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HOCKLEY COUNTY, TEXAS

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

* * *

By

Carl B. Mueller, Joe W. Lang and W. L. Broadhurst

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Prepared in cooperation with the United States Department of the Interior, Geological Survey, The Bureau of Industrial Chemistry of The University of Texas, and the Work Projects Administration. Ground-water survey project number 12943. Carl B. Mueller
Project Superintendent.

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Austin, Texas
May 4, 1940

HOCKLEY COUNTY, TEXAS

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Introduction
by
W. O. George
Assistant Geologist
United States Geological Survey

This publication consists of an assemblage of data, obtained in the course of a survey in Hockley County, Texas, consisting of records of 336 wells, 60 drillers' logs of wells and test holes, and 180 chemical analyses of water from wells and test holes. Records of a part of the irrigation wells listed were obtained by W. L. Broadhurst and J. W. Lang in 1937 in connection with the regular cooperative program of ground water studies in the Texas High Plains by the State Board of Water Engineers in cooperation with the United States Department of the Interior, Geological Survey. The records in most of the county were obtained in an inventory made by the Work Projects Administration. This survey (Work Project No. 12943, District 17, Lubbock) was started on March 17, 1939 and was completed September 16, 1939, with Carl B. Mueller as project superintendent. Mr. Lang assisted in the supervision of the project. C. R. Follett, Engineer of the State Board of Water Engineers collected all of the information in the Ropesville area.

Sufficient water for domestic needs and for stock appears to be available in all parts of the county. In the northeast portion of the county, which is a part of the Lubbock-Littlefield irrigation district, a considerable area is irrigated by water pumped from wells.

Two preliminary papers on ground water in the High Plains in Texas by Walter N. White, W. L. Broadhurst and J. W. Lang which include a discussion of the Lubbock-Littlefield area have already been issued, and a more complete report is being prepared.

The analyses were made by chemists employed on Work Projects Administration Project No. 10443 under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry, University of Texas, and E. W. Lohr, Chemist of the Quality of Water Division of the Federal Geological Survey. The Bureau of Industrial Chemistry furnished laboratory space and equipment. The analyses in this release are tabulated in parts per million. A number of these analyses are also given in milligram equivalents per liter for the convenience of those who prefer this form of expressing the quality of water.

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

The records serve as a guide to land owners, well drillers, and others who need information regarding wells, the depth to ground water in different parts of the county, and the quality and chemical character of water yielded by the wells. They afford a basis for the more intensive investigation that is now being carried on by the State Board of Water Engineers in cooperation with the Federal Geological Survey. The purpose of this investigation is to determine the distribution and extent of the available ground-water supplies, and the safe yield of the underground reservoirs.

Records of wells in Hockley County, Texas

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

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

No.	Distance from Levelland	Section or labor	Survey, block or league	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
d/ 1	16 $\frac{1}{2}$ miles east	11, SE $\frac{1}{4}$ SE $\frac{1}{4}$	lge. 2 Jones Co. School Land	D. D. Cross	1937	180	15 $\frac{1}{2}$	1.5
d/ 2	do.	do.	do.	do.	1937	131	20	0.2
d/ 3	do.	11, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	1937	185	16	0.2
d/ 4	14 $\frac{1}{2}$ miles east	14, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	H. Willbanks	1928	116	6	1.0
d/ 5	12 $\frac{1}{4}$ miles east	7, SE cor. SE $\frac{1}{4}$	lge. 1 Santa Fe R.R.	Santa Fe R. R.	--	122	7	1.6
d/ 6	9 $\frac{1}{2}$ miles east	7, SW $\frac{1}{4}$ NW $\frac{1}{4}$	blk. A Public School Land	Elwood Est.	1916	138	8	0.8
d/ 7	6 $\frac{3}{4}$ miles east	4, SW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	J. N. Pickard	--	100+	15 $\frac{1}{2}$	0.8
d/ 8	7 miles east	4, SE $\frac{1}{2}$ NW $\frac{1}{4}$	do.	J. H. Goodpasture	--	110	6	3.6
d/ 9	5 $\frac{1}{2}$ miles northeast	24, SE $\frac{1}{2}$ SE $\frac{1}{4}$	lge. 729	Mrs. W. T. Davidson	1930	117	4 $\frac{1}{2}$	0.7
d/ 11	4 $\frac{3}{4}$ miles east	2, SW $\frac{1}{2}$ NW $\frac{1}{4}$	blk. A Public School Land	S. C. Cummings	1925	112	6	0.8
d/ 12	$\frac{1}{8}$ mile northeast	3, SW $\frac{1}{4}$ SE $\frac{1}{4}$	lge. 28	W. D. Green	Old	124	6	0.3
d/ 14	2 $\frac{1}{4}$ miles west	3, SE $\frac{1}{4}$ SE $\frac{1}{4}$	lge. 72 Val Verde Co. School Land	W. C. Ryan	1934	128	6	0.6
d/ 16	6 $\frac{1}{2}$ miles northwest	2, SE $\frac{1}{4}$ SE $\frac{1}{4}$	lge. 70 Val Verde Co. School Land	Riley Butler	1927	126	6	0.6
d/ 17	6 $\frac{1}{2}$ miles west	24, SE cor. SE $\frac{1}{4}$	do.	Post Est.	1930	138	6	1
d/ 18	7 $\frac{1}{4}$ miles west	21, SW $\frac{1}{4}$ SE $\frac{1}{4}$	lge. 67 Hardeman Co. School Land	W. T. Coble	1920	140	6	0.4
d/ 19	10 miles west	30, NW $\frac{1}{4}$ NW $\frac{1}{4}$	lge. 65 Hardeman Co. School Land	Mrs. W. T. Coble	Old	154	6	0.2
d/ 20	11 $\frac{3}{4}$ miles west	14, SW cor. SW $\frac{1}{2}$	S. M. Bailey	--	1922	152	6	--
d/ 21	17 $\frac{1}{2}$ miles southeast	1, NW $\frac{1}{4}$ SE $\frac{1}{4}$	blk. 0 Public School Land	Mrs. Ava Gibson	1922	103	6	0.6
d/ 22	do.	--	---	--	1937	117	6	0.5
d/ 23	18 $\frac{1}{2}$ miles southeast	6, SW $\frac{1}{2}$ SW $\frac{1}{4}$	blk. D Public School Land	George Simmons	--	114	6	0.7

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

b/ B, bucket; C, cylinder; W, windmill; H, hand; G, gasoline; E, electric; number indicates horsepower.

Records obtained by Carl B. Mueller, Project Superintendent
and Joe W. Lang of the Texas Board of Water Engineers

No.	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
	Depth below measuring point (ft.)	Date of measurement				
1	82.1	June 18, 1937	T,G, 28	I	Gentle slope	Abandoned 1939. Reported 6 feet of sand at 168 feet. Capacity less than 200 gallons a minute. Drilled by -- Peoples.
2	80.7	do.	--	N	do.	Original depth, 587 feet. Salt water reported at 548 feet; "Red Beds" at 365 feet. Well plugged back to 131 feet. Weak supply from fine sand
3	81.9	July 27, 1937	--	N	Ridge-top	Reported too weak for irrigation. No pumping well within 1,000 feet. Large unused well with water 0.35 mile northeast. Unused well
4	104.7	June 18, 1937	C,W	D,S	Gentle slope	Iron casing. Windmill pumping 500 feet north east at time of measurement.
5	93.3	June 19, 1937	C,W	Ind	do.	Iron casing. No pumping wells within 900 feet. Reported seldom used.
6	116.2	do.	C,W	D,S	Ridge-top	Iron casing 10 feet.
7	88.9	July 30, 1937	T,G, --	I	Gentle slope	Steel casing. Reported yield, 200 gallons per minute. Well is now unused.
8	80.4	June 19, 1937	C,W	I	Flat	Supplies water for garden and truck farm
9	78.6	June 21, 1937	S	N	Gentle slope	Galvanized iron casing. Unused well.
11	79.0	do.	C,W	D,S	do.	Galvanized iron casing. Water from coarse sand and gravel from 112 to 116 feet. Water level reported 60 feet when drilled. Drilled
12	96.1	June 19, 1937	C,W	D,S	do.	Pump shut off about $\frac{1}{2}$ hour before measurement was made. by S. C. Cummings.
14	102.6	do.	C,H	S	do.	Reported seldom used. Drilled by J. Pettit.
16	107.7	June 21, 1937	C,H	N	do.	Galvanized iron casing. Reported seldom used.
17	119.8	do.	C,W	D,S	do.	Reported dependable supply.
18	133.6	June 19, 1937	C,W	N	Ridge-top	Unused well.
19	144.3	June 21, 1937	--	N	Gentle slope	Galvanized iron casing. Unused well.
20	132.8	do.	--	N	do.	Do.
21	80.2	June 24, 1937	C,W	D,S	do.	Lake with water in it about $\frac{1}{4}$ mile southwest.
22	87.5	do.	C,W	D	do.	Reported weak supply.
23	90.1	June 23, 1937	C,W	D,S	do.	Reported dependable supply.

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

d/ No water sample collected for analysis.

e/ Water level reported.

* Unit number refers to farm number of U. S. Department of Agriculture -- Farm Security Administration.

Records of wells in Hockley County--Continued

No.	Distance from Anton	Section or labor	Survey, block or league	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
d/ 24	2 miles southeast	99, SW $\frac{1}{4}$ NW $\frac{1}{4}$	blk. A R. M. Thompson	Roy Hughen	--	37	6	0.4
d/ 25	$\frac{3}{4}$ mile southeast	105, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Texas Hwy. Dept.	--	50	5	0.6
d/ 27	$\frac{1}{4}$ mile northwest	106, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	L. Elwood	--	37	5	0.6
d/ 28	$\frac{3}{4}$ mile southwest	106, NW cor. SW $\frac{1}{4}$	do.	Jackson & Whitfield	1937	100	15 $\frac{1}{2}$	2.3
d/ 29	1 $\frac{1}{2}$ miles northwest	123, SW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	A. L. Lindsey	1929	38	6	1.0
d/ 30	16 miles southeast	SE $\frac{1}{4}$ NE $\frac{1}{4}$	blk. I Public School Land	O. E. Lucas	1934	96	5	0.5
d/ 31	17 $\frac{3}{4}$ miles southeast	--	--	City of Ropes	1936	114	5	0.5
d/125	3 $\frac{3}{4}$ miles southeast	87, NE $\frac{1}{2}$ SW $\frac{1}{4}$	blk. A R. M. Thompson	E. F. Allen	1937	100+	--	--
d/126	3 miles south	89, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	W. M. Alexander	1937	105	15 $\frac{1}{2}$	0.8
d/127	do.	90, SE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	I. L. Elwood Est.	--	40	6	--

No.	Distance from Whitharra	Section or labor	Survey, block or league	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
d/200	15 $\frac{3}{4}$ miles west	7, SW $\frac{1}{4}$ SW $\frac{1}{2}$	lge. 699	Yellowhouse Land Co.	1939	70	--	0.8
201	15 miles west	13, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	E. Royek	Old	119	--	0.5
d/202	13 $\frac{3}{4}$ miles northwest	6, SW $\frac{1}{4}$ SW $\frac{1}{4}$	lge. 698	P. Schah	--	102	--	0.2
203	12 $\frac{1}{4}$ miles northwest	12, NW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	M. T. Scott	1928	97	--	0.8
d/204	do.	23, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	Yellowhouse Land Co.	1939	90	--	0.9
205	14 miles west	22, NE $\frac{1}{2}$ NE $\frac{1}{4}$	lge. 699	H. J. Greener	1929	109	--	0.8
d/206	14 $\frac{1}{2}$ miles west	23, NW $\frac{1}{2}$ NE $\frac{1}{2}$	do.	Yellowhouse Land Co.	1939	83	--	1
207	15 $\frac{1}{2}$ miles west	6, NE $\frac{1}{4}$ NW $\frac{1}{4}$	lge. 702	do.	Old	97	--	1.4
d/208	14 $\frac{1}{4}$ miles west	8, NW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	J. R. Silah	1939	145	--	--
d/209	13 $\frac{1}{2}$ miles west	11, NW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	Amicable Life Ins. Co.	Old	140	--	--
d/210	do.	19, SE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	Yellowhouse Land Co.	1939	--	--	1.1

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

b/ B, bucket; C, cylinder; W, windmill; H, hand; G, gasoline; E, electric; number indicates horsepower.

Records obtained by Carl B. Mueller, Project Superintendent
 and Joe W. Lang of the Texas Board of Water Engineers

No.	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
	Depth below measuring point (ft.)	Date of measurement				
24	28.6	Aug. 16, 1937	B	D,S	Gentle slope	Reported not used in 1938.
25	29.3	do.	--	N	do.	Unused well.
27	30.4	Sept. 22, 1937	None	N	do.	Do.
28	34.8	do.	T,G, 40	I	do.	Steel casing to 100 feet. Irrigated approximately 130 acres in 1937. Drilled by
29	28.9	Aug. 16, 1937	C,H	D,S	do.	Irrigation well pumping $\frac{3}{4}$ mile away at time of measurement. -- Whitfield.
50	68.8	Apr. 26, 1938	None	N	do.	Unused well.
31	98.6	do.	None	N	--	Unused well. Drilled by C. Allen.
125	65.7	May 5, 1938	None	N	Gentle slope	Reported weak supply. Unused well.
126	29.3	May 6, 1938	None	N	do.	Steel casing. Main supply from yellow sand from 97 to 102 feet. Capacity less than 400 gallons a minute. Unused well. Drilled by
127	25.6	do.	None	N	do.	Unused well. H. F. Bishop.

No.	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
	Depth below measuring point (ft.)	Date of measurement				
200	64.6	Aug. 9, 1939	None	N	Gentle slope	Seismograph shot hole.
201	79.3	Aug. 3, 1939	C,H	--	do.	Unused well.
202	86.0	do.	None	P,S	Flat	Reported unused at present.
203	46.7	Apr. 11, 1939	C,W	D,S	do.	Reported dependable supply.
204	72.5	Aug. 9, 1939	None	N	do.	Seismograph shot hole.
205	86.4	Aug. 3, 1939	C,W	D,S	do.	Reported dependable supply.
206	81.7	Aug. 9, 1939	None	N	do.	Seismograph shot hole.
207	86.1	Aug. 8, 1939	C,W	S	In draw	Reported dependable supply.
208	--	--	None	N	Gentle slope	Seismograph shot hole. No water in hole.
209	100	e/	C,W	N	Flat	Unused well.
210	92.8	Aug. 8, 1939	None	N	do.	Seismograph shot hole.

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

d/ No water sample collected for analysis.

e/ Water level reported.

