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FLOYD COUNTY, TEXAS

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

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by

W. L. Broadhurst, Joe W. Lang, and G. H. Shafer

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Prepared in cooperation with the Geological Survey, United States Department of the Interior, the Bureau of Industrial Chemistry of The University of Texas, the Resettlement Administration, and the Works Progress Administration ground-water survey project number 5072.

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June 30, 1938

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FLOYD COUNTY, TEXAS

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Introduction

by

Walter N. White

Senior Hydraulic Engineer

United States Department of the Interior
Geological Survey

This release contains records of wells and pumping plants in Floyd County, Texas, together with tables of well logs, and well water analyses, and a map on which all the wells listed are shown, each well being given a number on the map corresponding to the number assigned to it in the well table.

The records were obtained in the course of an investigation in the Texas High Plains comprising a part of state-wide studies of the ground-water resources of Texas. The field work was first started in 1934, a reconnaissance being made in that year and in a part of 1935, covering the southern part of the High Plains in Kansas, Oklahoma, Colorado and New Mexico, as well as in Texas. That investigation was made under the direction of C. V. Theis, Associate Geologist, Geological Survey, United States Department of the Interior, and was supported by an allocation of funds by the Administrator of Public Works. In 1936 considerable data on irrigation from wells in different parts of the Texas High Plains, including a part of Floyd County, were obtained by engineers of the Resettlement Administration. In the spring of 1937 a systematic quantitative study of the ground-water resources of the Texas High Plains was started by the Texas Board of Water Engineers in cooperation with the Geological Survey with funds appropriated by the Texas Legislature and nearly equal amounts contributed by the Federal government. The Works Progress Administration has assisted in this investigation in Floyd County by contributing data on water wells obtained under Project No. 5072 of the Administrative Field Office at Lubbock.

Approximately 80 per cent of the records listed were obtained in the summer and fall of 1937 by W. L. Broadhurst, and Joe W. Lang, in connection with the regular cooperative program. The remainder were obtained by G. H. Shafer during the period December 11, 1937 to March 10, 1938, through the Works Progress Administration project. A part of the irrigation well data gathered by the Resettlement Administration in 1936, has been incorporated in the records.

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. Mr. Shafer studied these samples and compiled the logs.

The analyses were made by chemists employed on Works Progress Administration Project 6507-5112, under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry of The University of Texas, and E. W. Lohr, Chemist of the Quality of Water Division, Geological Survey. This release was typed and assembled by typists employed on the Works Progress Administration project which is sponsored by the Texas Board of Water Engineers, the Geological Survey, and the Bureau of Industrial Chemistry.

Thanks are due to the owners of wells and pumping plants in Floyd County who have given their cordial cooperation and assistance. Several well drillers and representatives of different pump companies also have contributed freely of their information. Acknowledgment is due the office of the Works Progress Administration at Lubbock for their cordial interest and cooperation.

Records of wells in Floyd County, Texas

(All wells are drilled unless otherwise indicated in "Remarks" column.)

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

No.	Distance from Lockney	Section	Survey or Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
1	14½ miles northwest	15, SW ¼ NE ¼	blk. M 14	J. W. Damron	Green Machinery Co.	1936	219	16
2	12½ miles northwest	12, SW ¼ CW ¼	do.	K. Sammann	D. L. Handley	1937	219	16
3	do.	13, NW ¼ NW ¼	do.	T. G. Wortham	--	1933	200	15½
4	do.	14, SW ¼ NE ¼	do.	do.	Green Machinery Co.	1937	220	16
5	11 miles northwest	127, SW ¼ SE ¼	blk. D 2	M. C. Sheele	do.	1936	213	16
6	12 miles north	7, NW ¼ SW ¼	blk. M 14	A. M. Dietrich	D. L. Handley	1936	224	16
7	11½ miles north	125, SW ¼ NW ¼	blk. D 2	C. R. Veigel	-- Witt	1937	193	16
8	12 miles north	2, NW ¼ SW ¼	blk. M 14	Wyatt McLaughlin	F. Moore	1936	200	16
9	15 miles north	NE ¼ SW ¼	G. W. Robbins tract	Ernest Lovvorn	-- Casebolt	1937	230	15½
10	12 miles north	1, NE ¼ NE ¼	blk. M 14	Mrs. Tommie Manning	Green Machinery Co.	1936	218	--
11	11½ miles north	1, NW ¼ SW ¼	do.	Charlie Merrick	do.	1935	198	18
12	11 miles north	124, NW ¼ NE ¼	blk. D 2	J. B. Stevenson	do.	1935	200	16
13	10½ miles north	124, NW ¼ SE ¼	do.	L. A. Moore	Buck Patton	1937	296	14
14	10 miles north	5, SE ¼ SW ¼	G.C. & S.F.R.R. sur., blk. C 9	Herman R. King	--	--	77	8
15	11 miles north	5, NW ¼ NW ¼	do.	W. B. Hatchet	Buck Patton	1936	222	14
16	do.	5, NW ¼ NE ¼	do.	Herman R. King	D. L. Handley	1936	227	16
17	11½ miles north	27, NE ¼ SW ¼	A.B. & M. sur., blk. B 4	S. A. L. Morgan	Green Machinery Co.	1936	215	--
18	13 miles north	28, NE ¼ NE ¼	do.	Mrs. W. S. Mercer	F. L. Moore	--	--	14
19	12 miles north	26, SE ¼ NE ¼	do.	Geo. Meriwether	John Griffith	1937	200	--
20	11½ miles north	26, NE ¼ SW ¼	do.	Tom McGehee	F. L. Moore	1936	215	14
21	10½ miles north	3, SW ¼ NW ¼	G.C. & S.F.R.R. sur., blk. C 9	W. T. Rankin	do.	1937	185	16
22	10 miles north	3, SW ¼ SE ¼	do.	T. J. Word	do.	1936	196	16
23	10½ miles north	2, NW ¼ SW ¼	do.	G. C. Applewhite	Green Machinery Co.	1935	216	18
24	11 miles north	2, NE ¼ NW ¼	do.	do.	Peerless Pump Co.	1936	220	18

a/ Measuring point was usually top of casing, top of pump base, or top of water pipe clamp; it was above ground level unless below ground indicated by minus (-) sign.

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

Records obtained by G. H. Shafer, W.P.A. Project Superintendent,
and by W. L. Broadhurst and Joe W. Lang, Texas Board of Water Engineers
(Chemical analyses of water from these wells are in the table of analyses.)

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Yield, gallons a minute	Acres irrigated in 1937	Remarks
		Depth below measuring point (ft.)	Date of measurement					
1	1	59.4	May 31, 1937	T,G, 85	I	800 Est/	160	Reported drilled to "Red Beds".
2	1.1	62.7	do.	T,G, 85	I	950 Est/	255	Reported drawdown, 35 feet. See log.
3	0.5	63.7	do.	T,O, 50	I	900 Est/	286	Reported drawdown, 35 feet.
4	0.5	61.6	do.	T,O, 50	I	800 Est/	145	Reported trouble with quicksand.
5	1	51.8	June 1, 1937	T,G, 85	I	900 Est/	102	Water level, 48 feet in 1936, by Resettlement Administration.
6	--	--	--	T,G, 85	I	1,000 R/	240	On gentle slope.
7	1.4	67.1	June 1, 1937	T,G, 85	I	1,000 R/	260	Cased from 54 to 150 feet.
8	1.5	70.4	do.	T,G, 50	I	1,000 Est/	160	Reported drawdown, 25 feet after 24 hours pumping.
9	1.2	72.5	Sept. 15, 1937	T,G, 80	I	1,200 R/	75	Well on gentle slope.
10	--	63	e/	T,G, 85	I	637 M/	340	Drawdown, 12 feet; by Resettlement Administration.
11	--	--	--	T,G, 85	I	980 M/	265	Drawdown, 5 feet; by Resettlement Administration.
12	--	--	--	T,G, --	I	800 R/	171	See log.
13	--	--	--	T,G, 85	I	900 Est/	190	Pump set at 110 feet.
14	5.5	59.7	May 12, 1937	None	N	--	--	Well on edge of sink.
15	--	--	--	T,G, 85	I	1,100 R/	160	Pump set at 110 feet.
16	1.5	70.1	Sept. 22, 1937	T,G, 85	I	800 R/	203	Pump set at 130 feet.
17	--	--	--	T,G, 85	I	700 R/	420	Well on gentle slope.
18	--	--	--	T,G, 85	I	--	--	Located in Briscoe County.
19	--	--	--	T,G, --	I	--	218	Well on flat land.
20	--	80	e/	T,G, 85	I	800 R/	138	Well on top of ridge. Reported drawdown, 20 feet.
21	--	--	--	T,G, 85	I	800 R/	300	Pump set at 110 feet.
22	--	--	--	T,G, 85	I	800 R/	218	Do.
23	--	--	--	T,G, 85	I	900 R/	334	Well on top of ridge.
24	--	--	--	T,G, 85	I	1,000 R/	250	Well on gentle slope.

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

d/ Est, estimated; R, reported; M, measured.

e/ Water level reported.

Records of wells in Floyd County--Continued

No.	Distance from Lockney	Section	Survey or Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
25	12½ miles north	22, SE¼NW¼	A.B. & M. sur., blk. B 4	Artie Baker	Baker Pump Co.	1936	292	--
26	do.	22, NW¼SE¼	do.	E. M. Lawson	--	1937	226	15
27	12 miles north	15, NE¼SW¼	do.	Dorsy Baker	Baker Pump Co.	1937	--	--
28	9½ miles north	3, SW¼SW¼	G.C. & S.F.R.R. sur., blk. D 1	J. C. Anderson	--	Old	105	4
29	10½ miles north	10, NW¼NW¼	G.C. & S.F.R.R. sur., blk. C 9	J. B. True	W. D. Casebolt	1937	232	16
30	10 miles north	9, NE¼NW¼	do.	J. T. Hudson	Baker Pump Co.	1937	260	--
31	9½ miles north	9, NE¼SE¼	do.	Herman R. King	D. L. Handley	1936	217	--
32	9 miles north	12, NW¼NE¼	do.	Frank Whitfill	Green Machinery Co.	1937	215	16
33	do.	12, SW¼NE¼	do.	T. Z. Reed	--	1936	202	--
34	8 miles north	20, SW¼NW¼	do.	Robert Smith, Jr.	Campbell & Fish	1937	236	14
35	7½ miles north	17, SE¼NE¼	do.	R. C. Underwood	--	--	--	--
36	8½ miles north	13, SW¼NW¼	do.	R. W. Smith, Sr.	F. L. Moore	1936	182	16
37	9½ miles north	8, NW¼SE¼	do.	Mrs. J. H. Phillips	Campbell & Fish	1937	245	16
38	do.	7, NW¼SE¼	do.	S. A. L. Morgan	Green Machinery Co.	1936	200	--
39	do.	6, SE¼NW¼	do.	Mrs. J. T. Farboe	Baker Pump Co.	1937	195	15
40	9 miles north	15, NE¼NW¼	do.	T. V. Rankin	Campbell & Fish	1937	202	15
41	do.	14, NW¼NW¼	do.	J. W. Sheperds	--	--	--	--
42	8½ miles north	14, NW¼SW¼	do.	L. T. Bourland	Green Machinery Co.	1935	196	16
43	do.	103, NW¼NW¼	blk. D 2	T. E. Cowart	Baker Pump Co.	1937	200	16
44	10 miles north	123, NW¼NE¼	do.	R. J. McLaughlin	--	--	--	--
45	10½ miles north	122, NW¼NW¼	do.	Mrs. T. L. Dorsett	Campbell & Fish	1937	206	14
46	9½ miles north	122, SW¼SW¼	do.	C. R. Veigel	F. L. Moore	1937	209	16
47	10½ miles northwest	121, NE¼SW¼	do.	K. Sammann	D. L. Handley	1934	210	16
48	do.	120, SW¼SE¼	do.	Plainview-Lockney Farms	Lynn Olivo	1937	215	16
49	11½ miles northwest	119, SW¼NE¼	do.	Ben Brandes	D. L. Handley	1935	220	16
50	10½ miles northwest	108, NW¼SW¼	do.	G. R. Street	Green Machinery Co.	1936	212	16
51	10 miles northwest	98, NE¼NE¼	do.	Ralph Brown	Bradford Supply Co.	1937	210	16

Records obtained by G. H. Shafer, W. L. Broadhurst and Joe W. Lang

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Yield, gallons a minute	Acres irrigated in 1937	Remarks
		Depth below measuring point (ft.)	Date of measurement					
25	1.2	91.7	Sept. 22, 1937	T, G, 85	I	900 R/	257	Pump set at 110 feet; 122 feet of suction pipe.
26	--	--	--	T, G, 85	I	900 R/	114	Well on flat land.
27	--	--	--	T, G, 85	I	--	--	Well on gentle slope.
28	-0.5	97.2	May 13, 1937	C, W	N	--	--	Located on south bank of small draw.
29	1.0	98.7	Sept. 22, 1937	T, G, 85	I	1,000 R/	90	Pump set at 140 feet; 29 feet of suction pipe.
30	1.5	93	June 11, 1937	T, G, 85	I	--	280	Well on flat land.
31	1.6	97.2	do.	T, G, 85	I	1,000 R/	165	Well on gentle slope.
32	0.2	89.6	do.	T, G, --	I	800 R/	65	Pump set at 110 feet; 25 feet of suction pipe.
33	1.5	92.7	do.	T, G, 85	I	--	331	Pump set at 120 feet; 29 feet of suction pipe.
34	--	78	e/	T, O, 50	I	900 R/	180	Pump set at 130 feet. Reported drawdown, 27 feet.
35	0.4	61.4	May 2, 1936	C, W	D, S	--	--	Well on rolling land.
36	--	--	--	T, G, 85	I	800 R/	143	Pump set at 110 feet; 65 feet of suction pipe.
37	--	--	--	T, G, 85	I	1,000 R/	152	Pump set at 110 feet; 61 feet of suction pipe.
38	--	--	--	T, G, 85	I	--	230	Well on gentle slope.
39	--	--	--	T, G, 85	I	1,000 R/	178	Pump set at 110 feet. Reported drawdown, 27 feet after 1
40	--	70	e/	T, G, 80	I	1,200 R/	255	Pump set at 110 feet; <u>hour.</u> 69 feet of suction pipe. Re-
41	0.8	64.8	May 2, 1936	C, W	D, S	--	--	Well <u>ported</u> drawdown, 27 feet. on flat land.
42	--	--	--	T, G, 85	I	800 R/	270	Pump set at 96 feet; 30 feet of suction pipe.
43	--	--	--	T, G, 80	I	1,000 R/	237	Pump set at 100 feet; 33 feet of suction pipe.
44	1.3	63.1	May 5, 1936	C, W	S	--	--	Seldom used. Well on gentle slope.
45	1.2	59.9	June 1, 1937	T, G, 85	I	800 R/	137	Reported drawdown, 25 to 30 feet after 4 hours.
46	1.5	62.2	do.	T, G, 85	I	900 R/	255	Well on flat land. 8-inch column pipe.
47	1.4	59.8	do.	T, G, 85	I	800 R/	274	Reported drawdown, 20 feet after 8 hours.
48	1.3	59.2	do.	T, G, 85	I	1,000 R/	208	Pump set at 120 feet. See log.
49	1.5	55.4	June 1, 1937	T, G, 50	I	1,000 R/	300	Well on flat land.
50	1.2	54.8	do.	T, G, 50	I	1,000 R/	405	Do.
51	1.5	53.3	do.	T, G, 50	I	1,000 R/	167	Reported drawdown, 40 feet after 24 hours.

Records of wells in Floyd County--Continued

No.	Distance from Lockney	Section	Survey or Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
52	10 miles northwest	99, NW $\frac{1}{4}$ NW $\frac{1}{4}$	blk. D 2	Ralph Brown	--	1935	210	--
53	9 $\frac{1}{2}$ miles northwest	99, NW $\frac{1}{2}$ SE $\frac{1}{4}$	do.	Ben O. Quebe	-- Mullins	1936	205	15 $\frac{1}{2}$
54	3 $\frac{1}{2}$ miles northwest	90, NE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	Taylor Golden	Cook & Pate	1934	221	--
55	8 miles northwest	89, SW $\frac{1}{2}$ NE $\frac{1}{4}$	do.	Ben O. Quebe	D. L. Handley	1935	200	--
56	3 $\frac{1}{2}$ miles northwest	100, SW $\frac{1}{2}$ SE $\frac{1}{4}$	do.	do.	-- Mullins	1930	212	16
57	7 $\frac{1}{2}$ miles northwest	87, NE $\frac{1}{2}$ NW $\frac{1}{4}$	do.	T. L. Wilhite	--	--	--	--
58	7 miles north	86, SW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	T. H. Boedecker	D. L. Handley	1936	227	16
59	6 $\frac{1}{2}$ miles northwest	80, SW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	R. L. Brown	J. C. Cook	1935	219	14
60	6 miles northwest	80, NW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	do.	Buck Patton	1936	265	14
61	do.	61, SW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	do.	-- Altman	1937	250	--
62	5 $\frac{1}{2}$ miles north	60, SE $\frac{1}{2}$ NW $\frac{1}{4}$	do.	C. H. Huffman	Green Machinery Co.	1935	227	15
63	do.	60, NW $\frac{1}{2}$ SE $\frac{1}{4}$	do.	W. O. Speck	D. L. Handley	1937	240	16
64	do.	60, SW $\frac{1}{2}$ NE $\frac{1}{4}$	do.	William Wood	-- Fish	1937	237	14
65	do.	59, SW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	France Baker	Baker Pump Co.	1937	200	16
66	5 miles north	59, SW $\frac{1}{2}$ SE $\frac{1}{4}$	do.	Ruby Merrick	John Griffith	1937	204	16
67	6 $\frac{1}{2}$ miles north	84, NW $\frac{1}{2}$ NE $\frac{1}{4}$	do.	P. L. Buth	F. L. Moore	1935	189	16
68	do.	83, SW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	Plainview-Lockney Farms	Buck Patton	1937	286	--
69	6 miles north	83, SW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	Joe McCollum	do.	1937	240	--
70	do.	58, NW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	J. S. Drennan	--	1936	258	16
70a	do.	do.	do.	do.	--	Old	--	4 $\frac{1}{2}$
71	do.	57, NW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	Plainview-Lockney Farms	--	1936	103	22
72	6 miles north	57, NW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	do.	M. A. Patton	1936	260	16
73	5 $\frac{1}{2}$ miles north	57, SW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	First National Bank of Lockney	Baker Pump Co.	1936	250	--
74	7 miles northeast	81, SW $\frac{1}{2}$ NE $\frac{1}{4}$	do.	W. H. Johnson	-- Gorman	1937	208	14
75	8 $\frac{1}{2}$ miles northeast	20, NE $\frac{1}{2}$ NE $\frac{1}{4}$	G.C.& S.F.R.R. sur., blk. C 9	Irvin Bennett	--	--	123	--
77	10 miles northeast	3, SW $\frac{1}{2}$ SE $\frac{1}{4}$	G.C.& S.F.R.R. sur., blk. D 1	-- Johnson	--	--	150	4 $\frac{1}{2}$

Records obtained by G. H. Shafer, W. L. Broadhurst and Joe W. Lang

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Yield, gallons a minute	Acres irrigated in 1937	Remarks
		Depth below measuring point (ft.)	Date of measurement					
52	1.2	53.4	June 1, 1937	T,G, 50	I	900 Est/	300	Pump set at 80 feet.
53	0.8	50.7	June 3, 1937	T,G, 50	I	900	265	Reported drawdown, 30 feet after 8 hours.
54	1.3	56.2	do.	T,G, 85	I	820 M/	270	Drawdown, 28.6 feet after 12 hours.
55	0.8	59.9	do.	T,O, 50	I	728 M/	370	Drawdown 22 feet. Pump set at 100 feet.
56	--	--	--	T,O 50	I	1,000 R/	295	Pump set at 100 feet; 80 feet of suction pipe.
57	0.8	60.9	May 3, 1937	C,W	D	--	--	Well on rolling land.
58	--	--	--	T,G, 85	I	900 R/	288	Pump set at 90 feet; 128 feet of suction pipe.
59	1.5	63.9	Apr. 28, 1936	T,G, 85	I	650 R/	200	Drawdown, 46 feet.
60	--	--	--	T,G, 85	I	800 R/	200	Pump set at 100 feet.
61	--	--	--	T,G, 85	I	--	--	Pumps sand. Well on gentle slope.
62	--	70	e/	T,G, 80	I	750 R/	255	Pump set at 108 feet; 56 feet of suction pipe. See log.
63	--	--	--	T,G, 55	I	800 R/	79	Pump set at 110 feet; 115 feet of suction pipe.
64	--	73	e/	T,G, 80	I	1,000 R/	50	Pump set at 130 feet; 26 feet of suction pipe.
65	--	--	--	T,G, 85	I	800 R/	290	Pump set at 130 feet; 30 feet of suction pipe.
66	--	75	e/	T,G, 85	I	800 R/	255	Pump set at 110 feet; 17 feet of suction pipe.
67	--	--	--	T,G, 80	I	800 R/	432	Pump set at 100 feet; 41 feet of suction pipe.
68	1.0	75.5	June 10, 1937	T,G, 85	I	600 Est/	215	Pump set at 120 feet; 100 feet of suction pipe.
69	2.0	91.5	do.	T,E, 40	I	800	243	Electric motor installed, Sept. 1937.
70	--	--	--	T,G, 85	I	--	205	Pump set at 120 feet; 113 feet of suction pipe.
70a	0	74.2	May 1, 1936	C,W	D,S	--	--	Located west of irrigation well. Well on flat land.
71	0	81.8	June 11, 1937	None	N	--	--	Crooked hole; new well now drilled 100 yards east. Well
72	1.8	83.7	May 13, 1937	T,G, 85	I	622 M/	223	Well clean- on rolling land. ed out; now pumps approximately 900 gallons a minute.
73	1.0	80.8	Sept. 24, 1937	T,E, 40	I	900 R/	317	Well on gentle slope. Pump set at 130 feet.
74	--	--	--	T,G, 80	I	800 R/	185	Drawdown, 40 feet. Pump set at 130 feet.
75	0.3	110.5	Dec. 10, 1937	C,W	D,S	--	--	Well on flat land. Reported strong supply.
77	1.0	117.6	Dec. 18, 1937	C,W	D,S	--	--	No cut off; water level measured while pumping.

