest	Sec. 117, cen. S. side NE¼	do.	W. W. Fugua	Humble Oil & Ref. Co.	1929	4,100	6-- /8	--
304	3⅓ miles west	Sec. 146, NE¼SE¼	do.	V.V.N. Ranch	--	--	91	4	1
306	1¾ miles northwest	Lab. 18, SW¼SW¼	League 169	W. H. Bell Estate	-- Mc-Carty	1927	58	5⅓	1.5
310	3¾ miles northwest	Lab. 25, SE¼SE¼	League 170	V. E. Hays	--	--	109	4⅓	2.5
e/311	3½ miles north	Lab. 21, NE¼	do.	do.	--	--	82	--	0.5
312	2½ miles northwest	Lab. 9, NW¼	League 169	H. E. Hussen	A. B. Hayes	1934	107	6	1.5
313	do.	do.	do.	do.	do.	1933	650	5-3/16	1.3
314	1½ miles north	Lab. 11, NE¼SE¼	do.	Hale C.S.L.	--	--	65	--	0.4
317	½ mile northeast	Lab. 24, NE¼	League 177	E. W. Miller	--	--	13	--	0
321	3⅓ miles northeast	Lab. 1, NE¼NE¼	do.	G. W. Turpin	--	--	86	--	0.4
322	5 miles east	Lab. 16, SW¼	League 193	H. C. Harvey	-- Nor-dyke	1934	104	--	0.8
323	7 miles east	Lab. 12, NE¼NW¼	do.	J. E. Hall	-- Mc-Carty	--	130	--	--
324	6 miles northeast	Lab. 25, SW¼SW¼	League 192	H. P. Younger	--	Old	118	4⅓	1
e/326	7½ miles northeast	Lab. 5, NE¼NW¼	do.	J. C. Terrell	-- Kim-ball	1927	--	--	--
329	8½ miles northeast	Lab. 2, cen.	do.	A. L. Davis	F. L. Seaulon	1915	141	6	2
e/330	7½ miles northeast	Lab. 13, SE¼SE¼	do.	do.	do.	1916	153	4⅓	--
331	8½ miles northeast	Lab. 16, SE¼	League 202	Rochester Hataway	--	--	136	5	1.5
333	10½ miles northeast	Lab. 2, NW¼NW¼	do.	R. V. Boren	H. J. Mc-Carty	1929	137	4½	0.5
334	13 miles northeast	Lab. 3, NE¼NE¼	League 203	Claude Gage	Marvin White	1933	160	5	0.5
e/335	12½ miles northeast	Lab. 8, NE¼	do.	Mrs. -- Massie	-- Mc-Carty	--	123	--	0.2
336	10⅓ miles east	Lab. 8, NW¼	League 209	-- Ralls	--	--	149	--	0.4
338	10 miles east	Lab. 10, SE¼	League 201	Jeff G. Berry	--	--	203	--	--
341	8½ miles east	Lab. 7, NE¼	League 200	E. E. Harper	--	--	125	4	3.2
342	11 miles east	Lab. 13, NW¼	League 210	J. R. Wilson	J. N. White	1936	177	5-5/8	1.5

W. L. Broadhurst, Project Superintendent

No.	Water Level: Depth below measuring point (feet)	Water Level: Date of measurement	Pump and power c/	Use of water d/	Topographic situation	Remarks
301	44.4	Oct. 21, 1936	C,W	S	Flat	Steel casing. Reported strong supply.
302	107.4	Nov. 7, 1936	None	N	--	Reported slight seep, 15-20 gallons in 12 hours at 90 feet.
303	--	--	--	--	--	Oil test. See log. Reported altitude, 3,920 feet.
304	67	Nov. 20, 1936	C,W	S	Gentle slope	Wrought iron casing. Reported strong supply.
308	49.4	do.	C,W	D,S	do.	Galvanized casing, to to bottom. Strong supply reported from sand.
310	94.5	do.	C,W	D,S	do.	Steel casing. Reported 9.5 feet drawdown pumping ½ gallon a minute for 10 minutes.
311	77.8	Nov. 19, 1936	C,W	N	Flat	Reported highly mineralized. Reported weak supply.
312	67.0	Nov. 20, 1936	C,W	D,S	Gentle slope	Steel casing, top to bottom. Strong supply reported from coarse sand.
313	Flows	do.	None	S	do.	619 feet steel casing at top. Reported estimated flow, 1 pint a minute. Water reported
314	58.8	do.	C,H	D,S	do.	Concrete curb. from sand.
317	9.9	Jan. 6, 1937	B,H	D,S	Hillside	Dug well. Wood curb; no casing. Strong supply reported from sand.
321	68.2	Oct. 19, 1936	C,W	D,S	Gentle slope	Concrete curb.
322	80.0	Feb. 22, 1937 f/	C,W	D,S	do.	No casing. Strong supply reported from coarse sand.
323	124	g/	C,W	D,S	Flat	Casing, top to bottom. Reported strong supply. Reported irrigates small garden in summer.
324	107.7	Oct. 14, 1936	C,W	D,S	Hillside	Reported partially sanded up.
326	--	--	--	D,S	Undulating	Reported strong supply. Reported irrigates small garden in summer.
329	116.6	Oct. 13, 1936	C,W	D,S	do.	Steel casing, top to bottom. Strong supply reported from sandstone. See log.
330	--	--	C,W	D,S	do.	Galvanized casing, top to bottom. See log.
331	127.4	Dec. 3, 1936	C,W	D,S	Gentle slope	Galvanized casing. Reported strong supply.
333	107.5	Oct. 13, 1936	C,W	D,S	Undulating	125 feet steel casing at top. Strong supply reported from rock.
334	--	--	C,S	Ind	--	S, steam pump. Steel casing, top to bottom. Supplies cotton gin.
335	103.7	Nov. 11, 1936	C,W	S	Gentle slope	Reported slightly mineralized.
336	129	Nov. 6, 1936	C,W	D,S	do.	Located near lake.
338	--	--	C,W	D,S	do.	Reported weak supply.
341	102.6	Jan. 6, 1937	B,H	D	Hillside	Tin casing.
342	151.7	do.	C,W	D,S	Flat	173 feet steel casing at top. Reported 4 feet drawdown pumping 7-10 gallons a minute for 3 hours.

Records of wells in Bailey County--Continued

No.	Distance from Bailey-boro	Section or Labor	Survey, Block or League	Owner	Driller	Date com-pleted	Depth of well (ft.)	Diam-eter of well (in.)	Height of measuring point above ground (ft.) a/ b/
343	13 miles east	Lab. 2, NW¼	League 212	Judge J. M. Gay	--	Old	280	--	0
344	10½ miles east	Lab. 6, SW¼	League 211	W. D. Black	-- Agit	--	230	4½	--
345	3½ miles southeast	Lab. 16, NE¼NE¼	League 199	Paul Bros.	--	--	103	--	0.8
346	9½ miles southeast	Lab. 6, SE¼	League 198	C. Robison	--	--	152	--	0.9
347	8 miles southeast	Lab. 23, N. cen.	League 195	Paul Bros.	--	--	69	6	0.5
e/355	5 miles southeast	Lab. 4, NE¼NW¼	League 184	H. L. Wilson	--	--	171	4	0.4
e/357	7 miles east	Lab. 2, NW cor.	League 195	Paul Bros.	--	Old	17	6	0
358	4¾ miles east	E. side	Survey 9, League 185	V. C. Bass	Johnny Angle	1934	154	5	0.6
359	3 miles east	SE¼SE¼	Survey 1, League 185	Loyd Davenport	do.	1935	80	6	0.7
360	2¼ miles east	Lab. 10, SW¼SE¼	League 178	G. L. Blackshear	--	--	29	--	0.6
e/362	1 mile south	Lab. 15, SW¼NW¼	do.	Federal Land Bank	--	Old	--	--	--
367	1½ miles south	Lab. 17, cen.	do.	--	--	--	Spring	--	--
369	1¾ miles southeast	Lab. 18, NE¼NE¼	do.	J. P. Upton	--	1935	25	--	0.6
370	4½ miles southeast	Lab. 20, SE¼	League 179	B. J. Robins	Weeks and Jenkins	1927	30	4½	1
e/372	5 miles southeast	SE¼	Survey 12, League 184	U. S. Government	-- Nor-dyke	--	39	--	1.4
373	do.	S½	do.	do.	--	--	Spring	--	--
376	6½ miles southeast	Lab. 26, SE¼SW¼	League 183	I. C. Enochs	--	Old	--	6	--
377	6 miles south	Lab. 22, SE¼SE¼	League 180	do.	--	--	76	--	1
378	4½ miles south	Lab. 25, SW¼SW¼	League 179	J. T. McCarty Estate	S. E. Hall	1928	160	6	--
e/379	5½ miles southwest	Lab. 5, SW¼	League 166	L. A. Harless	-- Nor-dyke	--	173	--	0.4
380	7 miles southwest	Sec. 91, SW¼NW¼	Blk. B	G. F. Shaver	--	1925	89	4½	0.5
381	6 miles southwest	Sec. 64, SE¼NE¼	do.	L. E. Smith	--	1934	142	4½	0
382	5 miles southwest	Sec. 65, NE¼	do.	John L. Sears	-- Fer-guson	1936	59	--	0.5
386	5½ miles west	Sec. 24, SE¼NE¼	do.	E. X. Erickson	James Cun-ningham	1930	111	4	0.3
387	8 miles west	Sec. 48, NE¼SE¼	do.	D. E. Glousey	Frances Graves	1925	206	6	1
388	8 miles southwest	Sec. 62, NW¼NW¼	do.	F. R. Kopplin	James Cun-ningham	1930	192	--	--

W. L. Broadhurst, Project Superintendent

No.	Water Level: Depth below measuring point (feet)	Water Level: Date of measurement	Pump and power c/	Use of water d/	Topographic situation	Remarks
343	236.5	Dec. 9, 1936	C,W	D,S	Undulating	Reported strong supply.
344	60	g/	C,W	D,S	--	Water reported from sand.
345	88.6	Dec. 9, 1936	C,W	D,S	--	Reported strong supply.
346	136.8	do.	C,W	D,S	Gentle slope	Reported some casing at bottom; none at top.
347	48.9	Nov. 24, 1936	C,W	S	Hillside	Steel casing. Reported strong supply.
355	97.5	do.	C,W	S	do.	Steel casing.
357	11.1	do.	C,W	S	Gentle slope	Located near dry lake.
358	87.5	Dec. 2, 1936	C,W	D,S	Undulating	Galvanized casing. Reported weak supply.
359	53.3	do.	C,W	D,S	--	3 feet galvanized casing at top. Reported strong supply.
360	20.3	Jan 6, 1937	C,W	D,S	Draw	See log.
362	--	--	C,W	D,S	Gentle slope	Do.
367	Flows	Nov. 3, 1936	--	N	Draw	Estimated flow, $\frac{1}{8}$ gallon a minute from seep in sandy clay and alkali rock.
369	16.9	Dec. 2, 1936	C,W	S	Flat	No casing. Water reported from fine sand.
370	27.2	Nov. 24, 1936	C,W	D,S	Hillside	Steel casing. Reported weak supply.
372	23.6	Jan. 6, 1937	C,W	D,S	Gentle slope	No casing. Reported strong supply.
373	Flows	Nov. 24, 1936	None	D,S	Draw	Estimated flow, $\frac{1}{8}$ gallon a minute from seeps in gravel and sand.
376	Flows	Nov. 19, 1936	None	S	do.	Estimated flow, $\frac{1}{4}$-1 pint a minute. Located near edge of lake.
377	73.7	do.	C,W	S	Hilltop	Reported strong supply.
378	100	g/	C,W	D,S	Gentle slope	Galvanized casing, top to bottom. Strong supply reported from fine, white sand. See log.
379	135	Jan. 5, 1937	C,W	D,S	Flat	Reported weak supply. See log.
380	81.2	Oct. 28, 1936	C,W	D,S	Gentle slope	Reported strong supply.
381	121.8	do.	C,W	D,S	Flat	Steel casing. Pumping level, 140 feet. Reported well partially sanded up.
382	38.8	do.	C,W	S	Gentle slope	No casing. Reported weak supply.
386	103.4	Oct. 29, 1936	C,W	D,S	do.	Galvanized casing, top to bottom. Reported strong supply.
387	194.0	Oct. 28, 1936	C,W	D,S	do.	20 feet steel casing at top; 20 feet perforated casing at bottom. Reported weak supply.
388	185	g/	C,W	D,S	do.	Reported strong supply.

Records of wells in Bailey County--Continued

No.	Distance from Bailey-boro	Section or Labor	Survey, Block or League	Owner	Driller	Date com-pleted	Depth of well (ft.)	Diam-eter of well (in.)	Height of measuring point above ground (ft.) a/ b/
389	9½ miles southwest	Sec. 87, SE¼NW¼	Blk. B	F. L. Stegal	--	--	140	4⅝	1
e/390	10 miles southwest	Sec. 73, SE½SE¼	do.	C. C. Lancaster	Pete Krofft	1930	177	4½	--
391	8½ miles west	Sec. 35, SE¼NW¼	do.	Temple Trust Co.	--	--	140	--	4
393	7⅓ miles west	Sec. 22, SE¼NE¼	do.	S. P. Phipps	--	--	158	4½	3
e/394	9½ miles west	Sec. 21, SW¼NW¼	do.	Temple Trust Co.	Cecil Stephens	1930	--	--	--
395	do.	Sec. 20, SE¼NE¼	do.	C. W. Williams	John Angle	1930	256	4⅓	--
396	11½ miles west	Sec. 58, NW¼NW¼	do.	E. K. Erickson	H. L. Carpenter	1931	102	--	--
397	12 miles southwest	Sec. 84, SW¼NE¼	do.	H. H. Gaddy	Claude Furgeson	1933	176	--	1
398	11 miles southwest	Sec. 21, SE¼NE¼	Blk. C	McCelvey Loan & Investment Co.	Zira Nordyke	1930	146	--	0.5
399	13½ miles southwest	Sec. 32, NE¼NE¼	do.	W. P. Goodrum	do.	1929	142	--	0.8
400	15 miles southwest	Sec. 45, SE¼SW¼	do.	McCelvey Loan & Investment Co.	--	--	93	4⅝	1.5
401	16½ miles southwest	Lab. 23, NW¼	League 163	do.	-- Nor-dyke	1934	86	4-5/8	1
405	14 miles southwest	Lab. 12, NW¼NW¼	League 161	do.	--	1914	125	--	0.7
406	do.	Lab. 17, SE¼SW¼	League 143	Frank Daricek	--	--	95	--	0.4
408	10½ miles southwest	Sec. 37, SW¼SE¼	Blk. C	E. Schmocker	--	1936	107	--	0.3
409	10 miles southwest	Sec. 24, NW¼SW¼	do.	W. A. Tisdale	--	1901	95	6	1.5
410	8 miles southwest	Sec. 10, W. side S½	Blk. F	J. D. Laney	--	1933	110	--	0.5
411	10 miles south	Sec. 12, SE¼	do.	J. C. Mitchell	--	Old	72	5	0.3
412	12½ miles south	Lab. 15, NE½SE¼	League 142	A. E. Robinson	-- Love	1925	109	--	1.5
413	13 miles south	Lab. 25, SW cor.	League 124	J. Y. Roberts	--	1923	102	5	0.5
414	do.	Lab. 25, SE¼SE¼	League 121	Woolsey and Davis	Carl Williams	1936	103	--	1.2
415	11 miles south	Lab. 17, SE¼	League 123	Maple Wilson	--	--	107	--	0.5
418	7⅓ miles south	Lab. 5, SE¼SE¼	League 135	Watson School	Johnnie Angle	1926	66	--	0.4
419	8½ miles south	Lab. 84, cen.	League 181	I. C. Enochs	--	--	61	--	1.2
420	7½ miles south	Lab. 55, NW¼	do.	do.	--	--	99	4	1
421	8½ miles south	Lab. 74, NE¼	League 182	Mrs. J. T. Roy	--	1925	109	4	0.9

W. L. Broadhurst, Project Superintendent

No.	Water Level: Depth below measuring point (feet)	Water Level: Date of measurement	Pump and power c/	Use of water d/	Topographic situation	Remarks
389	138.4	Oct. 30, 1936	C,W	D,S	Gentle slope	6 feet steel casing at bottom. Reported weak supply.
390	--	--	C,W	D,S	do.	20 feet steel casing at bottom. Water reported from quartz sand and gravel. Reported well caved in.
391	133	Oct. 30, 1936	C,--	D,S	Flat	Steel curb; no casing. Reported weak supply. Located near dry lake.
393	135.9	Oct. 29, 1936	C,W	D,S	do.	Steel casing. Located 150 feet from dry lake.
394	--	--	None	N	--	Reported well caved in.
395	245	g/	C,W	D,S	Gentle slope	Steel casing, top to bottom. Strong supply reported from blue shale and sand.
396	97	g/	C,W	D,S	do.	20 feet steel casing at top. Located near dry lake.
397	166.7	Oct. 30, 1936	C,W	D,S	do.	Strong supply reported from coarse sand and quartz gravel.
398	138.9	Nov. 4, 1936	C,W	S	do.	No casing.
399	132.5	do.	C,W	D,S	do.	Tin curb; no casing. Weak supply reported from yellow sand and gravel. Located near dry lake.
400	88.5	do.	C,W	D,S	do.	Steel casing. Located near dry lake.
401	72.3	do.	C,W	S	Flat	82 foot steel casing at top. Water reported from quicksand.
405	112.8	do.	C,W& G,3	D,S	Gentle slope	No casing. Estimated yield, 25-30 gallons a minute.
406	87.1	Nov. 5, 1936	C,W	D,S	do.	No casing. Reported irrigates small garden in summer.
408	95.7	Nov. 4, 1936	C,W	D,S	do.	Located near dry lake.
409	--	do.	C,W	D,S	Flat	Steel casing. Reported strong supply.
410	93.6	Nov. 5, 1936	C,W	D,S	do.	No casing. Reported weak supply.
411	68.6	do.	C,W	D,S	do.	Tin casing. Reported strong supply. Located near dry lake.
412	97.9	do.	C,W	D,S	Gentle slope	Strong supply reported from quartz sand and gravel.
413	99.1	do.	C,W	D,S	do.	Tin casing, top to bottom. Reported strong supply.
414	87.2	Dec. 8, 1936	C,W	D,S	do.	No casing. Water reported from fine sand and gravel.
415	98.4	Nov. 5, 1936	C,W	D,S	do.	Reported irrigates small garden in summer.
418	62.8	Nov. 19, 1936	C,W	D	do.	Reported strong supply.
419	45.2	Dec. 11, 1936	C,W	D,S	Flat	Do.
420	14	do.	C,W	S	do.	Steel casing. Reported strong supply.
421	88.9	do.	C,W	D,S	do.	11 feet tin casing at top. Reported irrigates small garden in summer.