* Unit number refers to farm number of U. S. Department of Agriculture - Farm Security Administrator

Records of wells in Hockley County--Continued

No.	Distance from Whitharrel	Section or labor	Survey, block or league	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
d/211	12 $\frac{3}{4}$ miles west	15, SW $\frac{1}{4}$ SW $\frac{1}{4}$	lge. 703	Yellowhouse Land Co.	1939	89	--	1.2
212	11 $\frac{3}{4}$ miles west	91, SW $\frac{1}{4}$ SW $\frac{1}{4}$	lge. 76	R. L. Johnson	--	95	--	0.2
d/213	9 $\frac{3}{4}$ miles west	83, NE $\frac{1}{4}$ NE $\frac{1}{4}$	lge. 75 Haskell Co. School Land	J. A. Fincannon	1939	85	--	1.4
214	10 $\frac{1}{4}$ miles west	96, NE $\frac{1}{4}$ NE $\frac{1}{4}$	lge. 76 Haskell Co. School Land	T. J. Richardson	1932	116	--	--
d/215	11 $\frac{1}{4}$ miles west	19, SW $\frac{1}{4}$ SW $\frac{1}{4}$	lge. 703	Yellowhouse Land Co.	1939	74	--	1.3
216	10 $\frac{1}{2}$ miles west	20, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	Old	109	--	0.8
d/217	11 miles west	1, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	J. P. White Co.	1939	129	--	1.3
218	10 $\frac{1}{2}$ miles west	10, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	W. G. LeCroy	--	112	--	--
219	7 $\frac{3}{4}$ miles west	6, SE $\frac{1}{4}$ SW $\frac{1}{4}$	lge. 705	Yellowhouse Land Co.	Old	13	--	--
d/220	7 $\frac{1}{2}$ miles northwest	7, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	C. E. Denny	1939	15+	--	--
221	do.	12, NE $\frac{1}{4}$ NE $\frac{1}{4}$	lge. 696	Yellowhouse Land Co.	Old	160	--	--
222	6 miles northwest	25, NE $\frac{1}{4}$ NE $\frac{1}{4}$	lge. 695	-- Allen	1927	173	--	0.2
223	6 $\frac{1}{2}$ miles northwest	9, SW $\frac{1}{4}$ SW cor.	do.	H. A. Pierce	Old	270	--	--
224	4 $\frac{1}{2}$ miles northwest	2, SW $\frac{1}{4}$ SW cor.	lge. 706	W. O. Tipton	1930	69	--	0.1
d/225	5 miles northwest	7, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	G. H. Gilley	Old	55	--	0.7
d/226	3 $\frac{1}{2}$ miles northwest	15, NW $\frac{1}{4}$ NW $\frac{1}{4}$	lge. 707	J. H. Hartman	Old	74	--	--
227	3 $\frac{1}{4}$ miles northwest	20, NE $\frac{1}{4}$ NE $\frac{1}{4}$	lge. 706	C. D. Waters	1936	80	--	--
d/228	4 $\frac{1}{2}$ miles west	6, NE $\frac{1}{4}$ NE $\frac{1}{4}$	lge. 717	Yellowhouse Land Co.	1939	45+	--	1.5
229	3 $\frac{1}{4}$ miles west	8, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	C. O. Helms	Old	71	--	0.3
d/230	4 $\frac{1}{4}$ miles west	15, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Yellowhouse Land Co.	1939	53	--	--
239	5 $\frac{1}{4}$ miles west	21, NW $\frac{1}{4}$ NW $\frac{1}{4}$	lge. 718	E. Pfeifer	Old	94	--	0.8
v/240	do.	20, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Yellowhouse Land Co.	1939	114+	--	1.2
d/241	7 $\frac{1}{2}$ miles west	15, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	do.	Old	20	--	0.2
d/242	8 $\frac{1}{2}$ miles west	69, NW $\frac{1}{4}$ NW $\frac{1}{4}$	lge. 75 Haskell Co. School Land	G. C. Perry	1939	83	--	1.1
d/243	6 $\frac{3}{4}$ miles west	7, NE $\frac{1}{4}$ NE $\frac{1}{4}$	lge. 719	W. M. Dozier	1939	100+	--	1.2
244	7 $\frac{1}{4}$ miles southwest	17, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	R. J. Hamill	Old	118	--	0.6

Records obtained by Carl B. Mueller, Project Superintendent
 and Joe W. Lang of the Texas Board of Water Engineers

No.	Water level		Pump and power b/	Use of water c/	Topo- graphic situa- tion	Remarks
	Depth below measur- ing point (ft.)	Date of measure- ment				
211	84.6	Aug. 8, 1939	None	N	In draw	Seismograph shot hole. Near lake containing 5 feet of water.
212	66.4	July 12, 1939	C,W	D,S	Near creek	Unused at present. Reported dependable supply.
213	81.3	Aug. 8, 1939	None	--	Flat	Seismograph shot hole.
214	90	Aug. 7, 1939	C,W	D,S	Near creek	Reported weak supply.
215	71.7	Aug. 9, 1939	--	N	In lake	Seismograph shot hole.
216	97.0	Aug. 7, 1939	C,W	D,S	Flat	Reported strong supply.
217	95.6	Aug. 8, 1939	None	--	do.	Seismograph shot hole.
218	108	Apr. 11, 1939	C,W	D,S	do.	Pumps dry in 2 to 3 hours.
219	--	--	None	D,S	Gentle slope	Flowing well. Water has odor of hydrogen sulphide.
220	8.3	Aug. 7, 1939	None	N	Flat	Seismograph shot hole.
221	129	June 26, 1939	C,W	D,S	do.	Reported strong supply.
222	139.3	June 28, 1939	C,W	D,S	do.	Do.
223	180	e/	C,W	D,S	do.	Do.
224	58.6	Apr. 4, 1939	C,W	D,S	do.	Do.
225	32.0	Apr. 18, 1939	C,W	--	do.	Unused at present.
226	49.5	June 28, 1939	None	N	Gentle slope	Unused well.
227	45	Apr. 25, 1939	C,W	D,S	Flat	Reported strong supply.
228	27.5	Aug. 1, 1939	None	--	In draw	Seismograph shot hole.
229	52.0	Apr. 21, 1939	C,W	D,S	Flat	Reported strong supply.
230	49.7	Aug. 1, 1939	None	--	--	Seismograph shot hole.
239	72.8	Apr. 19, 1939	C,W	D,S	On ridge	Reported strong supply. Near two dry lakes.
240	70.4	Aug. 1, 1939	None	--	--	Seismograph shot hole.
241	16.8	Apr. 26, 1939	C,W	S	Gentle slope	Reported strong supply.
242	80.7	Aug. 9, 1939	None	--	Flat	Seismograph shot hole.
243	91.7	Aug. 8, 1939	None	--	do.	Do.
244	107.1	Apr. 11, 1939	C,W	D,S	do.	Reported strong supply.

Records of wells in Hockley County--Continued

No.	Distance from Whitharrel	Section or labor	Survey, block or league	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
d/245	9 miles west	29, NW ¹ / ₄ NW ¹ / ₄	lge. 74 Haskell Co. School Land	Haskell County	1939	103	--	1.3
d/246	9 ¹ / ₂ miles west	18, NW ¹ / ₄ NW ¹ / ₄	lge. 74	S. Sheet	Old	113	--	0.4
247	12 miles west	3, NE ¹ / ₂ NE ¹ / ₄	lge. 78 Reeves Co. School Land	A. N. Riley	Old	154	--	--
d/248	12 ³ / ₄ miles west	24, NW ¹ / ₂ NW ¹ / ₄	lge. 77 Reeves Co. School Land	Ira P. DeLoache	--	124	--	0.3
249	13 ¹ / ₂ miles west	20, NW ¹ / ₄ NE ¹ / ₄	lge. 80	do.	Old	115	--	0.2
250	14 ³ / ₄ miles west	17, SE ¹ / ₂ SE ¹ / ₄	lge. 80 Reeves Co. School Land	do.	Old	135	--	0.1
251	15 ³ / ₄ miles west	20, SE ¹ / ₂ NE ¹ / ₂	lge. 83	A. D. Slaughter	1932	173	--	1.0
252	16 miles west	15, SW ¹ / ₂ SE ¹ / ₂	lge. 81	Ira P. DeLoache	Old	156	--	0.6
d/253	10 ³ / ₄ miles southwest	6, SE ¹ / ₂ SE ¹ / ₂	lge. 73 Haskell Co. School Land	A. N. Riley	1936	165	--	--
d/254	9 ¹ / ₂ miles southwest	8, NE ¹ / ₂ NE ¹ / ₂	do.	A. B. Lawson	1937	190	12	--
255	8 miles southwest	7, NE ¹ / ₂ NE ¹ / ₂	lge. 732	Hamill Bros.	Old	142	--	0.3
d/256	8 ¹ / ₄ miles southwest	19, SW ¹ / ₄ SW ¹ / ₄	do.	W. O. Shaw	Old	174	5	1.5
262	7 ¹ / ₂ miles southwest	16, SE ¹ / ₂ SE ¹ / ₂	lge. 731	Z. B. Pirtle	--	120	--	0.9
263	6 ³ / ₄ miles southwest	18, SE ¹ / ₄ SE ¹ / ₂	do.	S. H. Davidson	1927	149	--	--
d/264	6 miles southwest	11, SE ¹ / ₄ SE ¹ / ₂	do.	E. A. Hankins	1939	118	--	0.7
265	do.	13, NE ¹ / ₂ NE ¹ / ₄	do.	J. S. S. Hart	1934	117	--	1.0
275	4 ³ / ₄ miles southwest	1, SE ¹ / ₂ NE ¹ / ₂	do.	B. D. Barker	Old	135	--	--
276	5 ¹ / ₂ miles southwest	24, SE ¹ / ₄ SW ¹ / ₂	lge. 720	B. K. Hamrick	Old	138	--	1.0
277	6 ¹ / ₂ miles southwest	21, SE ¹ / ₄ SE ¹ / ₂	lge. 719	T. Summers	Old	145	--	0.9
278	6 ³ / ₄ miles southwest	2, SE ¹ / ₂ NE ¹ / ₂	lge. 732	L. E. Mitchell	Old	142	--	0.1
d/279	5 ¹ / ₂ miles southwest	15, SW ¹ / ₄ SW ¹ / ₂	lge. 720	Dorothy Mitchell	Old	126	--	0.3
d/280	4 miles southwest	8, SE ¹ / ₂ NE ¹ / ₂	do.	J. R. Williams	Old	115	--	0.5
d/281	3 ¹ / ₂ miles southwest	3, NE ¹ / ₂ NE ¹ / ₂	do.	I. D. White	1939	68	--	1.5
282	3 ¹ / ₄ miles southwest	6, SW ¹ / ₄ SW ¹ / ₂	lge. 721	J. S. Fox	Old	108	--	1.6
283	1 ³ / ₄ miles southwest	23, NW ¹ / ₄ SW ¹ / ₂	lge. 716	C. Millsap	Old	67	--	0.4
284	1 mile south	21, NW ¹ / ₄ NW ¹ / ₂	lge. 716	C. E. Pendergrass	Old	81	--	1.3

Records obtained by Carl B. Mueller, Project Superintendent
 and Joe W. Lang of the Texas Board of Water Engineers

No.	Water level		Pump and power b/	Use of water c/	Topo- graphic situa- tion	Remarks
	Depth below measur- ing point (ft.)	Date of measure- ment				
245	101.9	Aug. 9, 1939	None	--	--	Seismograph shot hole.
246	91.3	Apr. 21, 1939	--	--	Flat	Unused well.
247	70	e/	C,W	I	do.	Irrigates garden.
248	102.9	July 12, 1939	C,W	D,S	Gentle slope	Unused well at present. Reported strong supply.
249	82.6	May 5, 1939	C,W	D,S	do.	Reported strong supply. Water level recovered 3 feet in $\frac{1}{2}$ hour after pumping 3 gallons a
250	98.7	Aug. 2, 1939	C,W	D,S	Flat	Reported strong supply. minute.
251	101.0	May 16, 1939	C,W	D,S	do.	Do.
252	144.9	do.	C,W	D,S	Gentle slope	Do.
253	90	Apr. 21, 1939	T,G	I	Flat	Reported strong supply. Reported capacity 1,000 gallons a minute.
254	124	e/	T,G, 50	I	Slight rise	Reported capacity 700 gallons a minute.
255	120.7	Apr. 27, 1939	C,W	D,S	Flat	Reported strong supply.
256	110.6	Apr. 11, 1939	None	N	do.	Unused well.
262	102.6	do.	C,W	D,S	Gentle slope	Reported strong supply. Near small dry lake.
263	79	e/	C,W	D,S	Flat	Reported weak supply.
264	102.2	Sept. 13, 1939	C,H	D	do.	Reported strong supply. Drilled by L. A. Peeples.
265	99.7	Apr. 18, 1939	C,W	D,S	do.	Do.
275	108	e/	C,W	D,S	do.	Do.
276	110	e/	C,W	D,S	do.	Do.
277	119.8	Apr. 18, 1939	C,W	D,S	Gentle slope	Do.
278	120.5	Apr. 20, 1939	C,W	--	Flat	Well unused at present.
279	108.0	Aug. 8, 1939	C,W	D,S	do.	Well unused at present. Reported strong supply.
280	97.3	Apr. 11, 1939	--	--	do.	Well unused at present.
281	65.0	Aug. 10, 1939	None	--	do.	Seismograph shot hole.
282	101.1	Sept. 13, 1939	C,W	D,S	do.	Reported strong supply.
283	50.2	Apr. 18, 1939	C,H	--	do.	Unused well.
284	53.9	June 23, 1939	C,W	D,S	do.	Reported strong supply.

Records of wells in Hockley County--Continued

No.	Distance from Whitharrel	Section or labor	Survey, block or league	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
d/285	2 $\frac{3}{4}$ miles south	13, NW $\frac{1}{4}$ NW $\frac{1}{4}$	lge. 721	J. T. Stevens	Old	78	--	0.5
286	2 $\frac{1}{2}$ miles south	9, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Yellowhouse Land Co.	Old	78	--	1.0
287	3 miles southeast	14, NE $\frac{1}{4}$ NE $\frac{1}{4}$	lge. 722	W. H. Abernathey	Old	108	--	--
288	4 $\frac{3}{4}$ miles south	3, NW $\frac{1}{4}$ SW $\frac{1}{4}$	lge. 729	Nettie Holley	Old	101	--	1.6
239	5 $\frac{1}{4}$ miles south	12, SW $\frac{1}{4}$ NE $\frac{1}{4}$	lge. 730	Henry Fietz	Old	122	--	1.2
290	6 miles southeast	11, NW $\frac{1}{4}$ SW $\frac{1}{4}$	lge. 729	J. W. Christian	Old	97	--	0.5
291	6 $\frac{1}{2}$ miles southeast	15, NE $\frac{1}{4}$ NE $\frac{1}{4}$	lge. 728	L. P. Edrington	Old	103	--	0.7
292	1 $\frac{3}{4}$ miles southeast	23, NW $\frac{1}{4}$ NW $\frac{1}{4}$	lge. 715	Mrs. N. R. Keeney	1925	99	4	1.0
293	2 $\frac{1}{2}$ miles east	11, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	P. H. Howry	1928	75	--	--
294	3 $\frac{1}{2}$ miles east	5, NE $\frac{1}{4}$ NW $\frac{1}{4}$	lge. 714	J. T. Hewett	1928	100	--	--
d/295	2 miles northeast	23, SW $\frac{1}{4}$ SW $\frac{1}{4}$	lge. 708	H. A. Goble	--	87	--	1
296	1 $\frac{1}{2}$ miles north	22, NE $\frac{1}{4}$ NE $\frac{1}{4}$	lge. 707	J. Thompson	1930	87	--	1.2
297	2 $\frac{1}{4}$ miles north	15, SE $\frac{1}{4}$ SW $\frac{1}{4}$	lge. 708	T. E. Wynn	1929	92	--	0.4
298	3 $\frac{1}{2}$ miles northeast	12, NE $\frac{1}{4}$ NE cor.	do.	R. W. Ivey	1927	110	--	--
299	4 miles north	3, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	B. Yantis	1928	68	--	1.4
300	3 $\frac{3}{4}$ miles north	22, SE $\frac{1}{4}$ SE $\frac{1}{4}$	lge. 694	Fred Newsome	Old	78	--	0.5
301	4 $\frac{1}{2}$ miles north	16, SE $\frac{1}{4}$ SE $\frac{1}{4}$	lge. 693	B. M. Whittaker	1929	93	--	0.4
302	5 miles northeast	21, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	M. Rice	Old	86	--	0.3
303	6 miles northeast	11, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	R. M. Loper	Old	102	--	0.2
304	5 $\frac{3}{4}$ miles northeast	12, NW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Yellowhouse Land Co.	--	86	--	1
d/305	6 miles north	7, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	Old	127	--	0.6
d/306	5 miles west	11, cen.	lge. 718 State Capitol Land	do.	1937	4,665	--	--

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

b/ B, bucket; C, cylinder; V, windmill; H, hand; G, gasoline; E, electric; number indicates horsepower.

Records obtained by Carl B. Mueller, Project Superintendent
 and Joe W. Lang of the Texas Board of Water Engineers

No.	Water level		Pump and power b/	Use of water c/	Topo- graphic situa- tion	Remarks
	Depth below measur- ing point (ft.)	Date of measure- ment				
285	74.9	Apr. 11, 1939	None	N	Flat	Unused well.
286	59.4	Sept. 13, 1939	C,W	D,S	Edge of lake	Reported strong supply.
287	83	e/	C,W	D,S	Flat	Do.
288	81.3	May 26, 1939	C,W	D,S	do.	Do.
289	96.0	Sept. 13, 1939	C,W	D,S	Hilltop	Do.
290	90.3	June 12, 1939	C,W	D,S	Flat	Do.
291	90.7	May 15, 1939	C,W	D,S	do.	Do.
292	72.0	May 25, 1939	C,W	D,S	do.	Do.
293	60	May 26, 1939	C,W	D,S	do.	Do.
294	60	e/	C,W	D,S	do.	Do.
295	69.3	Aug. 29, 1939	None	N	do.	Unused well.
296	75.1	June 23, 1939	C,W	D,S	do.	Reported strong supply.
297	76.5	June 29, 1939	C,W	D,S	Gentle slope	Do.
298	98	e/	C,W	D,S	Flat	Do.
299	58.2	June 28, 1939	C,W	D,S	Near creek	Do.
300	57.3	June 13, 1939	C,H	D,S	do.	Do.
301	76.3	June 28, 1939	C,W	D,S	Flat	Do.
302	70.9	do.	C,W	D,S	In draw	Do.
303	70.4	Aug. 29, 1939	C,W	D,S	Flat	Do.
304	67.1	do.	C,W	N	In draw	Unused well. Reported strong supply.
305	96.4	June 13, 1939	C,H	N	Gentle slope	Unused well. Water level 96.4 on Aug. 10, 1939.
306	--	--	--	--	--	Oil test. See log. Drilled by R. F. Duggan and Loffland Brothers.