Records of wells in Floyd County--Continued

No.	Distance from Lockney	Section	Survey or Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
78	11½ miles northeast	1, SW¼SE¼	G.C.& S.F. R.R. sur., blk. D 1	J. H. Fowler	--	--	138	--
79	12½ miles northeast	14, NE¼SE¼	A.B.& M. sur., blk. B 4	do.	Dave Loughborough	--	123	6
80	14 miles northeast	10, NW¼SE¼	do.	Sim Reeves	-- Watkins	1893	110	4½
81	11½ miles northeast	13, SE¼SE¼	G.C.& S.F. R.R. sur., blk. D 1	T. J. Welsh	--	--	172	10
82	10½ miles northeast	16, SE¼SW¼	do.	R. C. Bennett	--	--	146	--
85	9½ miles northeast	5, NE¼SE¼	do.	--	--	--	129	--
86	7 miles northeast	36, NE¼NE¼	do.	Mason Davis	Glen Griffith	--	146	--
87	8½ miles northeast	34, SE¼NE¼	do.	A. R. Meriwether	--	1937	183	--
101	8½ miles northwest	67, NW¼SE¼	blk. D 2	G. E. Tannahill, Jr.	Green Machinery Co.	1935	200	15½
102	8 miles northwest	18, NW¼NE¼	blk. D 5	L. P. Cox	Jim Cook	1935	200	14
103	7½ miles northwest	13, NW¼SW¼	do.	T. L. & D. Co.	T. L. & D. Co.	Old	--	--
104	8 miles northwest	66, SW¼NW¼	blk. D 2	Mrs. C. C. Adams	Bradford Supply Co.	1937	202	15½
105	7 miles northwest	65, SW¼NW¼	do.	T. L. & D. Co.	T. L. & D. Co.	1915	294	24
106	do.	65, NE¼NW¼	do.	do.	do.	1916	286	24
107	do.	65, SW¼NE¼	do.	do.	do.	1914	277	18
108	6½ miles northwest	65, NW¼SE¼	do.	do.	do.	1914	278	24
109	do.	65, NE¼SW¼	do.	do.	do.	Old	--	16
110	do.	65, SE¼SW¼	do.	do.	do.	Old	63	16
111	7 miles northwest	65, SW¼SW¼	do.	do.	do.	1914	278	18
112	7 miles northwest	12, NW¼NW¼	blk. D 5	do.	do.	1914	281	18
113	6 miles northwest	12, NE¼SW¼	do.	do.	do.	1915	305	24
114	6½ miles northwest	12, NE¼NW¼	do.	West Texas Cotton Oil Co.	do.	1913	216	16
115	do.	12, NW¼NE¼	do.	do.	do.	1913	281	18
116	6 miles northwest	12, NW¼SE¼	do.	do.	do.	1914	220	16
117	5½ miles northwest	7, NW¼SW¼	do.	do.	J. A. Asher	1937	330	18

Records obtained by G. H. Shafer, W. L. Broadhurst and Joe W. Lang

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Yield, gallons a minute	Acres irrigated in 1937	Remarks
		Depth below measuring point (ft.)	Date of measurement					
78	0.2	123.4	Dec. 18, 1937	C,W	S	--	--	Well on slope to dry lake.
79	0.2	115.5	Dec. 15, 1937	None	N	--	--	Well on flat land.
80	-2.8	96.9	Dec. 18, 1937	C,W	D,S	--	--	Well near edge of dry lake. Water level measured while
81	2.0	158	Dec. 15, 1937	C,W	D,S	--	--	Well near edge of dry lake. <u>pumping.</u>
82	1.2	135.8	Dec. 18, 1937	C,W	D,S	--	--	Well on slope toward draw.
85	0.9	120.7	Dec. 16, 1937	C,W	N	--	--	Do.
86	0.8	130.8	Dec. 15, 1937	C,W	D,S	--	--	Well on gentle slope.
87	1.2	172.3	Dec. 16, 1937	C,W	S	--	--	Well on flat land.
101	--	--	--	T,G, 50	I	800 R/	145	Pump set at 84 feet. Cased from water level to bottom.
102	--	42	e/	T,G, 85	I	960 M/	75	Cased from water level to bottom. Drawdown, 27 feet
103	--	--	--	T,O, 35	I	--	70	Well on flat land. <u>after 2 hours.</u>
104	--	--	--	T,G, 85	I	700 R/	330	Well on sloping ground. Pump set at 90 feet.
105	--	--	--	T,O, 60	I	900 R/	139	Water level, 50 feet, Dec. 1, 1915.
106	1.4	58.2	Dec. 2, 1937	T,O, 60	I	800 R/	--	See well 105 for 1937 irrigation. Water level, 53 feet,
107	--	--	--	T,O, 60	I	--	156	Pump lowered <u>March 14, 1916.</u> in 1937. Water level, 49 feet, January 21, 1914.
108	0.5	58.3	Mar. 29, 1938	T,E, 40	I	--	--	Drawdown, 50 feet after 12 hours. Electric Motor in-
109	2.0	57.8	Oct. 28, 1937	None	N	--	--	Well on <u>stalled, March 1938.</u> flat land.
110	2.0	57.3	do.	None	N	--	--	<u>Filled to within 63 feet of surface.</u>
111	1.0	52.5	Jan. 4, 1938	T,G, --	I	--	--	Reported fails when well 0.6 mile east pumps one-half day. Water level, 46 feet. 1914.
112	1.1	52.1	June 11, 1937	T,O, 60	I	800 R/	148	Well on flat land. Water level, 48.5 feet in 1914.
113	0.3	56.6	Apr. 28, 1936	T,O, 60	I	--	147	Well fails late in season when well 0.6 mile northeast
114	--	--	--	T,Ng, 60	I	1,000 R/	120	Well weakens at <u>is pumping.</u> end of season. New pump set-
115	--	52	e/	T,E, 100	I	2,000 Est/	745	Drawdown, 83 <u>ting, 130 feet.</u> feet after 14 days <u>pumping.</u>
116	--	--	--	T,E, 50	I	600 R/	--	New <u>Pump set at 150 feet.</u> pump setting, 130 feet. Drawdown, 75 feet after sev-
117	0.4	64.2	Sept. 28, 1937	T,E, 100	I	1,700 Est/	--	Gravel- <u>eral days pumping.</u> walled from surface to 287 feet. Well increasing in <u>yield.</u>

Records of wells in Floyd County--Continued

No.	Distance from Lockney	Section	Survey or Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
118	5 miles northwest	7, SW $\frac{1}{4}$ SE $\frac{1}{4}$	blk. D 5	West Texas Cotton Oil Co.	Cook & Pate	1935	219	16
119	do.	6, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Guy Ramsey	Baker Pump Co.	1937	268	--
120	4 $\frac{1}{2}$ miles northwest	1, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Frances Carthel	F. L. Moore	1937	210	15 $\frac{1}{2}$
121	4 $\frac{1}{4}$ miles northwest	1, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Carl Ferguson	Buck Patton	1936	245	16
122	do.	1, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	W. A. Carthel	Green Machinery Co.	1935	171	14
123	do.	1, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	B. R. Carthel	do.	1937	--	--
124	3 $\frac{1}{2}$ miles northwest	50, SW $\frac{1}{4}$ SW $\frac{1}{4}$	blk. D 2	Rosalee Carthel	--	--	50	6
125	4 $\frac{1}{2}$ miles north	51, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	M. S. Tannahill	Green Machinery Co.	1936	256	16
126	do.	52, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Don Griffith	John Griffith	1937	220	16
127	do.	52, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	John Griffith	do.	1936	206	16
128	do.	52, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	C. A. Griffith	do.	1937	208	16
129	do.	53, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Leo Cooper	Peerless Pump Co.	1936	246	14
130	3 miles north	45, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	C. C. McDowell	do.	1937	235	--
131	do.	do.	do.	do.	--	Old	68	6
132	2 $\frac{3}{4}$ miles northeast	40, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	M. D. Arterburn	E. Sossaman	1937	189	16
133	2 $\frac{1}{2}$ miles north	43, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Paul Cooper	Peerless Pump Co.	1936	200	16
134	2 miles north	43, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Ed Whitfill	D. L. Handley	1937	250	18
135	2 $\frac{1}{4}$ miles north	46, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	H. A. Brotherton	Green Machinery Co.	1935	220	16
136	2 $\frac{1}{4}$ miles northwest	49, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	F. A. Cuyas	--	1936	--	--
137	2 $\frac{3}{4}$ miles north	49, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	John Belt	F. L. Moore	1935	175	16
138	3 miles northwest	49, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	John T. Carthel	Green Machinery Co.	1934	201	11 $\frac{1}{2}$
139	do.	2, SE $\frac{1}{4}$ SE $\frac{1}{4}$	blk. D 5	T. L. & D. Co.	T. L. & D. Co.	Old	--	26
140	3 $\frac{1}{2}$ miles northwest	2, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	do.	Old	--	--
141	4 miles northwest	5, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	A. P. Shugart	M. A. Patton	1936	300	14
142	4 $\frac{1}{2}$ miles northwest	8, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	T. L. & D. Co.	T. L. & D. Co.	1915	274	24

a/ Measuring point was usually top of casing, top of pump base, or top of water pipe clamp; it was above ground level unless below ground indicated by minus (-) sign.
 b/ T, turbine; C, cylinder; G, gasoline; W, windmill; O, oil; E, electric; Ng, natural gas; H, hand; number indicates horsepower.

Records obtained by G. H. Shafer, W. L. Broadhurst and Joe W. Lang

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Yield, gallons a minute	Acres irrigated in 1937	Remarks
		Depth below measuring point (ft.)	Date of measurement					
118	--	61	e/	T, E, 75	I	1,200 R/	--	Pump set at 110 feet. Draw-down, 45 feet after several
119	--	--	--	T, G, 85	I	900 R/	175	Pump set at 100 feet; 101 feet of suction pipe. days pumping.
120	1.3	57.4	June 10, 1937	T, G, 85	I	900 R/	142	Pump set at 100 feet. Enough gas in well to burn while being developed.
121	--	--	--	T, G, 85	I	1,000 R/	291	Well on gentle slope.
122	--	--	--	T, G, 85	I	800 R/	204	Pump set at 84 feet; 80 feet of casing from water level
123	--	--	--	T, G, --	I	800 R/	92	Well at top of ridge. down.
124	0.7	40.3	June 11, 1937	None	N	--	--	Located on north edge of "grass covered depression."
125	--	--	--	T, G, 50	I	900 R/	200	Pump set at 108 feet. Reported drawdown, 40 to 45
126	--	--	--	T, G, 85	I	900 R/	200	Pump set at 120 feet. feet. 100 feet casing at top.
127	--	--	--	T, G, 85	I	800 R/	181	Well on gentle slope.
128	--	76	e/	T, G, 85	I	800 R/	103	64 feet of perforated casing from water level.
129	--	--	--	T, G, 85	I	800 R/	404	Pumped steadily for 61 days.
130	1.3	76.9	June 10, 1937	T, G, 85	I	900 Est/	270	Well at top of ridge.
131	0.3	66.7	do.	None	N	--	--	Located 0.15 mile south of irrigation well.
132	1.2	76.3	Sept. 24, 1937	T, G, 85	I	800 Est/	65	Well on gentle slope.
133	--	70	e/	T, E, 30	I	800 R/	413	Reported drawdown, 50 feet after 2 days pumping.
134	--	--	--	T, O, 50	I	1,200 R/	355	Well on flat land.
135	--	--	--	T, E, 30	I	800 R/	250	Do.
136	--	--	--	T, E, 30	I	800 R/	130	Electric submersible motor.
137	--	--	--	T, G, --	I	800 R/	86	Well at top of ridge. Cased from water level to 100 feet.
138	--	--	--	T, E, 30	I	900 R/	309	Cased from 60 feet to 104 feet. See log.
139	0.3	57.9	June 11, 1937	None	N	--	--	Filled above water level. April, 1938.
140	0.5	53.1	Mar. 29, 1938	T, G, 85	I	800 R/	71	Well on sloping ground.
141	--	62	e/	T, G, 50	I	900 R/	400	Pump set at 100 feet; 145 feet of suction pipe.
142	--	--	--	T, O, 40	I	1,000 R/	89	Well on gentle slope.

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

d/ Est, estimated; R, reported; M, measured.

e/ Water level reported.

Records of wells in Floyd County--Continued

No.	Distance from Lockney	Section	Survey or Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
143	5 miles northwest	8, NW $\frac{1}{4}$ SW $\frac{1}{4}$	blk. D 5	Plainview-Lockney Farms	T. L. & D. Co.	1913	274	24
144	do.	8, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	L. W. Landrum	do.	1913	218	12 $\frac{1}{2}$
145	5 $\frac{1}{2}$ miles northwest	8, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	J. W. Jennings	do.	1913	212	12
146	do.	11, SE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	W. H. Reue	do.	1915	--	--
147	do.	11, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	W. A. Griffith	do.	1913	205	24
148	6 $\frac{1}{2}$ miles west	14, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	E. Q. Perry	do.	1914	--	--
149	6 $\frac{1}{2}$ miles northwest	14, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	do.	1914	--	--
150	7 miles northwest	14, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	M. S. Gholson	do.	1914	210	26
151	7 miles west	14, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	C. M. Smith	do.	1914	--	--
152	do.	16, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	O. M. Cox	--	1937	210	15 $\frac{1}{2}$
152a	do.	16, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	--	--	--	4 $\frac{1}{2}$
153	6 $\frac{1}{2}$ miles west	15, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	T. L. & D. Co.	T. L. & D. Co.	Old	275	24
154	do.	15, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	do.	Old	--	--
155	6 miles west	15, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	G. M. Tate	do.	1914	278	18
156	do.	15, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	T. L. & D. Co.	do.	1914	278	18
157	do.	10, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	do.	1916	286	24
158	5 $\frac{1}{2}$ miles west	10, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	do.	1916	288	24
159	5 $\frac{1}{2}$ miles west	10, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	do.	do.	1916	279	24
160	do.	10, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	do.	1916	316	24
161	do.	10, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	do.	1916	315	24
162	4 $\frac{3}{4}$ miles west	9, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Ben Whitfill	Green Machinery Co.	1937	150	16
163	4 miles west	9, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	B. B. Wilkes	-- Gorman	1937	206	14
164	4 miles northwest	9, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Mrs. J. E. Linenfelser	-- Fish	1937	252	16
165	3 $\frac{1}{2}$ miles west	4, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	B. B. Wilkes	D. L. Handley	1937	244	16 $\frac{1}{2}$
166	3 $\frac{1}{2}$ miles northwest	4, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	J. A. Miller	Green Machinery Co.	1936	203	--
167	3 miles northwest	3, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Sam Howell	do.	1935	194	15

Records obtained by G. H. Shafer, W. L. Broadhurst and Joe W. Lang

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Yield, gallons a minute	Acres irrigated in 1937	Remarks
		Depth below measuring point (ft.)	Date of measurement					
143	0.2	61.2	June 11, 1937	T,G, 85	I	850 R/	140	Well on flat land. Pump set at 60 feet.
144	0	66.8	Sept. 14, 1937	T,O, 40	I	1,000 R/	118	Pump set at 90 feet. Water level, 55 feet in 1913.
145	--	--	--	T,O, 60	I	1,200 R/	220	Pump set at 90 feet; original setting, 67 feet.
146	--	--	--	T,G, --	I	750 R/	50	Well on flat land.
147	--	--	--	T,O, 25	I	800 R/	132	Do.
148	0	52	May 4, 1936	T,O, 60	I	--	307	Not used in 1936.
149	--	--	--	T,O, --	I	--	--	Well at top of ridge. See well 148 for irrigation in 1937.
150	2.0	48	June 7, 1937	None	N	--	--	Well on flat land.
151	--	--	--	T,O, 40	I	--	162	Well on gentle slope.
152	1.3	53	June 4, 1937	T,G, 85	I	900 R/	333	Well on flat land. Pump set at 90 feet.
152a	0.3	52.8	May 4, 1936	C,W	D,S	--	--	Well on flat land.
153	0.5	54.1	May 26, 1937	T,O, 45	I	1,000 R/	33	Do.
154	--	--	--	T,O, 60	I	--	95	Do.
155	0.8	54.2	Apr. 27, 1936	T,Ng, 85	I	1,000 R/	79	Pump set at 90 feet.
156	1.3	55.2	Apr. 30, 1937	T,O, --	N	--	--	Well on flat land.
157	1.3	58.3	May 26, 1937	T,O, 60	I	800 R/	75	Water level, 47 feet, 1916.
158	--	--	--	T,O, 40	I	--	45	Pump set at 75 feet. 4 wells located within 150 yards and affect each other while pump-
159	--	--	--	T,O, --	I	--	40	Well at top of ridge. ing.
160	--	--	--	T,O, --	I	--	44	Do.
161	0.4	61.2	May 26, 1937	T,Ng, 50	I	1,000 R/	--	Do.
162	--	--	--	T,G, 80	I	900 R/	223	Pump set at 90 feet.
163	1.0	63.5	Oct. 29, 1937	T,E, --	I	900 R/	None	Well on flat land.
164	--	54	e/	T,G, 85	I	900 R/	101	Drawdown, 38 feet. Pump set at 100 feet; 61 feet of suc-
165	--	--	--	T,E, --	I	900 R/	235	Well on flat land. tion pipe.
166	--	--	--	T,G, 85	I	900 R/	253	Do.
167	--	--	--	T,G, --	I	800 R/	153	Pump set at 84 feet.