Records of wells in Bailey County--Continued

No.	Distance from Bailey-boro	Section or Labor	Survey, Block or League	Owner	Driller	Date com-pleted	Depth of well (ft.)	Diam-eter of well (in.)	Height of measuring point above ground (ft.) a/ b/
e/422	10 miles south	Lab. 15, SE¼NE¼	League 122	H. V. McCorkle	-- Nor-dyke	1929	257	4	4
e/423	12⅔ miles south	Lab. 10, NE¼SE¼	do.	G. P. Howell	J. P. Autry	1936	180	15	--
424	11½ miles south	Lab. 3, NE¼	do.	C.R. Wool-sey, et al.	--	1936	133	--	0.6
e/425	10⅔ miles south	Lab. 5, SE¼	do.	W. Davis	-- Nor-dyke	--	211	--	0.9
e/426	10 miles south	Lab. 1, SE cor.	League 190	M. C. Sat-terwhite	do.	--	192	--	0.8
427	11 miles south	Sec. 25, SE¼S½	League 108	I. C. Enochs	-- Nor-dyke	--	109	--	0.4
429	13⅔ miles south	Sec. 15, SW¼SW¼	League 107	H. L. Messamore	Joe Weeks	1934	88	--	1.2
e/430	13 miles south	Sec. 15, SW¼NW¼	do.	K. C. Moser	-- Whit-field	1937	--	--	0
431	12⅔ miles south	Sec. 15, W. side NW¼	do.	do.	-- Nor-dyke	1934	91	--	0.8
e/432	12 miles south	Sec. 23, NE¼	do.	-- Harris	--	Old	91	4	0.6
433	11 miles southeast	Sec. 13, NW¼NW¼	League 108	I. C. Enochs	-- Agate	1925	78	4	0.8
435	9 miles southeast	Lab. 69, SE¼	League 182	do.	-- Nor-dyke	1935	117	10	1.2
436	9⅔ miles southeast	Lab. 6, SW¼	League 197	W. B. Newsome	--	--	--	4	--
437	do.	Lab. 3, cen. N. side	do.	I. S. Newton	-- Nor-dyke	1930	104	5	0.6
439	13⅔ miles southeast	Sec. 3, NW¼NW¼	League 107	F. C. Snitker	do.	1925	105	--	0.8
442	12⅔ miles southeast	Lab. 25, SE¼SE¼	League 112	Jim. Claunch	do.	--	131	--	1
443	16 miles southeast	Lab. 9, NW¼NE¼	League 109	J. E. Hallford	do.	1935	73	14	0.4
444	13⅔ miles southeast	Lab. 22, SW¼SE¼	League 112	Newsome Land Co.	--	1926	51	4	0.8
445	11½ miles southeast	Lab. 3, NE¼NE¼	do.	C. R. Brown	-- Nor-dyke	1926	108	--	0.3
446	12 miles southeast	Lab. 6, SW¼NW¼	League 212	S. H. Clevenger	do.	1929	84	--	1
447	14⅔ miles southeast	Lab. 12, NE¼SE¼	League 111	Mrs. E. Herring	do.	1930	89	--	1.2
448	do.	Lab. 6, NW¼NW¼	League 679	J. B. Fea-therstone	--	--	195	5	0.1
449	17 miles southeast	Lab. 23, SW¼SE¼	do.	Mulen Clauson	--	1936	76	--	0.6

a/ Measuring point was usually top of casing, top of pump base, or top of well curb.
b/ Measuring point was above ground unless indicated by minus (-) sign.
c/ C, cylinder; T, turbine; B, bucket; Cf, centrifugal; W, windmill; Ng, natural gas; H, hand; G, gasoline; E, electric; O, diesel or oil; number indicates horsepower.

W. L. Broadhurst, Project Superintendent

No.	Water Level: Depth below measuring point (feet)	Water Level: Date of measurement	Pump and power c/	Use of water d/	Topographic situation	Remarks
422	165.3	Jan. 5, 1937	C,W	D,S	Flat	Steel casing. Reported weak supply. See log.
423	96.5	Dec. 8, 1936	--	I	do.	Steel casing, 69-169 feet. See log.
424	120.4	do.	C,W	D,S	Gentle slope	No casing.
425	118.4	Jan. 5, 1937	C,W	D,S	--	No casing. Reported weak supply. See log.
426	109.8	do.	C,W	D,S	Gentle slope	Reported some casing in bottom. Reported altitude, 3,837 feet. See log.
427	103.5	do.	C,W	D	do.	No casing. Reported altitude, 3,817 feet. Reported weak supply. See log.
429	81.4	Dec. 7, 1936	C,W	D,S	Flat	No casing. Reported irrigates small garden in summer. Water reported from quicksand.
430	82	Jan. 12, 1937	T,G, --	I	Gentle slope	Reported weak supply. See log.
431	80.4	Dec. 8, 1936	C,W	D,S	do.	Reported strong supply. Reported irrigates small garden in summer.
432	76.8	do.	C,W	D,S	do.	Galvanized casing. See log.
433	67.0	Dec. 7, 1936	C,W	D,S	Undulating	25 feet galvanized casing at top. Reported strong supply.
435	26.4	Dec. 11, 1936	None	N	do.	Steel casing.
436	--	--	C,W	S	Gentle slope	Tin casing. Reported strong supply.
437	87.1	Dec. 4, 1936	C,W	D,S	Flat	Galvanized casing, top to bottom. Reported weak supply.
439	89.2	Dec. 7, 1936	C,W	D,S	do.	Reported irrigates small garden in summer. Reported strong supply.
442	105.0	do.	C,W	D,S	do.	Do.
443	41.2	do.	C,G, 12	I	Gentle slope	Reported operated 90 hours pumping 100 gallons a minute. Irrigated 7 acres in 1936. Water
444	35.3	do.	C,H	D,S	do.	Tin casing. Reported weak supply. reported from white sand and gravel.
445	93.8	Dec. 4, 1936	C,W	D,S	do.	No casing. Reported strong supply.
446	73.8	Dec. 9, 1936	C,W	D,S	Flat	No casing. Reported weak supply.
447	70.3	Dec. 7, 1936	C,W	D,S	Gentle slope	Reported irrigates small garden in summer. Reported strong supply.
448	130.8	do.	C,W	S	Flat	Wrought iron casing. Reported strong supply. Located near dry lake.
449	59.9	do.	C,W	D,S	Undulating	No casing. Water reported from coarse, white sand.

d/ D, domestic; S, stock; I, irrigation; Ind, industrial; N, none.
e/ No water sample collected for analysis.
f/ See table of water level measurements for additional measurements.
g/ Water level reported.

Water level measurements in observation wells in Bailey County, Texas
(See table of well records for further information on these wells.)
(Source of information indicated by footnotes.)

Date	Depth to water (feet)
Well 4	
Mrs. Annie Myer farm, 12⅓ miles northwest of Muleshoe. Measuring point, top of iron disk, 1 foot above ground.	
1936 - Oct. 8 -	74.33 c/
1937 - Jan. 27 -	73.4 c/
Well 9	
Jim Ellis farm, 10⅓ miles west of Muleshoe. Measuring point, hole on south side of pump base, level with ground.	
1936 - Oct. 9 -	40.42 c/
Oct. 20 -	40.17 d/
1937 - Jan. 27 -	39.92 c/
Well 11	
Tom Smith farm, 10⅓ miles west of Muleshoe. Measuring point, top of 2x12 board across pit, level with ground. Nearest pumping well is NW¼SW¼ sec. 11, blk. X, about 4,000 feet east.	
1936 - Oct. 9 -	26.39 c/
Oct. 20 -	23.62 d/
Well 17	
Mrs. Nellie M. Dean farm, 9½ miles west of Muleshoe. Measuring point, top of concrete curb, 0.5 foot above ground. Nearest pumping well is NE¼SW¼ sec. 22, blk. Z, about 4,000 feet west.	
1936 - Oct. 9 -	24.08 c/
Well 17 -- Continued	
1936 - Oct. 20 -	24.25 d/
Well 25	
C. A. Wagner farm, 8 miles west of Muleshoe. Measuring point, bottom edge of northeast side of pump base, 0.5 foot above ground. Nearest pumping well is SW¼SE¼ sec. 6, blk. Z, about 800 feet south.	
1936 - Oct. 20 -	23.34 c/
1937 - May 28 -	25.32 c/
Well 31	
J. H. Farley farm, 6⅔ miles west of Muleshoe. Measuring point, top of rock curb, level with ground. Nearest pumping well is NE¼NE¼ sec. 7, blk. X, about 1,500 feet west.	
1936 - Sept.25 -	17.05 c/
Oct. 20 -	16.07 d/
Well 33	
Mrs. J. W. Gregory farm, 7 miles northwest of Muleshoe. Measuring point, bottom edge of opening in pump base, 1.5 feet above ground.	
1936 - Oct. 20 -	26.17 c/
1937 - May 28 -	30.4 c/
Well 36	
J. H. Murrah farm, 4¾ miles northwest of Muleshoe. Measuring point, level with ground. Nearest pumping well is NW¼NW¼ sec. 23, blk. X, about 1,500 feet west.	
1936 - Sept.24 -	20.9 c/
Oct. 20 -	19.55 d/
Well 38	
Charles Berkely farm, 5 miles west of Muleshoe. Measuring point, inside bottom edge of 2x6 board across pit, level with ground. Nearest pumping well is NW¼ NW¼ sec. 23, blk X, about 3,000 feet northeast.	
1936 - Nov. 11 -	15.53 c/
1937 - May 28 -	15.3 c/
Well 49	
Jess Mitchell farm, 3¾ miles northwest of Muleshoe. Measuring point, top of casing, at ground level. Nearest pumping well is NW¼ SW¼ sec. 22, blk. Y, about 400 feet east.	
1934 - Nov. 13 -	23.99 b/
1936 - May 19 -	26.24 d/
Oct. 8 -	25.1 c/
1937 - Jan. 27 -	24.79 c/
Mar. 14 -	24.84 d/
Well 53	
W. B. Gwynn, Sr., farm, 3¼ miles northwest of Muleshoe. Measuring point, top of 2x12 board at north side of pit, level with ground. Nearest pumping well is center NE¼ sec. 21, blk. Y, about 3,000 feet south.	

a/ Baker, C. L., Geology and Underground Waters of the Northern Llano Estacado: Texas Univ. Bull. 57, 1915.
b/ Burleigh, H. P., Unpublished data in files of U. S. Geological Survey.
c/ Broadhurst, W. L., Hinson, H. E. and Baldwin, B. F., Bailey County, W. P. A. well inventory.
d/ Stanley, W. P. and Scott, W. W., Data in files of Water Utilization Unit, Resettlement Administration.

Water level measurements in observation wells in Bailey County -- Continued
(Source of information indicated by footnotes.)

Date	Depth to water (feet)
Well 53 -- Continued	
1936 - May 26	26.32 d/
Nov. 9	26.5 c/
1937 - May 28	26.35 c/
Well 56	
R. L. Hobbs farm, 5⅓ miles north of Muleshoe. Measuring point, south side of well pipe, level with ground.	
1936 - May 14	60.4 d/
Sept.24	60.61 c/
Well 62	
Levi Churchill farm, 2¾ miles north of Muleshoe. Measuring point, south side of top of casing, 0.3 foot below ground. Nearest pumping well is northwest corner SW¼ sec. 42, blk. Y, about 2,500 feet west.	
1936 - May 20	29.56 d/
Oct. 12	26.36 c/
1937 - Jan. 29	23.65 c/
Well 63	
Sam Gorrell farm, 2¾ miles northwest of Muleshoe. Measuring point, bottom of pump base, 0.5 foot above ground. Nearest pumping well is NW¼NW¼ sec. 41, blk. Y, about 2,400 feet south.	
1934 - Nov. 13	26.99 b/
1936 - May 9	31.75 d/
Oct. 12	29.42 c/
1937 - Mar. 14	26.4 d/
Well 66	
J. L. Wallace farm, 2¼ miles north of Muleshoe. Measuring point, top of casing, level with ground. Nearest pumping well is NE¼NE¼ sec. 41, blk. Y, about 1,300 feet east.	
1936 - May 28	23.24 d/
June 20	22.9 d/
July 20	22.98 d/
Sept.24	23.64 b/
Sept.24	21.95 c/
Well 67	
I. W. Harden farm, 2½ miles north of Muleshoe. Measuring point, north side of top of pump base, level with ground. Nearest pumping well is northwest corner NE¼ sec. 41, blk. Y, about 1,300 feet west.	
1936 - May 28	21.16 d/
June 20	20.35 d/
July 20	20.57 d/
Sept.23	22. d/
Sept.23	22.5 c/
Well 69	
E. R. Hart farm, 2½ miles north of Muleshoe. Measuring point, west side of top of 2x6 wood curb, level with ground. Nearest pumping well is NE¼ NE¼ sec. 41, blk Y, about 1,700 feet northeast.	
1936 - May 26	16.84 d/
June 20	16.25 d/
July 24	16.97 d/
Well 69 -- Continued	
1936 - Oct. 19	16.36 d/
Oct. 27	16.2 b/
Oct. 27	16.5 c/
Well 70	
Allen McReynolds farm, 1¼ miles north of Muleshoe. Measuring point, top of north side of concrete curb, 1 foot above ground. Nearest pumping well is southwest corner NW¼ sec. 53, blk. Y, about 1,600 feet southwest.	
1936 - Nov. 10	15.17 c/
1937 - May 28	17.13 c/
Well 74	
Walter Witt farm, 1¼ miles northwest of Muleshoe. Measuring point, top of lower flange on L-union of suction pipe, 10.1 feet below ground. Nearest pumping well is NE¼NE¼ sec. 40, blk. Y, about 700 feet east.	
1936 - May 28	6.29 d/
Nov. 18	6.14 c/
Well 79	
D. E. Cox farm, 1 mile north of Muleshoe. Measuring point, hole in south side of flange on pump base, 0.5 foot above ground. Nearest pumping well is SW¼ NE¼ sec. 40, blk. Y, about 1,000 foot west.	
1936 - May 28	25.12 d/

a/ Baker, C. L., Geology and Underground Waters of the Northern Llano Estacado: Texas Univ. Bull. 57, 1915.
b/ Burleigh, H. P., Unpublished data in files of U. S. Geological Survey.
c/ Broadhurst, W. L., Hinson, K. H. and Baldwin, B. F., Bailey County W. P. A. well inventory.
d/ Stanley, W. P. and Scott, W. W., Data in files of Water Utilization Unit, Resettlement Administration.

Water level measurements in observation wells in Bailey County -- Continued
(Source of information indicated by footnotes.)