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

d/ No water sample collected for analysis.

e/ Water level reported.

* Unit number refers to farm number of U. S. Department of Agriculture - Farm Security Administration.

Records of wells in Hockley County--Continued

No.	Distance from Anton	Section or labor	Survey, block or league	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
400	4 $\frac{3}{4}$ miles west	13, NE $\frac{1}{4}$ NE $\frac{1}{4}$	lge. 692	J. D. Jenkins	Old	123	--	1.2
401	3 $\frac{3}{4}$ miles west	10, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	J. Lyda	Old	79	--	1.4
d/402	3 miles northwest	125, NE $\frac{1}{2}$ SE $\frac{1}{2}$	blk. A R. M. Thompson	John T. Couch	1936	100	--	--
d/403	2 $\frac{1}{2}$ miles west	108, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	-- Wright et al	Old	47	--	1.1
404	4 miles west	21, NE $\frac{1}{4}$ NW $\frac{1}{4}$	lge. 692	M. L. Ellis	1929	120	--	--
405	5 $\frac{1}{2}$ miles west	4, SE $\frac{1}{2}$ SE $\frac{1}{2}$	lge. 709	M. Burnham	Old	110	--	--
411	5 $\frac{1}{2}$ miles southwest	19, SW $\frac{1}{2}$ SW $\frac{1}{2}$	do.	C. E. Pendergrass	Old	90	--	0.8
412	4 $\frac{1}{2}$ miles southwest	93, SW $\frac{1}{2}$ SW $\frac{1}{2}$	blk. A R. M. Thompson	E. D. Ellis	1929	67	--	1.0
413	5 $\frac{1}{4}$ miles southwest	78, SW $\frac{1}{2}$ SW $\frac{1}{2}$	do.	I. L. Elwood Est.	Old	103	--	0.2
414	5 $\frac{1}{2}$ miles southwest	77, SE $\frac{1}{2}$ SE $\frac{1}{2}$	do.	A. Wininger	Old	125	--	1.0
415	7 $\frac{3}{4}$ miles southwest	23, NW $\frac{1}{2}$ NW $\frac{1}{4}$	lge. 714	D. D. Campbell	Old	97	--	0.3
416	10 miles southwest	17, SW $\frac{1}{2}$ SW $\frac{1}{2}$	lge. 723	W. S. Mitchell	--	101	--	0.3
417	9 $\frac{3}{4}$ miles southwest	1, NE $\frac{1}{2}$ NE $\frac{1}{4}$	lge. 728	J. B. Riggs	1928	120	--	--
d/418	11 $\frac{1}{2}$ miles southwest	19, NE $\frac{1}{2}$ NE $\frac{1}{2}$	do.	D. Mitchell	1935	149	--	--
419	11 miles south	11, SE $\frac{1}{2}$ SE $\frac{1}{2}$	do.	C. W. Henderson	1925	114	--	0.5
d/428	10 $\frac{1}{2}$ miles south	23, SE $\frac{1}{2}$ SE $\frac{1}{2}$	blk. A R. M. Thompson	W. M. Hilderbrand	1934	--	--	--
429	8 miles south	51, SE $\frac{1}{2}$ SE $\frac{1}{2}$	do.	Glen Ott	1938	180	--	--
430	9 miles southeast	53, SE $\frac{1}{2}$ SE $\frac{1}{2}$	do.	J. W. James	Old	107	--	0.7
d/431	6 miles southeast	68, NE $\frac{1}{2}$ NE $\frac{1}{2}$	do.	C. M. Keefer	1934	100	8	1.0
432	5 $\frac{1}{2}$ miles south	67, NW $\frac{1}{2}$ NW $\frac{1}{2}$	do.	I. L. Elwood Est.	1938	112	--	0.7
d/433	5 $\frac{1}{2}$ miles south	64, NE cor. SE $\frac{1}{4}$	do.	--	1938	100	5	0.3
d/434	4 $\frac{1}{4}$ miles south	74, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	C. E. Flowers	1937	221	16	1.5
d/436	5 $\frac{1}{2}$ miles southeast	70, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	-- Adams	--	--	--	--
d/437	5 $\frac{1}{2}$ miles southeast	85, SW $\frac{1}{2}$ NE $\frac{1}{2}$	do.	-- Emerson	1939	--	--	--

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

b/ B, bucket; C, cylinder; W, windmill; H, hand; G, gasoline; E, electric; number indicates horsepower.

Records obtained by Carl B. Mueller, Project Superintendent
and Joe W. Lang of the Texas Board of Water Engineers

No.	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
	Depth below measuring point (ft.)	Date of measurement				
400	80.5	Aug. 18, 1939	C,W	D,S	Near draw	Reported strong supply.
401	49.0	Aug. 29, 1939	C,W	D,S	do.	Do.
402	33	e/	G	I	Flat	Reported capacity 1,100 gallons a minute from 27 feet of sand, top of sand 32 feet below
403	36.3	Aug. 29, 1939	C,H	N	In draw	Unused well. surface.
404	72	e/	C,r	D,S	Flat	Reported strong supply.
405	68	Aug. 29, 1939	C,W	D,S	do.	Do.
411	75.8	Aug. 18, 1939	C,W	D,S	do.	Do.
412	61.8	June 8, 1939	C,H	N	do.	Well unused at present.
413	72.3	do.	C,W	D,I	do.	Reported strong supply.
414	96	e/	C,W	D,S	Gentle slope	Do.
415	87	May 25, 1939	C,W	D,S	Flat	
416	89	May 24, 1939	C,W	D,S	do.	Reported strong supply.
417	92	e/	C,W	D,S	do.	Reported strong supply. Dry lake 0.1 mile northwest.
418	89	e/	T,G, --	I	Hilltop	Reported strong supply. Reported capacity 650 gallons a minute. Struck water at 94 feet.
419	94.5	June 7, 1939	C,W	D,S	Gentle slope	Reported strong supply.
428	--	--	T,G, --	I	--	
429	117.1	May 25, 1939	C,W	D,S	Flat	Reported strong supply.
430	88.0	May 24, 1939	C,W	D,S	Gentle slope	Do.
431	58.9	May 6, 1938	C,G, 4	I	do.	Concrete casing. Reported irrigates orchard and truck garden.
432	93.1	May 24, 1939	C,W	D,S	do.	Reported strong supply.
433	86.0	May 6, 1938	--	D,S	do.	Dry sink 0.3 mile south. Drilled by H. F. Bishop.
434	134.7	do.	C,G, 100	I	do.	Steel casing to 206 feet. Reported gravel from 135 to 140; 156 to 163 feet. Fine-grained yellow sand 185 to 195 feet. Drilled by John-
436	--	--	T,G	I	do.	Estimated capacity 400 gallons a minute. ston Pump Co.
437	--	--	T,G	I	--	Drilled by -- Emerson.

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

i/ No water sample collected for analysis.

/ Water level reported.

Unit number refers to farm number of U. S. Department of Agriculture - Farm Security Administration.

Records of wells in Hockley County--Continued

No.	Distance from Anton	Section or labor	Survey, block or league	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
d/438	4 $\frac{1}{2}$ miles southeast	84, NE cor. NE $\frac{1}{4}$	blk. A R. M. Thompson	R. C. Hopping	1937	130	18	--
d/439	do.	86, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Panhandle North?	--	--	--	--
d/440	do.	do.	do.	P. & N. T. R. R.	--	--	--	--
d/441	do.	do.	do.	R. C. Hopping	1937	125	18	--
d/442	3 $\frac{3}{4}$ miles southeast	87, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	E. F. Allen	--	--	--	--
d/443	3 $\frac{1}{2}$ miles southeast	100, SW cor. SE $\frac{1}{4}$	do.	C. A. Bourlan	1937	130	16	--
d/444	4 $\frac{3}{4}$ miles southeast	101, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	Ed. Bigler	1937	140	16	--
d/445	2 miles southeast	99, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	R. L. McElroy	1937	100	--	--
d/446	2 $\frac{1}{2}$ miles east	104, SE $\frac{1}{4}$ SE $\frac{1}{4}$	do.	W. L. Duke	1937	100	--	--
d/447	1 mile southeast	105, NE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	H. F. Bishop	1933	96	8	0.4
d/448	1 $\frac{3}{4}$ miles southwest	107, SW cor. SW $\frac{1}{4}$	do.	G. C. Pass	1937	236	15 $\frac{1}{2}$	--
d/449	$\frac{1}{2}$ mile south	106, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	W. M. Church	--	37+	5	--
d/450	In Anton	106, NE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	W. M. Alexander	1937	100	16	--
d/451	West edge of Anton	113, SE $\frac{1}{4}$ SW $\frac{1}{4}$	do.	Boyd & Rea	1938	103	12	--
d/452	$\frac{3}{4}$ mile northeast	114, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	E. C. Couch	1937	135	15 $\frac{1}{2}$	--
d/453	1 mile northwest	112, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Aaron Cohen	1937	115	15 $\frac{1}{4}$	--
d/454	1 $\frac{1}{2}$ miles north	122, NW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	R. O. Mayes	1937	134	16	--
d/455	1 $\frac{1}{2}$ miles northeast	114, NE cor. NE $\frac{1}{4}$	do.	Dr. J. H. Vaughn	1937	166	14	--
d/456	2 $\frac{3}{4}$ miles east	116, cen. N line NW $\frac{1}{4}$	do.	Mrs. Buck Roe	1937	156	15	1.5
d/457	3 $\frac{1}{2}$ miles east	116, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	O. L. Langston	1937	189	--	--
d/458	4 $\frac{1}{4}$ miles east	102, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	R. L. Burdette	1936	150	16	2.0

Records obtained by Carl B. Mueller, Project Superintendent
 and Joe W. Lang of the Texas Board of Water Engineers

No.	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
	Depth below measuring point (ft.)	Date of measurement				
438	65	e/	T,E, 25	I	Gentle slope	Steel casing. Estimated capacity 700 gallons a minute. Drilled by F. Faust.
439	--	--	--	RR	do.	Drilled by F. Faust.
440	--	--	--	RR	do.	
441	65	e/	T,G, 25	I	do.	Steel casing. Well can produce 400 gallons a minute for few hours only. Drilled by H. F.
442	--	--	--	I	do.	Unused well. Supply insufficient for Bishop. irrigation. Drilled by J. Jones.
443	50	--	T,G, 20	I	do.	Steel casing. Reported irrigated 75 acres of cotton in 1937. Reported dependable supply from 70 feet of water sand. Drilled by J.
444	57	e/	T,G, --	I	do.	Steel casing. Measured drawdown, Jones. 20 feet after 7 hours pumping at 750 gallons a minute. Irrigated 100 acres of cotton. Drill-
445	--	--	T,G, --	I	South slope	ed by J. Jones.
446	--	--	T,G, --	I	Gentle slope	Steel casing. Reported dependable supply.
447	30.3	May 5, 1938	C,G	I	do.	Perforated steel casing top to bottom. Reported capacity 500 gallons a minute. Irrigates 25 acres cotton, sweet potatoes and tomatoes.
448	46	--	T	I	NE slope	Perforated steel casing. Drilled by owner. Reported weak supply from reddish clayey sand from 46 to 74 feet, gravel from 74 to 80 feet, yellow clay 80 to 100 feet, blue shale 100 to 200 feet, "Red Beds" 200 to 236 feet. Drilled
449	30.1	Sept. 22, 1937	C,H	P	Gentle slope	Reported seldom used. by H. F. Bishop.
450	--	--	T,G	I	do.	Steel casing. Reported effects nearby shallow wells when pumping. Irrigates 100 acres.
451	--	--	C,G	I	do.	Steel casing. Supplies water for 50 acres. Drilled by H. F. Bishop.
452	--	--	T,G, 40	I	do.	Perforated steel casing. Supplied water for 80 acres of cotton in 1937. Drilled by --
453	--	--	T,E, 30	I	Flat	Perforated steel casing. Drilled by Baker Pump Company. Bishop.
454	--	--	T,G	I	Gentle slope	Drilled by -- Bishop.
455	--	--	T,G	I	South slope	Steel casing. Reported capacity 800 gallons a minute. Supplies water for 135 acres. Drilled
456	97.5	May 5, 1938	T,G	I	do.	Perforated steel casing. by Buck Price. 2-stage pump set at 130 feet; 10 feet suction. Reported irrigated 25 acres of cotton, 1937.
457	100	e/	None	I	Gentle slope	Unused well. Supply Drilled by -- Bishop. insufficient for irrigation. See log. Drilled
458	84.7	May 5, 1938	T,G	I	SW slope	Perforated steel by Bradford Supply Company casing. Bottom of drop pipe 130 feet. Reported dependable supply. Drilled by -- Faust.

Records of wells in Hockley County--Continued

No.	Distance from Levelland	Section or labor	Survey, block or league	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
d/500	12½ miles west	6, SE¼SW¼	lge. 66 Hardeman Co. School Land	B. B. Roberts	Old	167	--	0.2
501	8½ miles west	10, NW¼NW¼	lge. 67 Hardeman Co. School Land	W. C. Cheak	1938	160	--	--
d/502	4 miles northwest	18, NW¼NE¼	lge. 71 Val Verde Co. School Land	Montgomery & Hutton	Old	129	--	0.3
d/503	4½ miles west	25, SE¼SE¼	do.	C. W. Post Est.	--	120	6	0.5
d/504	2 miles west	9, SW¼NW¼	lge. 72 Val Verde Co. School Land	O. M. Rhea	1936	170	18	1.2
505	4½ miles west	11, NW¼NW¼	lge. 69 Val Verde Co. School Land	Montgomery & Hutton	Old	153	--	1.3
511	5½ miles west	4, NE¼NW¼	lge. 44 Rains Co. School Land	Samson Tire & Rubber Co.	Old	185	--	0.9
512	6½ miles west	10, NW¼NW cor.	lge. 43 Rains Co. School Land	J. A. Hill	Old	131	--	0.4
513	7 miles west	41, NW¼SE¼	lge. 68 Hardeman Co. School Land	W. T. Cobel	Old	159	--	0.8
d/514	8½ miles west	5, NW¼NW¼	lge. 43 Rains Co. School Land	E. Williams	Old	166	--	0.9
d/515	10½ miles west	28, SE¼SE¼	lge. 65 Hardeman Co. School Land	W. T. Coble	Old	152	--	3.4
516	7½ miles southwest	13, SE¼SE¼	lge. 43 Rains Co. School Land	Rains County	Old	142	--	--
521	5 miles southwest	8, SE¼SE¼	lge. 44 Rains Co. School Land	W. T. Johnson	1928	160	--	--
d/522	5½ miles southwest	19, NE¼NW¼	do.	C. E. Ratliff	Old	125	--	0.5
523	4½ miles southwest	11, NW¼NE¼	do.	L. E. Plunkett	Old	160	--	0.3
524	3½ miles southwest	5, SE¼SW¼	lge. 30 Baylor Co. School Land	Texas Land & Mortgage Co.	Old	120	--	--
525	1¾ miles southwest	3, NW¼NE¼	do.	J. Schroer	Old	136	--	1.0
526	1½ miles southwest	25, NW¼NW¼	lge. 28 Hood Co. School Land	C. Smith	1937	--	--	--
d/527	2 miles southwest	1, NE¼NE¼	lge. 30 Baylor Co. School Land	J. A. Stroud	Old	106	--	0.6
528	3½ miles south	20, NE¼NE¼	do.	J. T. Wood	Old	123	--	1.3
529	7 miles southwest	25, NW¼NW¼	lge. 44 Rains Co. School Land	C. B. Edgar	1935	130	5	--
534	8½ miles southwest	9, NE¼SE¼	lge. 42 Rains Co. School Land	F. E. Ivey	--	131	--	0.7
539	5½ miles south	8, NE¼NE¼	lge. 31 Baylor Co. School Land	H. C. Bowlin	Old	125	--	1.1
544	6¾ miles south	22, NW¼NW¼	do.	Commerce Trust Co.	Old	109	--	--
545	7¼ miles southwest	5, NW¼NW¼	lge. 34 Concho Co. School Land	Mallett L. & C. Co.	Old	140	--	0.8