Records of wells in Floyd County--Continued

No.	Distance from Lockney	Section	Survey or Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
168	2½ miles northwest	3, SW¼SE¼	blk. D 5	Albert Thomas	Green Machinery Co.	1935	205	14
169	do.	3, SE¼NE¼	do.	do.	T. L. & D. Co.	1914	--	--
170	2 miles northwest	48, SW¼NE¼	blk. D 2	W. J. Griffith	Green Machinery Co.	1934	200	15½
171	1½ miles northwest	48, NW¼SE¼	do.	W. H. Counts	--	1935	--	--
172	1½ miles north	47, SW¼NW¼	do.	W. J. Griffith	Green Machinery Co.	1937	200	16
173	do.	47, SE¼SE¼	do.	C. J. Taylor	D. L. Handley	1937	263	16
174	do.	42, NW¼SW¼	do.	do.	do.	1936	250	--
175	2 miles northeast	41, SW¼NW¼	do.	A. A. & E. J. Thomas	--	1937	--	16
176	5¼ miles northeast	35, SW¼NW¼	do.	V. C. Nichols Est.	--	--	125	4½
177	6 miles northeast	31, NE¼NE¼	do.	Roseland School	--	--	180	--
178	7 miles northeast	38, NE¼NW¼	G.C. & S.F. R.R. sur., blk. D 1	D. W. Bybee	John Griffith	1933	166	10
179	7½ miles northeast	26, SW¼SE¼	blk. D 2	George Harper	--	--	190	4
201	14½ miles northeast	4, SW¼SW¼	A.B. & M. sur., blk. B 4	D. G. Garland	--	1925	225	6
202	15 miles northeast	89, NW¼SE¼	G.C. & S.F. R.R. sur., blk. G M	-- Howard	--	--	180	4½
203	17½ miles northeast	96, NW¼NE¼	do.	Ivey J. Moon	--	--	262	4½
204	21½ miles northeast	110, NW¼NE¼	T. & P. R. R. sur., blk. 4	J. A. Taylor	T. M. Baumgarner	1929	60	--
205	22 miles northeast	110, SE¼SE¼	do.	W. H. Davis	--	--	71	6
206	do.	104, SE¼NE¼	do.	Edgin School	--	--	105	5
207	23 miles northeast	96, SE¼NW¼	do.	H. C. Kell	--	--	110	4½
208	22 miles northeast	100, NW¼NW¼	do.	E. W. Tibbetts	Doc. Thomas	Old	49	4½
209	20½ miles northeast	107, NE¼NE¼	do.	W. W. Merrill	W. W. Merrill	1917	17	5
210	20 miles northeast	107, SE¼NW¼	do.	-- Howard	--	--	Spring	--
211	23 miles east	97, SE¼SE¼	do.	J. T. Persons	-- Thomas	--	108	--
212	22½ miles east	98, NW¼SE¼	do.	Sebastian Skinner	--	--	65	4½
213	23 miles east	cen.	H. M. Welch sur.	H. M. Welch	T. Baumgarner	1929	62	4½
214	14½ miles northeast	70, NW¼SW¼	G.C. & S.F. R.R. sur., blk. G M	Howard Bros.	--	--	Spring	--

Records obtained by G. H. Shafer, W. L. Broadhurst and Joe W. Lang

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Yield, gallons a minute	Acres irrigated in 1937	Remarks
		Depth below measuring point (ft.)	Date of measurement					
168	--	60	e/	T,G, --	I	800 R/	140	Pump set at 84 feet.
169	--	--	--	T,O, --	I	--	87	Well on flat land.
170	--	54	e/	T,E, 30	I	900 R/	275	Submersible electric motor. Reported drawdown, 40 feet.
171	--	--	--	T,G, --	I	--	80	Well on gentle slope.
172	--	--	--	T,G, --	I	700 R/	--	Pumped for about one week in 1937.
173	--	--	--	T,E, 30	I	800 R/	145	Pump set at 120 feet.
174	1.2	69.5	June 10, 1937	T,E, 30	I	800 R/	418	Pump set at 90 feet.
175	--	--	--	None	N	--	--	Insufficient water for irrigation. "Red Beds" and gypsum
176	0.4	114.7	May 13, 1937	C,W	N	--	--	Well on top of encountered hill.
177	0.3	158.2	Dec. 22, 1937	C,W	N	--	--	Well on flat land.
178	1.0	153	Dec. 16, 1937	C,W	D,S	--	--	Well on flat land. Irrigates small garden.
179	0.8	185.6	Dec. 22, 1937	C,W	N	--	--	Vacant house, mill not used for several weeks.
201	--	--	--	C,W	D,S	--	--	Well on flat land. Unable to measure.
202	0.9	172.7	Dec. 29, 1937	C,W	S	--	--	Located 300 yards east of dry lake.
203	3.5	254.9	do.	C,W	D,S	--	--	Located 300 yards west of the edge of escarpment.
204	3.5	4.65	Dec. 30, 1937	C,W	D,S	--	--	Well at base of scarp. Reported drilled in rock to bottom.
205	1.8	38.7	do.	C,H	D,S	--	--	Well at base of scarp. tom.
206	1.9	81.6	Dec. 31, 1937	C,W	P	--	--	Pumping level 98.78. 17 foot recovery in one hour.
207	2.8	108.3	do.	C,W	D,S	--	--	Limited supply. Mill running when measurement taken. Well
208	2.5	47.9	do.	C,W	D,S	--	--	Do. near edge of draw.
209	0.2	12.2	Dec. 30, 1937	None	N	--	--	Located in creek bottoms.
210	--	Flows	do.	None	S	--	--	Numerous seeps from sand in bed of creek.
211	0.3	97.4	do.	C,W	D,S	--	--	Weak supply. Water level while pumping, 103 feet. Water level rose $4\frac{1}{2}$ feet in 20 minutes when mill shut off.
212	0.7	53.1	do.	None	N	--	--	Well on floor of valley. Tower standing; no mill.
213	2	53	Dec. 28, 1937	C,W	D,S	--	--	Reported strong supply.
214	--	Flows	do.	None	S	--	--	Numerous seeps from banks and bed of creek.

Records of wells in Floyd County--Continued

No.	Distance from Lockney	Section	Survey or Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
224	14½ miles northeast	84, NW¼NW¼	T. & P. R. R. sur., blk. 4	W. D. Beedy	John Griffith	1936	250	4
230	11 miles northeast	20, NW¼NW¼	G.C. & S.F. R.R. sur., blk. D 1	J. D. Childress	-- Worthington	1900	163	4
232	10 miles northeast	29, SW¼NW¼	do.	City of South Plains	D. L. Handley	--	181	6
233	8 miles east	22, NW¼NW¼	blk. D 2	E. F. Springer	--	--	206	4½
234	9½ miles east	20, SW¼NW¼	do.	P. M. Smitherman	--	--	186	4½
235	10 miles east	16, SW¼NE¼	do.	J. V. Gilley	--	--	195	--
236	11½ miles east	4, SE¼SW¼	do.	H. B. Early	--	--	213	4½
237	16 miles east	28, SW¼SE¼	G.C. & S.F. R.R. sur., blk. G M	B. F. Harper	--	--	385	4½
238	18½ miles east	18, SW¼NW¼	do.	P. Gilbert	--	--	226+	4½
239	20½ miles east	16, SW¼NW¼	do.	C. C. Hawkins	-- Todd	--	299+	4½

No.	Distance from Floydada	Section	Survey or Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
301	10 miles north	42, NW¼SW¼	blk. D 3	Mrs. H. S. Bolin	--	--	160	4½
302	do.	40, NE¼NE¼	do.	Liberty School	--	1921	170	--
303	do.	43, SE¼SW¼	do.	M. Whitfill	--	1917	173	4½
304	11 miles north	44, NW¼NW¼	do.	Paul Box	--	--	190	4½
305	11½ miles northeast	36, NE¼NE¼	do.	Jack Lackey	John Griffith	--	190	5
306	do.	31, NW¼SE¼	do.	Geo. Meriwether	--	--	240	4½
307	14 miles northeast	21, SW¼SW¼	do.	Pete McDonald	--	--	360	4½
308	16½ miles east	SE¼	L. H. Lewis sur.	Mrs. L. H. Lewis	--	Old	45	5
309	16½ miles east	S¼	J. P. Drace sur.	do.	--	--	Spring	--
314	14 miles east	119, NW¼E¼	blk. D 3	Matador Cattle & Land Co.	Exp. Co.	1928	4,008	--
315	13 miles east	118, NW¼NE¼	do.	A. T. Swetston	-- Jackson	1921	280	4½

a/ Measuring point was usually top of casing, top of pump base, or top of water pipe clamp; it was above ground level unless below ground indicated by minus (-) sign.
 b/ T, turbine; C, cylinder; G, gasoline; W, windmill; O, oil; E, electric; Ng, natural gas; H, hand; number indicates horsepower.

Records obtained by G. H. Shafer, W. L. Broadhurst and Joe W. Lang

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Remarks
		Depth below measuring point (ft.)	Date of measurement			
224	1.0	203	Jan. 1, 1938	C,W	D,S	Reported strong supply. Pump set at 235 feet.
230	3	154.3	Dec. 20, 1937	C,W	D,S	Reported strong supply. Mill pumping slowly when measurement taken.
232	--	166	e/	C,G, 10	P	Reported yield, 50 gallons a minute. Pumps air at 50 gallons a minute.
233	1.2	192.6	Dec. 22, 1937	C,W	N	Iron casing. Supplies concrete storage vat.
234	0	178.1	Dec. 27, 1937	None	N	Well on flat land.
235	0.7	181.7	do.	C,W	D,S	Do.
236	0.8	207.8	Dec. 28, 1937	C,W	D,S	Mill pumping when measurement taken.
237	1.3	237.3	Dec. 27, 1937	C,W	D,S	Reported strong supply. Irrigates small garden. Well is near rim of "Cap rock."
238	--	226+	do.	C,W	S	Well near edge of dry lake. Obstructed at 226 feet.
239	1	290.6	Dec. 28, 1937	C,W	D,S	Reported strong supply. Well is close to rim of "Cap rock". Mill pumping when measurement taken.

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Remarks
		Depth below measuring point (ft.)	Date of measurement			
301	1	148.5	Jan. 13, 1938	C,W	D,S	Reported strong supply. Few joints of casing at top and few at bottom.
302	--	--	--	C,W	P	Located 0.5 mile southwest of well 303.
303	0.2	163.5	Jan. 10, 1938	None	N	Reported strong supply in 1917, gradually became weaker and finally failed.
304	--	179.2	Jan. 13, 1938	C,W	D,S	Reported weakens during irrigation season.
305	1.2	164.5	do.	C,W	D,S	Reported strong supply. Iron casing. Mill shut off only short while when meas-
306	--	225	e/	C,W	D,S	Well at edge of lake. Re- ported strong supply. <u>urement taken.</u>
307	2	263.9	Jan. 13, 1938	C,W	D,S	Reported strong supply. 320 feet of casing. Mill shut off several hours when
308	--	--	--	C,W	D,S	Reported strong supply. <u>measurement taken.</u> Seeps located 1/2 mile east.
309	--	Flows	Jan. 27, 1938	None	S	Numerous seeps from banks and sand in bed of creek.
314	--	--	--	None	N	Oil test.
315	--	240	e/	C,W	D,S	Used by school. Originally drilled to 375 feet, but now sanded up. Reported encountered gas when drilled.

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

d/ Est, estimated; R, reported; M, measured.

e/ Water level reported.

Records of wells in Floyd County--Continued

No.	Distance from Floydada	Section	Survey or Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
316	11 miles northeast	104, SE $\frac{1}{2}$ SE $\frac{1}{4}$	blk. D 3	J. M. Hicks	--	--	257	4 $\frac{1}{2}$
317	8 $\frac{1}{2}$ miles northeast	90, SW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	Fairview School	--	--	298	4 $\frac{1}{2}$
318	do.	79, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	C. F. Thorne	--	Old	200	--
319	9 miles north	56, NE $\frac{1}{2}$ NE $\frac{1}{4}$	do.	B. R. Lybrand	--	Old	160	5
320	7 $\frac{1}{2}$ miles north	81, SW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	Baptist Gen'l Conv. of Tex.	D. L. Handley	Old	160	4 $\frac{1}{2}$
321	do.	84, SE $\frac{1}{2}$ NE $\frac{1}{4}$	do.	S. Clements	--	--	147	8
322	6 miles north	10, SW $\frac{1}{2}$ NE $\frac{1}{4}$	blk. T	H. R. Patterson	--	1933	100	--
323	5 miles northeast	24, NW $\frac{1}{4}$ NE $\frac{1}{4}$	A. B. & M. sur., blk. 1	Center School	--	--	179	--
324	$\frac{3}{4}$ mile east	66, SW $\frac{1}{2}$ NE $\frac{1}{4}$	do.	W. O. Golden	--	--	132	6
325	2 miles east	68, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	W. C. Simms	C. Y. Gorman	1937	320	14
326	do.	do.	do.	do.	-- Sassaman	1937	--	14
327	5 $\frac{1}{2}$ miles northeast	41, SW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	T. M. Carter	--	1926	190	5 $\frac{1}{2}$
328	6 miles northeast	20, SE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	W. W. Baxter	B. Steen	1923	187	4 $\frac{1}{2}$
329	7 $\frac{1}{2}$ miles northeast	16, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Mrs. S. H. Rushing	do.	Old	300	--
330	6 $\frac{1}{2}$ miles east	42, SE $\frac{1}{2}$ SW $\frac{1}{4}$	do.	Campbell School	--	Old	190	--
331	8 $\frac{1}{2}$ miles east	44, SW $\frac{1}{2}$ SE $\frac{1}{4}$	do.	P. M. Smith	--	--	225	--
332	10 miles east	10, SW $\frac{1}{2}$ SE $\frac{1}{4}$	do.	J. H. Farmer	--	Old	250	4 $\frac{1}{2}$
333	12 miles east	47, SE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	Fred Zimmerman	--	--	250	5
334	14 miles east	10, SE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	-- Hammond Est.	--	--	268	5
335	14 $\frac{1}{2}$ miles east	1, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	--	1932	300	6
Distance from Lockney								
401	6 $\frac{1}{2}$ miles west	39, NE $\frac{1}{2}$ SE $\frac{1}{4}$	blk. D 6	Geo. Whitfield	--	Old	66	6
402	6 miles west	42, SE $\frac{1}{2}$ NW $\frac{1}{4}$	do.	J. C. Thomas	Green Machinery Co.	1935	192	16
403	6 $\frac{1}{2}$ miles west	41, SW $\frac{1}{2}$ W $\frac{1}{2}$	do.	W. H. Crawford	Buck Patton	1935	350	18
404	7 miles west	22, NW $\frac{1}{2}$ NW $\frac{1}{4}$	blk. N	T. L. & D. Co.	T. L. & D. Co.	1914	279	26
405	6 $\frac{1}{2}$ miles west	22, NW $\frac{1}{2}$ NE $\frac{1}{4}$	do.	George Garms	Homer Garms	1937	162	12
406	do.	22, SE $\frac{1}{2}$ SW $\frac{1}{4}$	do.	T. L. & D. Co.	T. L. & D. Co.	1914	279	24

Records obtained by G. H. Shafer, W. L. Broadhurst and Joe W. Lang

No.	Height measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Remarks
		Depth below measuring point (ft.)	Date of measurement			
316	2.5	234.4	Jan. 10, 1938	C,W	D,S	Well on flat land. Reported strong supply.
317	--	--	--	C,W	P	Reported strong supply. Few joints of casing at the top.
318	--	180	e/	C,W	D,S	Reported strong supply. No casing.
319	3.5	153.6	Jan. 11, 1938	C,W	D,S	Well at edge of sink. Reported strong supply. Not cased to bottom.
320	0.8	141	Jan. 12, 1938	C,W	D,S	Reported strong supply. One joint of casing at the top and four at bottom.
321	0.3	139.3	do.	None	N	Well on flat land. Derrick standing.
322	0.5	75.9	do.	C,W	S	Reported soda water; water level higher than surrounding wells.
323	--	133	e/	C,W	P	Well on gentle slope. Reported strong supply.
324	0.6	123.5	June 15, 1937	None	N	Well on flat land.
325	--	110	e/	None	N	Insufficient water for irrigation. See log.
326	1.5	151.9	Nov. 9, 1937	T,O, 100	N	Reported yield, 500 gallons a minute. Breaks suction with 5-stage pump set at 290
327	1.4	166.5	Jan. 26, 1938	C,W	N	Not pumped since [] feet. Now unused, 1935. Cased from top to bottom.
328	1.2	156.7	do.	C,W	D,S	Well on flat land. Reported strong supply.
329	--	--	--	C,W	D,S	Reported strong supply. Irrigates small garden. No casing.
330	1	176.9	Jan. 26, 1938	C,W	P	Reported strong supply. Located 0.1 mile west of dry lake. No casing.
331	0.5	206.1	Jan. 28, 1938	C,W	N	Well on flat land. No casing.
332	2.8	232.4	do.	C,W	D,S	Reported strong supply. Irrigates small garden. Sand in well gives trouble. Cased
333	0.9	240.4	do.	C,W	N	Well on gentle slope. [] to bottom.
334	1.9	263.5	do.	C,W	S	Well on slope toward dry sink. Iron casing.
335	3.3	260.7	do.	C,W	S	Heavy casing at top.
401	0.5	55.9	June 4, 1937	None	N	Well on gentle slope.
402	--	52	e/	T,G, 85	I	Reported yield, 1,000 gallons a minute. Irrigated 285 acres in 1937. Pump set at
403	--	--	--	T,G, 85	I	Reported yield, 750 [] 72 feet. See log, gallons a minute. Irrigated 255 acres in
404	1.8	54.3	Apr. 27, 1936	T,O, 40	I	Irrigated 150 acres in 1937. Pump [] 1937. set at 75 feet.
405	0	47.9	Nov. 2, 1937	None	N	Drilling deeper, November, 1937.
406	--	--	--	T,O, --	I	Irrigated 95 acres in 1937. Well on gentle slope. Pump set at 75 feet.