Date	Depth to water (feet)
Well 79 -- Continued	
1936 - Oct. 16	24.17 d/
Oct. 27	24.09 c/
1937 - Jan. 27	24.01 c/
Well 92	
L. H. McConnell farm, 3¼ miles north of Muleshoe. Measuring point, north side of top of wood cover, level with ground. Nearest pumping well is northwest corner NW¼ sec. 62, blk. Y, about 1,100 feet east.	
1936 - May 26	24.08 d/
June 20	22.48 d/
July 20	22.34 d/
Oct. 7	23.25 c/
Well 95	
E. R. Hart farm, 4 miles northeast of Muleshoe. Measuring point, north side of top of wood cover, 1.5 feet above ground. Nearest pumping well is northwest corner NE¼ sec. 71, blk. Y, about 1,300 feet east.	
1936 - May 26	24.2 d/
June 20	24.69 d/
July 20	24.84 d/
Oct. 7	24.7 c/
Well 108	
T. L. Mounce farm, 7 miles northeast of Muleshoe. Measuring point, top of opening in pump housing, 1.8 feet above ground. Nearest pumping well is SW¼ NE¼ sec. 31, blk. W, about 450 feet west.	
1936 - May 14	36.06 d/
Oct. 27	37.24 d/
1937 - Jan. 18	36.47 c/
Well 114	
A. J. Watson farm, 6 miles northeast of Muleshoe. Measuring point, top of east side of well pit frame, 1 foot above ground. Nearest pumping well is SW¼SE¼ sec. 32, blk. W, about 600 feet south.	
1936 - Jan. 10	26.6 c/
Oct. 7	28.7 c/
Well 116	
C. B. Huggins farm, 6 miles northeast of Muleshoe. Measuring point, top of platform holding pump which is 3 feet above ground. Nearest pumping well is NW¼ SE¼ sec. 32, blk. W, about 700 feet east.	
1936 - Jan. 10	22 c/
May 9	22.35 d/
Oct. 7	22.67 c/
Well 117	
H. L. Dempster farm, 6 miles northeast of Muleshoe. Measuring point, top of 2x6 wood block under discharge pipe, 0.8 foot above ground. Nearest pumping well is NE¼SW¼ sec. 32, blk. W, about 1,400 feet southeast.	
1934 - Nov. 14	34.21 b/
1936 - Jan. 16	35.3 c/
May 9	34.6 d/
Sept. 29	35.46 c/
1937 - Jan. 28	34.37 c/
Mar. 14	35.81 d/
May 28	35.71 c/
Well 120	
I. F. Wilman farm, 5 miles northeast of Muleshoe. Measuring point, bottom of board across hole, level with ground. Nearest pumping well is northwest corner NW¼ sec. 32, blk. Y, about 1,200 feet south.	
1934 - Nov. 14	25.81 b/
1936 - May 17	27.64 d/
Sept. 30	28.67 c/
1937 - Jan. 28	28.43 c/
Mar. 14	27.26 d/
Well 124	
S. D. Beller farm, 4 miles northeast of Muleshoe. Measuring point, top of flange at base of pump, 12 feet below ground. Nearest pumping well is northeast corner sec. 81, blk Y, about 1,200 feet east.	
1934 - Nov. 14	1.81 b/
1936 - May 17	3.64 d/
Sept. 28	4.76 c/

a/ Baker, C. L., Geology and Underground Waters of the Northern Llano Estacado: Texas Univ. Bull. 57, 1915.
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d/ Stanley, W. P. and Scott, W. W., Data in files of Water Utilization Unit, Resettlement Administration.

Water level measurements in observation wells in Bailey County -- Continued
(Source of information indicated by footnotes.)

Date	Depth to water (feet)	
Well 129		
C. H. Whitehead farm, 5 miles northeast of Muleshoe. Measuring point, top of edge of flange on suction pipe, 17 feet below ground. Nearest pumping well is NW¼NE¼ sec. 92, blk. Y, about 1,400 feet west.		
1913 - -- -	1	a/
1937 - Mar. 15 -	2.74	c/
Well 130		
E. R. Hart farm, 6 miles north of Muleshoe. Measuring point, top of bottom flange on suction pipe, 18.5 feet below ground. Nearest pumping well is northwest corner SW¼ sec. 34, blk. W, about 400 feet east.		
1913 - -- -	0.5	a/
1936 - Sept.29 -	2.88	c/
1937 - Jan. 28 -	2.46	c/
Well 131		
R. D. Precure farm, 6 miles northeast of Muleshoe. Measuring point, top of 2x6 wood plate on concrete curb, 0.3 feet above ground. Nearest pumping well is NE¼SE¼ sec. 33, blk. W, about 400 feet west.		
1913 - -- -	18	a/
1936 - Sept.29 -	21.9	d/
1937 - Jan. 28 -	21.34	c/
Well 132		
J. A. Ryan farm, 6½ miles northeast of Muleshoe. Measuring point, top of wood frame at center of east side, 1 foot above ground. Nearest pumping well is NW¼NE¼ sec. 34, blk. W, about 1,300 feet north.		
1913 - -- -	19	a/
1936 - May 14 -	23.96	d/
Sept.29 -	23.25	c/
Well 135		
C. H. Le Hew farm, 6 miles east of Muleshoe. Measuring point, top of 2x6 board across north side of pit, level with ground. Nearest pumping well is NW¼SE¼ sec. 48, blk. W, about 1,300 feet west.		
1913 - -- -	14.	a/
1937 - Jan. 28 -	17.	c/
Well 136		
C. A. Barnett farm, 5½ miles east of Muleshoe. Measuring point, base of flange on pump, level with ground. Nearest pumping well is NW¼SW¼ sec. 48, blk. W, about 1,200 feet west.		
1913 - -- -	15	a/
1934 - Nov. 13 -	14.19	b/
1936 - May 9 -	16.17	d/
Sept.16 -	15.17	d/
Sept.28 -	15.45	c/
Oct. 16 -	15.37	d/
Well 136 -- Continued		
1937 - Jan. 28 -	15.14	c/
Mar. 14 -	15.52	d/
Well 137		
C. H. Whitehead farm, 4¾ miles east of Muleshoe. Measuring point, top of horizontal flange on suction pipe, 11 feet below ground. Nearest pumping well, NW¼ SE¼ sec. 43, blk. W, about 1,200 feet east.		
1913 - -- -	1.5	a/
1936 - May 14 -	3.27	d/
June 20 -	3.41	d/
July 20 -	3.41	d/
Oct. 16 -	3.80	d/
Feb. 12 -	3.56	c/
Well 143		
C. H. Whitehead farm, 4 miles east of Muleshoe. Measuring point, top of flange at base of pump, 22.5 feet below ground. Nearest pumping well is SW¼NW¼ sec. 49, blk. W, about 1,300 feet east.		
1913 - -- -	2.3 above measuring point	a/
1936 - Sept.23 -	0.45	c/
1937 - Feb. 12 -	0.37	c/
Well 152		
W. O. Lawrence farm, 7½ miles southeast of Muleshoe. Measuring point, top of casing, 1.5 feet above ground.		

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c/ Broadhurst, W. L., Hinson, H. H. and Baldwin, B. F., Bailey County, W. P. A. well inventory.
d/ Stanley, W. P. and Scott, W. W., Data in files of Water Utilization Unit, Resettlement Administration.

Water level measurements in observation wells in Bailey County -- Continued
(Source of information indicated by footnotes.)

Date	Depth to water (feet)	Date	Depth to water (feet)	Date	Depth to water (feet)
Well 152 -- Continued		Well 322		Well 322 -- Continued	
1936 - Oct. 16	43.07 c/	H. G. Harvey farm, 5 miles east of Muleshoe. Measuring point, top of pipe clamp, 0.8 foot above ground.		1913 - -- -	18 a/
1937 - Jan. 27	43.34 c/			1937 - Feb. 22	80.05 c/

a/ Baker, C. L., Geology and Underground Waters of the Northern Llano Estacado: Texas Univ. Bull. 57, 1915.
b/ Burleigh, H. P., Unpublished data in files of U. S. Geological Survey.
c/ Broadhurst, W. L., Hinson, H. H. and Baldwin, B. F., Bailey County, W. P. A. well inventory.
d/ Stanley, W. P. and Scott, W. W., Data in files of Water Utilization Unit, Resettlement Administration.

Table of Drillers' Logs, Bailey County, Texas

Driller's log of well 25
C. A. Wagner farm. 8 miles west of Muleshoe.

	Thickness (feet)	Depth (feet)
Soil	3	3
Caliche and chip rock	17	20
Clay	25	45
Gray water sand	15	60
White clay	10	70
Red water sand	10	80
Lime rock	3	83
Gray packed sand	7	90
Red sand	10	100

Driller's log of well 35
Fred Boon farm. 4¾ miles northwest of Muleshoe.

Soil	4	4
Caliche	26	30
Water sand	1	31
Dry sand	6	37
Clay and sand	8	45
Clay	27	72
Packed sand	8	80
Water sand	13	93

Driller's log of well 49
Jess Mitchell farm. 4 miles northwest of Muleshoe.

Soil	3	3
Lime rock	1	4
Gray clay	16	20
Gray sand	15	35
Red water sand	7	42
Gray clay	23	65
Red water sand	25	90
Sand rock	10	100

Driller's log of well 53
W. B. Gwynn, Sr. farm. 3¼ miles northwest of Muleshoe.

Surface soil	4	4
Caliche	14	18
Light limy clay	6	24
Coarse sand	3	27
Limestone, clay and sand	33	60
Sandstone	18	78

Driller's log of well 63
Sam Gorrell farm. 1¾ miles north of Muleshoe.

Soil	3	3
Gravel	1	4
Sand and clay	18	22
Water sand	21	43
Gray clay	20	63
Red water sand	9	72

Driller's log of well 63--Continued

	Thickness (feet)	Depth (feet)
Lime rock	2	74
Tight sand	22	96
Red water sand	6	102
Rock	2	104
Tight sand	3	107
Red water sand	7	114
Rock	1	115
TOTAL DEPTH		115

Driller's log of well 73
City of Muleshoe. 1¼ miles north of Muleshoe.

Soil	2	2
Chalk and clay	15	17
Water sand	1	18
Gray clay	6	24
White water sand	4	28
Gray shale	4	32
Lime rock	2	34
Brown clay	6	40
Gray packed sand	5	45
Red water sand	30	75
Packed sand	10	85
Gray water sand	9	94
Red clay	6	100

Driller's log of well 104
Fred Warren lease. 7½ miles northeast of Muleshoe.

Soil and sub-soil	3	3
Caliche	24	27
Sandy loam	16	43
Rock	2	45
Sandy loam	2	47
Wet mucky sand and rock	7	54
Red sand, water	10	64
Light loam	4	68
Water sand	11	79
White rock, water	6	85
Hard sand and clay, water	16	101
Loose red sand	24	125

Driller's log of well 121
-- Bradley farm. 5 miles northeast of Muleshoe.

Surface soil	6	6
Clay	12	18
Water sand	42	60
Packed sand	40	100
Red sand	8	108
Gray clay	12	120

Table of Drillers' Logs, Bailey County--Continued

Driller's log of well 129
C. H. Whitehead farm. 5 miles northeast of Muleshoe.

	Thickness (feet)	Depth (feet)
Surface soil	4	4
"Magnesia" rock	60	64
Blue clay	6	70
Blue sand	10	80
Gray sand	25	105
Red sand and rock	36	141

Driller's log of well 130
E. R. Hart farm. 6 miles northeast of Muleshoe.

Soil and clay	8	8
"Magnesia" rock	24	32
Clay, sand, and rock	42	74
Sand rock	8	82
Yellow sand	12	94
Rock	2	96
Red sand	4	100
Sandstone	6	106
Red sand and rock	36	142

Driller's log of well 131
R. D. Precure farm. 6 miles northeast of Muleshoe.

Surface soil	4	4
"Magnesia" and sand	15	19
Solid rock and "magnesia" rock	14	33
Red clay, sand, and boulders	50	83
Red sand rock	23	106
Red clay and sand	15	121
Quicksand	6	127
Clay	2	129
Sandstone	17	146
Shell rock and boulders	4	150

Driller's log of well 132
J. A. Ryan farm. 6½ miles northeast of Muleshoe.

Surface soil	5	5
"Magnesia" rock	22	27
Red clay and sand	40	67
Red sand	12	79
Sandstone	6	85
Red clay	20	105
Sand and gravel	39	144

Driller's log of well 135
C. H. LeHew farm. 6 miles east of Muleshoe.

Surface soil	6	6
"Magnesia" rock and boulders	28	34
"Magnesia" rock and red sand	14	48
Red clay and sand	24	72
Red sandstone	33	105
Sand	23	128
Sandstone and gravel	22	150

Driller's log of well 136
C. A. Barnett farm. 5½ miles east of Muleshoe.

	Thickness (feet)	Depth (feet)
Soil and clay	9	9
"Magnesia" rock	53	62
Sand	20	82
Rock	6	88
Red sand and rock	46	134
Clay	3	137
Red sand and gravel	11	148

Driller's log of well 137
C. H. Whitehead farm. 4⅜ miles east of Muleshoe.

Surface soil	3	3
Clay and "magnesia"	9	12
"Magnesia" rock	11	23
Red sandstone	20	43
Yellow clay and sand	50	90
Red sandstone	6	99
Red sand	4	103
Red sandstone	7	110
Red sandstone and gravel	30	140

Driller's log of well 141
L. L. Lowry farm. 4½ miles east of Muleshoe.

Surface soil	5	5
Clay	12	17
"Magnesia" and clay	45	62
Hard gray clay and rock	40	102
Red sandstone	56	158

Driller's log of well 143
C. H. Whitehead farm. 5 miles east of Muleshoe.

Soil and clay	9	9
Clay and "magnesia"	5	14
Clay and sand	40	54
Red sandstone	6	60
Red sand and shell rock	20	80
Yellow clay	5	85
Red clay and sand	11	96
Red clay	6	102
Sand and gravel	9	111

Driller's log of well 303
Humble Oil Co., W. F. Fugua farm. 7½ miles northwest of Baileyboro.

Yellow clay	30	30
Yellow mud	45	75
Blue gumbo	40	115
White sand	5	120
Red bed	120	240
Water sand	35	275
Blue clay	30	305

(Continued on next page)

Table of Drillers' Logs, Bailey County--Continued

Driller's log of well 303--Continued

	Thickness (feet)	Depth (feet)
Red bed-	245	550
White sand	10	560
White sand, water-	33	593
Red bed-	2	595
Blue gumbo	10	605
Water sand	60	665
Blue gumbo	12	677
Red bed-	33	715
Gray sand-	17	732
Red bed-	208	940
Brown shale-	40	980
Water sand (175 feet of salty water an hour)	15	995
Red rock	85	1080
Gray shale	5	1085
Water sand	25	1110
Blue shale	5	1115
Red rock	15	1130
Hard, pink gypsum-	10	1140
Red rock	80	1220
Blue shale	30	1250
Sandy, gray shale-	50	1300
Water at 1300--10 bailers an hour		
Red rock	30	1330
Brown shale-	20	1350
Red rock	25	1375
Red bed-	35	1410
Red rock	25	1435
Red bed-	20	1455
Blue shale	20	1475
Pink gumbo	10	1485
Red rock	85	1570
Red sand, hole full of water	30	1600
Red rock	15	1615
Blue and red shale	55	1670
Red rock	110	1780
Blue shale	30	1810
Gray, sandy shale-	25	1835
Gray sand, hole full of water	20	1855
Gray and brown shale	5	1860
Blue and brown gumbo and red rock	20	1880
Gray sand and gravel	5	1885
Blue gumbo and red bed	5	1890
Red sand	15	1905
Red, sandy shale	105	2010
Red gypsum	70	2080
Red bed and red gypsum	25	2105
Red gypsum	30	2135
Red sand	10	2145
Hard, red gypsum	5	2150
Red mud-	25	2175
Red bed and gypsum	10	2185
Red mud with gypsum-	15	2200

Driller's log of well 303--Continued

	Thickness (feet)	Depth (feet)
Red bed and gypsum	40	2240
Red and white salt and red bed-	25	2265
TOTAL DEPTH-		4100

Driller's log of well 328

A. L. Davis farm. 8½ miles northeast of Baileyboro.

	Thickness (feet)	Depth (feet)
Surface soil	4	4
Red, sandy clay-	14	18
Magnetic rock and sand	86	104
Soft, white sandstone-	20	124
Hard cap rock-	1	125
White sand and sandstone	20	145
Sand and gravel-	5	150

Driller's log of well 360

G. L. Blackshear farm. 2¼ miles east of Baileyboro.

	Thickness (feet)	Depth (feet)
Surface soil	2	2
Rock, shells and water	16	18
Yellow clay-	3	21
Sand and rock-	65	86
Sand and gravel-	10	96

Driller's log of well 362

Federal Land Bank tract. 1 mile south of Baileyboro.