Records obtained by Carl B. Mueller, Project Superintendent
 and Joe W. Lang of the Texas Board of Water Engineers

No.	Water level		Pump and power b/	Use of water c/	Topo- graphic situa- tion	Remarks
	Depth below measur- ing point (ft.)	Date of measure- ment				
500	146.4	July 13, 1939	C,N	N	Slight rise	Unused well.
501	--	e/	T,G, 85	I	Flat	Reported capacity 85 gallons a minute.
502	103.8	July 12, 1939	None	N	Lake terrace	Unused well. Water level, 103.8 on Aug. 9, 1939; same on Sept. 14, 1939.
503	102.0	June 21, 1937	C,W	D,S	Gentle slope	Reported dependable supply.
504	113.5	June 19, 1937	T,G, 28	I	Hilltop	Estimated yield, 500 gallons a minute. Pump set at 120 feet. Drilled by -- Morgan.
505	126.1	July 25, 1939	C,W	S	Ridge of lake	Estimated yield, 2 gallons a minute when mea- surement was made. Reported strong supply.
511	148.7	Mar. 27, 1939	C,W	D,S	Gentle slope	Reported weak supply. With strong wind well will pump dry in two hours.
512	121.9	Mar. 31, 1939	C,W	D,S	Flat	Reported strong supply.
513	147.3	Mar. 30, 1939	C,W	D,S	do.	Reported weak supply.
514	154.9	June 30, 1939	C,W	D,S	Ridge of lake	Unused well at present. Reported strong supply.
515	144.3	do.	None	N	Flat	Unused well.
516	129.4	Mar. 30, 1939	C,W	D,S	do.	Reported strong supply.
521	120	e/	C,W	D,S	do.	Water sand at 130 feet. Reported strong supply. Two wells 0.3 mile north reported dry
522	116.2	Mar. 27, 1939	C,W	N	Lake- side	Unused well. at 190 and 206 feet.
523	121.8	Mar. 22, 1939	C,W	D,S	Flat	Reported strong supply.
524	95	e/	C,W	D,S	Gentle slope	Do.
525	116.4	do.	C,W	D,S	Flat	Do.
526	--	--	T,G, 85	I	do.	Estimated yield, 500 gallons a minute.
527	94.3	Mar. 17, 1939	C,W	N	do.	Unused well at present.
528	159	e/	C,W	D,S	do.	Reported strong supply.
529	110	e/	C,W	D,S	do.	Do.
534	120	e/	C,H	D,S	Gentle slope	
539	106.9	Mar. 23, 1939	C,W	D,S	Flat	Reported strong supply.
544	98.2	do.	C,W	D,S	Lake- side	Do.
545	128.6	July 31, 1939	C,W	D,S	Flat	Do.

Records of wells in Hockley County--Continued

No.	Distance from Levelland	Section or labor	Survey, block or league	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
546	8 $\frac{1}{4}$ miles southwest	18, SW $\frac{1}{2}$ SW $\frac{1}{4}$	lge. 41 Maverick Co. School Land	Mary Davis	Old	162	--	1.7
547	11 miles southwest	49, SW $\frac{1}{2}$ NW $\frac{1}{4}$	lge. 39 Maverick Co. School Land	E. M. Cain	Old	155	--	1.1
d/548	13 miles southwest	76, NE $\frac{1}{4}$ SE $\frac{1}{4}$	lge. 38 Zavala Co. School Land	Alice Sue Slaughter	Old	148	--	0.1
549	15 $\frac{1}{2}$ miles southwest	5, NW $\frac{1}{4}$ NW $\frac{1}{4}$	blk. X Public School Land	Mallett L. & C. Co.	Old	152+	--	0.3
550	13 miles south	75, SW $\frac{1}{2}$ SW	lge. 37 Zavala Co. School Land	A. A. Slaughter	1939	140	--	0.3
d/551	10 $\frac{1}{4}$ miles south	25, SW $\frac{1}{2}$ SW $\frac{1}{4}$	lge. 34 Concho Co. School Land	Mallett L. & C. Co.	1938	177	5	0.1
d/552	8 miles south	8, SE $\frac{1}{2}$ NW $\frac{1}{4}$	do.	do.	Old	126	--	0.7
553	8 $\frac{3}{4}$ miles south	16, SW $\frac{1}{2}$ NW $\frac{1}{4}$	lge. 33 Baylor Co. School Land	G. Thorp	Old	122	--	0.3
d/554	9 $\frac{3}{4}$ miles south	22, SE $\frac{1}{2}$ SW $\frac{1}{4}$	do.	J. F. Daniel	Old	135	--	0.7
d/555	8 $\frac{1}{2}$ miles south	14, SE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	Paxton Gin Co.	Old	146	--	0.5
d/556	7 $\frac{3}{4}$ miles south	8, NW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	Mrs. B. Palmer	Old	113	--	0.9
d/557	7 $\frac{1}{2}$ miles south	2, SW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	C. C. Williams et al	Old	152	--	1.7
d/569	5 $\frac{1}{2}$ miles south	15, NW $\frac{1}{4}$ NE $\frac{1}{4}$	lge. 32 Baylor Co. School Land	W. May Jones	Old	126	--	--
d/570	5 $\frac{1}{4}$ miles south	6, NW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	City National Bank	1923	108	--	0
571	4 $\frac{3}{4}$ miles south	3, SW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	S. B. Bardwell	Old	130	--	--
572	6 $\frac{1}{4}$ miles south	20, NE $\frac{1}{2}$ NE $\frac{1}{4}$	do.	Baylor County	--	125	--	1.0
573	5 miles south	5, SW $\frac{1}{2}$ NW $\frac{1}{4}$	lge. 25 Wharton Co. School Land	J. S. Branch	--	137	--	0.6
574	3 miles south	11, NE $\frac{1}{2}$ NW $\frac{1}{4}$	lge. 29 Garza Co. School Land	T. P. Hill	Old	153	--	1.3
575	2 $\frac{3}{4}$ miles south	13, NW $\frac{1}{2}$ NW $\frac{1}{4}$	lge. 29 Sutton Co. School Land	Mallett L. & C. Co.	Old	125	--	--
576	2 miles south	2, SW $\frac{1}{2}$ NW $\frac{1}{4}$	lge. 29 Hood Co. School Land	M. L. Goolsby	1937	172	15 $\frac{1}{2}$	--
577	3 $\frac{3}{4}$ mile south	17, NE $\frac{1}{2}$ NE $\frac{1}{4}$	lge. 28 Hood Co. School Land	J. L. Smallwood	Old	109	--	1.2
d/584	In Levelland	8, SW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	City of Levelland	1930	185	10	--
d/585	do.	do.	do.	do.	1927	185	12	--
586	1 mile north	21, SW $\frac{1}{2}$ SW $\frac{1}{4}$	lge. 733 State Capitol Land	F. Tegart	1921	116	--	0.3
d/587	2 miles north	13, SE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	Texas Land & Mortgage Co.	1923	105	--	0.4
d/588	2 $\frac{1}{2}$ miles north	11, NW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	J. Bolf	1939	151	--	--

Records obtained by Carl B. Mueller, Project Superintendent
 and Joe W. Lang of the Texas Board of Water Engineers

No.	Water level		Pump and power b/	Use of water c/	Topo- graphic situa- tion	Remarks
	Depth below measur- ing point (ft.)	Date of measure- ment				
546	125.8	Mar. 27, 1939	C,H	D	Flat	Reported strong supply.
547	138.1	Apr. 1, 1939	C,W	D,S	In draw	Do.
548	138.5	do.	--	N	Flat	Unused well.
549	145.8	July 10, 1939	C,W	S	Gentle slope	Reported seldom used.
550	119.1	July 28, 1939	C,G	Ind	In draw	Complete recovery of 1.7 feet in 17 minutes after reported pumpage of 60 gallons a minute
551	121.7	do.	C,G	Ind	Flat	Used for drilling oil well. for 56 hours.
552	101.9	do.	C,W	S	Gentle slope	Reported strong supply. Unused well at pre- sent.
553	111.4	July 31, 1939	C,W	D,S	Flat	Reported strong supply.
554	126.5	July 28, 1939	C,W	D,S	do.	Reported strong supply. Unused well at pre- sent.
555	113.7	do.	C,W	Ind	do.	Reported strong supply.
556	108.3	Mar. 23, 1939	--	N	Ridge of lake	Unused well. Water level. 108.2 on May 12, 1939 and on July 27, 1939.
557	135.9	do.	--	N	do.	Do.
569	--	--	C,H	N	Near lake	Unused well. Filled with sand above water level.
570	104	e/	C,W	D,S	Lake- side	Reported strong supply. Caliche from surface to 102 feet; hard rock from 106 to 108 feet;
571	97	e/	C,W	D,S	Flat	Reported water sand from 108 to 128 feet. strong supply.
572	112.1	July 31, 1939	C,W	D,S	do.	Do.
573	116.2	Sept. 12, 1939	C,W	D,S	do.	Do.
574	123.3	do.	C,W	D,S	Hilltop	Do.
575	100	e/	C,W	D,S	Flat	Do.
576	--	--	T,G, 50	I	do.	Estimated yield, 700 gallons a minute. Drilled by M. L. Morgan.
577	78.4	Sept. 12, 1939	C,W	S	Slope to lake	Reported strong supply.
584	90	e/	T,E, 40	S	Flat	Steel casing. Drawdown reported 4 feet after pumping 30 minutes at 390 gallons a minute.
585	90	e/	T,E, 50	S	do.	Steel casing. Drawdown reported 14 feet after pumping 30 minutes at 500 gallons a minute.
586	89.5	Mar. 24, 1939	C,W	D,S	do.	Reported strong supply. Drilled by -- Hays.
587	93.1	do.	C,H	N	--	Unused well at present.
588	57	Mar. 17, 1939	T,G	I	Gentle slope	Steel casing. Reported drawdown 17 feet after 30 minutes pumping at 600 gallons a minute. 40 acres irrigated in 1938; 17 acres in 24 hours.

Records of wells in Hockley County--Continued

No.	Distance from Levelland	Section or labor	Survey, block or league	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
d/589	1 $\frac{1}{4}$ miles north	21, NE $\frac{1}{4}$ -NE $\frac{1}{4}$	lge. 733 State Capitol Land	T. E. Finley	1937	172	--	0
d/590	1 $\frac{1}{2}$ miles northeast	25, NW $\frac{1}{4}$ -SE $\frac{1}{4}$	lge. 734 State Capitol Land	H. W. Walker	1939	204	--	--
591	3 miles northeast	20, SW $\frac{1}{4}$ -NW $\frac{1}{4}$	do.	Mrs. R. E. Glover	--	200	--	--
d/592	3 $\frac{3}{4}$ miles northeast	15, SW cor.	lge. 735 State Capitol Land	B. F. Crawford	1936	--	--	--
593	5 miles northeast	8, SW $\frac{1}{4}$ -SW $\frac{1}{4}$	do.	T. E. Barton	Old	81	--	0.8
594	5 $\frac{1}{2}$ miles northeast	12, SW $\frac{1}{4}$ -SE $\frac{1}{4}$	do.	V. J. Williams	--	85	--	0.6
d/600	7 miles east	4, NE $\frac{1}{4}$ -NW $\frac{1}{4}$	blk. A Public School Land	J. H. Goodpasture	1935	150	--	--
601	6 miles east	3, SE $\frac{1}{4}$ -NW $\frac{1}{4}$	do.	do.	1936	150	--	--
d/602	7 $\frac{1}{2}$ miles east	10, NE $\frac{1}{4}$ -SW $\frac{1}{4}$	lge. 17 Wichita Co. School Land	T. J. Davis	1937	158	14	--
603	5 $\frac{1}{2}$ miles east	7, SW $\frac{1}{4}$ -SE $\frac{1}{4}$	do.	E. A. Hankins	1936	173	--	--
604	4 $\frac{1}{2}$ miles east	6, NW $\frac{1}{4}$ -NW $\frac{1}{4}$	do.	H. Goodpasture	Old	122	--	0.2
605	3 miles east	8, SE $\frac{1}{4}$ -SE $\frac{1}{4}$	lge. 27 Hood Co. School Land	Montgomery & Hutton	1934	110	--	0.6
d/619	1 $\frac{3}{4}$ miles east	5, SW $\frac{1}{4}$ -SW $\frac{1}{4}$	do.	G. C. Beasley	--	112	--	0.9
628	3 $\frac{3}{4}$ miles east	29, NW $\frac{1}{4}$ -SW $\frac{1}{4}$	lge. 27 Lamar Co. School Land	C. M. Wyatt	--	118	--	0.8
629	5 $\frac{1}{2}$ miles east	25, SE $\frac{1}{4}$ -SE $\frac{1}{4}$	lge. 17 Wichita Co. School Land	T. F. Cox	--	115	--	1.1
d/630	6 $\frac{1}{2}$ miles east	18, NE $\frac{1}{4}$ -SE $\frac{1}{4}$	do.	G. E. Harshbarger	Old	75	--	0.9
631	6 $\frac{3}{4}$ miles east	22, NW $\frac{1}{4}$ -NW $\frac{1}{4}$	do.	D. A. France	1936	185	--	--
632	7 miles southeast	13, NE $\frac{1}{4}$ -NE $\frac{1}{4}$	lge. 18 Wichita Co. School Land	I. L. Elwood Est.	Old	101	--	0.8
633	5 $\frac{3}{4}$ miles southeast	7, SW $\frac{1}{4}$ -NW $\frac{1}{4}$	do.	E. M. Dennis	1937	165	--	1.1
634	4 $\frac{3}{4}$ miles southeast	19, NW $\frac{1}{4}$ -SW $\frac{1}{4}$	lge. 26 Wharton Co. School Land	W. F. Favor	1938	167	--	1.0
635	6 $\frac{3}{4}$ miles southeast	24, NE $\frac{1}{4}$ -NW $\frac{1}{4}$	lge. 18 Wichita Co. School Land	I. L. Elwood Est.	--	117	--	0.3
636	5 $\frac{3}{4}$ miles southeast	8, NE $\frac{1}{4}$ -NW $\frac{1}{4}$	lge. 25 Wharton Co. School Land	A. N. Turner	--	135	--	0.6
642	7 $\frac{1}{2}$ miles southeast	13, NW $\frac{1}{4}$ -NW $\frac{1}{4}$	lge. 19 Wichita Co. School Land	E. Garrison	Old	125	--	0.3
643	8 $\frac{1}{4}$ miles southeast	1, NW $\frac{1}{4}$ -NW $\frac{1}{4}$	do.	D. N. Birdsong	--	108	--	0.8
650	8 $\frac{3}{4}$ miles southeast	3, NE $\frac{1}{4}$ -NE $\frac{1}{4}$	lge. 20 Wichita Co. School Land	I. L. Elwood Est.	Old	123	--	1.1

Records obtained by Carl B. Mueller, Project Superintendent
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No.	Water level		Pump and power b/	Use of water c/	Topographic situation	Remarks
	Depth below measuring point (ft.)	Date of measurement				
589	98	Mar. 17, 1939	T,G, --	I	Flat	Reported yield, 500 gallons a minute.
590	--	--	--	I	Gentle slope	See log. Drilled by M. L. Morgan.
591	160	e/	C,W	D,S	--	Reported strong supply.
592	--	--	--	I	--	Unused well. Supply insufficient for irrigation.
593	75.3	July 22, 1939	C,W	D,S	Flat	Reported strong supply.
594	74.6	Sept. 11, 1939	C,W	D,S	do.	
600	84.0	e/	T	I	Ridge-top	Reported yield, 500 gallons a minute from fine red quicksand from 135 to 148 feet. Irrigated 100 acres in 1935; 120 acres 1936 and 120 acres
601	--	--	None	N	Gentle slope	Unused well. Supply insufficient for irrigation. in 1937.
602	88	e/	T,G, 85	I	do.	Perforated steel casing. Estimated yield, 500 gallons a minute. Drilled by -- Morgan.
603	90	e/	T,G, --	I	do.	Reported yield, 700 gallons a minute.
604	96.5	June 1, 1939	C,W	D,S	Flat	Reported strong supply.
605	92.5	do.	C,W	D,S	Gentle slope	Do.
619	93.0	Mar. 17, 1939	C,W	N	Flat	Reported strong supply. Unused well at present.
628	108.3	Sept. 7, 1939	C,W	D,S	do.	Reported strong supply. Water level rose 0.2 foot from May, 1939 to August 1939.
629	91.8	Sept. 12, 1939	C,W	D,S	do.	Reported strong supply.
630	73.4	July 27, 1939	C,W	D,S	In draw	Do.
631	--	--	T,G	I	Hilltop	Estimated capacity 200 gallons a minute.
632	89.9	Sept. 6, 1939	C,W	D,S	Flat	Reported strong supply. Water sands reported at 108, 128 and 157 feet.
633	108.1	do.	C,W	D,S	do.	Do.
634	123.3	May 17, 1939	C,W	D,S	do.	Do.
635	104.5	Sept. 5, 1939	C,W	D,S	Lake-side	Do.
636	113.9	Sept. 7, 1939	C,W	D,S	Flat	Reported weak supply.
642	108.0	Sept. 12, 1939	C,W	D,S	Rolling	Reported strong supply.
643	96.2	Sept. 5, 1939	C,W	D,S	Flat	Do.
650	101.9	June 16, 1939	C,W	D,S	do.	Do.