Records of wells in Floyd County--Continued

No.	Distance from Lockney	Section	Survey or Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
407	6½ miles west	22, SW¼SE¼	blk. N	T. L. & D. Co.	T. L. & D. Co.	1914	279	24
408	5½ miles west	23, SW¼NE¼	do.	W. E. Taack	E. Sassaman	1937	188	16
408a	do.	do.	do.	do.	--	--	--	--
409	5 miles west	24, NW¼NW¼	do.	T. L. & D. Co.	T. L. & D. Co.	1914	278	18
410	5½ miles west	44, SW cor. W½	blk. D 6	W. C. McGrede	do.	1913	283	18
411	5 miles west	43, NE¼SW¼	do.	T. L. & D. Co.	do.	1913	206	24
412	do.	43, NW¼SE¼	do.	Geo. Meriwether	--	1936	160	14
413	4½ miles west	46, NW¼NW¼	do.	Fred L. Lam	T. L. & D. Co.	1913	282	18
414	do.	46, SW¼NW¼	do.	Mrs. H. B. Robbins	do.	1913	227	--
415	do.	46, NW¼SW¼	do.	T. L. & D. Co.	do.	1915	257	20
416	do.	46, NE¼SW¼	do.	Johnnie Spears	do.	1913	213	16
417	do.	45, NW¼NW¼	do.	Tom Weeks	D. L. Handley	1936	251	16
418	4 miles west	45, NW¼NE¼	do.	B. N. Ralph	Peerless Pump Co.	1937	231	15
419	3½ miles west	47, SW¼NW¼	do.	F. L. Brown	Bryan Kimball	1937	245	16
420	2½ miles west	47, SE¼SE¼	do.	C. A. Gloyna	D. L. Handley	1937	--	--
421	3½ miles west	48, NW¼NW¼	do.	W. W. Cooper	T. L. & D. Co.	1913	260	24
422	do.	48, SW¼NW¼	do.	E. J. Yearout	do.	1913	--	--
423	do.	48, NW¼SW¼	do.	T. L. & D. Co.	do.	1915	270	20
424	do.	48, SW¼SW¼	do.	W. W. Cooper	do.	1916	277	24
425	do.	NW¼	Callahan C.S.L., J.J. Roberts tract	E. D. Shure	do.	1915	268	24
426	4 miles southwest	NW cor.	Callahan C.S.L., G.R. Griggs tract	T. L. & D. Co.	do.	1915	--	--
427	3½ miles southwest	NE cor.	do.	do.	do.	1915	276	20
428	do.	NW cor.	Callahan C.S.L., F. Griggs tract	do.	do.	1914	210	72
429	2 miles west	49, SW¼SE¼	blk. D 6	H. B. Handley	D. L. Handley	1934	205	18
430	2½ miles west	49, NW¼NW¼	do.	F. F. Farrar Est.	J. C. Cook	1936	200	14
431	do.	50, NW¼SW¼	do.	John Hodel	J. Salson	1937	250	16

Records obtained by G. H. Shafer, W. L. Broadhurst and Joe W. Lang

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Yield, gallons a minute	Acres irrigated in 1937	Remarks
		Depth below measuring point (ft.)	Date of measurement					
407	--	--	--	T, O, --	I	--	128	Well on gentle slope. Pump set at 75 feet.
408	--	--	--	T, G, 80	I	--	300	Well at top of ridge. Pump set at 100 feet. See log.
408a	3.5	53.7	June 17, 1936	None	N	--	--	Well at top of ridge.
409	0.8	52.4	Apr. 29, 1937	T, G, 30	I	--	20	Well on flat land.
410	1.5	51.8	Apr. 30, 1937	T, G, 85	I	900 <u>R/</u>	122	New pump and motor installed in 1937.
411	--	--	--	None	N	--	--	Hole covered. Steel casing.
412	--	--	--	T, E, 30	I	800 <u>R/</u>	403	Well on flat land.
413	0.3	58.3	May 11, 1936	T, G, --	I	--	30	Pump set at 70 feet. Water level, 50 feet in 1913.
414	0.5	61.5	Mar. 29, 1938	T, O, 40	I	650 <u>R/</u>	80	Pump set at 55 feet. Water level, 49.5 feet in 1913. Reported pumps dry.
415	0.7	58.8	May 11, 1936	T, O, 40	I	800 <u>R/</u>	61	Water level, 50.5 feet in 1915.
416	--	--	--	T, O, 45	I	700 <u>Est/</u>	106	Pump set at 55 feet.
417	--	--	--	T, G, 85	I	700 <u>Est/</u>	219	Pump set at 80 feet. Reported drawdown, 25 feet.
418	--	--	--	T, G, 60	I	700 <u>Est/</u>	110	Well on flat land.
419	--	--	--	T, G, 80	I	900 <u>R/</u>	103	Well on gentle slope.
420	--	--	--	T, G, 85	I	--	80	Pump set at 80 feet.
421	0.9	58.8	June 7, 1937	T, G, 40	I	800 <u>Est/</u>	140	Drawdown, 27 feet, measured Apr. 30, 1937.
422	0	56.3	Apr. 30, 1937	T, O, 25	I	700 <u>R/</u>	37	Well on flat land.
423	--	--	--	T, O, 35	I	--	40	Pump set at 70 feet.
424	--	42	e/	T, G, --	I	800 <u>R/</u>	32	Do.
425	--	44	e/	T, G, --	I	800 <u>R/</u>	160	Pump set at 75 feet.
426	--	--	--	T, O, --	I	1,000 <u>R/</u>	150	Drawdown, 40 feet.
427	--	--	--	T, O, 40	I	750 <u>R/</u>	75	Pump set at 70 feet.
428	2.5	51.5	Mar. 29, 1938	T, O, 40	I	700 <u>R/</u>	64	Pump set at 65 feet. Water level, 42.7 feet in 1914.
429	--	--	--	T, E, 25	I	700 <u>R/</u>	170	Pumping cost \$466.00 for 1937. Pump set at 70 feet.
430	--	58	e/	T, G, 85	I	800 <u>R/</u>	235	Drawdown, 23 feet. Pump set at 120 feet.
431	1.3	67.5	June 10, 1937	T, G, 50	I	900 <u>R/</u>	270	Drawdown, 20 feet. Pump set at 110 feet. Drilled to "Red Beds".

Records of wells in Floyd County--Continued

No.	Distance from Lockney	Section	Survey or Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
432	2 miles west	50, NW $\frac{1}{4}$ SE $\frac{1}{4}$	blk. D 6	Fred Hage	Campbell & Fish	1937	250	14
433	2 $\frac{1}{2}$ miles northwest	50, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Vera Rogers	Green Machinery Co.	1935	205	14
434	1 $\frac{1}{2}$ miles southwest	NE $\frac{1}{2}$	Callahan C.S.L., J.N. Bradley tract	J. L. Suits	--	1937	--	--
435	do.	cen.	Callahan C.S.L., L.C. Reed Tract	Home Owners Loan Corp.	--	1925	130	22
436	1 mile south	SE $\frac{1}{4}$	Callahan C.S.L., J.H. Lockney tract	--	--	--	62	6
437	1 mile southeast	NW $\frac{1}{4}$ SW $\frac{1}{4}$	Callahan C.S.L., J.F. Lockney tract	Lockney Oil Mill Co.	--	Old	55	5
438	In Lockney	--	Callahan C.S.L.,	City of Lockney	D. L. Handley	1927	282	16
439	3 miles west	NW $\frac{1}{4}$	Callahan C.S.L., W.F. Smith tract	O. J. Schacht	T. L. & D. Co.	1913	--	72
441	1 $\frac{1}{2}$ miles northeast	50, NW $\frac{1}{4}$ NW $\frac{1}{4}$	blk. D 3	Federal Land Bank	--	1937	--	16
442	1 $\frac{3}{4}$ miles east	51, SW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Solon Clements	--	--	44	6
443	3 $\frac{1}{2}$ miles east	48, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. W. Baggett	--	1937	518	--
444	6 miles east	46, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Mrs. Irene Logan	--	--	--	--
445	do.	54, cen.	do.	Dallas Joint Stock Land Bank	--	--	--	--
446	3 miles southeast	68, SE $\frac{1}{4}$ NE $\frac{1}{4}$	blk. G	W. J. King	--	--	47	6
447	1 $\frac{1}{2}$ miles southeast	75, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Gilbert Bean	--	Old	61	6
448	1 $\frac{1}{2}$ miles south	74, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Buck Samms	D. L. Handley	1937	289	18
449	1 $\frac{1}{2}$ miles southwest	73, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	E. G. Woodward	do.	1935	273	16
451	2 $\frac{1}{2}$ miles southwest	72, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Addie L. Samms	do.	1935	246	18
452	do.	72, NE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Roy A. Turner	do.	1937	100	12
453	2 $\frac{1}{2}$ miles south	70, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	M. Worthington	do.	1936	258	18
454	2 $\frac{1}{2}$ miles southwest	70, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Alice J. Simpson	-- Kimball	1937	264	18
455	do.	71, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	R. T. Spence	John Griffith	1934	280	20
456	4 miles southwest	NW $\frac{1}{4}$	Callahan C.S.L., S.W. Harold tract	W. H. Crawford	T. L. & D. Co.	Old	266	24
457	4 $\frac{1}{2}$ miles southwest	N end	Callahan C.S.L., F.M. Butler tract	G. S. Potts	J. C. Cook	1935	250	18
458	do.	W end	Callahan C.S.L., T.L. & D. Co. tract	T. L. & D. Co.	T. L. & D. Co.	1914	--	--

a/ Measuring point was usually top of casing, top of pump base, or top of water pipe clamp; it was above ground level unless below ground indicated by minus (-) sign.
 b/ T, turbine; C, cylinder; G, gasoline; W, windmill; O, oil; E, electric; Ng, natural gas; H, hand; number indicates horsepower.

Records obtained by G. H. Shafer, W. L. Broadhurst and Joe W. Lang

No.	Height of measuring point above ground (ft.)	Water Level		Pump and power b/	Use of water c/	Yield, gallons a minute	Acres irrigated in 1937	Remarks
		Depth below measuring point (ft.)	Date of measurement					
432	--	--	--	T,G, 85	I	800 R/	135	Pump set at 90 feet.
433	--	--	--	T,G, --	I	800 R/	156	Pump set at 84 feet.
434	1.5	57.4	Nov. 16, 1937	None	N	--	--	Pump not installed when visited, Nov., 1937.
435	1.0	58.1	do.	None	N	--	--	Well on flat land.
436	0.3	45.7	July 27, 1937	C,W	S	--	--	Located 200 feet north of sink.
437	0.4	50.3	June 8, 1937	None	N	--	--	Well on flat land.
438	--	60	e/	T,O, --	P	--	--	Deepened from 120 to 282 feet in 1936. Pumps about 10 hours
439	2.5	53.8	Mar. 29, 1938	T,G, 50	I	--	104	Used 463 hours, per day. 1937. Water level, 43.2 feet
441	1.0	62.9	Nov. 1, 1937	None	N	--	--	Insufficient water in 1914. for irrigation. Drilled to
442	0.7	36.8	do.	C,W	S	--	--	Located 0.15 mile "Red Beds." northwest of large lake.
443	--	--	--	None	N	--	--	Insufficient water for irrigation. Drilled to "Red Beds". Reported struck salt water.
444	0.4	161.8	Jan. 10, 1938	C,W	S	--	--	Reported strong supply.
445	0.4	141.5	Jan. 12, 1938	C,W	N	--	--	Well on flat land.
446	0.5	43.3	June 8, 1937	C,W	N	--	--	Located 700 feet southeast of sink.
447	0.5	47.6	do.	C,W	D,S	--	--	Reported strong supply. Irrigates small garden.
448	1	49.6	Nov. 17, 1937	T,E, 30	I	950 R/	325	Drawdown, 70 feet. Pump set at 110 feet. See log.
449	--	59	e/	T,G, 85	I	584 M/	304	Drawdown, 24 feet after 6 hours pumping. Pump set at
451	1.2	49.2	Nov. 17, 1937	T,G, 85	I	950 R/	319	Drawdown, 29 feet 100 feet. after 10 hours pumping. Pump
452	--	--	--	C,G, --	I	100 R/	1	Well on flat set at 90 feet. land.
453	--	--	--	T,G, 85	I	1,000 R/	230	Well on flat land. Cased to bottom.
454	1.7	44.4	Nov. 15, 1937	T,G, 30	I	800 R/	160	Pump set at 80 feet. Cased to bottom.
455	--	--	--	T,G, 85	I	800 R/	228	Cased to bottom.
456	1.2	42	Nov. 15, 1937	T,O, 60	I	1,000 R/	257	Electric motor installed, 1938.
457	--	--	--	T,G, 40	I	1,200 R/	230	Cased for 190 feet.
458	--	--	--	T,O, --	I	--	61	Well on flat land.

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

d/ Est, estimated; R, reported; M, measured.

e/ Water level reported.

Records of wells in Floyd County--Continued

No.	Distance from Lockney	Section	Survey or Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
459	5½ miles southwest	SW¼	Callahan C.S.L., M.Y. Price tract	-- Jackson	T. L. & D. Co.	1917	310	26
460	do.	12, NW¼NW¼	blk. N	Mrs. Nettie Wheeler	J. C. Cook	1936	257	--
461	5 miles southwest	13, NE¼SW¼	do.	John Stalcup	--	1936	--	--
462	5 miles west	13, NW¼NW¼	do.	E. S. Cooper	T. L. & D. Co.	1915	270	12
463	6 miles west	14, NW¼NW¼	do.	T. L. & D. Co.	do.	1915	268	24
464	6 miles southwest	14, NW¼SE¼	do.	do.	do.	1915	270	13
465	7 miles southwest	10, NE¼SE¼	do.	Jack Dollar	Bill Muncie	1930	252	16
466	7½ miles southwest	3, SW¼NE¼	do.	Mrs. Elsie Burk	D. L. Handley	1937	253	18
467	8 miles southwest	3, SW¼SW¼	do.	C. J. Barnard	Green Machinery Co.	1937	300	16
468	7½ miles southwest	NE¼NE¼	Callahan C.S.L., League 2	R. C. Yarbrough	--	--	--	5
469	8½ miles southwest	do.	do.	Clyde Applewhite	--	1933	--	--
470	7 miles southwest	do.	do.	W. M. Sammann	--	Old	--	--
471	6½ miles southwest	NW¼	Callahan C.S.L., J.W. Menthel tract	J. A. Stegall	C. Y. Gorman	1937	278	15
472	5½ miles southwest	do.	Callahan C.S.L., J.K. Anderson tract	T.L. & D. Co.	T. L. & D. Co.	1917	293	26
473	do.	do.	Callahan C.S.L., J.W. Anderson tract	C. F. Farrar	Peerless Pump Co.	1936	302	--
473a	do.	do.	do.	do.	T. L. & D. Co.	Old	281	24
474	5 miles southwest	SE¼	Callahan C.S.L., T.F. Anderson tract	H. A. Anderson, et. al.	Campbell & Fish	1937	307	14
475	4 miles southwest	58, NW¼NW¼	blk. G	A. R. Meriwether	--	--	--	4½
476	do.	58, SE¼NW¼	do.	do.	-- Muncey	1931	295	--
477	do.	58, NE¼SW¼	do.	V. L. Webster	Leland Mounts	1935	225	16
478	5 miles south	57, NW¼SE¼	do.	W. A. Mitchell	-- Fish	1937	280	14
479	4¼ miles south	56, NW¼NE¼	do.	J. E. Watson	D. L. Handley	1936	275	18
480	4 miles south	55, NW¼NW¼	do.	Gip Hudson	Campbell & Fish	1937	286	16
481	do.	60, SW¼SW¼	do.	W. M. Ferguson	Clark Craig	1937	317	16
482	3½ miles south	60, SW¼NW¼	do.	C. F. Harris	D. L. Handley	1937	275	16
483	do.	59, NE¼NE¼	do.	W. H. Fields	W. D. Casebolt	1937	282	16

Records obtained by G. H. Shafer, W. L. Broadhurst and Joe W. Lang

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Yield, gallons a minute	Acres irrigated in 1937	Remarks
		Depth below measuring point (ft.)	Date of measurement					
459	0	47.9	June 18, 1937	T,G, 50	I	700 <u>R/</u>	137	Pumped 640 hours, 1937.
460	--	--	--	T,G, 85	I	1,000 <u>R/</u>	233	Well on gentle slope. Pump set at 90 feet.
461	--	--	--	T,G, 80	I	800 <u>R/</u>	139	Well on flat land.
462	0.8	52.1	May 10, 1937	None	N	--	--	Well at top of hill.
463	1.5	51.1	June 12, 1937	T,O, --	I	900 <u>R/</u>	133	Pump set at 75 feet.
464	--	43	e/	T,O, --	I	900 <u>R/</u>	89	Well on gentle slope.
465	--	25	e/	T,G, --	I	700 <u>R/</u>	130	Pump set at 60 feet.
466	--	30	e/	T,G, 85	I	1,000 <u>R/</u>	240	Pump set at 100 feet. Drilled to "Red Beds".
467	1.5	39.9	July 29, 1937	T,G, 85	I	1,000 <u>R/</u>	245	Pump set at 84 feet. Cased to bottom.
468	0.7	44.3	May 14, 1937	C,W	N	--	--	Well on flat land.
469	--	--	--	T,G, 85	I	--	--	Do.
470	2.2	44.2	June 12, 1937	T,G, --	I	750 <u>R/</u>	147	Well on gentle slope.
471	--	--	--	T,G, 80	I	900 <u>R/</u>	213	Do.
472	1.0	48.6	Mar. 29, 1938	None	N	--	--	Well on gentle slope.
473	1.5	46.1	do.	T,G, 85	I	800 <u>R/</u>	145	Well on flat land.
473a	--	--	--	None	N	--	--	Well on flat land. Hole filled.
474	--	--	--	T,G, 85	I	800 <u>R/</u>	180	Well at top of ridge. Cased to bottom.
475	0.3	38.4	May 10, 1937	C,W	D,S	--	--	Well on flat land.
476	--	--	--	T,G, --	I	800 <u>R/</u>	151	Reported, drilled through rock and bit dropped several feet, near the bottom.
477	--	--	--	T,G, 85	I	600 <u>R/</u>	111	Cased from water level to bottom.
478	--	--	--	T,G, 85	I	1,000 <u>R/</u>	310	Cased to 175 feet. Pump set at 100 feet.
479	--	45	e/	T,G, 85	I	1,000 <u>R/</u>	196	Drawdown, 32 feet in 2 hours. Cased to bottom.
480	--	--	--	T,G, 80	I	800 <u>R/</u>	153	Do.
481	--	--	--	T,G, --	I	--	--	Reported strong supply from 250 to 317 feet. Cased to
482	--	--	--	T,G, 85	I	1,000 <u>R/</u>	160	Cased to bottom. 310 feet. Pump set at 90 feet.
483	--	--	--	T,G, 85	I	1,000 <u>R/</u>	155	Cased to bottom. Pump set at 100 feet.