	Thickness (feet)	Depth (feet)
Sand, gravel and rock-	40	40
Blue clay-	20	60
Sand and gravel-	13	73

Driller's log of well 378

J. H. McCarty Estate. 4½ miles south of Baileyboro.

	Thickness (feet)	Depth (feet)
Caliche-	14	14
Sand, gravel and rock-	72	86
Yellow clay-	14	100
Blue clay, shale and rock-	100	200
Red beds, salt water	5	205

Driller's log of well 379

L. A. Harless farm. 5½ miles southwest of Baileyboro.

	Thickness (feet)	Depth (feet)
Surface soil	3	3
Caliche-	14	17
Sand, gravel and rock-	60	77
Yellow clay-	12	89
Rock, shells and sand-	80	169
Red beds	4	173

Driller's log of well 422

M. M. McCorkle farm. 10 miles south of Baileyboro.

	Thickness (feet)	Depth (feet)
Surface soil	4	4

(Continued on next page)

Table of Drillers' Logs, Bailey County--Continued

Driller's log of well 422--Continued

	Thickness (feet)	Depth (feet)
Caliche	15	19
Sand and caliche	75	94
Yellow clay	30	124
Blue clay	100	224
Black sand	9	233
Sand and rock, water	20	255
Green shale	2	255
Red beds	3	258

Reported driller's log of well 423
G. P. Howell farm. 12½ miles south of Baileyboro.

Surface soil	4	4
Caliche rock and boulders	3	7
Red clay	12	19
Rock	5	24
Caliche	10	34
Lime, clay, caliche, sand	40	74
Fine sand	13	87
Fine, dry sand	15	102
Coarse, flint sand	5	107
Yellow clay	23	130
Coarse gravel	3	133
Blue clay	37	170
Fine sand	1	171
Yellow clay	7	178
Coarse sand	1	179
Blue clay	1	180

Driller's log of well 425
W. Davis farm. 10½ miles south of Baileyboro.

Surface soil	3	3
Caliche	14	17
Sand and caliche	82	99
Yellow clay	26	125
White lime rock	15	140
Blue clay, shells and sand	65	205
Sand and gravel	6	211
Red beds	2	213

Driller's log of well 426
M. C. Satterwhite farm. 10 miles south of Baileyboro.

	Thickness (feet)	Depth (feet)
Surface soil	3	3
Caliche	15	18
Caliche and sand	90	108
Yellow clay	32	140
Clay, shells and sand	68	208
Sand and gravel, water	4	212

Driller's log of 427
I. C. Enochs farm. 11 miles south of Baileyboro.

Surface soil	5	5
Caliche	45	50
Packed sand	25	75
White sand	30	105

Driller's log of well 430
K. C. Moser farm. 13 miles south of Baileyboro.

Soil	2	2
Caliche rock	38	40
Sand rock	10	50
Sand and clay	30	80
Water sand	5	85
Red clay	2	87
Water sand and gravel	23	110
Yellow clay	20	130
Blue clay	35	165
Rock	1	166
Space	2	168
Rock	2	170
Yellow clay	20	190
Rock	3	193

Driller's log of well 432
Harris farm. 12 miles south of Baileyboro.

Surface soil	2	2
Caliche	25	27
Caliche and sand	85	112
Yellow clay	40	152
Sand, shale and clay	39	191

Logs of test wells drilled by W. P. A. labor in Bailey County, Texas
Samples examined and classified by W. L. Broadhurst,
Project Superintendent.

Well 6

Gentle slope, side of county road, NE¼NE¼ sec. 13, Blk. Z, 9½ miles northwest of Muleshoe.

	Thickness (feet)	Depth (feet)
Dark sandy soil	1	1
Light sandy soil	2	3
Sandy caliche	8	11
Rock		11

No water sample collected. Oct. 8, 1936.

Well 7

Flat, side of county road, SE¼SE¼ sec. 13, Blk. Z, 9 miles west of Muleshoe.

Dark soil	2	2
Fine sand	1	3
Dark sandy caliche	3	6
Rock	1	7

No water sample collected. Oct. 8, 1936.

Well 8

Flat, side of county road, NE¼NE¼ sec. 21, Blk. Z, 10 miles west of Muleshoe.

Dark	2	2
Ash-colored sand	1	3
Caliche	1	4
Red sandy clay	8	12

No water sample collected. Oct. 8, 1936.

Well 13

Flat, side of county road, NE¼NE¼ sec. 26, Blk. Z, 10½ miles west of Muleshoe.

Dark sandy soil	1	1
Light sandy soil	3	4
Hard rock	1	5

No water sample collected. Oct. 9, 1936.

Well 14

Side of county road, NW¼NW¼ sec. 149, Blk. Z, 11½ miles west of Muleshoe.

Dark sandy soil	1	1
Light sandy soil	2	3
Gravel and sand	9	12
White sand	3	15
Rock		15

No water sample collected. Oct. 9, 1936.

Well 18

Gentle slope, side of county road, NE¼NE¼ sec. 22, Blk. Z, 10 miles west of Muleshoe.

Hard surface soil	3	3
Red caliche	11	14
Rock		14

No water sample collected. Oct. 9, 1936.

Well 19

Flat, side of county road SW¼SW¼ sec. 5, Blk.Z, 9 miles west of Muleshoe.

	Thickness (feet)	Depth (feet)
Dark sandy soil	2	2
Fine light sandy soil	3	5
Caliche	8	13
Rock		13

No water sample collected. Oct. 9, 1936.

Well 20

Flat, side of county road, NE¼NE¼ sec. 6, Blk. Z, 8 miles west of Muleshoe.

Surface soil	2	2
White caliche	9	11
Yellow caliche	2	13
Rock		13

No water sample collected. Oct. 9, 1936.

Well 27

Flat, side of county road, NW¼NW¼ sec. 7, Blk. X, 7½ miles west of Muleshoe.

Surface soil and sand	2	2
Yellow caliche and clay	3	5
White caliche	1	6
Hard rock		6

No water sample collected. Sept. 25,1936.

Well 29

Gentle slope, side of county road, NW¼-SW¼ sec. 7, Blk.X, 7½ miles west of Muleshoe.

Surface soil and sand	2	2
Sandy soil and caliche	2	4
Caliche	4	8

No water sample collected. Sept. 25,1936.

Well 32

Bed of draw, side of county road, SW¼NW¼NW¼ sec. 39, Blk. X, 5½ miles west of Muleshoe.

Dark soil	2	2
Caliche	15	17

Water level, 7.9 feet below top of ground, 48 hours after hole completed.
Water sample collected. Jan.14, 1937.

Well 39

Lake bed, side of county road, SE¼SW¼ sec. 23, Blk. X, 4½ miles west of Muleshoe.

Dark soil	1	1
Yellow clay and soil	2	3
Blue mucky clay	9	12

Water level, 4.9 feet below top of ground, 48 hours after hole completed.
Water sample collected. Jan. 16, 1936.

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

Well 40

Flat, side of county road, SW corner sec. 21, Blk. Y, 3 miles northwest of Muleshoe.

	Thickness (feet)	Depth (feet)
Soil	2	2
Clay	2	4
Caliche	9	13
Fine white sand	2	15
Caliche and sand	8	23
Yellow clay	1	24

Water level, 21.1 feet below top of ground, 48 hours after hole completed.
Water sample collected. Jan. 14, 1937.

Well 42

Flat, side of county road, SE¼SE¼ sec. 21, Blk. Y, 2½ miles northwest of Muleshoe.

Dark soil	4	4
Red clay and sand	3	7
Caliche and sand	10	17

No water sample collected. Oct. 8, 1936.

Well 48

Flat, side of county road, SW¼SW¼ sec, 22, Blk. Y, 3½ miles northwest of Muleshoe.

Dark sandy soil	1	1
Light sandy soil	3	4
Sandy caliche	5	9
Rock		9

No water sample collected. Oct. 8, 1936.

Well 55

Flat, side of county road, SE¼SE¼ sec. 29, Blk. Y, 4½ miles north of Muleshoe.

Dark sandy soil	1	1
Red clay and sand	2	3
Yellow and white caliche and clay	9½	12½
Hard caliche and clay	13	25½

No water sample collected. Dec. 29,1936.

Well 58

Gentle slope, side of county road, SE¼-SE¼ sec. 44, Blk. Y, 4½ miles north of Mulshoe.

Dark loam, soil	2	2
Light soil and caliche	2	4
Clay and caliche	7	11
Red caliche, yellow clay and fine red sand	9	20

No water sample collected. Nov. 18, 1936.

Well 59

Flat, side of county road, SW¼SW¼ sec.50, Blk. Y, 3½ miles north of Mulshoe.

Sandy loam, soil	1	1
Yellow caliche and clay	10	11

Well 59--Continued

	Thickness (feet)	Depth (feet)
Hard caliche and gravel	7	18
Fine red sandy clay and gravel	2	20
Fine white sandy clay	5	25

Water level, 22.3 feet below top of ground, ¼ hour after hole completed.
Water sample collected. Sept. 24,1936.

Well 61

Flat, side of county road, SE¼SE¼ sec.30, Blk. Y, 3¼ miles north of Muleshoe.

Sandy soil	2	2
Clay, caliche and gravel	7	9
Caliche	8	17
Caliche, red clay and sand	5	22
Fine red sand	10	32

Struck water at 28 feet.
Water level, 27.0 feet below top of ground, 1 hour after hole completed.
Water sample collected. Sept. 24, 1936.

Well 64

Gentle slope, side of county road, SE¼SE¼ sec. 31, Blk.Y, 2½ miles north of Muleshoe.

Dark soil	1	1
Light soil and caliche	2	3
Soft caliche and gravel	7	10
Caliche and clay	7	17
Rock		17

No water sample collected. Sept. 24,1936.

Well 68

Flat, side of county road, NW¼NW¼ sec.52, Blk. Y, 2¼ miles north of Muleshoe.

Fine light top soil	2	2
Soft caliche	7	9
Yellow sandy clay and caliche	10	19
Hard rock	½	19½

No water sample collected. Sept.23,1936.

Well 71

Flat, side of county road, NE¼NE¼ sec.40, Blk. Y, 1½ miles north of Muleshoe.

Dark loam, top soil	1	1
Fine light sandy clay	2	3
Fine yellow clay and sand	3	6
Soft caliche	8	14
Hard rock		14

No water sample collected. Sept. 23,1936.

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

Well 72

Flat, side of county road, NW¼NE¼ sec. 40, Blk. Y, 1½ miles north of Muleshoe.

	Thickness (feet)	Depth (feet)
Dark loamy soil	1	1
Fine light sandy caliche	2	3
Soft caliche	5	8
Hard caliche	2	10
Light clay and sand	7	17
Light limy clay and sand	18	35

Struck water at 20 feet.
Water level, 17.5 feet below top of ground, 37 hours after hole completed.
Water sample collected. Sept. 23, 1936.

Well 76

South side of Highway 7, NW¼SW¼NW¼ sec.40, Blk. Y, 1 mile northwest of Muleshoe.

Fine brown sandy top soil	5	5
White river sand	6	11
Caliche and sand	2	13
Fine yellow sand	1½	14½
Caliche	1½	16
White river sand	5	21

Struck water at 21 feet.
No water sample collected.

Well 80

Flat, Warren tract, SE¼SE¼ sec. 40, Blk. Y, ½ mile north of Muleshoe.

Fine light topsoil	1	1
Light powdery clay	2	3
Brown powdery clay	3	6
Caliche	9½	15½
Caliche and sand	5½	21

Struck water at 15½ feet.
No water sample collected. Oct. 12, 1936.

Well 81

Flat, side of Highway 70, SE¼SW¼ sec. 53, Blk. Y, ¾ mile northeast of Muleshoe.

Light brown sandy soil	2	2
Dark soil	2	4
Caliche	10½	14½
Caliche rock and little sand	2	16½

Struck water at 15 feet.
No water sample collected. Oct. 12, 1936.

Well 82

Edge of lake bed, E. K. Warren tract, NW¼ sec. 59, Blk. Y, 1¼ milee east of Muleshoe.

Dark surface soil	1	1
Light soil	2	3
Powdery clay	1	4
Caliche	7	11

Struck water at 9½ feet.
Water level, 9.5 feet below top of ground, 4 hours after hole completed.
Water sample collected. Nov. 10, 1936.

Well 83

Bottom of draw, E. H. Warren tract, NE¼NW¼ sec. 59, Blk. Y, 1½ miles east of Muleshoe.

	Thickness (feet)	Depth (feet)
Surface soil and clay	2	2
Fine sandy clay	1	3
Fine white sand	2	5
White sandy caliche and caliche gravel	3	8

No water sample collected. Nov. 10,1936.

Well 84

Gentle slope, E. K. Warren tract, center S½ sec. 59, Blk. Y, 1¾ miles east of Muleshoe.

Dark surface soil	2	2
Reddish-yellow sandy clay and caliche	8	10
Red sand	1	11
White sandy clay and hard gravel	1	12

No water sample collected. Nov. 10,1936.

Well 86

Edge of draw, E. K. Warren tract, NE¼SW¼ sec. 60, Blk. Y, 1¾ miles east of Muleshoe.

Light sandy soil	2	2
Powdery clay	1	3
Hard caliche	1	4
Soft clay and caliche	8	12

No water sample collected. Nov. 10,1936.

Well 87

Flat, side of Highway 70, SW¼NW¼ sec. 60, Blk. Y, 1½ miles northeast of Muleshoe.

Fine brown topsoil	2	2
Fine powdery clay and caliche	3	5
Caliche	3	8
Caliche and limestone	1	9
White caliche and clay	5	14
Red caliche, sand, and gravel	2	16

Struck water at 14½ feet.
No water sample collected. Oct. 12,1936.

Well 89

Flat, J.R. Baker tract, NW¼NE¼ sec. 52, Blk. Y, 2½ miles north of Muleshoe.

Dark surface soil	1	1
Light soil and caliche	4	5
Caliche gravel and sand	14	19
Rock		19

Struck water at 17 feet.
No water sample collected. Oct. 21,1936.

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

Well 94

Flat, side of county road, NW¼NW¼ sec. 71, Blk. Y, 3¾ miles northeast of Muleshoe.

	Thickness (feet)	Depth (feet)
Dark sandy soil	1	1
Dark clay	3	4
Yellow sand and gravel	2	6
Yellow caliche, gravel	2	8
Caliche and clay	5	13
Rock		13

No water sample collected. Oct. 7, 1936.

Well 97

Flat, side of county road, NE¼NE¼ sec. 71, Blk. Y, 4½ miles northeast of Muleshoe.

Dark soil	1	1
Blue clay	2	3
Caliche	10	13
Caliche and sand	2	15
Hard rock		15

No water sample collected. Sept.30,1936.

Well 100

Flat, SE¼SE¼ sec. 50, Blk. Y, 4½ miles north of Muleshoe.

Dark sandy soil	1	1
Light sandy soil	2	3
Red sandy soil	1	4
Light sandy caliche	6	10
Red sandy caliche and clay	5	15
Red sandy clay	4	19

No water sample collected. Oct. 7,1936.

Well 101

Flat, side of county road, SE¼SE¼ sec.64, Blk. Y, 4¾ miles northeast of Muleshoe.

Brown sandy soil	3	3
Dark blue clay	5	8
Yellow sand	1	9
Sandy caliche and gravel	2	11
Light sandy clay	3	14
Fine red sand	4	18
Caliche and gravel	2	20

No water sample collected. Sept.30,1936.

Well 106

Flat, side county road, NE¼SE¼ sec.17, Blk. W, 7 miles northeast of Muleshoe.

Light soil	3	3
Yellow caliche and sand	3	6
White caliche	2	8
Red sandy clay	1	9
Yellow sandy clay and caliche, gravel	5½	14½
Rock		14½

No water sample collected. Sept.29,1936.

Well 112

Flat, side of county road, SE¼SE¼ sec.32, Blk. W, 6½ miles northeast of Muleshoe.

Dark soil	4	4
Light yellow sand and gravel	2	6
Light sandy caliche	4	10
Caliche	2	12
Red clay and caliche	3	15
Hard rock		15

No water sample collected. Sept.29,1936.

Well 115

Flat, side of county road, SW¼SW¼ sec.32, Blk. W, 5½ miles northeast of Muleshoe.

Light sandy soil	2	2
Caliche and sand	10½	12½
Rock		12½

No water sample collected. Sept.29,1936.

Well 118

Gentle slope, side of county road, SW¼SW¼ sec. 17, Blk. W, 6 miles northeast of Muleshoe.