Records of wells in Hockley County--Continued

No.	Distance from Levelland	Section or labor	Survey, block or league	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a'
651	7 $\frac{1}{2}$ miles southeast	16, SE $\frac{1}{4}$ SE $\frac{1}{4}$	lge. 19 Wichita Co. School Land	J. L. Williams	--	214	--	--
652	7 $\frac{1}{4}$ miles southeast	23, NE $\frac{1}{2}$ NE $\frac{1}{4}$	lge. 25 Wharton Co. School Land	S. B. Bardwell	--	120	--	0.9
653	8 miles southeast	5, NE $\frac{1}{2}$ NE $\frac{1}{4}$	lge. 20 Wichita Co. School Land	I. L. Elwood Est.	--	125	--	0.2
662	10 $\frac{1}{2}$ miles southeast	20, NW $\frac{1}{2}$ NE $\frac{1}{4}$	do.	J. B. Comer	--	122	--	1.1
670	10 miles southeast	18, SE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	I. L. Elwood Est.	--	97	--	0.5
d/671	9 $\frac{1}{4}$ miles southeast	19, NW $\frac{1}{2}$ NW $\frac{1}{4}$	lge. 21 McCulloch Co. School Land	J. C. Whaley	1938	85	--	0.4
672	10 $\frac{1}{4}$ miles southeast	18, SW $\frac{1}{2}$ NE $\frac{1}{4}$	do.	do.	Old	140	--	0.8
d/673	11 $\frac{1}{2}$ miles southeast	17, SE $\frac{1}{2}$ SE $\frac{1}{4}$	lge. 22 McCulloch Co. School Land	J. D. Tomlinson	Old	96+	--	2.2
674	12 miles south	4, NE $\frac{1}{2}$ SE $\frac{1}{4}$	lge. 23 McCulloch Co. School Land	W. F. Vernon	1936	185	--	--
675	12 $\frac{1}{2}$ miles southeast	20, NW $\frac{1}{2}$ NW $\frac{1}{4}$	lge. 22 McCulloch Co. School Land	W. H. Sill	--	140	--	--
d/676	13 miles southeast	26, SW $\frac{1}{2}$ SW $\frac{1}{4}$	do.	J. E. Alexander	Old	107	--	0.1
d/677	do.	26, SE $\frac{1}{2}$ NE $\frac{1}{4}$	do.	G. W. Lewis Est.	Old	106	--	--
d/678	12 $\frac{1}{4}$ miles east	16, NE $\frac{1}{2}$ NE $\frac{1}{4}$	lge. 4 Jones Co. School Land	R. Sides	Old	89	--	0.1
679	12 $\frac{3}{8}$ miles east	7, NE $\frac{1}{2}$ SE $\frac{1}{4}$	do.	C. Turner	1928	79	--	--
680	11 $\frac{1}{2}$ miles east	5, NW $\frac{1}{2}$ NW $\frac{1}{4}$	do.	G. M. Wynn	--	110	--	--
d/681	11 $\frac{1}{4}$ miles east	1, NE cor.	lge. 16 Howard Co. School Land	W. L. Elwood	1938	100+	--	--
d/682	9 $\frac{3}{4}$ miles east	--	--	--	1938	170	4 $\frac{1}{2}$	--
683	8 $\frac{3}{4}$ miles east	10, SE $\frac{1}{4}$ SE $\frac{1}{4}$	lge. 736	V. J. Williams	Old	83	--	0.5
703	14 $\frac{1}{2}$ miles east	7, SW $\frac{1}{2}$ SW $\frac{1}{4}$	blk. A	M. V. Vermillion	Old	104	--	0.6
d/709	16 miles east	NW $\frac{1}{2}$ SW $\frac{1}{4}$	128 G. S. Farris sur.	Jack Mullin	1938	150	--	--
710	do.	do.	do.	do.	1931	126	--	--
d/717	14 $\frac{1}{2}$ miles east	6, SW $\frac{1}{2}$ SE $\frac{1}{4}$	lge. 2 Jones Co. School Land	P. & S. F. R. R.	--	--	--	1.5
d/722	15 $\frac{1}{2}$ miles east	23, NE $\frac{1}{2}$ NW $\frac{1}{4}$	do.	Arnett & Duggan	Old	98	--	--
723	14 $\frac{1}{2}$ miles east	8, NE $\frac{1}{2}$ NE $\frac{1}{4}$	lge. 3 Jones Co. School Land	E. G. Smith	1924	117	--	0.5

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No.	Water level		Pump and power b/	Use of water c/	Topo- graphic situa- tion	Remarks
	Depth below measur- ing point (ft.)	Date of measure- ment				
651	103	e/	T,G	I	Gentle slope	Reported drawdown 6 feet at 600 gallons a minute. Drilled by -- Alterman.
652	114	May 17, 1939	C,H	D	Flat	Unused well at present.
653	108.6	Sept. 12, 1939	C,W	D,S	do.	Reported strong supply.
662	109.6	Sept. 5, 1939	C,W	D,S	Gentle slope	Do.
670	84.5	Sept. 8, 1939	C,W	D,S	Lake- side	Do.
671	86.7	July 26, 1939	None	N	Gentle slope	Seismograph shot hole.
672	113.0	July 25, 1939	C,W	S	Flat	Reported strong supply.
673	96.0	July 21, 1939	None	N	do.	Unused.
674	75	e/	T,G	I	Hilltop	Reported drawdown 25 feet at 650 gallons a minute with rapid recovery. Main supply re- ported from sand at about 100 feet below 15
675	--	--	T,G	I	Flat	Reported capacity 300 to 400 gallons a minute. feet of hard rock.
676	89.9	July 27, 1939	None	N	do.	Unused.
677	94.1	July 21, 1939	None	N	do.	Unused well. Water level unchanged on September 5, 1939.
678	70.7	May 17, 1939	C,W	D,S	Gentle slope	Reported strong supply.
679	62	e/	C,W	D,S	do.	Do.
680	85	e/	C,W	D,S	Flat	Do.
681	85.4	June 22, 1938	None	N	do.	Drilled for seismograph shot hole. Now used as observation well. Water level 85.0 on August 7, 1939. Set 2-inch pipe with measuring point 1.3 feet above ground August 14, 1939. Water level, 86.2 on August 14, 1932; 86.1 on
682	--	--	None	N	--	Seismograph shot hole. Re-ported flow of water from 150 feet. See Sept. 7, 1939.
683	71.4	June 1, 1939	C,W	D,S	Flat	Reported strong supply. driller's log.
703	81.7	May 29, 1939	C,W	D,S	Hilltop	Do.
709	--	--	None	I	Flat	Water sand from 110 to 130 feet. Yellow clay at 150 feet. Supply insufficient for irriga- tion.
710	109	e/	C,W	D,S	do.	Reported strong supply.
717	105.4	Mar. 14, 1939	C	RR	do.	Water level 104.7 on July 20, 1939; unchanged one month later.
722	79.6	Mar. 27, 1939	C,W	N	do.	Reported strong supply. Unused at present.
723	99.0	Aug. 31, 1939	C,W	D,S	do.	Reported strong supply.

Records of wells in Hockley County--Continued

No.	Distance from Levelland	Section or labor	Survey, block or league	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
724	16½ miles east	10, NE¼NE	lge. 3 Jones Co. School Land	F. E. Hill	1928	106	--	1.4
d/729	15½ miles southeast	5, NW¼NW¼	lge. 7 Wilbarger Co. School Land	W. J. & Jno. Spikes	1930	5,080	--	--
d/730	13¾ miles south	5, SE cen.	blk. I Public School Land	A. L. Lockett	1937	5,260	--	--
d/731	13 miles south	12, NW¼NW¼	blk. X Public School Land	M. G. Gordon	1938	5,074	--	--
d/732	14¼ miles south	74, NW¼NW¼	lge. 35 Zavala Co. School Land	A. A. Slaughter	1938	5,096	--	--
d/733	13 miles south	77, SE¼SE¼	lge. 37 Zavala Co. School Land	do.	1938	5,015	--	--
d/734	12¾ miles southwest	51, SW¼SW¼	do.	do.	1938	4,973	--	--
d/735	14½ miles southwest	6, NE¼NE¼	blk. X Public School Land	Mallett Land & Cattle Co.	1938	5,034	--	--
d/736	11¼ miles southwest	59, SW¼SW¼	lge. 39 Maverick Co. School Land	Sue Alice Slaughter	1938	4,994	--	--
737	9¾ miles east	8, SE¼	lge. 16 Howard Co. School Land	Elwood Est.	Old	110+	6	--
738	10 miles east	3, SW¼SE¼	lge. 15 Howard Co. School Land	do.	Old	110	6	1.0
739	7¾ miles southeast	20, NW¼NW¼	lge. 18 Wichita Co. School Land	M. T. Holley	1928	110+	6	--
740	10½ miles east	23, cen.	lge. 15 Howard Co. School Land	Elwood Est.	Old	110+	5	--
d/741	9½ miles southeast	20, cor. SE¼	lge. 19 Wichita Co. School Land	--	--	106	6	0.4
d/742	11½ miles southeast	23, SW¼SE¼	lge. 14 Howard Co. School Land	Elwood Est.	Old	124	6	2.0
743	13¾ miles southeast	7, SE¼	lge. 5 Wilbarger Co. School Land	do.	--	105	6	1.0
d/744	do.	21, NE¼W½	lge. 13 Howard Co. School Land	U.S.D.A.-Farm Security Adm.	1937	132	6-5/8	--
745	13 miles southeast	22, SW¼E½	do.	do.	1937	119	6-5/8	--
d/746	12½ miles southeast	23, SE¼E½	do.	do.	1937	133	6-5/8	--
d/747	12 miles southeast	24, NW¼E½	do.	do.	1937	125	6-5/8	--

Records obtained by Carl B. Mueller, Project Superintendent
 and Joe W. Lang of the Texas Board of Water Engineers

No.	Water level		Pump and power b/	Use of water c/	Topo- graphic situa- tion	Remarks
	Depth below measur- ing point (ft.)	Date of measure- ment				
724	81.0	May 17, 1939	C,W	D,S	Flat	Reported strong supply. Drilled by -- DePaul.
729	--	--	--	--	--	Oil test. Reported altitude, 3,363 feet. See log. Drilled by World Oil Company Inc.
730	--	--	--	--	--	Oil test. See log. Drilled by F. A. Bates.
731	--	--	--	--	--	Oil test. Reported altitude, 3,510 feet. See log. Drilled by Gulf Oil Corp.
732	--	--	--	--	--	Oil test. Reported altitude, 3,509 feet. See log. Drilled by Snowden & Moswenney Company.
733	--	--	--	--	--	Oil test. Reported altitude, 3,515 feet. See log. Drilled by Honolulu Oil Corp.
734	--	--	--	--	--	Oil test. Reported altitude 3,523 feet. See log. Drilled by Honolulu Oil Corp.
735	--	--	--	--	--	Oil test. Reported altitude, 3,552 feet. See log. Drilled by Gulf Oil Corp.
736	--	--	--	--	--	Oil test see log. Drilled by S. W. Richardson.
737	--	--	C,W	S	Flat	Well at edge of depression lake.
738	102.9	Feb. 7, 1940	C,W	S	do.	Do.
739	--	--	C,W	D,S	Ridge- top	
740	--	--	C,W	S	Gentle slope	Well near depression lake.
741	94.9	Feb. 6, 1940	C,W	N	Sandy slope	
742	80.0	Feb. 7, 1940	C,W	S	Flat	Well at edge of depression lake.
743	87.8	do.	C,W	S	Gentle slope	Water level measured while pumping.
744	106	e/ 1938	C,W	D,S	--	Unit number 40. 21 feet of 6-5/8-inch casing at top; 59 feet of 5-inch casing at bottom; bottom 15 feet perforated. Reported 7 feet drawdown when bailing 5 gallons a minute. Drilled by M. L. Morgan. See log.
745	100	e/ 1938	C,W	D,S	--	Unit number 50. 21 feet of 6-5/8-inch casing at top; 43 feet of 5-inch casing at bottom; bottom 20 feet perforated. Reported 2 feet drawdown when bailing 5 gallons a minute. Drilled by W. H. Joy. See log.
746	101	e/ 1938	C,W	D,S	--	Unit number 51. 21 feet of 6-5/8-inch casing at top; 65 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 9 feet drawdown when bailing 5 gallons a minute. Drilled by M. L. Morgan. See log.
47	90	e/ 1938	C,W	D,S	--	Unit number 61. 21 feet of 6-5/8-inch casing at top; 64 feet of 5-inch casing at bottom; bottom 20 feet perforated. Reported 12 feet drawdown when bailing 5 gallons a minute. Drilled by J. M. DePauw. See log.

Records of wells in Hockley County--Continued

No.	Distance from Levelland	Section or labor	Survey, block or league	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
d/748	11 ¹ / ₂ miles southeast	24, SE ¹ / ₄ W ¹ / ₂	lge. 13 Howard Co. School Land	U.S.D.A. -Farm security Adm.	1937	113	6- 5/8	--
d/749	11 ¹ / ₄ miles southeast	25, NW ¹ / ₄ E ¹ / ₂	do.	do.	1937	105	6- 5/8	--
750	do.	25, SW ¹ / ₄ W ¹ / ₂	do.	do.	1937	126	6- 5/8	--
d/751	11 ¹ / ₂ miles southeast	5, SW ¹ / ₄ E ¹ / ₂	lge. 12 Donley Co. School Land	do.	1937	123	6- 5/8	--
d/752	12 ¹ / ₂ miles southeast	14, NE ¹ / ₄ W ¹ / ₂	do.	do.	1937	128	6- 5/8	--
d/753	12 ¹ / ₄ miles southeast	16, NW ¹ / ₄ W ¹ / ₂	do.	do.	1937	112	6- 5/8	--
754	12 ¹ / ₂ miles southeast	25, NE ¹ / ₄ W ¹ / ₂	do.	do.	1937	125	6- 5/8	--
d/755	12 ³ / ₄ miles southeast	16, SE ¹ / ₄ E ¹ / ₂	do.	do.	1937	122	6- 5/8	--
d/756	do.	17, SW ¹ / ₄ W ¹ / ₂	do.	do.	1937	127	6- 5/8	--
d/757	13 miles southeast	24, NW ¹ / ₄ E ¹ / ₂	do.	do.	1937	119	6- 5/8	--
d/758	13 ¹ / ₄ miles southeast	24, SE ¹ / ₄ W ¹ / ₂	do.	do.	1937	113	6- 5/8	--

Records obtained by Carl B. Mueller, Project Superintendent
and Joe W. Lang of the Texas Board of Water Engineers.