Records of wells in Floyd County--Continued

No.	Distance from Lockney	Section	Survey or Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
484	3 $\frac{3}{4}$ miles south	61, SE $\frac{1}{2}$ NW $\frac{1}{4}$	blk. G	Glen Watson	D. L. Handley	1936	280	16
485	4 miles south	61, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	E. R. Harris	Campbell & Fish	1937	305	14
486	5 $\frac{1}{2}$ miles southeast	53, NE $\frac{1}{2}$ SE $\frac{1}{2}$	do.	Mrs. M. E. Morris	--	--	59	6
487	4 $\frac{1}{2}$ miles southeast	65, NW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	Alvie Wilson	--	--	57	4 $\frac{1}{2}$
No.	Distance from Floydada	Section	Survey or Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
500	13 $\frac{1}{2}$ miles west	SW $\frac{1}{2}$ NW $\frac{1}{4}$	Callahan C.S.L., League 1	--	--	Old	50	6
501	12 $\frac{1}{2}$ miles west	SE $\frac{1}{2}$ NW $\frac{1}{4}$	do.	Plainview-Lockney Farms	D. L. Handley	1937	294	16
502	12 miles west	SW $\frac{1}{2}$ NE $\frac{1}{4}$	do.	Mrs. Edna Hightower	Peerless Pump Co.	1937	291	13 $\frac{1}{2}$
503	do.	do.	do.	Plainview-Lockney Farms	Jack Sassaman	1937	354	16
504	do.	NW $\frac{1}{2}$ SE $\frac{1}{4}$	do.	do.	Lynn Olivo	1937	358	18
505	do.	NE $\frac{1}{2}$ NW $\frac{1}{4}$	Callahan C.S.L., League 4	J. W. Stringer Est.	W. O. Tye	1937	300	15
506	12 $\frac{1}{2}$ miles west	SW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	do.	do.	1935	300	15
507	12 miles west	SE $\frac{1}{2}$ NW $\frac{1}{4}$	do.	do.	do.	1936	300	15
508	11 $\frac{1}{2}$ miles west	NW $\frac{1}{2}$ SE $\frac{1}{4}$	do.	do.	do.	1935	300	15
509	9 $\frac{1}{2}$ miles west	North end	Callahan C.S.L., C.H. Johnson tract	S. H. Boon	--	Old	56	6
510	11 miles west	do.	Callahan C.S.L., J.R. Powell tract	L. D. Pope	W. O. Tye	1937	309	15
511	9 $\frac{1}{2}$ miles northwest	48, NW $\frac{1}{2}$ NE $\frac{1}{4}$	blk. G	T. B. Mitchell	J. C. Cook	1930	240	14
512	do.	48, SW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	W. H. Pope	D. L. Handley	1934	245	16
513	9 $\frac{1}{2}$ miles west	47, NW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	Marvin Shurbet	W. O. Tye	1937	350	15 $\frac{1}{2}$
514	9 miles northwest	47, NE $\frac{1}{2}$ NE $\frac{1}{4}$	do.	L. V. Shurbet	D. L. Handley	1934	310	16
515	8 $\frac{1}{2}$ miles northwest	49, SW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	Mrs. Maud Shurbet	do.	1929	250	--
516	do.	42, NE $\frac{1}{2}$ NW $\frac{1}{4}$	do.	W. C. Hubbard	--	1929	190	14
517	8 $\frac{1}{2}$ miles west	42, SW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	Jeff Wilborn	W. O. Tye	1937	310	14

a/ Measuring point was usually top of casing, top of pump base, or top of water pipe clamp; it was above ground level unless below ground indicated by minus (-) sign.

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

Records obtained by G. H. Shafer, W. L. Broadhurst and Joe W. Lang

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Yield, gallons a minute	Acres irrigated in 1937	Remarks
		Depth below measuring point (ft.)	Date of measurement					
484	--	55	e/	T,G, 85	I	900 R/	265	Cased to bottom. Pump set at 90 feet.
485	1.7	48.6	Nov. 17, 1937	T,G, 80	I	1,000 R/	175	Cased 300 feet.
486	0.3	35.8	July 28, 1937	C,W	N	--	--	Located on ridge 0.25 mile north and 0.2 mile southeast
487	0.3	43.8	May 13, 1937	C,W	N	--	--	Well at between two lakes. top of ridge.

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Yield, gallons a minute	Acres irrigated in 1937	Remarks
		Depth below measuring point (ft.)	Date of measurement					
500	0.2	37.4	July 29, 1937	None	N	--	--	Well at top of ridge.
501	--	38	e/	T,G, 110	I	1,000 R/	531	Drawdown, 62 feet after 12 hours pumping. Pump set at
502	--	--	--	T,G, 85	I	1,000 R/	215	Cased to bottom. 120 feet.
503	1.4	44.9	June 12, 1937	T,G, 170	I	1,100 R/	361	Drawdown, 55 feet after 12 hours pumping. Pump set at
504	--	45	e/	T,G, 85	I	600 R/	200	Drawdown, 120 feet. See log. 55 feet. Pump set at 120 feet.
505	--	--	--	T,G, 85	I	850 R/	330	Pump set at Cased 332 feet. 80 feet.
506	1.2	46.2	Nov. 3, 1937	T,G, 85	I	970 M/	414	Drawdown, 36 feet after 6 hours. Cased to 200 feet.
507	--	--	--	T,G, 85	I	900 R/	500	Cased to 200 feet. Pump set at 80 feet.
508	--	--	--	T,G, 85	I	700 R/	400	Cased to 200 feet. Pump set at 100 feet.
509	0.2	39.6	May 14, 1937	None	N	--	--	Well on rolling ground. No casing.
510	1.3	41.5	June 18, 1937	T,G, 80	I	1,000 R/	190	Cased to bottom. Pump set at 100 feet.
511	1.0	47.1	Nov. 15, 1937	T,G, 85	I	850 R/	310	Cased to 190 feet. Reported drawdown, 30 feet.
512	--	40	e/	T,G, 85	I	800 R/	209	Drawdown, 30 feet. Cased from water level to bottom.
513	--	--	--	T,G, 85	I	1,000 R/	320	Drawdown, 78 feet. Cased to 200 feet. Pump set at 100
514	--	--	--	T,G, 85	I	850 R/	100	Cased to feet. See log. bottom.
515	--	--	--	T,G, --	I	800 R/	150	Cased to 246 feet. Pump set at 80 feet.
516	1.5	53.1	Nov. 15, 1937	T,G, --	I	900 R/	265	Cased from 50 to 190 feet. Pump set at 80 feet.
517	1.5	51	do.	T,G, 80	I	1,100 R/	418	Cased to bottom. Pump set at 100 feet.

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

d/ Est, estimated; R, reported; M, measured.

e/ Water level reported.

Records of wells in Floyd County--Continued

No.	Distance from Floydada	Section	Survey or Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
518	8 miles west	43, SW $\frac{1}{2}$ NW $\frac{1}{4}$	blk. G	Leland May	C. Y. Gorman	1937	292	14
519	7 $\frac{1}{2}$ miles west	44, NE $\frac{1}{2}$ SW $\frac{1}{4}$	do.	J. L. Faulkner	--	Old	--	6
520	7 miles west	32, SW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	Chas. Ballman	W. O. Tye	1937	325	15
521	do.	33, SW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	Edwin Hammonds	Campbell & Fish	1937	285	14
522	do.	40, NW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	W. E. Miller	D. L. Handley	1933	226	18
523	7 $\frac{1}{2}$ miles northwest	41, NE $\frac{1}{2}$ NW $\frac{1}{4}$	do.	C. F. Harris	do.	1930	277	20
524	do.	50, SE $\frac{1}{2}$ NE $\frac{1}{4}$	do.	N. T. A. Byars	do.	1934	245	16
525	6 $\frac{1}{2}$ miles northwest	52, NW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	W. Fry	T. Bungarner	1930	298	18
526	do.	do.	do.	do.	Campbell & Fish	1937	--	16
527	5 miles west	100, cen. W $\frac{1}{2}$	do.	Geo. B. McAlister	--	1937	--	--
528	4 $\frac{1}{2}$ miles northwest	82, SW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	Mrs. Maud Hollums	--	Old	73	7
529	1 $\frac{1}{2}$ miles northwest	63, SE $\frac{1}{2}$ NE $\frac{1}{4}$	A. B. & M. sur., blk. 1	P. & S. F. R. R.	--	Old	138	6
530	1 mile northwest	62, SW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	City of Floydada	D. L. McDonald	1928	212	16
531	do.	do.	do.	do.	do.	1928	208	16
532	In Floydada	65, SW $\frac{1}{2}$ NE $\frac{1}{4}$	do.	do.	do.	1920	160	30
533	$\frac{1}{2}$ mile west	65, NW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	-- Martin Est.	--	Old	134	6
534	3 miles southwest	94, NW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	Joe Ryles Est.	--	Old	117	6
535	4 miles south	120, NE $\frac{1}{2}$ NE $\frac{1}{4}$	do.	H. D. Snodgrass Est.	--	Old	141	6
536	4 miles west	10, NE $\frac{1}{2}$ W $\frac{1}{2}$	blk. P	H. R. Patterson	C. Y. Gorman	1937	325	14
537	8 $\frac{1}{2}$ miles west	29, NE $\frac{1}{2}$ NW $\frac{1}{4}$	blk. G	Mrs. M. B. Holmes	-- Casebolt	1937	319	16
538	10 miles west	6, NE $\frac{1}{2}$ NW $\frac{1}{4}$	blk. H	V. W. Hennosee	D. L. Handley	1937	305	16
539	10 $\frac{1}{2}$ miles southwest	6, NE $\frac{1}{2}$ SW $\frac{1}{4}$	do.	Lon L. Davis	C. Y. Gorman	1937	366	14
540	10 $\frac{1}{2}$ miles west	9, SE $\frac{1}{2}$ SE $\frac{1}{4}$	blk. K	J. S. Hale	-- Whitfield	1936	345	15
541	12 miles west	11, NE $\frac{1}{2}$ SW $\frac{1}{4}$	do.	C. J. Barnard	--	1937	--	--
542	do.	8, SW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	R. B. Gary	W. T. Tarkington	1936	325	15
543	11 $\frac{1}{2}$ miles west	8, NE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	W. C. Trowbridge	W. O. Tye	1936	320	13

Records obtained by G. H. Shafer, W. L. Broadhurst and Joe W. Lang

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Yield, gallons a minute	Acres irrigated in 1937	Remarks
		Depth below measuring point (ft.)	Date of measurement					
518	1.0	53.9	Nov. 15, 1937	T,G, 80	I	1,100 R/	--	Drawdown, 44 feet after 6 hours. Used 10 days in 1937. Cased to bottom. Pump set at 110 feet.
519	0.8	50	May 10, 1937	C,W	S	--	--	Well on flat ground. Pumps intermittently.
520	--	56	e/	T,G, 85	I	900 R/	325	Cased to bottom. Pump set at 90 feet.
521	--	--	--	T,G, --	I	--	278	Well at top of ridge. Pump set at 100 feet.
522	1.4	61.3	May 14, 1937	T,G, --	I	--	343	Cased from water level to bottom. Pump set at 110 feet.
523	--	--	--	T,G, 85	I	850 R/	389	Do.
524	1.3	64.9	May 14, 1937	T,G, 85	I	750 R/	232	Cased from water level to bottom. Pump set at 100 feet.
525	0.7	40.9	do.	None	N	--	--	Insufficient water for irrigation. Drilled to "Red Beds".
526	--	--	--	None	N	--	--	Do.
527	--	--	--	T,G, 80	I	--	--	Well on gentle slope.
528	0.8	51.5	June 8, 1937	None	N	--	--	Well on flat ground.
529	2.4	107.6	June 15, 1937	C,W	S	--	--	Well on flat ground. Located at stock yards.
530	--	136	e/	T,E, --	P	380	--	Gravel-walled well. Drawdown, 11 feet in 18 minutes. Cased to bottom.
531	--	136	e/	T,E, 30	P	308	--	13-inch gravel wall around casing. Drawdown, 11 feet in 42 minutes. Cased to bottom.
532	--	110	e/	T,E, 10	P	150	--	Cased to bottom. See log.
533	0	122.1	June 8, 1937	None	N	--	--	Well on flat ground.
534	0.3	110	do.	C,H	D	--	--	Do.
535	0.5	131.4	June 12, 1937	None	N	--	--	Well on gentle slope.
536	--	--	--	T,G, 44	I	800 R/	--	Cased to bottom. See log.
537	1.0	83.1	Nov. 8, 1937	T,G, 80	I	650 R/	230	Drawdown, 102 feet. Pump set at 200 feet.
538	1.5	77.2	June 18, 1937	T,G, 80	I	800 R/	145	Cased to bottom. Pump set at 140 feet.
539	1.5	77.8	Nov. 19, 1937	T,G, 80	I	800 R/	420	Do.
540	--	69	e/	T,G, 50	I	750 R/	340	Do.
541	1.5	68.6	Nov. 12, 1937	T,G, --	I	--	--	Completed after irrigating season, 1937.
542	--	60	e/	T,G, 85	I	850 R/	436	Drawdown, 51 feet after 4 hours. Pump set at 120 feet.
543	1.5	65.3	Nov. 12, 1937	T,G, 85	I	900 R/	280	Cased to 220 feet. Pump set at 130 feet.

Records of wells in Floyd County--Continued

No.	Distance from Floydada	Section	Survey or Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
544	11½ miles west	4, SW¼NE¼	blk. C	W. N. Jones	--	1937	--	--
545	13 miles west	7, NW¼SW¼	blk. K	W. S. Hanna	W. O. Tye	1936	225	16
546	do.	6, SE¼SE¼	do.	L. A. Williams	D. L. Handley	1937	241	15½
547	12½ miles west	26, NW¼SW¼	do.	Geo. M. Finkner	W. O. Tye	1934	330	15½
548	12½ miles southwest	25, NW¼NW¼	do.	G. W. De Cordovan	C. Y. Gorman	1937	380	14
549	do.	25, NW¼NE¼	do.	do.	D. L. Handley	1937	360	16
550	do.	29, NW¼NW¼	do.	H. A. Krause	W. T. Tarkington	1934	190	14
551	15 miles southwest	18, SW¼SE¼	do.	E. R. Gibson	do.	1936	175	12
552	14½ miles southwest	NW¼NW¼	L. M. Wortes tract	L. M. Wortes	do.	1936	200	--
553	15½ miles southwest	26, NW¼NE¼	blk. C 2	W. H. Taylor	do.	1937	187	18
554	13½ miles southwest	30, SW¼SW¼	blk. K	A. S. Green	Peerless Pump Co.	1936	215	16
555	14 miles southwest	32, NW¼NW¼	do.	W. L. O'Dell	W. T. Tarkington	1937	260	15½
556	do.	32, NW¼NE¼	do.	R. W. Case	Harmon Handley	1937	260	15½
557	10½ miles southwest	1, SW¼NW¼	blk. H	B. W. Hemphill	W. T. Tarkington	1936	243	16
558	10 miles southwest	12, SW¼NW¼	blk. G	H. L. Hartsell	Bradford Supply Co.	1937	308	14
559	9 miles southwest	9, NW¼SW¼	do.	J. E. Tivis	do.	1937	354	16
560	do.	cen.	W. A. Whitlaw tract	M. W. Whitlaw	do.	1937	350	18
561	8½ miles south	21, NE¼NE¼	blk. N	-- Service Station	--	1930	170	6
562	7 miles south	NW¼	J. A. Huckabee tract	H. W. Carver	--	Old	164	4½
564	8 miles south	23, NW¼NW¼	blk. N	Dr. -- Moore	C. Y. Gorman	1937	387	16
565	2 miles northwest	35, SW¼SW¼	A. B. & M. sur., blk. 1	O. E. Murray	--	Old	116	6
566	6½ miles southwest	4, SW¼NW¼	blk. G	-- Massey	--	--	Spring	--
584	10 miles west	cen.	Callahan C.S.L., C.H. Johnson tract	S. H. Boon	Expl. Co.	1928	4,015	--
585	9½ miles west	NW cor.	Callahan C.S.L., W.A. Trowbridge tract	Chas. Ballman	--	1938	--	--
586	8½ miles northwest	49, SW¼NE¼	blk. G	J. T. Bloxom	W. O. Tye	1936	290	15½
592	11 miles southwest	cen.	C. W. Howard tract	McCoy School	--	--	110	--

Records obtained by G. H. Shafer, W. L. Broadhurst and Joe W. Lang

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Yield, gallons a minute	Acres irrigated in 1937	Remarks
		Depth below measuring point (ft.)	Date of measurement					
544	--	--	--	T,G, --	I	--	--	Well on flat ground.
545	--	--	--	T,G, 50	I	700 R/	475	Cased to bottom. Pump set at 120 feet.
546	2.0	63.6	Nov. 19, 1937	T,G, 80	I	800 R/	328	Cased to 239 feet. Pump set at 120 feet. See log.
547	0.8	74.1	Nov. 12, 1937	T,G, 60	I	700 R/	402	Drawdown, 65 feet after 10 hours. Cased to bottom.
548	--	76	e/	T,G, 55	I	900 R/	383	Draw- Pump set at 120 feet. down, 50 feet after 6 days. Pump set at 130 feet. Cased
549	--	76	e/	T,G, 50	I	--	--	Do. to bottom.
550	0.5	73	Nov. 12, 1937	T,G, 44	I	750	179	Drawdown, 37 feet after 12 hours. Cased to 130 feet.
551	1.0	73.5	do.	T,G, 28	I	700 R/	145	Well on Pump set at 96 feet. sloping ground. Cased to
552	1.5	69.5	do.	T,G, 30	I	1,050 R/	256	Drawdown, 27 feet. bottom.
553	--	--	--	T,G, 85	I	900 R/	234	Cased to bottom. Pump set at 110 feet.
554	--	--	--	T,G, 85	I	900 R/	312	Cased to bottom.
555	--	--	--	T,G, 80	I	800 R/	37	Water from 208 to 238 feet. Cased to bottom.
556	1.5	89.3	Nov. 5, 1937	T,G, 50	I	1,000 R/	None	Cased to bottom. Pump set at 160 feet.
557	--	80	e/	T,G, 56	I	800 R/	160	Drawdown, 65 feet after 12 hours. Cased to bottom. Pump set at 160 feet.
558	--	--	--	T,G, 60	I	900 R/	None	Well at top of ridge. Cased to bottom.
559	--	--	--	T,G, 60	I	--	--	Do.
560	0.7	103.4	Nov. 5, 1937	T,G, 60	I	950	None	Well on flat land. Cased to bottom.
561	0.5	129.9	June 16, 1937	C,W	D	--	--	Well on gentle slope.
562	3.4	135.9	June 12, 1937	C,W	D,S	--	--	Well at edge of canyon. Seldom used.
564	1.1	139.5	Nov. 5, 1937	T,G, 50	I	--	166	Pump set at 200 feet. See log.
565	0.4	108.9	June 8, 1937	C,W	D,S	--	--	Well on gentle slope. Reported weak supply.
566	--	Flows	Jan. 29, 1938	None	S	--	--	Numerous seeps from bed and banks of stream.
584	--	--	--	None	N	--	--	Oil test. See log.
585	--	--	--	T,E, --	I	--	--	Well on flat land.
586	--	42	e/	T,G, 85	I	900 R/	405	Cased to 250 feet. Pump set at 90 feet.
592	0.5	94.3	Jan. 29, 1938	C,W	P	--	--	Well on flat land. School well.

Records of wells in Floyd County--Continued

No.	Distance from Floydada	Section	Survey or Block or League	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
602	3½ miles east	88, NW¼SW¼	A. B. & M. sur., blk. 1	Robert T. Bartley	--	Old	164	6
603	5½ miles east	86, NW¼NE¼	do.	Gladys Fox	--	Old	190	6
604	9½ miles east	82, SW¼SE¼	do.	G. B. Lewis	--	Old	256	4½
605	10½ miles east	106, NW¼NE¼	do.	W. B. Jones	--	1930	245	5
606	12 miles east	79, NW¼NW¼	do.	Mrs. Iris L. Colston	--	--	281+	4
607	14½ miles east	4, NW¼NE¼	B. & B. sur., blk. 1	Mrs. Kate Martin	--	Old	270	4½
608	14 miles east	NE¼NW¼	Eastland C.S.L.	City of Dougherty	D. L. Handley	--	300+	5- 5/8
609	16½ miles southeast	NE cor.	R. B. Mercer tract	-- Dougherty	--	1918	390	4½
610	7½ miles east	103, SW¼SW¼	A. B. & M. sur., blk. 1	Baker School	-- Jackson	1922	210	4
611	7 miles east	102, NE¼SE¼	do.	J. P. Hart	do.	1918	216	4
612	4½ miles south	8, NW¼NE¼	blk. -	Lovell L. Jones	C. Y. Gorman	1937	--	--
613	8 miles southeast	NE¼NE¼	J. H. Reed tract	-- Newton	--	--	232	4½
614	8½ miles southeast	31, NE¼NW¼	blk. -	Lakeview School	--	--	200+	--

a/ Measuring point was usually top of casing, top of pump base, or top of water pipe clamp; it was above ground level unless below ground indicated by minus (-) sign.