Sandy soil	2	2
Sandy caliche	8	10
Red clay and sand	1	11
White sandy caliche	4	15
Red sandy clay and caliche	5	20
Rock		20

No water sample collected. Sept.29,1936.

Well 119

Flat, side of county road, NW¼NW¼ sec.83, 5½ miles northeast of Muleshoe.

Dark soil	3	3
Caliche	4	7
Yellow caliche and sand	3	10
Caliche	6	16
Rock		16

No water sample collected. Sept. 30,1936.

Well 125

Gentle slope, side of county road, SE¼NE¼ sec. 72, Blk. Y, 3¾ miles northeast of Muleshoe.

Dark surface soil	2	2
Yellow clay and gravel	2	4
Black sand and clay	1	5

No water sample collected. Sept. 28,1936.

Well 133

Flat, side of county road, SE¼SE¼ sec. 33, Blk. W, 6 miles northeast of Muleshoe.

Dark soil	2	2
Light sand and gravel	7	9
Red sandy clay	3	12
White sand and gravel	2	14

No water sample collected. Sept. 28,1936.

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

Well 134

Gentle slope, side of county road, SE¼NE¼ sec. 48, Blk. W, 5½ miles east of Muleshoe.

	Thickness (feet)	Depth (feet)
Dark soil	2	2
Light sandy caliche and gravel	5	7
Rock		7

No water sample collected. Sept. 28,1936.

Well 138

Gentle slope, side of county road, NE¼SE¼ sec. 92, Blk. Y, 4¾ miles northeast of Muleshoe.

Dark sandy soil	3	3
Light yellow sandy clay and gravel	2	5
White sand, clay and gravel	2	7
Rock		7

No water sample collected. Sept. 28,1936.

Well 139

Gentle slope, side of Highway 70, SE¼NE¼ sec. 49, Blk. W, 5½ miles east of Muleshoe.

Sandy soil	1	1
Sandy clay	7	8
Caliche, sand and gravel	5	13
Rock		13

Struck water at 11 feet.
No water sample collected. Sept.28,1936.

Well 142

Gentle slope, side of Highway 28, SE¼NE¼ sec. 93, Blk. Y, 4½ miles east of Muleshoe.

Dark sandy soil	1	1
Light sandy soil	2	3
Sand and caliche	11	14
Clay and caliche	6	20
Rock		20

Struck water at 19 feet.
No water sample collected. Sept. 28,1936.

Well 144

Gentle slope, W. E. Halsell tract, SW¼NW¼ sec. 80, Blk. Y, 3½ miles east of Muleshoe.

Dark sandy loam	1	1
Light sandy clay and caliche	3	4
Weathered caliche	3	7
Yellow caliche and sand	6½	13½
Rock		13½

No water sample collected. Sept.28,1936.

Well 146

Flat, Janes Estate, League 205, Garza C. S. L., center west line 4½ miles east of Muleshoe.

Dark surface soil	2	2
Fine yellow sand	2	4
White caliche	1	5
Red sandy clay and caliche	4	9
White sandy caliche	2	11
Rock		11

No water sample collected. Nov. 9,1936.

Well 147

Gentle slope, Janes Estate, League 205, Garza C. S. L., northwest corner 4 miles east of Muleshoe.

Dark soil	1	1
Light sandy clay	3	4
Caliche	2	6
Red clay and caliche	3	9
Rock		9

No water sample collected. Nov. 9, 1936.

Well 148

Gentle slope, Janes Estate, League 220, Castro C. S. L., 4¾ miles east of Muleshoe.

Red sandy soil	1	1
Dark sandy soil	1	2
White sandy clay	2	4
Light sand	3	7
White sand and gravel	14	21
Rock		21

Struck water at 15 feet.
Water sample collected. Nov. 9, 1936.

Well 149

Rolling plain, Janes Estate, League 220, Castro C. S. L., 5½ miles east of Muleshoe.

Light sandy soil	2	2
White sandy clay	2	4
Red sandy clay	2	6
Red sand	2	8
Sandy caliche	2	10
White sandy clay	2	12
White sandy clay and gravel	5	17

Struck water at 14 feet.
Water sample collected. Nov. 9, 1936.

Well 150

Rolling plain, Janes Estate, center of League 220, Castro C. S. L., 6 miles east of Muleshoe.

Dark surface soil	1	1
Fine white sand	6	7

(Continued on next page)

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

Well 150--Continued

	Thickness (feet)	Depth (feet)
Fine yellow sand	3	10
Fine white sand	2	12
Yellow sand and clay	1	13
Caliche	1	14
Hard rock		14

No water sample collected. Nov. 9, 1936.

Well 159

South side of Highway 7, NW¼SW¼ Labor 1, League 204, Ochiltree C. S. L. 5 miles southeast of Muleshoe.

Light brown sandy topsoil	1½	1½
Sand and lime	1½	3
Medium coarse sand and caliche pebbles	2	5
Yellow packed sand	5	10
Medium fine yellow sand and caliche	3	13
Brownish-yellow sand and caliche	5	18

No water sample collected.

Well 160

South side of Highway 7, northwest corner NE¼ Labor 2, League 204, Ochiltree C.S.L., 4¾ miles southeast of Muleshoe.

Light brown sandy topsoil	1½	1½
Fine white sand	1½	3
White sand and lime	2	5
White sand and caliche pebbles	5	10
Medium fine yellow sand	3	13
Yellow sand and caliche pebbles	5	18

No water sample collected.

Well 161

South side of Highway 7, SW¼SE¼ Lamar C. S. L., Blk. S 2, 4½ miles southeast of Muleshoe.

Light brown sandy topsoil	4	4
Coarse gray sand	4	8
Medium coarse brown sand	1	9
Mixed sands	2	11
Caliche	3	14
Caliche and sand	2	16

Water sample collected.

Well 162

Side of Highway 7, SW¼NW¼ Lamar C. S. L., Blk. S 2, 4 miles southeast of Muleshoe.

Light brown sandy topsoil	4	4
Fine sand and lime	2	6
Limestone sand	5	11
White sand and caliche pebbles	1	12
Medium fine brown sand	2	14

Water sample collected.

Well 163

South side of Highway 7, NE¼ sec. 76, Walker C. S. L., Blk. S 2, 3⅓ miles southeast of Muleshoe.

	Thickness (feet)	Depth (feet)
Light brown sandy topsoil	3	3
Fine gray sand	10	13
Yellow clay and sand	1	14
Caliche and sand	2	16
Blue caliche	1	17

Water sample collected.

Well 164

South side of Highway 7, NE¼NW¼ sec. 76, Walker C. S. L. Blk. S 2, 3½ miles southeast of Muleshoe.

Light brown sandy topsoil	1½	1½
Fine yellow sand	1	2½
Mixed red sand	3½	6
Medium fine brown sand	4	10
Caliche and sand	7	17

No water sample collected.

Well 165

South side of Highway 7, SE¼SW¼ sec. 75, Blk. Y, 2¾ miles southeast of Muleshoe.

Light brown sandy topsoil	2	2
Fine yellow sand	1	3
Fine sand and lime	5	8
Caliche	2	10

No water sample collected.

Well 166

Flat, Halsell Cattle Co. tract, northwest corner Labor 1, League 190, Ector C. S. L., 3½ miles southeast of Muleshoe.

Sandy soil	1	1
White sand	4	5
Gray sand	3	8
Gray sticky mud	6	14
Rock		14

Water level, 4.5 feet below top of ground, 3 hours after hole completed.
No water sample collected. Jan. 11, 1937.

Well 167

Gentle slope, Halsell Catlle Co. tract, NW¼ Labor 2, League 190, Ector C. S. L., 3 miles southeast of Muleshoe.

Sandy soil	2	2
Fine white sand	4	6
Gray sand	3	9
Gray sticky clay	6	15
Red sandy clay	4	19

Water level, 11 feet below top of ground, ½ hour after hole completed.
No water sample collected. Jan. 11, 1937.

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

Well 168

Flat, Halsell Cattle Co. tract, SW¼ sec. 57, Walker C. S. L., Blk. S 2, 3 miles southeast of Muleshoe.

	Thickness (feet)	Depth (feet)
Black sandy loam	2	2
Fine gray sand	3	5
Gray sticky mud	2	7
Yellow gray sandy clay	3	10
Caliche gravels and rock		10

Struck water at 4 feet.
Water level, 2.3 feet below top of ground, 5 hours after hole completed.
Water sample collected. Jan. 11, 1937.

Well 169

Gentle slope, Halsell Cattle Co. tract, SW¼ sec. 57, Walker C. S. L., Blk. S 2, 3 miles southeast of Muleshoe.

Dark sandy loam	2	2
Yellow sand	1	3
Fine white sand	9	12
Yellow sand	4	16
Gray gumbo	3	19
Rock		19

Struck water at 14 feet.
No water sample collected. Jan. 11,1937.

Well 170

Gentle slope, Halsell Cattle Co. tract, NW¼SW¼ sec. 57, Walker C. S. L., Blk. S 2, 2¾ miles southeast of Muleshoe.

Dark sandy loam	1	1
Fine red sand	2	3
Fine white sand	11	14
Yellow and gray sand	2	16
Gray gumbo and gravel	7	23
Rock		23

Water level, 15.6 feet below top of ground, 3 hours after hole completed.
Water sample collected. Jan. 11, 1937.

Well 171

Gentle slope, Halsell Cattle Co. tract, NW¼SE¼ sec. 57, Walker C. S. L., Blk. S 2, 2½ miles south of Muleshoe.

Dark sandy loam	3	3
Fine white sand	7	10
Red sandy clay	2	12
Gray sandy clay	2	14
Yellow clay and gravel	2	16

Water level, 8 feet below top of ground, ¼ hour after hole completed.
No water sample collected. Jan. 11,1936.

Well 173

South side of Highway 7, NE¼SE¼ sec. 58, Blk. Y, 2½ miles southeast of Muleshoe.

	Thickness (feet)	Depth (feet)
Light brown sandy topsoil	2½	2½
Fine yellow sand	1	3½
White sand and lime	1½	5
White river sand	2½	7½
Fine yellow sand	2½	10
Caliche	5	15

Water sample collected.

Well 174

South side of Highway 7, NW¼SE¼ sec. 58, Blk. Y, 2 miles southeast of Muleshoe.

Light brown sandy topsoil	3	3
Fine yellow sand	1	4
Fine limestone sand	½	4½
White sand and caliche pebbles	½	5
Caliche and sand	5	10
Caliche	5	15

Water sample collected.

Well 175

South side of Highway 7, SE¼SW¼ sec. 58, Blk. Y, 1¾ miles southeast of Muleshoe.

Light bronw sandy topsoil	1½	1½
Fine yellow sand	4½	6
White sand and lime	4	10
White sand and caliche pebbles	3	13
White limestone sand	1	14
Caliche	1	15

Water sample collected.

Well 176

South side of Highway 7, northwest corner NW¼, sec. 58, Blk. Y, 1½ miles southeast of Muleshoe.

Light brown sandy topsoil	4	4
Caliche and gray sand	5	9
Caliche		9

No water sample collected.

Well 177

South side of Highway 7, SE¼SE¼ sec. 54, Blk. Y, 1½ miles southeast of Muleshoe.

Light brown sandy topsoil	2	2
Fine yellow sand	2½	4½
Light brown sand	1½	6
Caliche	1½	7½
Fine yellow sand	1½	9
Fine brown sand	1	10
Caliche	3	13
Caliche and clay	1	14
Caliche	1	15

Water sample collected.

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

Well 178

South side of Highway 7, SW¼SE¼ sec. 54, Blk. Y, 1 mile southeast of Muleshoe.

	Thickness (feet)	Depth (feet)
Light brown sandy topsoil- -	2	2
Fine yellow sand- - - - - -	4	6
White river sand- - - - - -	3	9
Caliche and fine sand- - - -	1	10

Water sample collected.

Well 179

South side of Highway 7, SW¼SE¼ sec. 54, Blk. Y, ⅝ mile southeast of Muleshoe.

Light brown sandy topsoil- -	1½	1½
Fine yellow sand- - - - - -	½	2
Sand and lime- - - - - - -	3	5
Caliche- - - - - - - - - -	1	6
Yellow caliche- - - - - - -	1½	7½
Red clay- - - - - - - - - -	2½	10
Caliche and river sand- - -	1½	11½

Water sample collected.

Well 180

South side of Highway 7, center SW¼ sec. 54, Blk. Y, ½ mile east of Muleshoe.

Light brown sandy topsoil- -	1½	1½
Fine gray sand- - - - - - -	1	2½
Red sandy clay- - - - - - -	3½	6
Caliche and sand- - - - - -	3	9
Caliche- - - - - - - - - - -	9	18

Water sample collected.

Well 181

South side of Highway 7, NW¼SW¼ sec. 54, Blk. Y, ¼ mile east of Muleshoe.

Light brown sandy topsoil- -	1	1
White sand and caliche pebbles	1	2
White limestone sand- - - - -	1	3
Sand and caliche- - - - - - -	5	8
Caliche- - - - - - - - - - -	½	8½

Water sample collected.

Well 182

Flat, M. C. Bell tract, SE¼ sec. 39, Blk. Y, ¼ mile east of Muleshoe.

Soil- - - - - - - - - - - - -	2	2
Caliche- - - - - - - - - - -	8	10
Fine red sandy clay - - - - -	5	15
Caliche, soft- - - - - - - -	8	23
Hard caliche- - - - - - - - -	12	35

Struck water at 14 feet.
Water level, 14.1 feet below top of ground, 2 weeks after hole completed.
Water sample collected. Jan. 4, 1937.

Well 183

Flat, townsite block 15, lot 22, sec. 39, Blk. Y, in Muleshoe.

	Thickness (feet)	Depth (feet)
Light sandy soil- - - - - - -	2	2
Soil and sand- - - - - - - -	2	4
Sandy caliche- - - - - - - -	1	5
Red sandy clay- - - - - - - -	2	7
Sandy caliche- - - - - - - -	9	16
White sandy clay - - - - - -	2	18
Hard caliche and sand - - - -	7	25

No water sample collected. Dec. 21, 1936.

Well 184

South side of Highway 7, NW¼NW¼ sec. 54, Blk. Y, in Muleshoe.

Light brown sandy topsoil- - -	1½	1½
White river sand- - - - - - -	1	2½
White sand and caliche- - - -	2½	5
Mixed sand- - - - - - - - - -	3	8
Hard caliche- - - - - - - - -		8

No water sample collected.

Well 185

West side of Highway 214, SW¼NE¼ sec. 39, Blk. Y, in Muleshoe.

Light brown sandy topsoil- - -	3½	3½
Caliche and fine river sand- -	4	7½
Dark gray sandy clay- - - - -	2	9½
Coarse light red sand- - - - -	4½	14

No water sample collected.

Well 186

Side of Highway 7, NW¼NE¼ sec. 38, Blk. Y, in Muleshoe.

Light brown sandy topsoil- - -	3	3
White river sand- - - - - - -	3	6
Caliche- - - - - - - - - - -	3	9
Fine yellow sand- - - - - - -	1	10
Caliche- - - - - - - - - - -	1	11
Sandy caliche- - - - - - - -	1	12
Caliche and fine yellow sand -	2	14
Brown limestone sand- - - - -	1	15
Brown sand and caliche pebbles	2	17
Caliche- - - - - - - - - - -		17

No water sample collected.

Well 187

Gentle slope, E. K. Warren tract, NW¼ sec. 39, Blk. Y, ½ mile west of Muleshoe.

Light sandy clay soil- - - -	2	2
Light clay and caliche- - - -	12	14
Fine red sand- - - - - - - -	1	15
Caliche- - - - - - - - - - -	20	35

Water level, 24.9 feet below top of ground, 1 week after hole completed.
Water sample collected. Dec. 9, 1936.

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

Well 188

Flat, E. K. Warren tract, SE¼SE¼ sec. 34, Blk. Y, ¾ mile west of Muleshoe.

	Thickness (feet)	Depth (feet)
Soil and mud	2	2
Caliche	10	12

Struck water at 4 feet.
No water sample collected. Dec. 22, 1936.

Well 189

Gentle slope, C. S. Holand tract, NE¼SW¼ sec. 39, Blk. Y, ¼ mile west of Muleshoe.

Light sandy soil	3	3
Fine light sand	8	11
Dark sandy clay	10	21
Fine red sand	5	26
Light sandy clay	6	32
White clay and sand	6	38
White limy clay, caliche and sand	10	48
Hard caliche and sand	5	53

No water sample collected. Dec. 31, 1936.

Well 190

West side of Highway 214, center west side SE¼ sec. 39, Blk. Y, ½ mile southwest of Muleshoe.

Light brown sandy topsoil	3½	3½
Sandy loam	1	4½
White river sand	3	7½
Caliche and sand	1½	9
Coarse river sand	2	11

Struck water at 10½ feet.
Water sample collected.