No.	Water level		Pump and power b/	Use of water c/	Topo- graphic situa- tion	Remarks
	Depth below measur- ing point (ft.)	Date of measure- ment				
748	94	e/ 1938	C,W	D,S	--	Unit number 62. 20 feet of 6-5/8-inch casing at top; 64 feet of 5-inch casing at bottom; bottom 20 feet perforated. Reported 5 feet drawdown when bailing 5 gallons a minute. Drilled by J. M. De Pauw. See log.
749	88	e/ 1938	C,W	D,S	--	Unit number 72. 22 feet of 6-5/8-inch casing at top; 43 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 4 feet drawdown when bailing 5 gallons a minute. Drilled by Autrey Bros. See log.
750	100	e/ 1938	C,W	D,S	--	Unit number 73. 20 feet of 6-5/8-inch casing at top; 64 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 2 feet drawdown when bailing 5 gallons a minute. Drilled by J. M. De Pauw.
751	94	e/ 1938	C,W	D,S	--	Unit number 74. 22 feet of 6-5/8-inch casing at top; 43 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 4 feet drawdown when bailing 5 gallons a minute. Drilled by M. L. Morgan. See log.
752	103	e/ 1938	C,W	D,S	--	Unit number 63. 21 feet of 6-5/8-inch casing at top; 63 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 6 feet drawdown when bailing 5 gallons a minute. Drilled by M. L. Morgan. See log.
753	92	e/ 1938	C,W	D,S	--	Unit number 75. 21 feet of 6-5/8-inch casing at top; 43 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 5 feet drawdown when bailing 5 gallons a minute. Drilled by Autrey Brothers. See log.
754	88	e/ 1938	C,W	D,S	--	Unit number 77. 21 feet of 6-5/8-inch casing at top; 43 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 10 feet drawdown when bailing 5 gallons a minute. Drilled by J. M. De Pauw. See log.
755	91	e/ 1938	C,W	D,S	--	Unit number 65. 21 feet of 6-5/8-inch casing at top; 39 feet of 5-inch casing at bottom; bottom 19 feet perforated. Reported 7 feet drawdown when bailing 5 gallons a minute. Drilled by M. L. Morgan. See log.
756	95	e/ 1938	C,W	D,S	--	Unit number 76. 20 feet of 6-5/8-inch casing at top; 43 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 3 feet drawdown when bailing 5 gallons a minute. Drilled by M. L. Morgan. See log.
757	95	e/ 1938	C,W	D,S	--	Unit number 66. 20 feet of 6-5/8-inch casing at top; 41 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 5 feet drawdown when bailing 5 gallons a minute. Drilled by M. L. Morgan. See log.
758	89	e/ 1938	C,W	D,S	--	Unit number 67. 20 feet of 6-5/8-inch casing at top; 63 feet of 5-inch casing at bottom; bottom 20 feet perforated. Reported 3 feet drawdown when bailing 5 gallons a minute. Drilled by W. H. Joy. See log.

Records of wells in Hockley County--Continued

No.	Distance from Levelland	Section or labor	Survey, block or league	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
d/759	13 $\frac{3}{4}$ miles southeast	7, NW $\frac{1}{4}$ E $\frac{1}{2}$	lge. 11 Donley Co. School Land	U.S.D.A - Farm Security Adm.	1937	141	6- 5/8	--
d/760	14 miles southeast	7, SW $\frac{1}{4}$ E $\frac{1}{2}$	do.	do.	1937	126	6- 5/8	--
d/761	13 miles southeast	5, SW $\frac{1}{4}$ W $\frac{1}{2}$	do.	do.	1937	137	6- 5/8	--
d/762	13 $\frac{1}{2}$ miles southeast	15, SW $\frac{1}{4}$ W $\frac{1}{2}$	do.	do.	1937	127	6- 5/8	--
763	14 miles southeast	25, NW $\frac{1}{4}$ W $\frac{1}{2}$	do.	do.	1937	125	6- 5/8	--
d/764	14 $\frac{1}{2}$ miles southeast	25, SW $\frac{1}{4}$ E $\frac{1}{2}$	do.	do.	1937	124	6- 5/8	--
d/765	15 miles southeast	24, SE $\frac{1}{4}$ E $\frac{1}{2}$	do.	do.	1937	100	6- 5/8	--
d/766	15 $\frac{3}{4}$ miles southeast	22, SW $\frac{1}{4}$ E $\frac{1}{2}$	do.	do.	1937	128	6- 5/8	--
767	16 miles southeast	21, SE $\frac{1}{4}$ W $\frac{1}{2}$	do.	do.	1937	124	6- 5/8	--
d/768	15 $\frac{1}{2}$ miles southeast	19, NE $\frac{1}{4}$ E $\frac{1}{2}$	do.	do.	1937	130	6- 5/8	--
d/769	15 miles southeast	9 (?), SW $\frac{1}{4}$ E $\frac{1}{2}$	do.	do.	1937	130	6- 5/8	--

Records obtained by Carl B. Mueller, Project Superintendent
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No.	Water level		Pump and power b/ c/	Use of water c/ d/	Topo- graphic situa- tion	Remarks
	Depth below measur- ing point (ft.)	Date of measur- ment				
759	81	e/ 1938	C,W	D,S	--	Unit number 68. 20 feet of 6-5/8-inch casing at top; 72 feet of 5-inch casing at bottom; bottom 20 feet perforated. Reported 18 feet drawdown when bailing 5 gallons a minute. Drilled by M. L. Morgan. See log.
760	87	e/ 1938	C,W	D,S	--	Unit number 70. 20 feet of 6-5/8-inch casing at top; 63 feet of 5-inch casing at bottom; bottom 20 feet perforated. Reported 10 feet drawdown when bailing 5 gallons a minute. Drilled by W. H. Joy. See log.
761	90	e/ 1938	C,W	D,S	--	Unit number 78. 21 feet of 6-5/8-inch casing at top; 64 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 16 feet drawdown when bailing 5 gallons a minute. Drilled by M. L. Morgan. See log.
762	89	e/ 1938	C,W	D,S	--	Unit number 79. 21 feet of 6-5/8-inch casing at top; 64 feet of 5-inch casing at bottom; bottom 20 feet perforated. Reported 10 feet drawdown when bailing 5 gallons a minute. Drilled by Travis Tubb. See log.
763	85	e/ 1938	C,W	D,S	--	Unit number 80. 21 feet of 6-5/8-inch casing at top; 42 feet of 5-inch casing at bottom; bottom 20 feet perforated. Reported 13 feet drawdown when bailing 5 gallons a minute. See
764	83	e/ 1938	C,W	D,S	--	Unit number 81. 21 feet of 6-5/8-inch casing at top; 53 feet of 5-inch casing at bottom; bottom 17 feet perforated. Reported 12 feet drawdown when bailing 5 gallons a minute. Drilled by J. M. De Pauw. See log.
765	75	e/ 1938	C,W	D,S	--	Unit number 71. 20 feet of 6-5/8-inch casing at top; 42 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 7 feet drawdown when bailing 5 gallons a minute. Drilled by M. L. Morgan. See log.
766	89	e/ 1938	C,W	D,S	--	Unit number 60. 21 feet of 6-5/8-inch casing at top; 61 feet of 5-inch casing at bottom; bottom 27 feet perforated. Reported 17 feet drawdown when bailing 5 gallons a minute. See
767	87	e/ 1938	C,W	D,S	--	Unit number 49. 20 feet of 6-5/8-inch casing at top; 42 feet of 5-inch casing at bottom; bottom 20 feet perforated. Reported 10 feet drawdown when bailing 5 gallons a
768	92	e/ 1938	C,W	D,S	--	Unit number 48. 21 feet of 6-5/8-inch casing at top; 64 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 62 feet drawdown when bailing 5 gallons a minute. Drilled by J. M. De Pauw. See
769	93	e/ 1938	C,W	D,S	--	Unit number 47. 21 feet of 6-5/8-inch casing at top; 41 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 9 feet drawdown when bailing 5 gallons a minute. Drilled by J. M. De Pauw. See log.

Records of wells in Hockley County--Continued

No.	Distance from Levelland	Section or labor	Survey, block or league	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
d/770	14 $\frac{3}{4}$ miles southeast	12, NW $\frac{1}{4}$ W $\frac{1}{2}$	lge. 11 Donley Co. School Land	U.S. D.A - Farm Security Adm.	1937	135	6- 5/8	--
d/771	14 $\frac{1}{4}$ miles southeast	13, NE $\frac{1}{4}$ W $\frac{1}{2}$	do.	do.	1937	132	6- 5/8	--
d/772	14 $\frac{1}{2}$ miles southeast	9(?), NW $\frac{1}{4}$ E $\frac{1}{2}$	do.	do.	1937	158	6- 5/8	--
d/773	do.	2, SW $\frac{1}{4}$ E $\frac{1}{2}$	do.	do.	1937	123	6- 5/8	--
d/774	14 $\frac{1}{4}$ miles southeast	2, NW $\frac{1}{4}$ E $\frac{1}{2}$	do.	do.	1937	105	6- 5/8	--
d/775	do.	22, SE $\frac{1}{4}$ W $\frac{1}{2}$	lge. 12 Donley Co. School Land	do.	1937	125	6- 5/8	--
776	14 miles southeast	19, SE $\frac{1}{4}$ W $\frac{1}{2}$	do.	do.	1937	144	6- 5/8	--
d/777	14 $\frac{1}{4}$ miles southeast	20, SE $\frac{1}{4}$ W $\frac{1}{2}$	do.	do.	1937	127	6- 5/8	--
d/778	13 $\frac{3}{4}$ miles southeast	19, NE $\frac{1}{4}$ W $\frac{1}{2}$	do.	do.	1937	121	6- 5/8	--
d/779	13 $\frac{1}{4}$ miles southeast	13, SE $\frac{1}{4}$ W $\frac{1}{2}$	do.	do.	1937	133	6- 5/8	--

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No.	Water level		Pump and power b/	Use of water c/	Topo- graphic situa- tion	Remarks
	Depth below measur- ing point (ft.)	Date of measure- ment				
770	83	e/ 1938	C,W	D,S	--	Unit number 59. 22 feet of 6-5/8-inch casing at top; 63 feet of 5-inch casing at bottom; bottom 20 feet perforated. Reported 23 feet drawdown when bailing 5 gallons a minute. Drilled by Autrey Bros. See log.
771	80	e/ 1938	C,W	D,S	--	Unit number 69. 20 feet of 6-5/8-inch casing at top; 59 feet of 5-inch casing at bottom; bottom 19 feet perforated. Reported 15 feet drawdown when bailing 5 gallons a minute. Drilled by W. H. Joy. See log.
772	95	e/ 1938	C,W	D,S	--	Unit number 58. 21 feet of 6-5/8-inch casing at top; 62 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 25 feet drawdown when bailing 5 gallons a minute. Drilled by M. L. Morgan. See log.
773	98	e/ 1938	C,W	D,S	--	Unit number 46. 22 feet of 6-5/8-inch casing at top; 43 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 5 feet drawdown when bailing 5 gallons a minute. Drilled by W. H. Joy. See log.
774	100	e/ 1938	C,W	D,S	--	Unit number 45. 22 feet of 6-5/8-inch casing at top; 64 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 2 feet drawdown when bailing 5 gallons a minute. Drilled by Autrey Bros. See log.
775	106	e/ 1938	C,W	D,S	--	Unit number 57. 21 feet of 6-5/8-inch casing at top; 36 feet of 5-inch casing at bottom; bottom 17 feet perforated. Reported 2 feet drawdown when bailing 5 gallons a minute. Drilled by Autrey Bros. See log.
776	114	e/ 1938	C,W	D,S	--	Unit number 56. 21 feet of 6-5/8-inch casing at top; 57 feet of 5-inch casing at bottom; bottom 19 feet perforated. Reported 6 feet drawdown when bailing 5 gallons a minute. Drilled by J. M. De Pauw. See log.
777	108	e/ 1938	C,W	D,S	--	Unit number 44. 21 feet of 6-5/8-inch casing at top; 42 feet of 5-inch casing at bottom; bottom 15 feet perforated. Reported 7 feet drawdown when bailing 5 gallons a minute. Drilled by M. L. Morgan. See log.
778	114	e/ 1938	C,W	D,S	--	Unit number 55. 31 feet of 6-5/8-inch casing at top; 63 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 11 feet drawdown when bailing 5 gallons a minute. Drilled by W. H. Joy. See log.
779	107	e/ 1938	C,W	D,S	--	Unit number 64. 21 feet of 6-5/8-inch casing at top; 41 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 5 feet drawdown when bailing 5 gallons a minute. Drilled by J. M. De Pauw. See log.

Records of wells in Hockley County--Continued

No.	Distance from Levelland	Section or labor	Survey, block or league	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
d/780	13 $\frac{1}{4}$ miles southeast	13, cen.	lge. 12 Donley Co. School	U.S.D.A. - Farm Land Security Adm.	1937	131	6- 5/8	--
d/781	13 $\frac{1}{2}$ miles southeast	12, NW $\frac{1}{4}$ E $\frac{1}{2}$	do.	do.	1937	135	6- 5/8	--
d/782	13 $\frac{1}{4}$ miles southeast	2, SE $\frac{1}{4}$ W $\frac{1}{2}$	do.	do.	1937	129	6- 5/8	--
d/783	13 miles southeast	2, NE $\frac{1}{4}$ W $\frac{1}{2}$	do.	do.	1937	130	6- 5/8	--
d/784	13 $\frac{3}{4}$ miles southeast	1, SE $\frac{1}{4}$ W $\frac{1}{2}$	do.	do.	1937	128	6- 5/8	--
d/785	14 miles southeast	10, NE $\frac{1}{4}$ E $\frac{1}{2}$	do.	do.	1937	118	6- 5/8	--
786	14 $\frac{1}{2}$ miles southeast	16, SE $\frac{1}{4}$ NE $\frac{1}{4}$	lge. 8 Wilbarger Co. School Land	do.	1937	136	6- 5/8	--
d/787	15 $\frac{1}{4}$ miles southeast	18, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	1937	148	6- 5/8	--
d/788	15 $\frac{1}{2}$ miles southeast	19, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	1937	153	6- 5/8	--
789	15 $\frac{3}{4}$ miles southeast	19, NE $\frac{1}{4}$ NE $\frac{1}{4}$	do.	Elwood Est.	Old	110+	6	1.5
790	16 $\frac{1}{2}$ miles southeast	16, SW $\frac{1}{4}$ NE $\frac{1}{4}$	lge. 7 Wilbarger Co. School Land	U.S.D.A. - Farm Land Security Adm.	1937	124	6- 5/8	--

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No.	Water level		Pump and power b/	Use of water c/	Topo- graphic situa- tion	Remarks
	Depth below measur- ing point (ft.)	Date of measur- ment				
780	104	e/ 1938	C,W	D,S	--	Unit number 54. 21 feet of 6-5/8-inch casing at top; 41 feet of 5-inch casing at bottom; bottom 20 feet perforated. Reported 2 feet drawdown when bailing 5 gallons a minute. Drilled by J. M. De Pauw. See log.
781	110	e/ 1938	C,W	D,S	--	Unit number 43. 21 feet of 6-5/8-inch casing at top; 39 feet of 5-inch casing at bottom; bottom 19 feet perforated. Reported 5 feet drawdown when bailing 5 gallons a minute. Drilled by J. M. De Pauw. See log.
782	103	e/ 1938	C,W	D,S	--	Unit number 53. 21 feet of 6-5/8-inch casing at top; 64 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 6 feet drawdown when bailing 5 gallons a minute. Drilled by Roy L. Janes. See log.
783	101	e/ 1938	C,W	D,S	--	Unit number 52. 21 feet of 6-5/8-inch casing at top; 61 feet of 5-inch casing at bottom; bottom 21 feet perforated. Reported 4 feet drawdown when bailing 5 gallons a minute. See
784	106	e/ 1938	C,W	D,S	--	Unit number 41. 21 feet of 6-5/8-inch casing at top; 65 feet of 5-inch casing at bottom; bottom 22 feet perforated. Reported 9 feet drawdown when bailing 5 gallons a minute. Drilled by J. M. De Pauw. See log. log.
785	99	e/ 1938	C,W	D,S	--	Unit number 42. 21 feet of 6-5/8-inch casing at top; 38 feet of 5-inch casing at bottom; bottom 19 feet perforated. Reported 9 feet drawdown when bailing 5 gallons a minute. Drilled by W. H. Joy. See log.
786	102	e/ 1938	C,W	D,S	--	Unit number 39. 21 feet of 6-5/8-inch casing at top; 40 feet of 5-inch casing at bottom; bottom 20 feet perforated. Reported 10 feet drawdown when bailing 5 gallons a minute. Drilled by W. H. Joy. See log.
787	118	e/ 1938	C,W	D,S	--	Unit number 38. 21 feet of 6-5/8-inch casing at top; 40 feet of 5-inch casing at bottom; bottom 20 feet perforated. Reported 10 feet drawdown when bailing 5 gallons a minute. Drilled by J. M. De Pauw. See log.
788	110	e/ 1938	C,W	D,S	--	Unit number 37. 21 feet of 6-5/8-inch casing at top; 62 feet of 5-inch casing at bottom; bottom 20 feet perforated. Reported 10 feet drawdown when bailing 5 gallons a minute. Drilled by M. L. Morgan. See log.
789	94.3	Feb. 6, 1940	C,W	S	Flat	North one of two wells about 200 feet apart.
790	93	e/ 1938	C,W	D,S	--	Unit number 36. 21 feet of 6-5/8-inch casing at top; 43 feet of 5-inch casing at bottom; bottom 20 feet perforated. Reported 7 feet drawdown when bailing 5 gallons a minute. Drilled by W. H. Joy. See log.