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

Records obtained by G. H. Shafer, W. L. Broadhurst and Joe W. Lang

No.	Height of measuring point above ground (ft.) a/	Water Level		Pump and power b/	Use of water c/	Yield, gallons a minute	Acres irrigated in 1937	Remarks
		Depth below measuring point (ft.)	Date of measurement					
602	0.3	154.5	June 14, 1937	None	N	--	--	Well on flat land. Galvanized casing.
603	0.3	176.1	do.	C,W	D,S	--	--	Do.
604	1.4	199.9	June 16, 1937	None	N	--	--	Well on flat land.
605	1.0	213.1	July 28, 1937	C,W	S	--	--	Located 1,000 feet southwest of lake.
606	1.3	244	June 14, 1937	C,W	D,S	--	--	Reported strong supply.
607	1.3	240.1	do.	None	N	--	--	Water level measured while mill 10 feet east was pumping approximately 3 gallons a minute. Lake just south of
608	--	--	--	T,O, 20	P	30 R/	--	Pumps air at higher well. rates. Cased to 282 feet.
609	--	237+	e/	C,W	S	--	--	Well on edge of sink. Reported strong supply.
610	0.9	199	Jan. 26, 1938	C,W	P	--	--	School well. Reported strong supply. Two joints of casing at bottom of well.
611	0.2	195.3	do.	C,W	D,S	--	--	Reported strong supply. Two joints of casing at bottom of well. Located 0.5 mile west
612.	1.3	147.8	Nov. 9, 1937	T,O, 100	I	--	--	4-stage pump set of lake. at 200 feet.
613	0.5	176.8	Jan. 27, 1937	None	N	--	--	Located 0.1 mile north of Lakeview.
614	--	200+	e/	C,W	P	--	--	Reported strong supply. Obstructed at 200 feet.

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

d/ Est, estimated; R, reported; M, measured.

e/ Water level reported.

Table of Drillers' Logs, Floyd County, Texas

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 2</u>		
K. Sammann tract, 13 $\frac{1}{2}$ miles northwest of Lockney.		
Surface materials - - -	3	3
Clay and caliche - - -	2	5
Yellow clay - - -	10	15
Sand and rock - - -	10	25
Pink packed sand - - -	10	35
Yellow sand - - -	10	45
Red sand - - -	10	55
White rock - - -	3	58
Pink sand - - -	15	73
White sand - - -	10	83
Chalky rock and sand - -	22	105
Clay and rock - - -	5	110
Packed sand - - -	15	125
Gray sand - - -	5	130
Packed sand - - -	30	160
Quicksand - - -	7	167
Packed sand - - -	23	190
Red sand and gravel - -	9	199
Gravel - - -	20	219
TOTAL DEPTH - - -		219
CASING RECORD: 56 feet of 16-inch plain and 164 feet of 16-inch perforated casing; 126 feet of 8 $\frac{1}{2}$ -inch suction pipe.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 12</u>		
J. B. Stevenson tract, 11 $\frac{1}{2}$ miles north of Lockney.		
Top soil - - -	63	63
White sand and clay - -	22	85
Brown clay - - -	4	89
Soft-packed sand - - -	21	110
Clay and gravel - - -	7	117
Red sand and clay - - -	18	135
Loose-packed water sand -	30	165
Tight-packed sand - - -	26	191
Loose-packed water sand -	9	200
TOTAL DEPTH - - -		200
CASING RECORD: 75 feet of 15 $\frac{1}{2}$ -inch casing set at 110 feet; 35 feet of 11 $\frac{1}{2}$ -inch; 52 feet of 8-inch.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 48</u>		
Plainview-Lockney farms, 10 $\frac{1}{2}$ miles northwest of Lockney.		
Top soil - - -	6	6
Light-colored shale - -	4	10
Red shale - - -	15	25
Sandy light-colored shale -	30	55
Sandy lime - - -	10	65
Hard-packed lime - - -	2	67
Water sand - - -	8	75
Red shale - - -	35	110
Sandy lime - - -	5	115

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 48--Continued</u>		
Loose-packed water sand -	80	195
Sandy brown shale - - -	5	200
Hard-packed lime - - -	4	204
Gravel and coarse-grained sand - - -	10	214
Red shale - - -	1	215
TOTAL DEPTH - - -		215
CASING RECORD: 165 feet of 16-inch perforated casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 62</u>		
C. H. Huffman tract, 5 $\frac{1}{2}$ miles north of Lockney.		
Top soil - - -	64	64
Red clay and sand - - -	27	91
Caving clay - - -	20	111
Soft-packed sand - - -	12	123
Loose-packed red clay and gravel - - -	24	147
Sand rock - - -	7	154
Sand and gravel - - -	16	170
Caving sand - - -	18	188
Red clay - - -	2	190
Red sand - - -	21	211
Yellow clay - - -	3	214
Gravel and sand - - -	12	226
Red clay - - -	1	227
TOTAL DEPTH - - -		227
CASING RECORD: 70 feet of 15 $\frac{1}{2}$ -inch casing set at 132 feet; 30 feet of 11 $\frac{1}{2}$ -inch; 60 feet of 8-inch.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 138</u>		
John T. Carthel tract, 3 miles northwest of Lockney.		
Top soil - - -	4	4
White clay - - -	8	12
Brown clay and gravel - -	24	36
Red clay - - -	12	48
Rock - - -	5	53
Soft-packed red clay and gravel - - -	35	88
Hard-packed red clay - -	15	103
Soft-packed sand - - -	29	132
Hard-packed sand - - -	18	150
Sand and gravel - - -	35	185
Red clay - - -	3	188
Soft-packed sand - - -	13	201
TOTAL DEPTH - - -		201
CASING RECORD: 44 feet of 12-inch casing set at 130 feet.		

Table of Drillers' Logs, Floyd County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 325</u>		
W. C. Simms tract, 2 miles east of Floydada.		
Top soil - - - - -	4	4
Sandy clay - - - - -	16	20
Shale- - - - -	17	37
Caliche - - - - -	7	44
Rock - - - - -	3	47
Caliche - - - - -	9	56
Rock - - - - -	2	58
Shale- - - - -	40	98
Hard caliche - - - - -	30	128
Water sand and caliche - - - - -	14	142
Shale- - - - -	40	182
Water sand and caliche - - - - -	23	210
Caliche - - - - -	22	232
Shale- - - - -	56	288
Gravel, water- - - - -	22	310
Rock - - - - -	1	311
Red shale- - - - -	9	320
TOTAL DEPTH - - - - -		320
CASING RECORD: 100 feet of 14-inch plain and 220 feet of 14-inch perforated casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 402</u>		
J. C. Thomas tract, 6 miles west of Lockney.		
Top soil - - - - -	52	52
Water sand - - - - -	79	131
Red shale- - - - -	7	138
Water sand - - - - -	50	188
Red beds - - - - -	4	192
TOTAL DEPTH - - - - -		192
CASING RECORD: 96 feet of 15-inch casing; 48 feet of 13-inch; 48 feet of 10-inch, perforated.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 408</u>		
W. E. Taack tract, 5 $\frac{1}{2}$ miles west of Lockney.		
Hard-packed top soil - - - - -	7	7
Hard-packed sand - - - - -	8	15
Soft-packed red sand - - - - -	20	35
Caliche- - - - -	20	55
Water sand - - - - -	15	70
Sticky red sand and clay - - - - -	10	80
Packed sand - - - - -	17	97
Water sand- - - - -	8	105
Hard-packed sand - - - - -	5	110
Soft-packed sand - - - - -	50	160
Hard-packed sand - - - - -	15	175
Water sand and gravel- - - - -	11	186
Clay - - - - -	2	188
TOTAL DEPTH - - - - -		188
CASING RECORD: 40 feet of 16-inch plain and 107 feet of 16-inch perforated casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 448</u>		
Buck Samms tract, 1 $\frac{1}{2}$ miles south of Lockney.		
Top soil - - - - -	2	2
Chalky materials - - - - -	12	14
White rock - - - - -	41	55
Water sand and red clay - - - - -	15	70
Red clay - - - - -	4	74
Water sand and gravel- - - - -	1	75
Red clay - - - - -	4	79
Water sand - - - - -	33	112
Red quicksand- - - - -	5	117
Packed sand - - - - -	2	119
Coarse-grained water sand- - - - -	5	124
Packed sand - - - - -	6	130
Water sand and gravel- - - - -	6	136
Sand - - - - -	9	145
Red quicksand- - - - -	10	155
White water sand and gravel 10		165
Red clay - - - - -	1	166
Water sand and gravel- - - - -	14	180
Red clay - - - - -	4	184
Water sand and gravel- - - - -	9	193
Red clay - - - - -	2	195
Packed sand and clay - - - - -	17	212
Water in gravel - - - - -	3	215
Red sand - - - - -	12	227
Yellow water sand and gravel 11		238
Sand - - - - -	7	245
Coarse-grained water sand and gravel - - - - -	15	260
TOTAL DEPTH - - - - -		289
CASING RECORD: 106 feet of 18-inch casing; 4 feet of 17-inch; 80 feet of 16-inch; 50 feet of 14-inch.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 503</u>		
Plainview-Lockney farms, 12 miles west of Floydada.		
Top soil - - - - -	4	4
Broken clay and caliche - - - - -	16	20
Caliche - - - - -	20	40
Red sand - - - - -	28	68
Red shale- - - - -	10	78
Broken sand and shale- - - - -	62	140
Water sand - - - - -	48	188
Red shale- - - - -	7	195
Sand - - - - -	20	215
Red shale- - - - -	10	225
Water sand - - - - -	15	240
Packed sand - - - - -	15	255
Water sand- - - - -	34	289
Sticky clay - - - - -	9	298
Water sand- - - - -	12	310
Hard-packed sand - - - - -	10	320

(Continued on next page)

Table of Drillers' Logs, Floyd County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 503--Continued</u>		
Red shale- - - - -	34	354
TOTAL DEPTH - - - - -		354
CASING RECORD: 48 feet of 16-inch plain and 296 feet of 16-inch perforated casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 513</u>		
Marvin Shurbet tract, $\frac{9}{16}$ miles west of Floydada.		
Top soil - - - - -	4	4
Caliche - - - - -	40	44
Red sand and clay- - - - -	6	50
Red sand - - - - -	44	94
Sandy white clay - - - - -	6	100
Red sand and clay- - - - -	25	125
Brown sand - - - - -	25	150
Brown clay - - - - -	10	160
Hard-packed brown sand - - - - -	35	195
White clay and gravel- - - - -	32	227
Hard-packed gray sand- - - - -	21	248
Sticky white clay- - - - -	3	251
Soft-packed gray sand- - - - -	4	255
Hard-packed gray sand- - - - -	10	265
Soft-packed gray sand- - - - -	13	278
Hard-packed gray sand- - - - -	5	283
Soft-packed gray sand- - - - -	15	298
Hard-packed gray sand- - - - -	7	305
Hard-packed sand and gravel - - - - -	8	313
Sticky white clay- - - - -	2	315
Hard-packed gray sand- - - - -	23	338
Sticky red clay - - - - -	2	340
Soft-packed gray sand- - - - -	5	345
Hard-packed sand and clay- - - - -	5	350
TOTAL DEPTH - - - - -		350
CASING RECORD: 110 feet of 15 $\frac{1}{2}$ -inch and 90 feet of 13 $\frac{1}{2}$ -inch perforated casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 532</u>		
City of Floydada, in Floydada.		
Top soil, caliche and red clay - - - - -	27	27
Clay and rock- - - - -	14	41
Red clay and sand rock - - - - -	69	110
Water sand - - - - -	4	114
Clay and sand rock - - - - -	6	120
Water sand - - - - -	5	125
Soft-packed red clay - - - - -	11	136
Sand rock- - - - -	8	144
Clay and sand- - - - -	6	150
Clay and sand rock - - - - -	4	154
Water sand - - - - -	6	160
TOTAL DEPTH - - - - -		160
CASING RECORD: 160 feet of 30-inch casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 536</u>		
H. R. Patterson tract, 4 miles west of Floydada.		
Top soil - - - - -	3	3
Caliche - - - - -	26	29
Hard caliche rock- - - - -	11	40
Caliche - - - - -	20	60
Water sand - - - - -	12	72
Sand and shale - - - - -	36	108
Rock - - - - -	1	109
Red shale- - - - -	96	205
Water sand - - - - -	7	212
Shale - - - - -	52	264
Water sand - - - - -	60	324
Red shale- - - - -	1	325
TOTAL DEPTH - - - - -		325
CASING RECORD: 325 feet of 14-inch perforated casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 546</u>		
L. A. Williams tract, 13 miles west of Floydada.		
Top soil - - - - -	3	3
White sand - - - - -	20	23
Clay - - - - -	10	33
Clay and rock- - - - -	14	47
Hard rock- - - - -	6	53
Clay - - - - -	13	66
Clay and water - - - - -	30	96
Clay - - - - -	8	104
Sand - - - - -	10	114
Clay - - - - -	2	116
Sand - - - - -	9	125
Caving clay - - - - -	8	133
Sand and clay- - - - -	30	163
Hard-packed clay - - - - -	4	167
Sand and clay- - - - -	28	195
Clay and boulders- - - - -	9	204
Sand - - - - -	19	223
Gravel - - - - -	16	239
Clay - - - - -	2	241
TOTAL DEPTH - - - - -		241
CASING RECORD: 160 feet of 15 $\frac{1}{2}$ -inch and 82 feet of 13-inch casing.		

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 564</u>		
Dr. -- Moore tract, 8 miles south of Floydada.		
Surface materials- - - - -	7	7
Caliche - - - - -	31	38
Rock - - - - -	8	46
Shale- - - - -	1	47
Rock - - - - -	1	48

(Continued on next page)

Table of Drillers' Logs, Floyd County--Continued

		Thickness	Depth
		(feet)	(feet)
<u>Driller's log of well 564--Continued</u>			
Sand - - - - -	7	55	
Red beds - - - - -	10	65	
Caliche - - - - -	21	86	
Sand and red beds- - - - -	9	95	
Red beds - - - - -	70	165	
Sand - - - - -	15	180	
Red beds - - - - -	8	188	
Sand and red beds- - - - -	22	210	
Shale- - - - -	22	232	
Red beds - - - - -	19	251	
Sand and red beds- - - - -	25	276	
Red beds-- - - - - -	4	280	
Sand - - - - -	18	298	
Sand and mud - - - - -	42	340	
Sand - - - - -	47	387	
TOTAL DEPTH - - - - -		387	

<u>Driller's log of well 584</u>			
S. H. Boon tract, 10 miles west of Floydada.			
Surface materials- - - - -	5	5	
Shale- - - - -	40	45	
Water sand - - - - -	25	70	
Red shale- - - - -	55	125	
Loose-packed water sand - - - - -	175	300	
Hard red sand rock - - - - -	10	310	
Sand - - - - -	60	370	
Soft-packed yellow sand - - - - -	45	415	
Sand - - - - -	15	430	
Red rock - - - - -	10	440	
Red shale- - - - -	10	450	
Red rock - - - - -	50	500	
Water sand - - - - -	35	535	
Red shale- - - - -	25	560	
Red rock - - - - -	40	600	
Blue shale - - - - -	45	645	
Red rock - - - - -	10	655	
Gray shale - - - - -	10	665	
Loose-packed red rock- - - - -	15	680	
Red mud - - - - -	50	730	
Sandy blue and white shale	25	755	
Water sand - - - - -	15	770	
Red rock - - - - -	15	785	

		Thickness	Depth
		(feet)	(feet)
<u>Driller's log of well 584--Continued</u>			
Red mud - - - - -	5	790	
Red rock - - - - -	10	800	
Yellow mud - - - - -	25	825	
Red rock - - - - -	105	930	
Red mud - - - - -	130	1060	
Anhydrite- - - - -	35	1095	
Red mud - - - - -	35	1130	
Salt - - - - -	220	1350	
Red rock - - - - -	30	1380	
Salt - - - - -	20	1400	
Red mud - - - - -	30	1430	
Salt and red mud - - - - -	30	1460	
Anhydrite- - - - -	10	1470	
Salt - - - - -	30	1500	
Red rock - - - - -	20	1520	
Salt - - - - -	25	1545	
Red rock and salt- - - - -	30	1575	
Salt - - - - -	20	1595	
Salt and anhydrite - - - - -	60	1655	
Salt - - - - -	315	1970	
Red mud and salt - - - - -	20	1990	
Red rock and salt- - - - -	55	2045	
Red mud - - - - -	35	2080	
White sand (some gas)- - - - -	10	2090	
Red sand - - - - -	45	2135	
Sandy red rock - - - - -	50	2185	
Red sand - - - - -	20	2205	
Red rock - - - - -	10	2215	
Red sand - - - - -	30	2245	
Red rock and shells - - - - -	95	2340	
Red rock - - - - -	20	2360	
Hard white lime - - - - -	20	2380	
Red rock - - - - -	5	2385	
Red rock and anhydrite - - - - -	15	2400	
TOTAL DEPTH - - - - -		4015	

CASING RECORD: 915 feet of 15 $\frac{1}{2}$ -inch casing; 686 feet of 12 $\frac{1}{2}$ -inch; 785 feet of 10-inch; and 1920 feet of 8 $\frac{1}{2}$ -inch.

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

	Thickness (feet)	Depth (feet)
<u>Well 76</u>		
Bottom of draw, side of county road, SW $\frac{1}{4}$ sec. 3, G. C. & S. F. R. R. sur., blk. D1, 10 miles north of Lockney.		
Black surface materials -	4	4
Silty gray sand - - -	2	6
Red sand and chalk - - -	11	17
Caliche - - - - -	7	24
Dec. 27, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 83</u>		
Bottom of draw, side of county road, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, G. C. & S. F. R. R. sur., blk. D1, 10 $\frac{1}{2}$ miles northeast of Lockney.		
Black surface materials -	2	2
Soft white caliche - - -	2	4
Red and gray sand and caliche	2	6
Fine-grained silty sand -	6	12
Hard caliche and sand- - -	13	25
Dec. 18, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 84</u>		
Bottom of draw, side of county road, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15, G. C. & S. F. R. R. sur., blk. D1, 10 miles northeast of Lockney.		
Black surface materials -	4	4
Silty gray sand - - -	3	7
Silty gray sand and caliche pebbles- - -	2	9
Red and gray sand and chalk - - - - -	7	16
Hard caliche - - - - -	7	23
Red and gray chalky clay and sand - - - - -	4	27
Dec. 27, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 215</u>		
Floor of canyon, Jim Taylor tract, NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 71, G. C. & S. F. R. R. sur., blk. GM, 14 $\frac{1}{2}$ miles northeast of Lockney.		
Bluish-gray clay and silt-	24	24
(Above was black before weathered)		
Water level, 3.3 feet below top of ground 168 hours after hole completed. Water sample collected. Jan. 19, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 216</u>		
Floor of canyon, Jim Taylor tract, NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 71, G. C. & S. F. R. R. sur., blk. GM, 14 $\frac{1}{2}$ miles northeast of Lockney.		
Brown surface sand - - -	2	2
Brown and blue clay and sand - - - - -	3	5
Greenish-black clay (weathers gray) - - -	18	23

	Thickness (feet)	Depth (feet)
<u>Well 216--Continued</u>		
Water level, 2.6 feet below top of ground 168 hours after hole completed. Water sample collected. Jan. 19, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 217</u>		
Floor of canyon, Jim Taylor tract, NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 71, G. C. & S. F. R. R. sur., blk. GM, 14 $\frac{1}{2}$ miles northeast of Lockney.		
Creek bed sand and gravel-	6	6
Stopped by caving.		
Water level, 2.7 feet below top of ground 168 hours after hole completed. Water sample collected. Jan. 19, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 218</u>		
Floor of canyon, Jim Taylor tract, SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 71, G. C. & S. F. R. R. sur., blk. GM, 14 $\frac{1}{2}$ miles northeast of Lockney.		
Surface materials- - -	1	1
Bluish-colored sandy clay-	6	7
Gray and yellow clay and sand - - - - -	5	12
Fine-grained blue sand and clay - - - - -	4	16
Water level, 8.6 feet below top of ground 168 hours after hole completed. Jan. 19, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 219</u>		
Floor of canyon, Jim Taylor tract, SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 71, G. C. & S. F. R. R. sur., blk. GM, 14 $\frac{1}{2}$ miles northeast of Lockney.		
Surface materials- - -	3	3
Blue clay and sand - - -	6	9
Coarse-grained sand and gravel - - - - -	3	12
Water level, 8.7 feet below top of ground 168 hours after hole completed. Water sample collected. Jan. 19, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 220</u>		
Floor of canyon, Jim Taylor tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 71, G. C. & S. F. R. R. sur., blk. GM, 14 $\frac{1}{2}$ miles northeast of Lockney.		
Creek bed surface materials	1	1
Red sand and caliche pebbles- - - - -	15	16
Loose gray caving sand and coarse-grained gravel -	3	19
Jan. 19, 1938.		