Well 191

West side of Highway 214, NE¼SW¼ sec. 39, Blk. Y, ½ mile southwest of Muleshoe.

Light brown sandy topsoil	5	5
Brown sand and gravel	1½	5½
Caliche, sand and gravel	1	7½
Caliche	6	13½

Water sample collected.

Well 192

West side of Highway 214, SE¼SW¼ sec. 39, Blk. Y, ¾ mile southwest of Muleshoe.

Light brown sandy topsoil	2	2
White river sand	2	4
Caliche and sand	4	8
White sand	5½	13½

Struck water at 13 feet.
Water sample collected.

Well 193

West side of Highway 214, NW¼NE¼ sec. 38, Blk. Y, ¾ mile south of Muleshoe.

	Thickness (feet)	Depth (feet)
Light brown sandy topsoil	1½	1½
Limestone soil	4	5½
White limestone sand	1½	7
Caliche and sand	5	12
Fine sandy caliche	4	16

Water sample collected.

Well 194

West side of Highway 214, SW¼NW¼ sec. 38, Blk. Y, 1 mile south of Muleshoe.

Light brown sandy topsoil	1½	1½
White sand	3½	5
Caliche and fine sand	2	7
White river sand	2	9
Caliche	1	10
Coarse sand and caliche	2	12

Struck water at 10 feet.
Water sample collected.

Well 195

West side of Highway 214, NW¼SE¼ sec. 38, Blk. Y, 1½ miles south of Muleshoe.

Light brown sandy topsoil	1½	1½
Fine white sandy soil	1	2½
Fine white sand	3½	6
White river sand	4	10
Quicksand	1	11

Struck water at 10 feet.
No water sample collected.

Well 196

West side of Highway 214, NE¼NW¼ sec. 37, Blk. Y, 1¾ miles south of Muleshoe.

Light brown sandy topsoil	3½	3½
Fine white sand	4½	8
White river sand	10	18
Fine red sand	1	19
Sandy caliche	3	22

Water sample collected.

Well 197

West side of Highway 214, SE¼NW¼ sec. 37, Blk. Y, 2 miles south of Muleshoe.

Light brown sandy topsoil	3½	3½
Fine yellow sand	1	4½
White river sand	6½	11
Sandy caliche	2½	13½
Clay, sand and caliche	1½	15

Water sample collected.

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

Well 198

West side of Highway 214, NE¼SW¼ sec. 37, Blk. Y, 2½ miles south of Muleshoe.

	Thickness (feet)	Depth (feet)
Light brown sandy topsoil- - -	3	3
Fine sandy clay- - - - - - - -	2½	5½
White river sand- - - - - - -	4½	10
Fine sandy clay- - - - - - - -	1	11
Red sandy clay - - - - - - - -	2½	13½

No water sample collected.

Well 199

West side of Highway 214, center SW¼ sec. 37, Blk. Y, 2½ miles south of Muleshoe.

Light brown sandy topsoil- - -	5	5
Fine white sand- - - - - - - -	5	10
Fine brown sand- - - - - - - -	6	16
Packed clay and sand - - - - -	7	23
Caliche- - - - - - - - - - - -	7	30

No water sample collected.

Well 200

West side of Highway 214, SE¼SW¼ sec. 37, Blk. Y, 2¾ , miles south of Muleshoe.

Light brown sandy topsoil- - -	3	3
Caliche, sand and clay- - - -	4	7
Bluish-yellow packed sand - -	2	9
Fine red sand and clay- - - -	5	14
Fine sandy clay- - - - - - - -	11	25
Caliche, fine sand and clay- -	5	30
Fine sandy caliche- - - - - -	2	32

No water sample collected.

Well 202

West side of Highway 214, northwest corner Labor 15, League 190, Ector C. S. L., 3¾ miles south of Muleshoe.

Light brown, fine sandy topsoil	2½	2½
Fine yellow sand- - - - - - - -	1½	4
Packed yellow sand- - - - - - -	1½	5½
Fine sandy clay- - - - - - - -	1	6½
Caliche and fine sandy clay - -	3½	10
Fine yellow sand- - - - - - - -	5	15
Packed yellow sand- - - - - - -	3	18
Fine red sand- - - - - - - - -	4	22

No water sample collected.

Well 203

West side of Highway 214, center west side Labor 26, League 190, Ector C. S. L., 5 miles south of Muleshoe.

Light brown sandy topsoil- - -	1½	1½
White river sand- - - - - - - -	1	2½
Fine white sand and caliche - -	2½	5
Packed red sand- - - - - - - -	3	8
White river sand - - - - - - -	5	13
Caliche- - - - - - - - - - - -	1	14

Well 206--Continued

	Thickness (feet)	Depth (feet)
Fine red sand- - - - - - - -	2½	16½
Fine sand and caliche pebbles	1½	18
Caliche and sand- - - - - - -	2	20
Fine, light red sand- - - - -	2	22
Dark red sand- - - - - - - - -	15	37
Caliche and fine sand - - - -	3	40
Caliche- - - - - - - - - - - -		40

No water sample collected.

Well 204

West side of Highway 214, NW¼ Labor 6, League 191, Ector C. S. L., 6 miles south of Muleshoe.

Light brown sandy topsoil- -	4½	4½
Catclaw sand- - - - - - - - -	1	5½
Caliche and sand- - - - - - -	½	6
Fine yellow sand- - - - - - -	4	10
Caliche- - - - - - - - - - - -	2	12
Packed yellow sand - - - - - -	5	17

No water sample collected.

Well 206

West side of Highway 214, center west side Labor 16, League 191, Ector C. S. L., 7 miles south of Muleshoe.

Light brown sandy topsoil- -	2	2
Red catclaw sand- - - - - - -	2	4
Sand, caliche and gravel- - -	8	12
Caliche and white sand- - - -	5	17

No water sample collected.

Well 208

Gentle slope, side of county road, north side NW¼ Labor 9, League 188, Ector C. S. L., 6 miles south of Muleshoe.

Light sandy soil- - - - - - -	1	1
Dark clay- - - - - - - - - - -	2	3
Red sand and gravel- - - - - -	4	7
Caliche- - - - - - - - - - - -	4	11
Red sandy clay- - - - - - - -	1	12
Light sand- - - - - - - - - -	13	25
Red sand and clay - - - - - -	4	29
Rock- - - - - - - - - - - - - -		29½

No water sample collected. Oct. 19, 1936.

Well 209

Gentle slope, side of county road, SE¼ SE¼ Labor 9, League 175, Sutton C. S. L., 7 miles southwest of Muleshoe.

Light surface soil- - - - - -	3	3
Dark gumbo and clay - - - - -	4	7
Caliche- - - - - - - - - - - -	10	17
Yellow sandy clay - - - - - -	3	20
Fine red sandy clay - - - - -	4	24

No water sample collected. Oct. 17, 1936.

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

Well 213

Gentle slope, E. K. Warren tract, NE¼ sec. 35, Blk. Y, 1½ miles southwest of Muleshoe.

	Thickness (feet)	Depth (feet)
Very dark sandy soil	2	2
Fine sand	4	6
Sand and little soil	6	12
Caliche and sand	1	13
Sandy clay and caliche	4½	17½

Water level, 17.5 feet below top of ground, ½ hour after hole completed.
No water sample collected. Sept. 24, 1936.

Well 214

Gentle slope, E. K. Warren tract, NE¼NE¼ sec. 18, Blk. Y, 2 miles southwest of Muleshoe.

	Thickness (feet)	Depth (feet)
Dark sandy soil	1	1
Brown sand and soil	3	4
Sandy soil	2	6
Fine white sand	2	8
Sandy caliche and clay	5	13
Caliche and sand	2	15
Rock		15

Water level, 13.8 feet below top of ground, ½ hour after hole completed.
No water sample collected. Sept. 24,1936.

Well 215

Gentle slope, E. K. Warren tract, NE¼NW¼ sec. 18, Blk. Y, 2½ miles west of Muleshoe.

	Thickness (feet)	Depth (feet)
Dark sandy soil	1	1
Sandy caliche and clay	3	4
Caliche	3	7
Sand and caliche	3	10
White sand	1	11
Rock		11

Water level, 10.5 feet below top of ground, ½ hour after hole completed.
No water sample collected. Sept. 24,1936.

Well 216

Side of draw, E. K. Warren tract, NW¼NE¼ sec. 15, Blk. Y, 3 miles west of Muleshoe.

	Thickness (feet)	Depth (feet)
Sandy soil	1	1
Caliche and sand	6	7
Sand and caliche	5½	12½
Rock		12½

Water level, 11.4 feet below top of ground, 15 hours after hole completed.
No water sample collected. Sept. 24,1936.

Well 218

Side of draw, E. K. Warren tract, SW¼NW¼ sec. 15, Blk. Y, 3½ miles west of Muleshoe.

	Thickness (feet)	Depth (feet)
Dark surface soil	1	1
Sand and soil	3	4
Sand	2	6
Sand and caliche	6	12

Water level, 8.5 feet below top of ground, 15 hours after hole completed.
No water sample collected. Sept. 24,1936.

Well 219

Gentle slope, E. K. Warren tract, SW¼NE¼ sec. 9, Blk. Y, 4 miles west of Muleshoe.

	Thickness (feet)	Depth (feet)
Dark sandy soil	1	1
Sandy soil and clay	7	8
White limy sand	9	17

Struck water at 14 feet.
No water sample collected. Sept. 25,1936.

Well 220

Gentle slope, E. K. Warren tract, SW¼NW¼ sec. 9, Blk. Y, 4¾ miles west of Muleshoe.

	Thickness (feet)	Depth (feet)
Sandy soil	2	2
Sand and caliche	2	4
White sand	1	5
White limy sand	5	10
Loose caliche	2	12
Fine white, limy sand	5	17

Water level, 13.7 feet below top of ground, ½ hour after hole completed.
Water sample collected. Sept. 25,1936.

Well 221

Gentle slope, E. K. Warren tract, SE¼NW¼ sec. 6, Blk. Y, 5 miles west of Muleshoe.

	Thickness (feet)	Depth (feet)
Dark surface soil	1	1
Cream-colored dirt	6	7
Fine white sand	3	10
Soft caliche	3	13
Hard caliche		13

Struck water at 12 feet.
No water sample collected. Sept. 25,1936.

Well 222

Gentle slope, E. K. Warren tract, center SW¼ sec. 9, Blk. X, 6½ miles west of Muleshoe.

	Thickness (feet)	Depth (feet)
Light soil and caliche	2	2
Soft caliche	4	6
Caliche and sand	3	9
Red clay and sand	3	12
Caliche and clay	3	15
Caliche and sand	2	17
Rock		17

Water level 16.5 feet below top of ground, ½ hour after hole completed.
No water sample collected. Sept. 25,1936.

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

Well 223

Gentle slope, E. K. Warren tract, SE¼SE¼ sec. 8, Blk. Z, 7½ miles west of Muleshoe.

	Thickness (feet)	Depth (feet)
Soil and sand- - - - - - - -	1	1
Caliche and sand - - - - - -	5	6
Sand and clay- - - - - - - -	4	10
Cream-colored clay and sand-	4	14
Hard rock- - - - - - - - - -		14

No water sample collected. Sept. 25,1936.

Well 229

Flat, side of county road, SE¼SE¼ Labor 20, League 171, Hale C. S. L., 9½ miles southwest of Muleshoe.

Medium sandy loam- - - - - -	2	2
Blue clay- - - - - - - - - -	1	3
Blue clay and gumbo- - - - -	2	5
Fine white sand- - - - - - -	3	8
Coarse yellow clay and sand-	1	9
White clay and caliche- - -	3	12

No water sample collected. Oct. 20,1936.

Well 230

Gentle slope, side of county road, SW¼SW¼ Labor 25, League 175, Sutton C. S. L., 9½ miles southwest of Muleshoe.

Light sandy soil- - - - - - -	2	2
Caliche and sand- - - - - - -	2	4
White sand- - - - - - - - - -	6	10
Dark sandy loam - - - - - - -	1	11
Light yellow sand - - - - - -	3	14
Sandy caliche- - - - - - - -	4	18

No water sample collected. Oct. 20,1936.

Well 231

Hilltop, V. V. N. Ranch, SW¼ Labor 24, League 171, 10½ miles southwest of Muleshoe.

Dark sandy surface soil- - -	4	4
Fine light sand- - - - - - -	11	15

No water sample collected. Oct. 20, 1936.

Well 232

Gentle slope, V. V. N. Ranch, SE¼ Labor 25, League 171, 11 miles south of Muleshoe.

Sandy soil- - - - - - - - - -	4	4
Fine white sand - - - - - - -	7	11
Yellow clay and fine sand - -	11	22

Struck water at 16 feet.
Unable to pick up cuttings at 22 feet.
Water level, 12 feet below top of ground, ¼ hour after hole completed.
No water sample collected. Oct. 20, 1936.

Well 233

Lake bed, V. V. N. Ranch, SE¼ Labor 25, League 171, 11 miles southwest of Muleshoe.

	Thickness (feet)	Depth (feet)
Dark sandy clay and alkali crystals- - - - - - - - -	3	3
White granular gypsum- - -	8	11
Coarse sand and water gravel quartz- - - - - - - - - -	1	12

Struck water at 4 feet.
Water sample collected. Oct. 20, 1936.

Well 237

Flat, V. V. N. Ranch, south side sec. 2, Blk. O, 11 miles west of Muleshoe.

Dark sandy soil- - - - - -	1	1
Brown sandy clay - - - - - -	10	11
Red clay and sand- - - - -	4	15
Coarse brown sand- - - - -	5	20
Red gypsum clay and caliche	6	26

No water sample collected. Dec. 10,1936.

Well 239

Flat, center strip east of sec. 1, Blk. O, 10 miles west of Muleshoe.

Brown sandy soil- - - - - -	1	1
White sand- - - - - - - - -	3	4
Sandy clay- - - - - - - - -	4	8
White sand- - - - - - - - -	2	10
Caliche, clay and gravel- -	2	12
White clay and sand- - - -	6	18
White sand and clay- - - -	4	22
White clay- - - - - - - - -	9	31

Struck water at 13 feet.
Water level, 12.0 feet below top of ground, ½ hour after hole completed.
No water sample collected. Dec. 10,1936.

Well 305

Bottom of small sink, side of county road, north side S ½ sec. 5, Blk. F, 3 miles west of Baileyboro.

Black gumbo- - - - - - - -	4	4
Ash-blue clay- - - - - - -	17	21
Gumbo with little sand - -	2	23
Fine red sand- - - - - - -	5	28

Struck water at 25 feet.
Water level, 24.6 feet below top of ground, 30 days after hole completed.
Water sample collected. Nov. 20, 1936.

Well 306

Gentle slope, side of county road, SE¼ sec. 5, Blk. F, 2¾ miles west of Baileyboro.

Sandy soil- - - - - - - - -	2	2

(Continued on next page)

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

Well 306--Continued

	Thickness (feet)	Depth (feet)
White clay and caliche- - - -	2	4
Red clay and caliche- - - - -	6	10
Light yellow clay and caliche	2	12

No water sample collected. Oct. 21, 1936.

Well 307

Bottom of small sink, side of county road, SE¼ Labor 17, League 169, 2 miles northwest of Baileyboro.

Surface soil- - - - - - - - -	2	2
Clay and caliche- - - - - - -	6	8
Hard rock- - - - - - - - - -		8

No water sample collected. Oct. 21,1936.

Well 309

Top of ridge, W. M. Bell Estate, NE¼SW¼ Labor 18, League 169, 1¾ miles northwest of Baileyboro.

Light sandy soil- - - - - - -	3	3
Light sandy clay and caliche-	9	12
Red clay- - - - - - - - - - -	1	13

No water sample collected. Oct. 21,1936.

Well 315

Gentle slope, side of county road, south side Labor 25, League 177, Motley C. S. L., ½ mile north of Baileyboro.

Dark sandy loam- - - - - - -	3	3
Blue sandy clay- - - - - - -	2	5
Light sandy soil- - - - - -	1	6
Blue-gray limy clay and sand	11	17
Light brownish-yellow clay and gumbo- - - - - - - - -	1	18

No water sample collected. Nov. 20,1936.

Well 316

Gentle slope, side of county road, southwest corner Labor 23, League 177, Motley C. S. L., 1 mile east of Baileyboro.

Dark sandy loam- - - - - - -	6	6
Medium white sand- - - - - -	3	9
Medium yellow sand - - - - -	1	10
Coarse brown sand- - - - - -	5	15

Struck water at 15 feet.
Caves at 15 feet.
Water sample collected. Nov. 19, 1936.

Well 318

Gentle slope, side of county road, southwest corner Labor 18, League 177, Motley C. S. L., 1½ miles northeast of Baileyboro.