Records of wells in Hockley County--Continued

No.	Distance from Levelland	Section or labor	Survey, block or league	Owner	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
d/791	17 $\frac{1}{4}$ miles southeast	18, SE $\frac{1}{4}$ NW $\frac{1}{4}$	lge. 7 Wilbarger Co. School Land	U.S.D.A. - Farm Security	1937 Adm.	122	6- 5/8	--
d/792	18 miles southeast	19, SW $\frac{1}{4}$ NE $\frac{1}{4}$	do.	do.	1937	124	6- 5/8	--
d/793	18 $\frac{1}{2}$ miles east	23, NW $\frac{1}{4}$ NW $\frac{1}{4}$	blk. D Lubbock Co. School Land	C. A. Kellner	--	--	--	0.2
795	17 $\frac{1}{2}$ miles southeast	(?) NE $\frac{1}{4}$ NW $\frac{1}{4}$	lge. 10 Donley Co. School Land	U.S.D.A - Farm Security	1935	--	6- 5/8	--
798	16 $\frac{3}{4}$ miles southeast	21, SE $\frac{1}{4}$ SE $\frac{1}{4}$	lge. 8 Wilbarger Co. School Land	do.	1935	--	6- 5/8	--
804	15 $\frac{1}{4}$ miles southeast	23, SW $\frac{1}{4}$ SE $\frac{1}{4}$	do.	do.	1935	--	6- 5/8	--
808	15 $\frac{1}{2}$ miles southeast	24, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	do.	1935	--	6- 5/8	--
813	16 miles southeast	7, SW $\frac{1}{4}$ SE $\frac{1}{4}$	lge. 9 Donley Co. School Land	do.	1935	--	6- 5/8	--
817	16 $\frac{1}{2}$ miles southeast	17, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	1935	--	6- 5/8	--
821	16 $\frac{1}{2}$ miles southeast	9, SW $\frac{1}{4}$ SW $\frac{1}{4}$	do.	do.	1935	--	6- 5/8	--
824	17 miles southeast	10, SE $\frac{1}{4}$ NW $\frac{1}{4}$	do.	do.	1935	--	6- 5/8	--
827	19 $\frac{1}{2}$ miles southeast	74, SW $\frac{1}{4}$ SE $\frac{1}{4}$	blk. 20 H. E. & V. T. R. R.	W. L. Millsap	--	92	10	0.5
d/828	20 $\frac{1}{2}$ miles southeast	49, NW $\frac{1}{4}$ NW $\frac{1}{4}$	do.	F. E. McNabb	1939	183	14	--

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

b/ B, bucket; C, cylinder; W, windmill; H, hand; G, Gasoline; E, electric; number indicates horsepower.

Records obtained by Carl B. Mueller, Project Superintendent
 and Joe W. Lang of the Texas Board of Water Engineers

No.	Water level		Pump and power b/	Use of water c/	Topo- graphic situa- tion	Remarks
	Depth below measur- ing point (ft.)	Date of measure- ment e/				
791	92	e/ 1938	C,r	D,S	--	Unit number 35. 22 feet of 6-5/8-inch casing at top; 40 feet of 5-inch casing at bottom; bottom 20 feet perforated. Reported 8 feet drawdown when bailing 5 gallons a minute. Drilled by W. H. Joy. See log.
792	91	e/ 1938	C,W	D,S	--	Unit number 35. 21 feet of 6-5/8-inch casing at top; 61 feet of 5-inch casing at bottom; bottom 20 feet perforated. Reported 14 feet drawdown when bailing 5 gallons a minute. Drilled by W. H. Joy. See log.
793	78.0	Feb. 7, 1940	C,W	N	Gentle slope	Unused well.
795	--	--	C,W	D,S	--	Unit number 2. 6-5/8-inch casing at top.
798	--	--	C,W	D,S	--	Unit number 5. 6-5/8-inch casing at top.
804	--	--	C,W	D,S	--	Unit number 11. 6-5/8-inch casing at top.
808	--	--	C,W	D,S	--	Unit number 15. 6-5/8-inch casing at top.
813	--	--	C,W	D,S	--	Unit number 26. 6-5/8-inch casing at top.
817	--	--	C,W	D,S	--	Unit number 23. 6-5/8-inch casing at top.
821	--	--	C,W	D,S	--	Unit number 28. 6-5/8-inch casing at top.
824	--	--	C,W	D,S	--	Unit number 31. 6-5/8-inch casing at top.
827	77.1	Feb. 7, 1940	C,W	D,S	Gentle slope	No casing at top; some casing at bottom. Well on slope to depression lake.
828	--	--	T,G, 85	I	Ridge- top	3-stage pump set at 130 feet; 20 feet of 8-5/8-inch suction. Reported yield, 800 gallons a minute. 183 feet of 14-inch casing with bottom 100 feet perforated. Drilled by B. B. Baron.

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

d/ No water sample collected for analysis.

e/ Water level reported.

* Unit number refers to farm number of U. S. Department of Agriculture - Farm Security Administration.

Table of Drillers' Logs, Hockley County, Texas

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 306</u>		
R. F. Duggan & Loffland Lessor- Yellow House Land Company. Well 1.		
Caliche - - - - -	40	40
Surface sand and gravel	50	90
Water sand - - - - -	30	120
Red rock and shells - -	70	190
Red beds - - - - -	50	240
Hard sand - - - - -	20	260
Red beds and shells - -	840	1100
Red beds and shale - -	200	1300
Red rock - - - - -	60	1360
Shale and shells - - -	95	1455
Red rock, shale and shells	335	1790
Red rock - - - - -	90	1880
Anhydrite - - - - -	25	1905
Broken anhydrite, red rock, shale and shells - -	183	2088
TOTAL DEPTH - - - - -		4665

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 457</u>		
C. L. Langston, $3\frac{1}{2}$ miles east of Anton.		
Unknown - - - - -	60	60
Dry red sand - - - - -	40	100
First water - - - - -	10	110
Caliche - - - - -	45	155
Gravel, weak water - -	10	165
Yellow gumbo - - - - -	15	180
Blue shale - - - - -	9	189
TOTAL DEPTH - - - - -		189

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 585</u>		
City of Levelland, in Levelland.		
Top soil - - - - -	2	2
Sand - - - - -	10	12
Soft clay - - - - -	33	45
Hard rock - - - - -	6	51
Soft formation - - - - -	4	55
Rock - - - - -	4	59
Soft sand formation - -	17	76
Hard rock - - - - -	3	79
Extra soft sand - - - -	17	96
Extra hard rock - - - -	7	103
Water sand - - - - -	20	123
Soft sandy clay - - - -	28	151
Water sand - - - - -	47	198
TOTAL DEPTH - - - - -		198

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 590</u>		
E. W. Walker, $1\frac{1}{4}$ miles northeast of Levelland.		
Gray limey flint - - -	91	91
Gray sandy caliche - -	5	96
Water - - - - -	10	106
Gray sandy caliche - -	2	108

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 590--Continued</u>		
Red flint - - - - -	3	111
Gray sandstone - - -	4	115
Light-brown sand, gravel and clay - - - - -	24	139
Sandy brown clay - - -	19	158
Gray coarse sand - - -	7	165
Brown coarse sand and gravel	35	200
Loose coarse sand and gravel	4	204
TOTAL DEPTH - - - - -		204

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 682</u>		
Spade Ranch, $9\text{-}3\frac{3}{4}$ miles east of Levelland.		
Porous sandy clay - - -	85	85
Yellow clay - - - - -	20	105
Blue clay - - - - -	15	120
Rock - - - - -	10	130
Blue limestone - - - -	20	150
Red beds - - - - -	20	170
TOTAL DEPTH - - - - -		170

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 729</u>		
World Oil Company, W. L. Ellwood well 1, $15\frac{1}{2}$ miles southeast of Levelland.		
Clay - - - - -	40	40
Sandy red shale - - - -	75	115
Water sand - - - - -	40	155
Quicksand - - - - -	25	180
Blue shale - - - - -	95	275
White lime - - - - -	60	335
Red beds - - - - -	55	390
Blue shale - - - - -	15	405
Red beds - - - - -	155	560
Sandy gray lime - - - -	30	590
Red beds - - - - -	110	700
Sandy gray shale, 2 bailers of water per hour- - -	35	735
Red beds - - - - -	30	765
Red sand - - - - -	20	785
Red beds - - - - -	35	820
Water sand, 8 bailers of water per hour - - -	20	840
Red beds - - - - -	230	1070
Gray shale - - - - -	35	1105
Red beds - - - - -	409	1514
Anhydrite - - - - -	4	1518
Red beds - - - - -	6	1524
Lime - - - - -	7	1531
Anhydrite - - - - -	18	1549
Shale - - - - -	6	1555
Sandy lime - - - - -	2	1557
Anhydrite - - - - -	16	1573
Hard sand - - - - -	9	1582

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Table of Driller's Logs, Hockley County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 729--Continued		
Sandy shale - - - -	16	1598
Shale and shells - - -	97	1695
Shale - - - - -	5	1700
Hard sand - - - - -	10	1710
Sticky shale - - - - -	5	1715
Sand - - - - -	15	1730
Sand and shells - - -	15	1745
Hard sand - - - - -	12	1757
Shale - - - - -	28	1785
Blue shale - - - - -	35	1820
TOTAL DEPTH - - - - -		5080

Driller's log of well 730		
F. A. Bates Company, A. L. Lockett well 1, 13-3/4 miles south of Levelland.		
Caliche - - - - -	40	40
Caliche and sand - - -	110	150
Sand - - - - -	10	160
Clay - - - - -	37	197
Clay and hard sand - -	133	330
Shale - - - - -	80	410
Red rock - - - - -	20	430
Blue shale - - - - -	135	565
Sand - - - - -	5	570
Blue shale - - - - -	80	650
Sand - - - - -	15	665
Blue shale - - - - -	235	900
Sand - - - - -	140	1040
Red beds- - - - -	360	1400
Sand - - - - -	490	1890
Red beds- - - - -	155	2045
Hard sand - - - - -	5	2050
TOTAL DEPTH - - - - -		5260

Driller's log of well 731		
Gulf Oil Corporation, M. G. Gordon well 1, 13 miles south of Levelland.		
Surface gravel - - - -	47	47
Sand - - - - -	48	95
Rock - - - - -	2	97
Sand shells - - - - -	138	235
Hard sand, shale - - -	110	345
Sand and lime - - - -	25	370
Shale - - - - -	68	438
Shale, sand - - - - -	102	540
Sand and shale - - - -	68	608
Sandy shale, shells - -	175	783
Shale, hard sand shells-	67	850
Shale - - - - -	140	990
Hard sand - - - - -	20	1010
Shale - - - - -	340	1350
Hard sandy lime - - - -	6	1356
Shale - - - - -	28	1384
Hard sand - - - - -	11	1395

	Thickness (feet)	Depth (feet)
Driller's log of well 731--Continued		
Sandy shale - - - - -	134	1529
Shale, hard sand streaks	41	1570
Shale - - - - -	70	1640
Shale, shells- - - - -	190	1830
Hard sand and lime - -	30	1860
Hard sand streaks and shale	93	1953
Shale - - - - -	23	1976
Shale, lime - - - - -	99	2075
Sand and shale - - - -	26	2101
Shale, hard sand - - -	17	2118
Hard sand rock - - - -	7	2125
Shale, shells - - - - -	31	2156
Shale, hard sand - - -	29	2185
Shale, shells - - - - -	15	2200
Shale, sand - - - - -	22	2222
Hard red shale and lime	28	2250
Red shale, shells - - -	11	2261
TOTAL DEPTH - - - - -		5074

Driller's log of well 732		
Snowden & McSweeney Company, A. A. Slaughter well 1, 12 1/2 miles south of Levelland.		
Surface soil - - - - -	40	40
Sand and shale - - - -	291	331
Sand, shale, shells - -	62	393
(Set and cemented 12 1/2-inch casing with 200 sacks cement), sand, shale	146	539
Sand, red beds - - - -	215	754
Shale, sand shells - - -	241	995
Shale - - - - -	350	1345
Sand, shells - - - - -	118	1463
Sand, shells and shale	127	1590
Red beds - - - - -	79	1669
Sand, shells and shale	126	1795
Shale, shells and sand	150	1945
Shale - - - - -	149	2094
TOTAL DEPTH - - - - -		5096

Driller's log of well 733		
Honolulu Oil Corporation. Lessor - Alex A. Slaughter estate, well 2-77, 13 miles south of Levelland.		
Cellar - - - - -	13	13
Caliche, surface sand -	92	105
Sand, water - - - - -	30	135
Shale, shells - - - - -	225	360
Blue shale - - - - -	50	410
Red rock, sand, shale -	1715	2125
Hard sand - - - - -	50	2175
Red rock, gypsum - - -	55	2230
Anhydrite - - - - -	100	2330
(Continued on next page)		

Table of Drillers' Logs, Hockley County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 733--Continued</u>		
Salt - - - - -	30	2360
TOTAL DEPTH - - - - -		5015

<u>Driller's log of well 734</u>		
Honolulu Oil Corporation. Lessor - Alex A. Slaughter estate, well 1-51, 12-3/4 miles southwest of Levelland.		
Cellar - - - - -	10	10
Sand, caliche - - - - -	190	200
Blue shale, shells - - - - -	120	320
Red beds - - - - -	1750	2070
Broken sand - - - - -	120	2190
Anhydrite - - - - -	100	2290
Red beds, shale - - - - -	210	2500
Anhydrite, red salt bed - - - - -	309	2809
TOTAL DEPTH - - - - -		4973

<u>Driller's log of well 735</u>		
Gulf Oil Corporation, Gulf Production Division. Lessor - Mallet Land & Cattle Company, well 1, 14 1/2 miles southwest of Levelland.		
Sand - - - - -	180	180
Sand and blue shale - - - - -	141	321
Sand, shale and lime shells - - - - -	90	411
Shale- - - - -	83	494
Shale and red rock - - - - -	44	538
Red rock and shells - - - - -	786	1324
Red rock and gypsum shells - - - - -	146	1470
Red and blue shale - - - - -	120	1590
Red rock and shells - - - - -	89	1679
Red beds and gypsum shells - - - - -	227	1906
Red beds- - - - -	77	1983
Red beds and sand shells - - - - -	132	2115
TOTAL DEPTH - - - - -		5034

<u>Driller's log of well 736</u>		
S. W. Richardson Company, Sue Alice Slaughter, well 1, 11 1/2 miles southwest of Levelland.		
Sand and red beds- - - - -	322	322
Blue shale - - - - -	39	361
Red beds- - - - -	104	525
Sand, blue shale - - - - -	139	664
Red rock and sand - - - - -	451	1115
Sand and red rock - - - - -	230	1345
Red beds, shale and shells - - - - -	135	1480
Red shale - - - - -	430	1910
Gypsum, shells and shale - - - - -	65	1975
Hard sand, red beds, shale and lime shells - - - - -	162	2137
Red beds, shells - - - - -	3	2140
Anhydrite - - - - -	29	2169
TOTAL DEPTH - - - - -		4994

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 744</u>		
United States Department of Agriculture, Farm Security Administration, 13 1/2 miles southeast of Levelland.		
Soil - - - - -	3	3
Caliche - - - - -	17	20
Sandy clay - - - - -	34	54
Rock - - - - -	24	78
Sand and clay - - - - -	46	124
Sand and gravel - - - - -	8	132
TOTAL DEPTH - - - - -		132

<u>Drillers log of well 745</u>		
United States Department of Agriculture, Farm Security Administration, 13 miles southeast of Levelland.		
Soil - - - - -	4	4
Sand and clay - - - - -	16	20
Rock - - - - -	22	42
Sand and rock - - - - -	46	88
Sand and clay - - - - -	27	115
Gravel - - - - -	4	119
TOTAL DEPTH - - - - -		119

<u>Driller's log of well 746</u>		
United States Department of Agriculture, Farm Security Administration, 12 1/2 miles southeast of Levelland.		
Soil - - - - -	8	8
Caliche and clay - - - - -	32	40
Sand rock - - - - -	12	52
Rock - - - - -	8	60
Sand and caliche - - - - -	24	84
Sand and gravel - - - - -	49	133
TOTAL DEPTH - - - - -		133