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

	Thickness (feet)	Depth (feet)
<u>Well 221</u>		
Floor of canyon, Jim Taylor tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 71, G. C. & S. F. R. R. sur., blk. GM, 14 $\frac{1}{2}$ miles northeast of Lockney.		
Sand, silt, and gravel	10	10
Coarse-grained yellow sand and gravel	9	19
Struck water at 13 feet. Water level, 13.3 feet below top of ground 120 hours after hole completed. Jan. 11, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 222</u>		
Floor of canyon, Jim Taylor tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 74, G. C. & S. F. R. R. sur., blk. GM, 14 $\frac{1}{2}$ miles northeast of Lockney.		
Silty light-red sand and caliche pebbles	18	18
Gray and pink sand and gravel	5	23
Jan. 11, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 223</u>		
Floor of canyon, Jim Taylor tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 74, G. C. & S. F. R. R. sur., blk. GM, 14 $\frac{1}{2}$ miles northeast of Lockney.		
Surface sand and gravel	10	10
Yellow sand and gravel	15	25
Water level, 20.3 feet below top of ground 120 hours after hole completed. Water sample collected. Jan. 11, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 226</u>		
Floor of canyon, Walter Long tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 80, G. C. & S. F. R. R. sur., blk. GM, 13 $\frac{1}{2}$ miles northeast of Lockney.		
Washed-in surface materials and caliche	5	5
Silty light-red sand with caliche pebbles and boulders	55	60
Dec. 27, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 227</u>		
Floor of canyon, Walter Long tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 80, G. C. & S. F. R. R. sur., blk. GM, 13 $\frac{1}{2}$ miles northeast of Lockney.		
Washed-in surface materials	4	4
Silty light-red sand and layers of caliche pebbles	48	52
Dec. 27, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 228</u>		
Bottom of draw, side of county road, NW $\frac{1}{4}$ sec. 1, blk. D2, 12 miles northeast of Lockney.		
Waxy black surface materials	3	3

	Thickness (feet)	Depth (feet)
<u>Well 228--Continued</u>		
Sticky greenish-colored clay		
	3	6
Fine-grained gray sand and clay		
	2	8
Sticky olive-green clay		
	7	15
Sandy chocolate-colored clay		
	1	16
Olive-drab sand and clay		
	7	23
Brown sand and clay		
	6	29
Silty light-gray sand and clay		
	7	36
Dec. 15, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 229</u>		
Gentle slope, side of county road, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, G. C. & S. F. R. R. sur., blk. D1, 11 miles northeast of Lockney.		
Sandy brown surface materials		
	3	3
Silty red and gray sand and caliche pebbles		
	11	14
Red clay and fine-grained sand and gravel		
	5	19
Light-red sand and chalk		
	8	27
Dec. 15, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 231</u>		
Bottom of draw, side of county road, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 20, G. C. & S. F. R. R. sur., blk. D1, 11 miles northeast of Lockney.		
Brown surface materials		
	1	1
Red clay and sand		
	2	3
Green clay and sand		
	2	5
Fine-grained silty gray sand		
	2	7
Red clay, sand and caliche		
	1	8
Silty gray sand and caliche pebbles		
	3	11
Sand, gravel and caliche		
	7	18
Dec. 15, 1937.		

	Thickness (feet)	Depth (feet)
<u>Well 310</u>		
Side of draw, -- Lewis tract, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 25, H. & G. N. R. R. sur., blk. 1, 17 miles east of Floydada.		
Dark-brown surface materials		
	4	4
Orange-colored sand and gravel		
	5	9
Coarse-grained yellow sand, gravel and boulders		
	8	17
Brown clay and chalky sand		
	3	20
Jan. 25, 1938.		

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

	Thickness (feet)	Depth (feet)
<u>Well 311</u>		
Slope, -- Lewis tract, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 25, H. & G. N. R. R. sur., blk. 1, 16 $\frac{1}{2}$ miles east of Floydada.		
Brown surface materials -	4	4
Buff-colored sand with caliche and quartz pebbles- - - -	16	20
Orange-colored sand and boulders - - - -	3	23
Coarse-grained gray sand and gravel - - - -	8	31
Jan. 25, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 312</u>		
Bottom of draw, Matador Land and Cattle Co. tract, NW $\frac{1}{4}$ NE $\frac{1}{4}$ Matador Land and Cattle Co. subdivision, 16 miles east of Floydada.		
Silt, top soil and gravel - - - -	3	3
Red sand, quartz and caliche pebbles- - -	10	13
Loose-packed red sand and gravel - - - -	3	16
Jan. 25, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 313</u>		
Edge of scarp, Jim Taylor tract, NW $\frac{1}{4}$ NW $\frac{1}{4}$ Matador Land and Cattle Co. subdivision, 16 miles east of Floydada.		
Silty pink sand and caliche pebbles- - - -	26	26
Jan. 25, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 567</u>		
Floor of canyon, SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, blk. G, 6 miles southwest of Floydada.		
Red clay and sand- - -	11	11
Water level 4.1 feet below top of ground 20 hours after hole completed. Water sample collected. Jan. 27, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 568</u>		
Floor of canyon, NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, blk. G, 6 miles southwest of Floydada.		
Silty tan-colored sand and chalk - - - -	2	2
Red clay and sand- - -	5	7
Fine-grained red sand and clay - - - -	5	12
Water level, 3.9 feet below top of ground 20 hours after hole completed. Water sample collected. Jan. 27, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 569</u>		
Floor of canyon, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 20, blk. G, 6 miles southwest of Floydada.		
Black surface materials -	1	1
Tan-colored sand - - -	4	5
Sticky red clay - - -	4	9
Fine-grained tan-colored sand and red clay - -	9	18
Water level, 3.6 feet below top of ground 20 hours after hole completed. Water sample collected. Jan. 27, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 570</u>		
Bottom of draw, -- Daniels tract, NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 18, blk. G, 6 $\frac{1}{2}$ miles southwest of Floydada.		
Light-red clay and sand -	2	2
Silty buff-colored sand -	6	8
Sticky red clay and silt -	10	18
Water level, 7.8 feet below top of ground 48 hours after hole completed.		
Feb. 2, 1938		

	Thickness (feet)	Depth (feet)
<u>Well 571</u>		
Bottom of draw, -- Daniels tract, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 18, blk. G, 6 $\frac{1}{2}$ miles southwest of Floydada.		
Caliche, surface materials, and buff-colored sand -	2	2
Fine-grained buff-colored sand - - - - -	10	12
Red clay and sand with caliche pebbles- - -	2	14
Water level 2.7 feet below top of ground 48 hours after hole completed. Feb. 2, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 572</u>		
Floor of canyon, -- Daniels tract, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 18, blk. G, 6 $\frac{1}{2}$ miles southwest of Floydada.		
Sandy brown surface materials and reddish-colored clay - - - -		
	2	2
Reddish-colored clay and sand - - - - -	9	11
Silty buff-colored sand -	6	17
Water level, 11.7 feet below top of ground 48 hours after hole completed. Water sample collected. Feb. 2, 1938.		

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

	Thickness (feet)	Depth (feet)
<u>Well 573</u>		
Floor of canyon, NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 90, blk. G, 7 miles west of Floydada.		
Black surface materials -	1	1
Light-tan sand, chalk and black soil - - -	3	4
Sandy red clay - - -	2	6
Sandy red clay and silt with caliche pebbles -	3	9
Fine-grained buff-colored sand - - - - -	13	22
Water level, 11.7 feet below top of ground 12 hours after hole completed.		
Water sample collected. Jan. 27, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 574</u>		
Floor of canyon, SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 90, blk. G, 7 $\frac{1}{2}$ miles west of Floydada.		
Black surface materials -	2	2
Light-tan clay, silt and sand - - - - -	8	10
Sticky fine-grained buff- colored sand - - -	4	14
Water level, 10.8 feet below top of ground 12 hours after hole completed.		
Water sample collected. Jan. 29, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 575</u>		
Bottom of draw, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 90, blk. G, 8 miles west of Floydada.		
Black surface materials -	4	4
Light-tan chalk, clay and silt - - - - -	3	7
Silty tan-colored sand -	1	8
Silty tan-colored sand, clay and gravel- - -	5	13
Jan. 29, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 576</u>		
Bottom of draw, -- Grigsby tract, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 29, blk. G, 8 miles west of Floydada.		
Black surface materials -	3	3
Pinkish-colored clay, silt and caliche pebbles- -	5	8
Hard buff-colored sand -	1	9
Hard buff-colored silt, clay and sand - - -	6	15
Water level, 14.9 feet below top of ground 40 hours after hole completed.		
Jan. 31, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 577</u>		
Bottom of draw, J. H. Holmes tract, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29, blk. G, 8 $\frac{1}{2}$ miles west of Floydada.		
Black surface materials and gray sand - - - - -	2	2

	Thickness (feet)	Depth (feet)
<u>Well 577--Continued</u>		
White caliche- - - -	2	4
Pink and gray clay and caliche- - - - -	3	7
Buff-colored sand, clay and caliche pebbles- -	18	25
Water level, 11.2 feet below top of ground 48 hours after hole completed.		
Water sample collected. Jan. 31, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 578</u>		
Bottom of draw, John Gates tract, SW $\frac{1}{4}$ SW $\frac{1}{4}$ J. S. Fox tract, Callahan C. S. L., 9 miles west of Floydada.		
Black surface materials and caliche- - - -	2	2
Fine-grained greenish- colored sand, clay and chalk pebbles - - -	17	19
Silty red sand and clay -	3	22
Water level, 3.7 feet below top of ground 48 hours after hole completed. Water sample collected. Jan. 31, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 579</u>		
Bottom of draw, NE $\frac{1}{4}$ SW $\frac{1}{4}$ L. H. Mickey sub- division, Callahan C. S. L., 9 $\frac{1}{2}$ miles west of Floydada.		
Black surface materials -	2	2
Sandy white caliche - -	10	12
Water level, 2.6 feet below top of ground 48 hours after hole completed. Feb. 3, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 580</u>		
Bottom of draw, -- McClain tract, SE $\frac{1}{4}$ SE $\frac{1}{4}$ E. C. Fullingin subdivision, Callahan C. S. L., 9 $\frac{1}{2}$ miles west of Floydada.		
Black surface materials and boulders - - -	1	1
Sandy grayish-white caliche	2	3
Silty grayish-white sand -	4	7
Hard white caliche - -	10	17
Rod chalk, clay and silt -	5	22
Water level, 4.3 feet below top of ground 48 hours after hole completed. Water sample collected. Feb. 3, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 581</u>		
Bottom of draw, -- McClain tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ E. C. Fullingin subdivision, Callahan C. S. L., 9 $\frac{1}{2}$ miles west of Floydada.		
Black surface materials and caliche boulders - -	3	3
Hard gray caliche and caliche pebbles- - -	4	7
(Continued on next page)		

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

	Thickness (feet)	Depth (feet)
<u>Well 581--Continued</u>		
Pink caliche - - - -	4	11
Hard red chalk and sandy clay- - - - -	5	16
Water level, 8.1 feet below top of ground 48 hours after hole completed. Water sample collected. Feb. 3, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 582</u>		
Bottom of draw, -- McClain tract, SW $\frac{1}{4}$ NE $\frac{1}{4}$ E. C. Fullingin subdivision, Callahan C.S.L., 9 $\frac{1}{2}$ miles west of Floydada.		
Black surface materials and pebbles- - - - -	3	3
Sandy gray and pink caliche and caliche pebbles- -	6	9
Fine-grained red sand and gravel- - - - -	6	15
Water level, 9.4 feet below top of ground 48 hours after hole completed. Water sample collected. Feb. 3, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 583</u>		
Bottom of canyon, -- Jeter tract, NE $\frac{1}{4}$ SE $\frac{1}{4}$ C. H. Johnson 160 acres, Callahan C.S.L., 9 $\frac{1}{2}$ miles west of Floydada.		
Black surface materials -	2	2
Grayish-white caliche- -	3	5
Pink and gray caliche and caliche boulders - -	4	9
Silty pink clay and sand -	8	17
Water level, 6.3 feet below top of ground 48 hours after hole completed. Feb. 3, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 587</u>		
Bed of dry lake, -- Hubbard tract, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 42, blk. G, 8 miles northwest of Floydada. This log is one of 3 logs shown graphically on group 587 cross section in back of this report.		
Black surface materials -	2	2
Silty light-red sand and caliche pebbles- - -	2	4
Cream-colored silt and caliche pebbles- - -	2	6
Silty gray sand and chalk-	3	9
Silty red and gray sand -	2	11
Silty gray sand - - -	1	12
Gray and light-brown sand-	7	19
Chalky gray clay and sand with caliche pebbles -	1	20
Sandy grayish-white clay and caliche - - -	1	21
Greenish-gray clay and caliche - - - -	4	25

	Thickness (feet)	Depth (feet)
<u>Well 587--Continued</u>		
Rock - - - - -	-	25
Feb. 7, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 588</u>		
Bottom of dry lake, side of county road, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 38, blk. G, 6 miles northwest of Floydada. This log is one of 3 logs shown graphically on group 588 cross section in back of this report.		
Black soil and gray silt -	2	2
Sandy gray clay and chalk-	6	8
Loose-packed white caliche-	3	11
Caliche pebbles and caliche	6	17
Sandy caliche and gravel -	4	21
Rock - - - - -	-	21
Feb. 5, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 589</u>		
Edge of lake, side of county road, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 40, blk. G, 7 $\frac{1}{2}$ miles west of Floydada.		
Waxy black surface materials-	1	1
Sticky red sand, clay and gravel - - - - -	5	6
Chalky red and gray clay and sand - - - - -	1	7
Chalky gray clay and sand-	7	14
Chalky red and gray clay and sand - - - - -	1	15
Chalky gray clay and silt-	1	16
Sticky red clay and gray silt- - - - -	2	18
Sticky light-brown sand, and clay with caliche pebbles- - - - -	1	19
Soft white caliche and greenish-gray silt - -	3	22
Feb. 11, 1938.		

	Thickness (feet)	Depth (feet)
<u>Well 590</u>		
Bed of dry lake, side of county road, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 45, blk. G, 8 $\frac{1}{2}$ miles west of Floydada. This log is one of 3 logs shown graphically on group 590 cross sec- tion in back of this report.		
Reddish-brown surface materials - - - - -	1	1
Silty tan-colored sand and chalk pebbles - - -	7	8
Chalky gray sand and silt-	7	15
Chalky greenish-gray clay, sand and silt - - -	10	25
Hard grayish-white caliche-	6	31
Silty gray chalk, sand and gravel - - - - -	2	33
Feb. 15, 1938		

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

	Thickness (feet)	Depth (feet)
<u>Well 591</u>		
Edge of dry lake, -- Womack tract, cen. NE $\frac{1}{4}$ sec. 31, blk. G, 7 miles west of Floydada. This log is one of 15 logs shown graphically on group 591 cross section in back of this report.		
Black and brown surface materials - - - -	1	1
Silty brown clay and sand-	1	2

	Thickness (feet)	Depth (feet)
<u>Well 591--Continued</u>		
Silty grayish-white sand and caliche- - - -	10	12
Grayish-white caliche silt and gravel - - - -	2	14
Rock - - - - -		14
Feb. 28, 1938.		

Partial analyses of water from wells in Floyd 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. Stulken, D. F. Riddell, and H. T. Davidson, Chemists; and J. A. Harmaza Martin Wieland, and Jack Ramsey, Assistant Chemists. Nitrate determined by E. W. Lohr, U. S. Geological Survey. Results are in parts per million. Well numbers correspond to numbers in table of well records.)

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calculated)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calculated)
75	Irvin Bennett	123	Dec. 10, 1937	343	32	17	81	317	39	18	a/	150
77	-- Johnson	150	Dec. 18, 1937	323	40	46	20	329	39	16	a/	289
79	J. H. Fowler	123	Dec. 15, 1937	339	60	32	23	305	50	16	a/	280
80	Sim Reeves	110	Dec. 18, 1937	480	64	46	51	366	93	42	a/	349
81	T. J. Welsh	172	Dec. 15, 1937	275	54	29	12	281	25	17	a/	253
82	R. C. Bennett	146	Dec. 18, 1937	293	56	34	9	305	25	13	a/	281
86	Mason Davis	146	Dec. 15, 1937	331	47	35	30	287	50	28	a/	262
87	A. R. Meriwether	183	Dec. 16, 1937	387	53	35	48	360	47	27	a/	277
201	D. G. Garland	225	--	501	39	27	117	336	79	74	a/	207
203	Ivey J. Moon	262	Dec. 29, 1937	316	42	33	35	305	39	17	a/	240
204	J. A. Taylor	60	Dec. 30, 1937	601	-	-	-	409	107	73	a/	-
205	W. H. Davis	71	do.	1,868	28	46	593	488	561	400	-	259
206	Edgin School	105	Dec. 31, 1937	1,071	79	44	236	372	439	90	a/	377
207	H. C. Kell	110	do.	1,090	88	34	234	195	518	120	a/	361
208	E. W. Tibbetts	49	do.	862	25	48	230	451	139	142	56	260
209	W. W. Merrill	17	Dec. 30, 1937	395	-	-	-	421	11	22	a/	-
210	-- Howard	Spring	do.	364	37	27	67	317	57	20	a/	202
211	J. T. Persons	108	do.	1,929	162	120	303	146	928	340	a/	899
213	H. M. Welch	62	Dec. 28, 1937	459	-	-	-	317	68	44	26	-
214	Howard Bros.	Spring	do.	324	48	41	19	336	36	15	a/	291
215	W. P. A. test	24	Jan. 19, 1938	306	-	-	-	317	18	13	a/	-
216	do.	23	do.	328	-	-	-	390	28	18	a/	-
217	do.	6	do.	408	-	-	-	415	28	18	a/	-
218	do.	16	do.	219	34	20	20	189	25	13	a/	168
219	do.	12	do.	170	-	-	-	122	25	10	a/	-
221	do.	19	Jan. 11, 1938	260	-	-	-	244	14	16	a/	-
223	do.	25	do.	167	57	2	1	134	20	10	a/	151
224	W. D. Beedy	250	Jan. 1, 1938	339	76	35	5	329	35	26	a/	331
230	J. D. Childress	163	Dec. 20, 1937	319	50	30	32	311	36	18	a/	249
232	City of South Plains	181	Dec. 15, 1937	262	43	29	17	256	32	15	a/	228
235	J. V. Gilley	195	Dec. 27, 1937	305	36	34	34	281	39	24	a/	231

a/ Nitrate less than 20 parts per million.