Dark sandy loam- - - - - - -	2	2
Ash-colored caliche and rocks	2	4
Sandy clay and caliche gravel	2	6

Well 318--Continued

	Thickness (feet)	Depth (feet)
Caliche and gravel- - - - - -	4	10
Yellow clay and caliche - - -	9	19
Fine brown and yellow sandy clay- - - - - - - - - - - -	4	23
Light yellow clay - - - - - -	2	25

Water level, 22.5 feet below top of ground, 6 hours after hole completed.
No water sample collected. Nov. 20,1936.

Well 319

Gentle slope, side of county road, southeast corner Labor 19, League 177, Motley C. S. L., 2 miles northeast of Baileyboro.

Dark sandy loam- - - - - - -	1	1
Red sand- - - - - - - - - -	3	4
Fine white sand- - - - - - -	6	10
White sand and clay- - - - -	8	18
Red sand and clay- - - - - -	7	25
Fine white sandy clay and gravel - - - - - - - - - -	1	26

Struck water at 25 feet.
No water sample collected. Nov. 20,1936.

Well 320

Gentle slope, side of county road, NW¼NW¼ Labor 25, League 186, Swisher C. S. L., 2⅓ miles east of Baileyboro.

Sandy loam- - - - - - - - -	5	5
Light limy sand and clay- -	2	7
Medium coarse white sand- -	1	8
Medium coarse dark sand and gravel- - - - - - - - -	2	10

No water sample collected. Nov. 20,1936.

Well 325

West side of Highway 214, center of west side Labor 5, League 192, Foard C. S. L., 7 miles northeast of Baileyboro.

Light brown topsoil- - - - -	3	3
Catclaw sand- - - - - - - -	1⅓	4⅓
Caliche and fine white sand-	1½	6
Fine yellow sand- - - - - -	4	10
Packed yellow sand- - - - -	7	17

No water sample collected.

Well 327

Top of ridge, side of county road, 7½ miles northeast of Baileyboro.

Fine light sandy soil- - - -	2	2
Fine red sand- - - - - - - -	7	9
Red sandy clay and caliche -	5	14
Fine red sand- - - - - - - -	2	16

No water sample collected. Oct. 13,1936.

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

Well 328

Side of draw, side of county road, N½NW¼ Labor 3, League 192, Foard C. S. L., 8 miles northeast of Baileyboro.

	Thickness (feet)	Depth (feet)
Dark sandy loam	1	1
Dark gumbo	5	6
Fine yellow sandy caliche and clay	8	14
Fine red sand	9	23
Fine light sand, and clay	9	32

No water sample collected. Oct. 13, 1936.

Well 332

Edge of lake, side of county road, N½NW¼ Labor 5, League 202, Roberts C. S. L., 9 miles northeast of Baileyboro.

Dark sandy loam	2	2
Yellow sandy clay	1	3
Caliche	2	5
Yellow sandy clay and caliche	9	14
Red clay	1	15
Caliche and sandy clay	11	26
Fine yellow sandy clay	4	30

No water sample collected. Oct. 13, 1936.

Well 337

NW¼ Labor 6, League 209, Deaf Smith C. S. L., 10½ miles east of Baileyboro.

Sandy surface soil	2	2
Gray sand	3	5
White caliche and gravel	5	10
Gray caliche and gravel	7	17
Red clay and caliche	8	25
Fine yellow sand	7	32
Red sand	4	36

No water sample collected. Nov. 6, 1936.

Well 339

Side of county road, SE¼SE¼ Labor 20, League 201, Roberts C. S. L., 10 miles east of Baileyboro.

Light sandy soil	2	2
Red sandy soil	2	4
White sandy clay and gravel	3	7
Red sandy clay and gravel	2	9
Light sandy soil and gravel	1	10
Light red sand	6	16
Red sand	3	19
Light red sand	7	26
Gravel, clay and sand	1	27
Rock	½	27½

No water sample collected. Nov. 6, 1936.

Well 340

Bed of lake, O. E. Duncan tract, SW¼ Labor 25, League 209, Deaf Smith C. S. L., 10 miles east of Baileyboro.

	Thickness (feet)	Depth (feet)
Light gumbo and soil	3	3
Red sandy clay	3	6
Light yellow clay and sand	4	10
White sand	3	13

No water sample collected. Nov. 6, 1936.

Well 348

Flat, side of county road, west side of SW¼ Labor 5, League 196, Foard C. S. L., 7 miles southeast of Baileyboro.

Dark soil and clay	4	4
Light sandy clay	2	6
Red clay	4	10
Light gypsum and clay	12	22
Red gypsum, sand and clay	2	24
Light sand, gypsum and clay	2	26
Yellow gumbo and clay	3	29
Sandy clay and gypsum	5	34
Yellow clay, gypsum, little sand	12	46

Struck water at 38 feet.
Water level, 36.4 feet below top of ground, ¼ hour after hole completed.
Water sample collected. Dec. 3, 1936.

Well 349

Gentle slope, U. S. Government land, center N½ Labor 12, League 183, Floyd C. S. L., 6½ miles southeast of Baileyboro.

Dark top soil	4	4
Light yellow clay and gypsum	3	7
Red clay	6	13
Fine red sand	5	18
White sand and gypsum	7	25
White sandy clay and gypsum	3	28

Struck water at 25 feet.
Water sample collected. Dec. 3, 1936.

Well 350

Flat, U. S. Government land, NW¼ Labor 90, League 183, Floyd C. S. L., 6 miles southeast of Baileyboro.

Dark topsoil	4	4
Gray gumbo and gypsum	8	12
Dark gumbo	3	15

No water sample collected. Dec. 3, 1936.

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

Well 351

Side of dune, side of county road, SW¼SW¼ Labor 16, League 195, Foard C. S. L., 6½ miles southeast of Baileyboro.

	Thickness (feet)	Depth (feet)
Light limy gypsum soil	10	10
Dark gumbo and sandy soil	4	14
Light gumbo clay	5	19
Yellow weathered clay	4	23
Yellow gumbo and gypsum crystals	9	32
Dark blue gypsum clay	7	39
Coarse yellow sand	1	40
Tough yellow clay	1	41

Water level, 29.4 feet below top of ground, ¼ hour after hole completed.
No water sample collected. Nov. 24, 1936.

Well 352

Side of dune, U. S. Government land, NW¼ Labor 10, League 195, Foard C. S. L., 6 miles southeast of Baileyboro.

Light gypsum soil	29	29
Dark gypsum clay	14	43

No water sample collected. Dec. 9, 1936.

Well 353

Lake bed, U. S. Government land, NE¼NE¼ Survey 9, League 184, Swisher C. S. L., 6 miles southeast of Baileyboro.

Blue mud	3	3
Light sand, gypsum crystals	1	4
Blue sand, gypsum crystals	12	16
Blue clay	4	20
Rock	½	20½

Struck water at 5 feet.
Water level, 3.1 feet below top of ground, 48 hours after hole completed.
Water sample collected. Nov. 24, 1936.

Well 354

Edge of lake, U. S. Government land, SE¼SE¼ Survey 4, League 184, Swisher C. S. L., 6 miles southeast of Baileyboro.

Light clay	1	1
Light red clay	1	2
Blue gumbo clay	3	5
Blue sandy clay	7	12
Light sandy clay	2	14
Blue gumbo and rock	2	16

Struck water at 9 feet.
Water level, 6.6 feet below top of ground, 48 hours after hole completed,
Water sample collected. Nov. 24, 1936.

Well 356

Edge of draw, side of county road, east side NE¼ Survey 3, League 184, Swisher C. S. L., 5½ miles southeast of Baileyboro.

	Thickness (feet)	Depth (feet)
Surface soil	2	2
Light yellow sandy clay and gravel	3	5
Yellow clay, gypsum and little sand	6	11
Light yellow clay	2	13
Light red sand	3	16
Coarse sand	1	17
White clay and gravel	1	18
Black shale	3	21
Yellow clay and gypsum	1	22
Hard rock		22

No water sample collected. Dec. 4, 1936.

Well 361

Flat, side of county road, SW¼SW¼ Labor 3, League 178, Motley C. S. L., ¾ mile east of Baileyboro.

Sandy loam soil	2	2
Caliche	1	3
Caliche and fine sand	2	5
Fine white sand	4	9
Yellow sandy clay	5	14
Brown clay	5	19
Blue clay	14	33

Struck water at 12 feet.
Water level, 11.7 feet below top of ground, 4 hours after hole completed.
Water sample collected. Nov. 19, 1936.

Well 363

Bed of draw, NE¼ Labor 16, League 178, Motley C. S. L., 1¼ miles south of Baileyboro.

Yellow clay	5	5
Blue clay	10	15
Rock		15

No water sample collected. Nov. 3, 1936.

Well 364

Side of lake, SE¼ Labor 6, League 178, Motley C. S. L., 1½ miles south of Baileyboro.

Yellow clay	3	3
Blue clay	5	8
Rock		8

No water sample collected. Nov. 3, 1936.

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

Well 365

Side of draw, center of Labor 17, League 178, Motley C. S. L., 1½ miles south of Baileyboro.

	Thickness (feet)	Depth (feet)
Blue and gray clay- - - - - -	4	4
White clay and gumbo- - - - -	2	6
Light yellow gumbo and sand -	1	7
Light clay- - - - - - - - - -	5	12

Struck water at 4 feet.
No water sample collected. Nov. 3, 1936.

Well 366

Side of draw, center of Labor 17, League 178, Motley C. S. L., 1½ miles south of Baileyboro.

Blue and gray gumbo- - - - - -	4	4
White gumbo and clay- - - - -	4	8
Yellow gumbo- - - - - - - - -	4	12
Light red gumbo- - - - - - - -	6	18
White gumbo- - - - - - - - - -	6	24

Struck water at 4 feet.
No water sample collected. Nov. 3, 1936.

Well 368

Side of draw, NE¼ Labor 17, League 178, Motley C. S. L., 1¼ miles south of Baileyboro.

Gray gumbo- - - - - - - - - - -	4	4
White gumbo and clay- - - - - -	4	8

Struck water at 4 feet.
No water sample collected. Nov. 3, 1936.

Well 371

Bed of draw, U. S. Government land, NW¼ Survey 12, League 184, Swisher C. S. L., 5 miles southeast of Baileyboro.

Light gravel and clay- - - - -	4	4
Light yellow fine sandy clay -	9	13
Hard rock- - - - - - - - - - -		13

Water level, 6 feet below top of ground, ¼ hour after hole completed.
Water sample collected. Dec. 2, 1936.

Well 374

Bed of draw, U. S. Government land, SE¼ Survey 12, League 184, Swisher C. S. L., 5½ miles southeast of Baileyboro.

Clay and gravel- - - - - - - -	2	2
Blue clay- - - - - - - - - - -	3	5
Yellow clay- - - - - - - - - -	1	6
Dark shale and clay- - - - - -	2	8
Yellow clay and gravel- - - - -	1	9
Dark clay- - - - - - - - - - -	3	12
Yellow clay and gravel- - - - -	1	13
Rock- - - - - - - - - - - - -		13

No water sample collected. Dec. 2, 1936.

Well 375

Side of lake, U. S. Government land, center N½ Labor 7, League 183, Floyd C. S. L., 5½ miles southeast of Baileyboro.

	Thickness (feet)	Depth (feet)
Light clay- - - - - - - - - - -	3	3
Yellow sandy clay- - - - - - -	2	5
Yellow clay and rock- - - - -	3	8

No water sample collected. Dec. 2, 1936.

Well 383

Side of lake, NW¼ sec. 8, Blk. F, 4¾ miles southwest of Baileyboro.

Brownish-yellow shale and clay	4	4
Blue and brown shale, thin layer of limestone- - - - - - - - -	6	10
Black shale- - - - - - - - - -	1	11
Light limy shale, crystals of gypsum and fossils- - - - -	1	12
Dark brown and black shale- -	7	19
Dark brown shale- - - - - - -	2	21
Black shale and clay- - - - -	2	23
Blue shale and clay - - - - -	2	25

No water sample collected. Oct. 28,1936.

Well 384

Side of lake, NE¼ sec. 8, Blk. F, 4½ miles southwest of Baileyboro.

Dark sticky clay.- - - - - - -	5	5
Fine light packed sand- - - -	7	12

Struck water at 7 feet.
No water sample collected. Oct. 28,1936.

Well 385

Side of lake, SE¼ sec. 7, Blk. F, 4¼ miles southwest of Baileyboro.

Soft white clay- - - - - - - -	2	2
Fine sandy soil- - - - - - - -	8	10
Light clay and soil- - - - - -	3	13
Fine yellow sticky sand- - - -	5	18
Fine light sticky sand - - - -	6	24

Struck water at 18 feet.
No water sample collected. Oct. 28,1936.

Well 392

Bed of lake, Orval Fowler lease, SE¼ NW¼ sec. 35, Blk. B, 8 miles west of Baileyboro.

Dark clay and gumbo- - - - -	16	16
Brown clay and gumbo- - - -	3	19
Yellow clay and fine sand- -	8	27
Fine white sand and caliche-	6	33

No water sample collected. Oct. 30,1936.

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

Well 402

Lake bed, side of county road, SW¼SE¼ sec. 45, Blk. C, 14½ miles southwest of Baileyboro.

	Thickness (feet)	Depth (feet)
Sandy soil and caliche	4	4
White, soft caliche and gravel	3	7
Hard caliche		7

No water sample collected. Nov. 4, 1936.

Well 403

Gentle slope, side of county road, SW¼SW¼ sec. 46, Blk. C, 14½ miles southwest of Baileyboro.

Medium surface soil	4	4
White caliche and caliche gravel	4	8
Red clay and caliche gravel	7	15
Hard rock		15

No water sample collected. Nov. 4, 1936.

Well 404

Flat, side of county road, SW¼SE¼ sec. 46, Blk. C, 14 miles southwest of Baileyboro.

Hard surface soil	3	3
Light red caliche gravel	3	6
Fine red sand	1	7
Rock and caliche	1	8

No water sample collected. Nov. 4, 1936.

Well 407

Gentle slope, side of county road, SW¼SW¼ sec. 50, Blk. C, 11½ miles southwest of Baileyboro.

Dark sandy soil	1	1
Light sandy soil	2	3
Sandy caliche	1	4
Caliche	6	10
Sandy caliche	9	19
Hard caliche		19

No water sample collected. Nov.4, 1936.

Well 416

Lake bed, side of county road, SE¼SE¼ Labor 25, League 165, Irion C. S. L., 9½ miles south of Baileyboro.

White caliche and rock	7	7

No water sample collected. Nov. 5, 1936.

Well 417

Flat, side of county road, center of south side Labor 102, League 181, Floyd C. S. L., 9½ miles south of Baileyboro.

Hard surface soil	5	5
White caliche and gravel	2	7
Red caliche clay and gravel	12	19
White caliche and gravel	1	20

No water sample collected. Nov. 5, 1936.

Well 428

Side of draw, side of county road, SW¼NW¼ sec. 22, League 107, Fisher C. S. L., 12½ miles south of Baileyboro.

Dark soil	3	3
Hard caliche rock	7	10

No water sample collected. Dec.21, 1936.

Well 434

Gentle slope, side of county road, SW¼ Labor 110, League 182, Floyd C. S. L., 10½ miles southeast of Baileyboro.

Dark surface soil	3	3
Light surface soil	1	4
Caliche	5	9
Light clay	1	10
Fine white sand	5	15
Caliche and clay	3	18
Clay and caliche	12	30
Clay, caliche and sand	3	33
Sand, clay and gravel	3	36
Limy sand	4	40
Fine light sand	10	50
Coarse yellow sand and quartz gravel and boulders	3	53
Rock		53

Struck water at 50 feet.
Water level, 49. 2 feet below top of ground, 24 hours after hole completed.
No water sample collected. Dec. 14, 1936.

Well 438

Side of draw, NW¼NW¼ sec. 2, League 108, Fisher C. S. L., 12½ miles southeast of Baileyboro.

Dark soil	7	7
Fine red sandy clay	1	8
Brown soil and caliche gravel	8	16
Soil and blue clay	4	20
Light clay, caliche and rock	2	22
Hard rock		22

No water sample collected. Dec. 8, 1936.

Well 440

Bed of draw, SE¼NW¼ sec. 2, League 108, Fisher C. S. L., 13 miles southeast of Baileyboro.

Dark brown soil	15	15
Light weathered clay and caliche	2	17
Blue clay and soil	2	19
Black soil	1	20

No water sample collected. Dec. 8, 1936.

Partial analyses of water from wells in Bailey County, Texas

(Analyzed at The University of Texas 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)
1	B.E. Chaney	126	Oct. 8,1936	391	57	48	15	226	106	54	339
3	Cordell-Eswall	72	do.	530	80	53	30	226	170	86	417
4	Mrs. Annie Myer	84	do.	418	63	48	17	220	122	60	354
5	Tom Radney	92	do.	370	49	45	21	220	87	60	308
10	Albert Ramm	44	do.	379	-	-	-	232	87	42	-
11	Tom Smith	68	Oct.10,1936	374	59	38	23	244	98	36	303
12	do.	40	do.	430	-	-	-	183	134	58	-
15	E.K. Warren Ranch	40	do.	412	46	50	28	201	137	52	321
16	do.	44	do.	459	-	-	-	256	118	52	-
32	W.P.A. test well	17	Jan.16,1937	600	-	-	-	293	170	76	-
34	Progress School	76	Oct.27,1936	335	51	38	18	214	71	52	283
39	W.P.A. test well	12	Jan.18,1937	565	-	-	-	207	197	74	-
40	do.	24	Jan.16,1937	817	-	-	-	366	144	200	-
41	E.R. Mathers	37	Oct.25,1936	612	47	70	71	232	190	120	403
54	W.R. Wilson	55	Oct.27,1936	315	43	38	23	244	45	46	263
56	R.L. Hobbs	76	Sept.24,1936	292	36	34	27	244	45	30	232
57	Mrs. - Barfield	60	do.	395	56	43	29	256	77	64	316
59	W.P.A. test well	25	Nov.18,1936	400	-	-	-	207	118	40	-
61	do.	32	Dec.29,1936	489	-	-	-	360	71	60	-
65	J.L. Wallace	90	Feb. 4,1936	659	50	62	106	317	137	146	378
67	I.W. Harden	49	Sept.23,1936	389	-	-	-	268	73	42	-
72	W.P.A. test well	35	Dec.23,1936	888	-	-	-	305	213	215	-
82	do.	11	Nov.10,1936	2,801	-	-	-	708	1,181	350	-
88	R.W. Tyson	50	Feb. 4,1936	771	60	76	117	433	172	130	464
90	J.F. Gilbreth	80	do.	357	27	13	80	280	55	42	122
102	D.B. Reed	67	Nov. 7,1936	353	-	-	-	252	59	38	-
103	W.M. Wilterding	64	Sept.30,1936	330	-	-	-	244	48	40	-
105	H.M. Gable	94	Jan.10,1936	-	-	-	-	210	24	220	194
108	T.F. Mounce	83	Jan.18,1936	471	63	54	33	287	106	74	378
111	B.H. Nicholson	145	Jan.10,1936	337	56	31	28	258	50	43	268
114	A.J. Watson	54	do.	407	92	32	37	252	58	52	363

Partial analyses of water from wells in Bailey 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)
116	C.B. Huggins	45	Oct. 7,1936	296	-	-	-	275	28	20	-
117	H.L. Dempster	53	Jan. 3,1936	-	-	-	-	210	21	330	194
120	I.F. Wilman	67	Sept.30,1936	287	36	40	19	293	28	20	255
124	S.D. Beller	60	Sept.28,1936	397	43	38	52	275	81	48	263
126	I.W. Harden	40	Feb. 4, 1936	473	43	53	58	305	98	69	322
127	C.A. Reeves	44	do.	476	33	50	90	463	a/	72	286
140	L.L. Lowry	40	Sept.28,1936	449	-	-	-	305	85	50	-
143	C.H. Whitehead	99	do.	361	40	43	41	342	32	37	276
145	E.K. Warren	23	Oct.16,1936	311	-	-	-	305	28	14	-
148	W.P.A. test well	21	Nov. 9,1936	440	53	31	70	323	87	40	259
149	do.	17	do.	526	-	-	-	378	110	38	-
151	Janes Estate	76	Nov.16,1936	274	43	14	43	232	47	13	164
152	do.	62	do.	308	-	-	-	305	20	19	-
153	Mrs. Mamie Smith	59	Nov.13,1936	383	35	39	63	397	31	20	249
156	F.E. Miller	86	Nov.19,1936	543	69	55	50	275	126	108	399
157	Halsell Cattle Co.	-	Dec. 3,1936	382	76	14	55	366	35	22	249
158	- Warren	78	Nov.16,1936	298	-	-	-	268	28	25	-
*168	W.P.A. test well	10	Jan.11,1937	495	-	-	-	354	126	17	-
170	do.	23	do.	295	-	-	-	336	a/	13	-
*182	do.	35	Jan. 4,1937	1,802	-	-	-	262	866	230	-
187	do.	35	Dec.29,1937	4,280	-	-	-	482	1,771	880	-
*201	Halsell Cattle Co.	77	Oct.14,1936	138	-	-	-	140	a/	15	-
205	J.A. Mathis	91	Oct.19,1936	568	72	65	7	299	205	72	445
207	- Whittington	142	do.	524	36	42	86	159	220	62	261
211	A.A. Kuehn Ranch	72	Oct.15,1936	217	62	12	8	232	a/	21	202
212	Halsell Cattle Co.	42	do.	151	-	-	-	122	24	11	-
217	E.K. Warren	20	Sept.24,1936	3,406	235	295	472	390	1,657	555	1,802
224	do.	23	Sept.25,1936	1,746	101	84	384	451	770	185	597
226	A.A. Kuehn Ranch	53	Oct.15,1936	452	-	-	-	281	110	42	-
227	Paul Higginbotham	82	do.	2,034	285	154	166	201	905	425	1,345
228	Hale Co. S. L.	37	Oct.20,1936	575	31	54	116	458	95	54	298
233	W.P.A. test well	12	do.	222,207	1,640	9,600	66,800	281	38,179	105,850	43,603
234	V.V.N. Ranch	25	Dec.10,1936	2,032	-	-	-	305	811	405	-
235	A.A. Kuehn Ranch	91	Oct.15,1936	304	-	-	-	256	39	25	-

a/ Sulphate less than 10 parts per million. *See page 52 for additional test well water analyses.

Partial analyses of water from wells in Bailey 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)
236	V.V.N. Ranch	72	Dec.10,1936	496	98	21	55	342	118	36	333
238	do.	60	Oct. 9,1936	1,114	-	-	-	220	433	205	-
240	do.	43	Dec.10,1936	404	-	-	-	311	79	24	-
241	do.	-	do.	347	41	18	58	171	118	28	176
301	do.	91	Oct.21,1936	898	45	62	182	293	357	108	368
302	do.	240	Nov. 3,1936	148	-	-	-	165	a/	8	-
304	do.	91	Nov.20,1936	1,345	24	19	447	256	354	375	137
305	W.P.A. test well	28	do.	402	-	-	-	268	31	88	-
308	W.M. Bell Estate	58	Oct.20,1936	926	129	45	131	250	308	190	508
310	V.B. Mays	109	do.	1,058	-	4	394	464	312	120	18
312	H.E. Mussen	107	Nov.20,1936	1,668	208	104	231	207	433	590	949
313	do.	650	do.	7,752	11	14	2,920	189	964	3,750	84
314	Hale Co. S. L.	63	do.	1,085	107	62	181	177	383	265	523
316	W.P.A. test well	15	do.	6,081	-	-	-	177	2,118	1,880	-
317	E.W. Miller	13	Jan. 6,1937	373	100	30	35	299	126	52	373
321	G.W. Turpin	86	Oct.19,1936	788	77	39	137	153	328	132	354
322	H.G. Harvey	104	Feb.22,1937	476	56	40	67	232	55	144	305
323	J.E. Hall	139	Dec. 3,1936	507	67	38	68	201	71	164	323
324	M.P. Younger	118	Oct.14,1936	782	160	57	34	256	197	208	635
329	A.L. Davis	141	Oct.13,1936	488	87	25	55	287	134	46	320
331	Rochester Hataway	136	Dec. 3,1936	729	144	40	45	214	295	100	525
333	R.V. Boren	137	Oct.13,1936	624	84	34	84	171	228	110	351
334	Claude Gage	160	do.	496	75	38	51	256	126	80	343
336	- Ralls	149	Nov. 6,1936	622	114	36	53	195	185	138	432
338	Jeff G. Berry	203	do.	501	102	27	47	256	59	140	367
341	E.E. Harper	125	Jan. 6,1937	503	38	27	114	244	94	110	207
342	J.R. Wilson	177	do.	363	45	24	59	268	71	32	210
343	Judge J.M. Gay	280	Dec. 9,1936	1,592	8	4	592	476	354	400	38
344	W.D. Black	230	Nov.11,1936	3,553	53	18	1,232	415	886	1,160	206
345	Paul Bros.	103	Dec. 9,1936	1,138	120	104	124	226	394	285	729
346	C. Robison	152	do.	785	40	60	160	268	213	180	347
347	Paul Brothers	69	Nov.24,1936	1,216	74	118	180	299	457	240	668
348	W.P.A. test well	46	Dec. 9,1936	10,440	-	-	-	220	1,673	5,050	-
349	do.	28	Dec. 3,1936	54,680	-	-	-	268	19,680	17,000	-

a/ Sulphate less than 10 parts per million.

Partial analyses of water from wells in Bailey 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)
353	W.P.A. test well	21	Nov.24,1936	69,384	-	-	-	207	13,697	31,850	-
354	do.	16	Dec.11,1936	29,425	-	-	-	488	12,949	6,740	-
358	V.C. Bass	154	Dec. 2,1936	2,101	29	18	712	354	653	515	146
359	Loyd Davenport	80	do.	635	65	61	82	287	126	160	413
360	G.L. Blackshear	29	Jan. 6,1937	2,738	87	183	603	464	1,102	535	973
361	W.P.A. test well	33	Nov.19,1936	28,668	804	2,415	5,260	262	13,950	6,110	1,194
367	-	Spring	Nov. 3,1936	18,271	458	1,500	3,600	439	7,667	4,830	7,304
369	J.P. Upton	25	Dec. 2,1936	7,495	-	-	-	250	2,598	2,310	-
370	B.J. Robins	80	Nov.24,1936	1,008	68	50	228	317	276	230	376
371	W.P.A. test well	13	Dec. 2,1936	239	-	-	-	159	39	34	-
373	U.S. Government	Spring	Nov.24,1936	619	38	53	126	500	122	34	312
376	I.C. Enochs	-	Nov.19,1936	4,541	87	55	1,460	293	1,535	1,260	444
377	do.	76	do.	436	28	36	80	207	126	64	217
378	J.H. McCarty Est.	160	do.	5,256	201	115	1,540	311	1,397	1,850	976
380	G.F. Shaver	89	Oct.28,1936	431	53	45	38	250	126	46	318
381	L.E. Smith	142	do.	626	6	9	227	390	124	68	52
382	John L. Sears	59	do.	2,304	92	73	587	311	1,144	255	530
386	E.X. Erickson	111	Oct.29,1936	423	53	29	61	220	110	62	250
387	D.E. Glousey	206	Oct.28,1936	306	-	-	-	268	34	24	-
388	F.R. Kopplin	192	do.	321	34	28	48	244	59	32	203
389	F.L. Stegal	140	Oct.30,1936	389	51	26	53	214	114	40	236
391	Temple Trust Co.	140	do.	275	39	26	32	281	28	12	206
393	S.P. Phipps	158	Oct.29,1936	295	60	27	12	238	51	28	262
395	C.W. Williams	256	Nov. 3,1936	1,984	42	20	634	250	765	400	187
396	E.X. Erickson	102	Oct.30,1936	335	50	39	22	275	53	36	284
397	H.H. Gaddy	176	do.	340	39	25	54	226	67	44	200
398	McCelvey Loan & Inv. Co.	146	Nov. 4,1936	321	38	28	43	238	61	34	213
399	W.P. Goodrum	142	do.	428	57	34	48	201	130	60	281
400	McCelvey Loan and Inv. Co.	93	do.	530	36	42	98	256	158	70	261
401	do.	86	do.	652	80	42	72	128	367	28	371
405	do.	125	do.	459	84	27	39	201	146	64	322
406	Frank Daricek	95	Nov. 5,1936	425	62	29	49	201	128	58	273

Partial analyses of water from wells in Bailey 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)
408	E. Schmocker	107	Nov. 4,1936	354	44	26	67	244	67	30	167
409	W.A. Tisdale	95	do.	575	84	56	39	317	200	40	440
410	J.D. Laney	110	Nov. 5,1936	371	46	30	48	232	93	40	238
411	J.C. Mitchell	72	do.	370	55	39	29	293	63	40	299
412	A.E. Robinson	109	do.	363	48	29	44	226	95	36	238
413	J.Y. Roberts	102	do.	371	56	25	47	232	91	38	240
414	Woolsey & Davis	103	Dec. 8,1936	437	54	28	64	226	126	54	253
415	Maple Wilson	107	Nov. 5,1936	372	44	29	56	256	79	38	228
418	Watson School	66	Nov.11,1936	707	51	54	119	183	273	120	348
419	I.C. Enochs	61	Dec.11,1936	397	51	48	30	323	79	30	324
420	do.	99	do.	1,618	45	18	516	299	527	365	186
421	Mrs. J.T. Roy	109	do.	580	51	46	91	250	181	88	319
424	C.R. Woolsey, et al.	133	Dec.8,1936	429	52	31	61	262	118	38	259
427	I.C. Enochs	109	Jan. 5,1937	424	33	32	84	305	79	46	215
429	H.L. Messamore	88	Dec. 7,1936	392	54	27	56	305	79	26	247
431	K.C. Moser	91	Dec. 8,1936	522	54	43	74	268	157	62	311
433	I.C. Enochs	78	Dec. 7,1936	1,930	293	125	168	177	827	430	1,247
435	I.C. Enochs	117	Dec.11,1936	1,429	44	21	448	311	433	330	197
436	W.B. Newsome	-	do.	350	-	-	-	293	47	28	-
437	I.S. Newton	104	Dec. 4,1936	1,649	122	148	249	226	464	555	911
439	F.C. Snitker	105	Dec. 7,1936	391	47	32	55	293	79	34	250
442	Jim Claunch	131	do.	660	84	55	72	244	197	132	435
443	N.E. Hallford	73	do.	432	64	31	56	342	79	34	289
444	Newsome Land Co.	51	do.	386	38	30	66	287	79	32	218
445	C.R. Brown	108	Dec. 4,1936	251	42	36	6	281	16	13	252
446	S.H. Clevenger	84	Dec. 9,1936	597	40	49	105	256	197	80	300
447	Mrs. E. Herring	89	Feb. 7,1936	650	123	38	52	256	197	114	463
448	J.B. Featherstone	195	do.	2,606	20	12	922	323	728	765	97
449	Hulen Clausen	76	do.	300	60	30	12	262	39	30	273

Partial analyses of water from wells in Bailey 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)
161	W.P.A. test well	17	Feb.13,1936	656	87	54	70	293	179	120	440
162	do.	14	do.	393	53	20	63	275	108	12	217
163	do.	17	do.	294	22	46	15	342	24	16	246
173	do.	15	do.	381	59	30	46	372	44	16	274
174	do.	15	do.	365	43	56	25	464	-	9	332
175	do.	15	do.	253	50	11	32	232	32	12	171
177	do.	15	do.	337	55	28	40	378	10	15	254
178	do.	10	do.	297	67	28	11	342	-	20	284
179	do.	11.5	Feb. 10,1936	819	85	69	119	463	189	126	445
180	do.	18	do.	830	62	77	134	421	199	148	470
181	do.	8.5	do.	642	44	71	86	280	185	116	400
190	do.	10.5	Feb. 1,1936	286	71	16	22	324	-	15	286
191	do.	13.5	do.	285	64	28	11	324	-	20	285
192	do.	13	do.	377	63	25	38	312	58	17	262
193	do.	16	Feb. 7,1936	257	24	21	57	294	-	14	155
194	do.	10	do.	252	56	33	2	312	-	15	276
196	do.	22	Feb. 2,1936	262	54	9	15	336	-	16	270
197	do.	15	Feb. 3,1936	317	46	28	25	324	40	16	280

MAP OF BAILEY COUNTY, TEXAS

SHOWING LOCATIONS OF WATER WELLS LISTED

SCALE
0 1 2 3 4 5 6 7 8 MILES

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

- EXPLANATION -

- WELL WITH HAND PUMP, BUCKET OR BAILER
- WELL WITH WINDMILL OR SMALL POWER PUMP
- WELL WITH PUMPING PLANT – 5 HORSE POWER OR LARGER
- WELL DRILLED TO TEST FOR OIL OR GAS
- FLOWING WELL
- UNUSED WELL
- TEST WELL DRILLED BY W.P.A. LABOR
- ESCARPMENT
- SINK

FIELD WORK BY
W. L. BROADHURST
PROJECT SUPERINTENDENT
W.P.A. PROJECT 2070

BASE COMPILED FROM
LAND OWNERSHIP MAP
AND FIELD NOTES