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

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calculated)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calculated)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calculated)
236	H. B. Early	213	Dec. 28, 1937	356	45	36	42	336	43	25	a/	263
237	B. F. Harper	385	Dec. 27, 1937	357	51	27	52	342	36	23	a/	237
238	P. Gilbert	226/	do.	342	54	23	48	317	36	25	a/	229
239	C. C. Hawkins	299/	Dec. 28, 1937	286	64	18	22	287	25	16	a/	236
301	Mrs. H. S. Bolin	160	Jan. 13, 1938	339	48	39	29	323	38	26	a/	279
304	Paul Box	190	do.	325	47	38	25	305	38	27	a/	274
305	Jack Lackey	190	do.	312	47	27	36	305	32	8	a/	226
306	Geo. Meriwether	240	do.	331	32	17	76	305	34	22	a/	150
307	Pete McDonald	360	do.	629	17	1	238	500	72	55	a/	46
308	Mrs. L. H. Lewis	45	--	264	37	19	40	256	26	16	a/	172
309	do.	Spring	Jan. 27, 1938	461	56	17	100	293	39	105	a/	211
315	A. J. Swetston	280	Jan. 28, 1938	312	42	17	58	287	28	26	a/	175
316	J. M. Hicks	257	Jan. 10, 1938	289	47	25	27	250	25	24	a/	221
317	Fairview School	298	--	193	38	16	18	189	13	15	a/	150
318	C. F. Thorne	200	Jan. 11, 1938	372	77	24	29	311	38	31	20	290
319	B. R. Lybrand	160	do.	313	51	31	28	311	29	21	a/	254
320	Baptist Gen'l Conv. of Tex.	160	Jan. 12, 1938	-	-	-	-	-	35	19	a/	-
323	Center School	179	do.	235	39	25	19	256	13	13	a/	200
329	Mrs. S. H. Rushing	300	--	302	53	19	40	317	24	10	a/	212
330	Campbell School	190	Jan. 26, 1938	314	39	25	48	293	42	16	a/	201
332	J. H. Farmer	250	Jan. 28, 1938	307	51	19	43	287	28	25	a/	207
333	Fred Zimmerman	250	do.	313	47	25	44	329	10	25	a/	221
334	-- Hammond Est.	268	do.	422	26	14	119	317	64	36	a/	124
438	City of Lockney	282	Jan. 24, 1938	384	33	41	56	293	50	51	a/	250
522	W. E. Miller	226	May 14, 1937	341	50	43	20	323	46	23	a/	302
532	City of Floydada	160	Jan. 24, 1938	349	52	35	33	305	50	29	a/	271
566	-- Massey	Spring	Jan. 29, 1938	457	100	29	40	476	32	22	a/	368
567	W. P. A. test	11	Jan. 27, 1938	256	76	15	3	293	11	7	a/	254
568	do.	12	do.	262	-	-	-	244	20	8	a/	-
569	do.	18	do.	307	94	13	9	348	14	6	a/	288
571	do.	14	Feb. 2, 1938	300	-	-	-	317	14	13	a/	-
572	do.	17	do.	447	123	32	2	482	16	5	32	440
573	do.	22	Jan. 27, 1938	255	-	-	-	232	14	7	26	-
574	do.	14	Jan. 29, 1938	223	61	3	14	171	12	7	42	167

a/ Nitrate less than 20 parts per million.

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

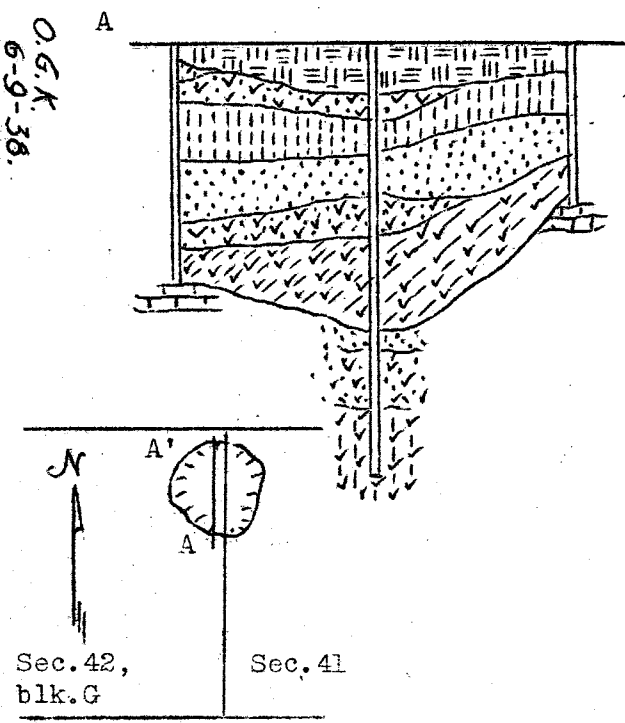
Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	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)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calculated)
577	W. P. A. test	25	Jan. 31, 1938	402	66	20	58	378	11	6	55	248
578	do.	22	do.	322	94	19	5	366	11	4	a/	312
579	do.	12	Feb. 3, 1938	309	-	-	-	342	15	5	a/	-
580	do.	22	do.	282	-	-	-	293	21	8	a/	-
581	do.	16	do.	258	79	8	12	293	11	4	a/	230
582	do.	15	do.	369	-	-	-	378	11	4	a/	-
583	do.	17	do.	235	74	6	7	232	11	3	a/	207
587-2	do.	45	Feb. 7, 1938	359	67	37	21	390	25	6	a/	318
591-6	do.	48	Mar. 2, 1938	370	-	-	-	415	12	8	a/	-
591-7	do.	49	do.	335	-	-	-	378	11	6	a/	-
591-8	do.	49	Mar. 4, 1938	303	-	-	-	317	14	7	a/	-
592	McCoy School	110	Jan. 29, 1938	251	46	30	7	201	24	45	a/	239
608	City of Dougherty	300/	--	328	32	29	55	293	46	18	a/	198
610	Baker School	210	Jan. 26, 1938	321	52	20	45	305	34	19	a/	213
614	Lakeview School	200/	Jan. 27, 1938	318	54	36	18	317	33	16	a/	282

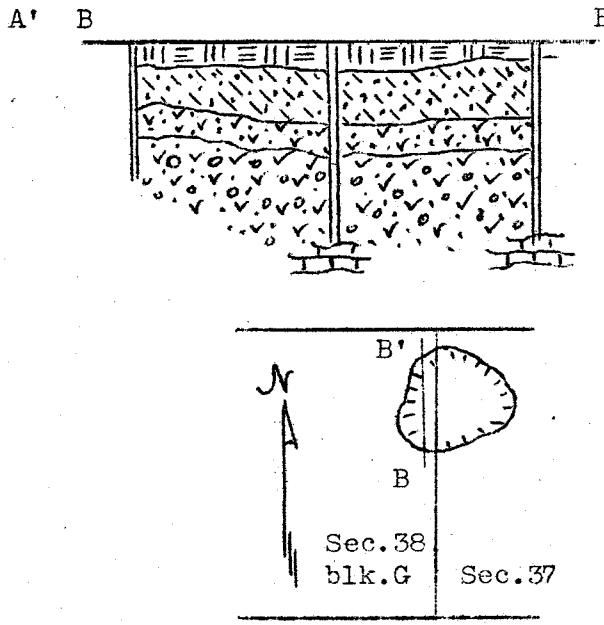
a/ Nitrate less than 20 parts per million.

SECTION A-A', B-B', AND C-C' EACH COMPILED FROM 3 TEST WELLS.

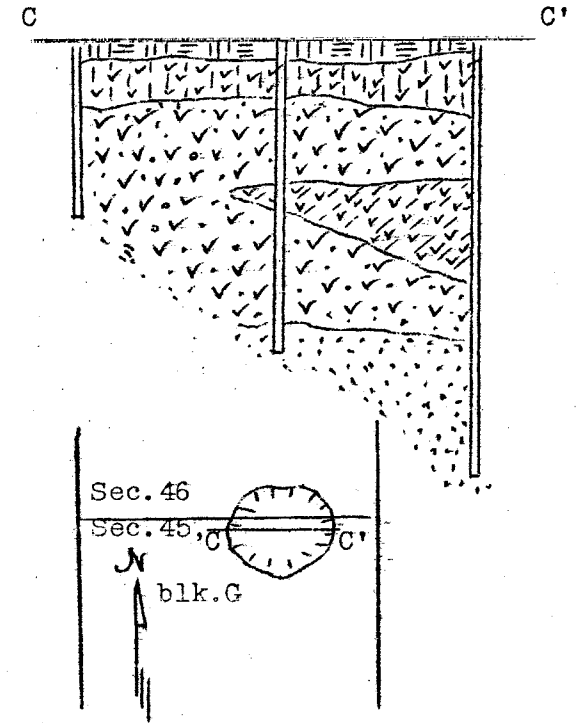
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6-9-38.



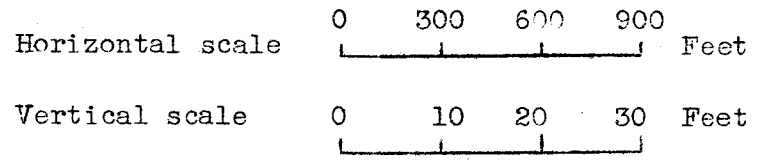
GROUP 587
W.P.A. TEST WELLS SHOWING SECTION ACROSS DRY LAKE IN NE $\frac{1}{4}$ SEC. 42, BLK. G, 8 MILES NORTHWEST OF FLOYDADA.











GROUP 588
W.P.A. TEST WELLS SHOWING SECTION ACROSS DRY LAKE IN NE $\frac{1}{4}$ SEC. 38, BLK. G, 6 MILES NORTHWEST OF FLOYDADA.



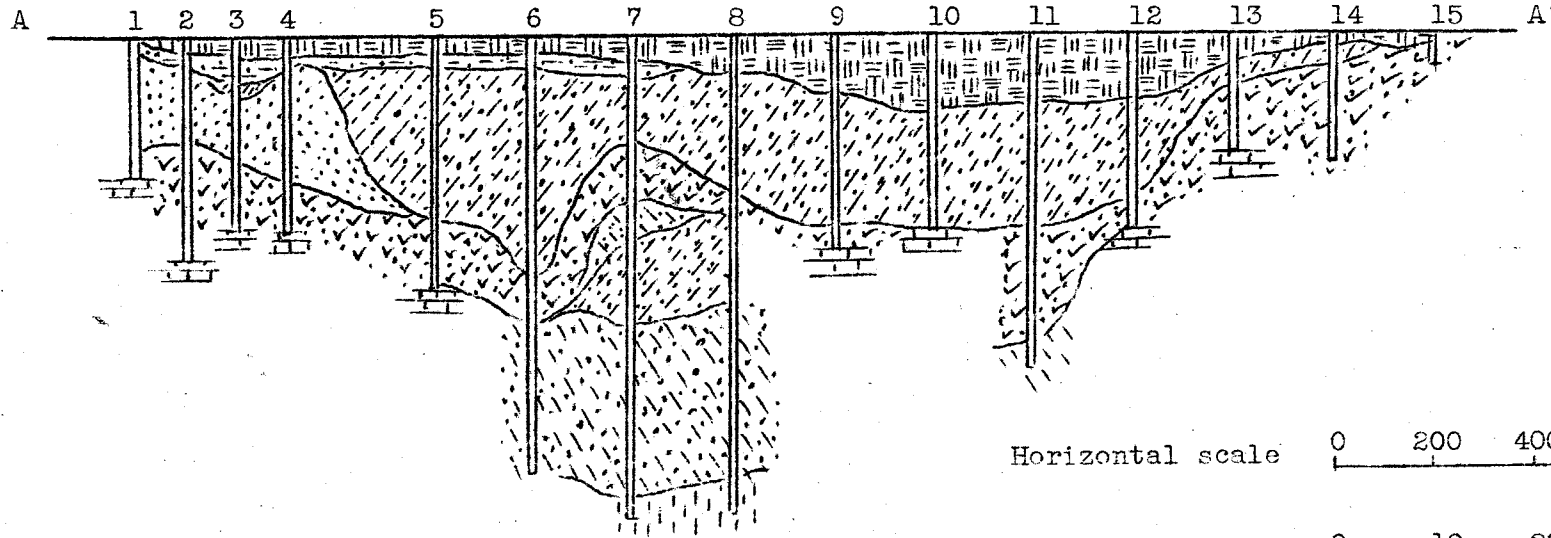
GROUP 590
W.P.A. TEST WELLS SHOWING SECTION ACROSS DRY LAKE IN NE $\frac{1}{4}$ SEC. 45, BLK. G, 8 $\frac{1}{2}$ MILES WEST OF FLOYDADA.



- | | | | |
|---|--------------------------------|---|--------------------------|
|  | Top soil |  | Sandy greenish-gray clay |
|  | Greenish-gray sand and caliche |  | Brown and gray sand |
|  | Gray sand and caliche |  | Sand, caliche and gravel |
| | |  | Red and gray sand |
| | |  | Red sand and caliche |

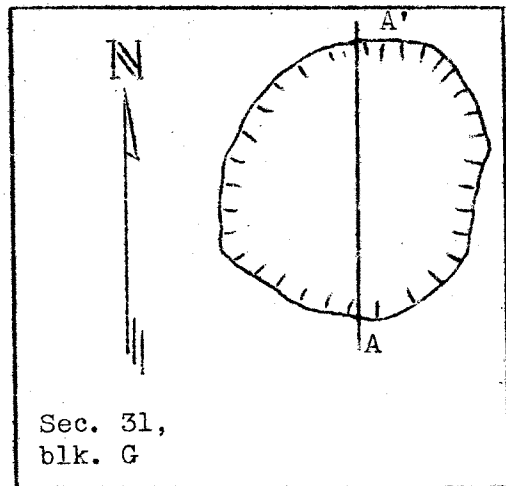
6-9-58.
O.G.K.

SECTION A-A' COMPILED FROM 15 TEST WELLS










Horizontal scale 0 200 400 600 Feet

Vertical scale 0 10 20 30 Feet



Sec. 31,
blk. G

-  Top soil
-  Greenish-gray sand and clay
-  Sandy brown and gray clay
-  Grayish-white sand
-  Red sand
-  Sand and caliche
-  Sandy red clay

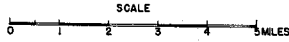
GROUP 591
W.P.A. TEST WELLS SHOWING
SECTION ACROSS DRY LAKE IN
NE 1/4 SEC. 31, BLK. G, 7 MILES
WEST OF FLOYDADA.

MAP OF FLOYD COUNTY, TEXAS. SHOWING LOCATIONS OF WATER WELLS LISTED

FIELD WORK BY
W. L. BROADHURST, J. W. LANG, G. H. SHAFER.

BASE COMPILED FROM
LAND OWNERSHIP MAP
AND FIELD NOTES

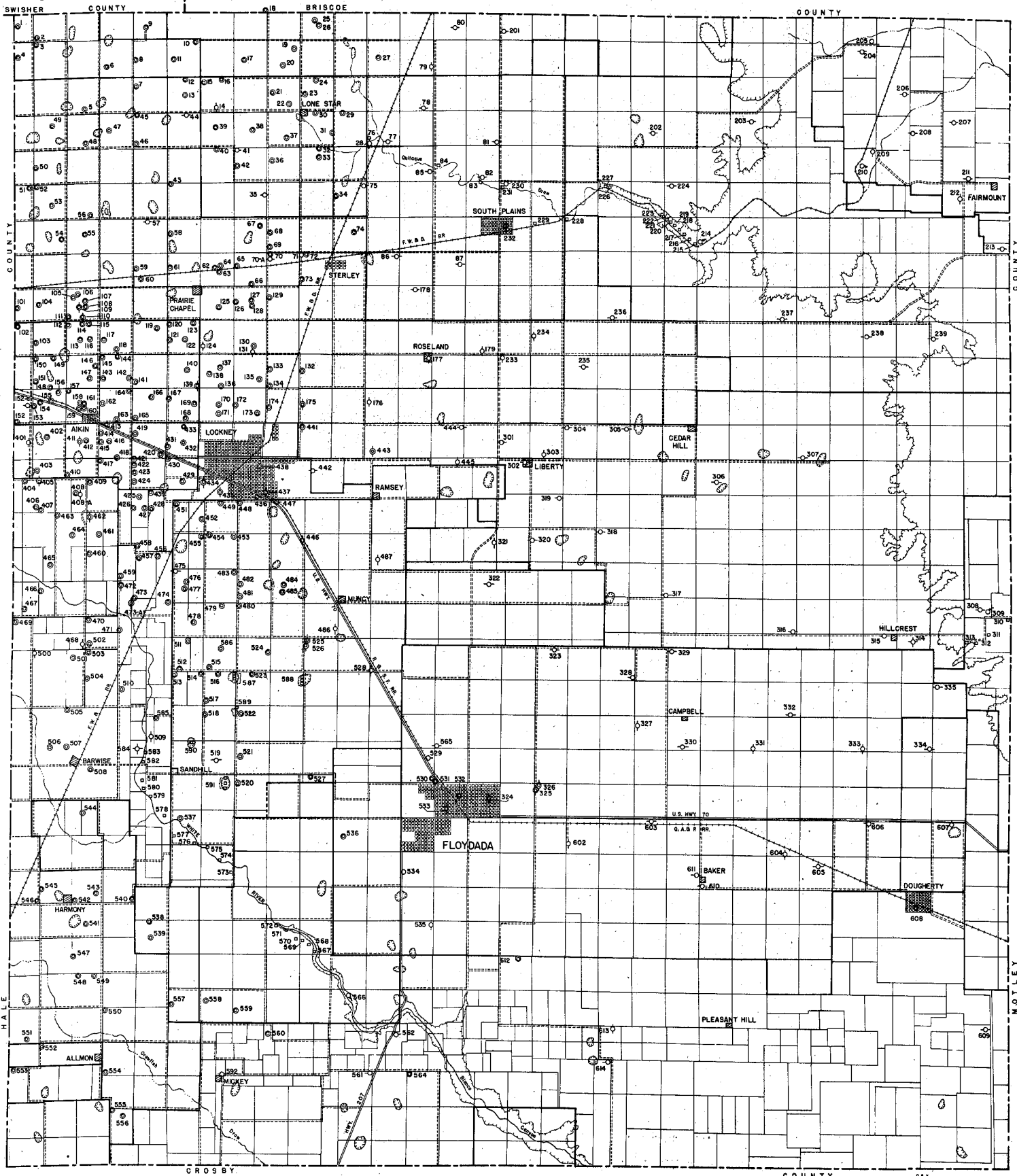
GEOLOGICAL SURVEY,
U. S. DEPARTMENT OF THE INTERIOR
COOPERATING WITH
TEXAS BOARD OF WATER ENGINEERS
AND
WORKS PROGRESS ADMINISTRATION



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
- ◇ UNUSED WELL
- TEST WELL DRILLED BY W.P.A. LABOR
- SPRING
- HIGHWAY
- - - COUNTY ROAD
- ~ ESCARPMENT
- SINK



COUNTY

COUNTY

COUNTY

CROSBY

COUNTY