<u>Driller's log of well 747</u>		
United States Department of Agriculture, Farm Security Administration, 12 miles southeast of Levelland.		
Soil - - - - -	3	3
Caliche and clay - - - - -	37	40
Rock - - - - -	8	48
Sand and clay - - - - -	42	90
Sand - - - - -	35	125
TOTAL DEPTH - - - - -		125

<u>Driller's log of well 748</u>		
United States Department of Agriculture, Farm Security Administration, 11-3/4 miles southeast of Levelland.		
Soil - - - - -	4	4
Clay - - - - -	26	30
Sand and rock - - - - -	35	65

(Continued on next page)

Table of Drillers' Logs, Hockley County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 748--Continued</u>		
Sand and clay - - - -	30	95
Sand - - - - -	20	115
TOTAL DEPTH - - - -		115

<u>Driller's log of well 749</u>		
United States Department of Agriculture, Farm Security Administration, 11½ miles southeast of Levelland.		
Soil - - - - -	4	4
Clay and caliche - - -	30	34
Rock - - - - -	10	44
Sandy clay - - - - -	43	87
Sand and gravel - - - -	18	105
TOTAL DEPTH - - - - -		105

<u>Driller's log of well 750</u>		
United States Department of Agriculture, Farm Security Administration, 11½ miles southeast of Levelland.		
Soil - - - - -	4	4
Caliche and clay - - -	44	48
Rock - - - - -	3	51
Sand rock - - - - -	22	73
Sand and clay - - - - -	27	100
Sand - - - - -	26	126
TOTAL DEPTH - - - - -		126

<u>Driller's log of well 751</u>		
United States Department of Agriculture, Farm Security Administration, 11½ miles southeast of Levelland.		
Soil - - - - -	5	5
Caliche - - - - -	45	50
Rock and caliche - - -	45	95
Sand and gravel - - - -	28	123
TOTAL DEPTH - - - - -		123

<u>Driller's log of well 752</u>		
United States Department of Agriculture, Farm Security Administration, 12½ miles southeast of Levelland.		
Soil - - - - -	7	7
Caliche and clay - - -	49	56
Sand rock and boulders -	41	97
Sand and gravel - - - -	31	128
TOTAL DEPTH - - - - -		128

<u>Driller's log of well 753</u>		
United States Department of Agriculture, Farm Security Administration, 12½ miles southeast of Levelland.		
Soil - - - - -	4	4
Clay and caliche - - -	46	50
Rock and caliche - - -	23	73

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 753--Continued</u>		
Sandy clay - - - - -	25	98
Sand and gravel - - - -	14	112
TOTAL DEPTH - - - - -		112

<u>Driller's log of well 754</u>		
United States Department of Agriculture, Farm Security Administration, 12½ miles southeast of Levelland.		
Soil - - - - -	5	5
Clay and caliche - - -	70	75
Rock - - - - -	6	81
Sand and clay - - - - -	19	100
Sand - - - - -	25	125
TOTAL DEPTH - - - - -		125

<u>Driller's log of well 755</u>		
United States Department of Agriculture, Farm Security Administration, 12-3/4 miles southeast of Levelland.		
Soil - - - - -	6	6
Caliche - - - - -	12	18
Sand and caliche - - -	49	67
Rock and sand rock - -	28	95
Sand and gravel - - - -	27	122
TOTAL DEPTH - - - - -		122

<u>Driller's log of well 756</u>		
United States Department of Agriculture, Farm Security Administration, 12-3/4 miles southeast of Levelland.		
Soil - - - - -	3	3
Caliche and clay - - -	49	52
Rock - - - - -	8	60
Caliche - - - - -	35	95
Sand and gravel - - - -	32	127
TOTAL DEPTH - - - - -		127

<u>Driller's log of well 757</u>		
United States Department of Agriculture, Farm Security Administration, 13 miles southeast of Levelland.		
Top soil - - - - -	6	6
Caliche - - - - -	29	35
Sand rock and caliche -	23	58
Boulders - - - - -	11	69
Sand and clay - - - - -	26	95
Water sand - - - - -	24	119
TOTAL DEPTH - - - - -		119

<u>Driller's log of well 758</u>		
United States Department of Agriculture, Farm Security Administration, 13½ miles southeast of Levelland.		
Soil - - - - -	3	3

(Continued on next page)

Table of Drillers' Logs, Hockley County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 758--Continued</u>		
Clay and caliche - - -	37	40
Rock - - - - -	35	75
Sand and clay - - -	35	110
Gravel - - - - -	3	113
TOTAL DEPTH - - -		113

<u>Driller's log of well 759</u>		
United States Department of Agriculture, Farm Security Administration, 13-3/4 miles southeast of Levelland.		
Soil - - - - -	6	6
Caliche - - - - -	49	55
Rock - - - - -	32	87
Sand and clay - - -	43	130
Gravel - - - - -	11	141
TOTAL DEPTH - - -		141

<u>Driller's log of well 760</u>		
United States Department of Agriculture, Farm Security Administration, 14 miles southeast of Levelland.		
Soil - - - - -	3	3
Sand and clay - - -	32	35
Rock - - - - -	40	75
Sand and clay - - -	45	120
Gravel - - - - -	6	126
TOTAL DEPTH - - -		126

<u>Driller's log of well 761</u>		
United States Department of Agriculture, Farm Security Administration, 13 miles southeast of Levelland.		
Soil - - - - -	10	10
Caliche - - - - -	30	40
Sand rock - - - - -	42	82
Boulders - - - - -	6	88
Sand and caliche - - -	7	95
Sand and gravel - - -	42	137
TOTAL DEPTH - - -		137

<u>Driller's log of well 762</u>		
United States Department of Agriculture, Farm Security Administration, 13 1/2 miles southeast of Levelland.		
Soil - - - - -	4	4
Caliche - - - - -	10	14
Sandy clay - - - - -	35	49
Rock - - - - -	20	69
Sandy clay - - - - -	45	114
Water sand - - - - -	3	117
TOTAL DEPTH - - -		117

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 763</u>		
United States Department of Agriculture, Farm Security Administration, 14 miles southeast of Levelland.		
Soil - - - - -	4	4
Clay and caliche - - -	66	70
Boulders - - - - -	15	85
Rock - - - - -	15	100
Sand - - - - -	25	125
TOTAL DEPTH - - -		125

<u>Driller's log of well 764</u>		
United States Department of Agriculture, Farm Security Administration, 14 1/2 miles southeast of Levelland.		
Soil - - - - -	4	4
Clay and caliche - - -	66	70
Rock - - - - -	15	85
Sand and clay - - - -	24	109
Sand - - - - -	15	124
TOTAL DEPTH - - -		124

<u>Driller's log of well 765</u>		
United States Department of Agriculture, Farm Security Administration, 15 miles southeast of Levelland.		
Soil - - - - -	3	3
Clay and caliche - - -	54	57
Boulders - - - - -	6	63
Sand and caliche - - -	17	80
Sand and gravel - - -	20	100
TOTAL DEPTH - - -		100

<u>Driller's log of well 766</u>		
United States Department of Agriculture, Farm Security Administration, 15-3/4 miles southeast of Levelland.		
Soil - - - - -	4	4
Caliche - - - - -	44	48
Rock - - - - -	22	70
Caliche - - - - -	10	80
Sandy clay - - - - -	16	96
Clay and gravel - - -	32	128
TOTAL DEPTH - - -		128

<u>Driller's log of well 767</u>		
United States Department of Agriculture, Farm Security Administration, 16 miles southeast of Levelland.		
Soil - - - - -	3	3
Clay and caliche - - -	32	35
Rock - - - - -	53	88
Sand and clay - - - -	27	115
Gravel - - - - -	9	124
TOTAL DEPTH - - -		124

Table of Drillers' Logs, Hockley County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 768</u>		
United States Department of Agriculture, Farm Security Administration, 15 $\frac{1}{2}$ miles southeast of Levelland.		
Soil - - - - -	4	4
Clay and caliche - - - -	61	65
Sand and rock - - - - -	25	90
Sand and clay - - - - -	30	120
Sand and gravel - - - - -	10	130
TOTAL DEPTH - - - - -		130

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 769</u>		
United States Department of Agriculture, Farm Security Administration, 15 miles southeast of Levelland.		
Soil - - - - -	4	4
Clay and caliche - - - -	61	65
Rock - - - - -	12	77
Sand and clay - - - - -	23	100
Sand - - - - -	30	130
TOTAL DEPTH - - - - -		130

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 770</u>		
United States Department of Agriculture, Farm Security Administration, 14-3/4 miles southeast of Levelland.		
Soil - - - - -	4	4
Clay and caliche - - - -	42	46
Rock and caliche - - - -	27	73
Sandy clay - - - - -	52	125
Gravel - - - - -	10	135
TOTAL DEPTH - - - - -		135

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 771</u>		
United States Department of Agriculture, Farm Security Administration, 14 $\frac{1}{2}$ miles southeast of Levelland.		
Soil - - - - -	3	3
Sand and clay - - - - -	42	45
Rock - - - - -	35	80
Sandy clay - - - - -	45	125
Gravel - - - - -	7	132
TOTAL DEPTH - - - - -		132

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 772</u>		
United States Department of Agriculture, Farm Security Administration, 14 $\frac{1}{2}$ miles southeast of Levelland.		
Soil - - - - -	3	3
Clay and caliche - - - -	43	46
Rock - - - - -	13	59
Caliche and sandstone - -	37	96
Sand and caliche - - - -	49	145
Gravel - - - - -	10	155
Blue clay - - - - -	3	158
TOTAL DEPTH - - - - -		158

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 773</u>		
United States Department of Agriculture, Farm Security Administration, 14 $\frac{1}{2}$ miles southeast of Levelland.		
Soil - - - - -	3	3
Caliche - - - - -	20	23
Sand and clay - - - - -	17	40
Rock - - - - -	35	75
Sandy clay - - - - -	45	120
Gravel - - - - -	3	123
TOTAL DEPTH - - - - -		123

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 774</u>		
United States Department of Agriculture, Farm Security Administration, 14 $\frac{1}{2}$ miles southeast of Levelland.		
Soil - - - - -	4	4
Clay - - - - -	10	14
Caliche - - - - -	26	40
Rock - - - - -	6	46
Caliche and rock - - - -	17	63
Sand and gravel - - - - -	42	105
TOTAL DEPTH - - - - -		105

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 775</u>		
United States Department of Agriculture, Farm Security Administration, 14 $\frac{1}{2}$ miles southeast of Levelland.		
Soil - - - - -	4	4
Caliche and clay - - - -	30	34
Rock - - - - -	20	54
Sandy clay - - - - -	16	70
Rock - - - - -	2	72
Sand rock - - - - -	14	86
Sandy clay - - - - -	26	112
Gravel - - - - -	13	125
TOTAL DEPTH - - - - -		125

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 776</u>		
United States Department of Agriculture, Farm Security Administration, 14 miles southeast of Levelland.		
Soil - - - - -	4	4
Red clay - - - - -	30	34
Sand and clay - - - - -	30	64
Rock - - - - -	15	79
Sand and clay - - - - -	50	129
Water sand - - - - -	15	144
TOTAL DEPTH - - - - -		144

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 777</u>		
United States Department of Agriculture, Farm Security Administration, 14 $\frac{1}{2}$ miles southeast of Levelland.		
Soil - - - - -	4	4

(Continued on next page)

Table of Drillers' Logs, Hockley County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 777--Continued</u>		
Clay and caliche - - -	61	65
Rock - - - - -	25	90
Sand and clay - - - -	17	107
Sand and gravel - - -	20	127
TOTAL DEPTH - - - -		127

<u>Driller's log of well 778</u>		
United States Department of Agriculture, Farm Security Administration, 13-3/4 miles southeast of Levelland.		
Soil - - - - -	3	3
Caliche - - - - -	17	20
Rock - - - - -	51	71
Sand and clay - - - -	39	110
Sand and gravel - - -	11	121
TOTAL DEPTH - - - -		121

<u>Driller's log of well 779</u>		
United States Department of Agriculture, Farm Security Administration, 13 1/4 miles southeast of Levelland.		
Soil - - - - -	4	4
Clay and caliche - - -	56	60
Clay - - - - -	15	75
Sandy clay - - - - -	40	115
Sand and gravel - - -	18	133
TOTAL DEPTH - - - -		133

<u>Driller's log of well 780</u>		
United States Department of Agriculture, Farm Security Administration, 13 1/4 miles southeast of Levelland.		
Soil - - - - -	5	5
Clay and caliche - - -	43	48
Rock - - - - -	6	54
Sand and clay - - - -	51	105
Sand - - - - -	26	131
TOTAL DEPTH - - - -		131

<u>Driller's log of well 781</u>		
United States Department of Agriculture, Farm Security Administration, 13 1/2 miles southeast of Levelland.		
Soil - - - - -	3	3
Clay and caliche - - -	30	33
Sand rock - - - - -	22	55
Sand and clay - - - -	55	110
Sand and gravel - - -	25	135
TOTAL DEPTH - - - -		135

<u>Driller's log of well 782</u>		
United States Department of Agriculture, Farm Security Administration, 13 1/4 miles southeast of Levelland.		
Soil - - - - -	4	4

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 782--Continued</u>		
Sand and clay - - - -	21	25
Sand and rock - - - -	60	85
Yellow sand - - - - -	24	109
Water sand - - - - -	20	129
TOTAL DEPTH - - - -		129

<u>Driller's log of well 783</u>		
United States Department of Agriculture, Farm Security Administration, 13 miles southeast of Levelland.		
Soil - - - - -	4	4
Clay - - - - -	31	35
Sand and rock - - - -	15	50
Sand and clay - - - -	60	110
Sand - - - - -	20	130
TOTAL DEPTH - - - -		130

<u>Driller's log of well 784</u>		
United States Department of Agriculture, Farm Security Administration, 13-3/4 miles southeast of Levelland.		
Soil - - - - -	4	4
Clay - - - - -	26	30
Sand and clay - - - -	10	40
Rock - - - - -	10	50
Sand and clay - - - -	20	70
Sand - - - - -	40	110
Quicksand - - - - -	18	128
TOTAL DEPTH - - - -		128

<u>Driller's log of well 785</u>		
United States Department of Agriculture, Farm Security Administration, 14 miles southeast of Levelland.		
Soil - - - - -	3	3
Clay and caliche - - -	37	40
Rock - - - - -	35	75
Sand and clay - - - -	35	110
Gravel - - - - -	8	118
TOTAL DEPTH - - - -		118

<u>Driller's log of well 786</u>		
United States Department of Agriculture, Farm Security Administration, 14 1/2 miles southeast of Levelland.		
Soil - - - - -	4	4
Sand and clay - - - -	16	20
Rock - - - - -	16	36
Clay and sand rock - -	42	78
Sand and rock - - - -	20	98
Sand and clay - - - -	13	111
Sand and gravel - - -	25	136
TOTAL DEPTH - - - -		136

Table of Drillers' Logs, Hockley County--Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 787</u>		
United States Department of Agriculture, Farm Security Administration, 15 $\frac{1}{2}$ miles southeast of Levelland.		
Soil - - - - -	4	4
Clay and caliche - - -	36	40
Sand and clay - - - -	20	60
Rock - - - - -	5	65
Sand and clay - - - -	25	90
Sand - - - - -	58	148
TOTAL DEPTH - - - -		148

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 788</u>		
United States Department of Agriculture, Farm Security Administration, 15 $\frac{1}{2}$ miles southeast of Levelland.		
Soil - - - - -	4	4
Clay and caliche - - -	44	48
Sand and rock - - - -	36	84
Sand - - - - -	18	102
Sandy gravel - - - -	14	116
Sandy clay - - - - -	22	138
Water sand - - - - -	15	153
TOTAL DEPTH - - - -		153

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 790</u>		
United States Department of Agriculture, Farm Security Administration, 16 $\frac{1}{2}$ miles southeast of Levelland.		
Soil - - - - -	3	3
Caliche - - - - -	17	20
Sand and rock - - - -	50	70
Sand and clay - - - -	48	118
Gravel - - - - -	6	124
TOTAL DEPTH - - - -		124

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 791</u>		
United States Department of Agriculture, Farm Security Administration, 17 $\frac{1}{4}$ miles southeast of Levelland.		
Soil - - - - -	3	3
Clay - - - - -	18	21
Rock - - - - -	35	56
Clay and rock - - - -	30	86
Sand and clay - - - -	34	120
Gravel - - - - -	2	122
TOTAL DEPTH - - - -		122

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 792</u>		
United States Department of Agriculture, Farm Security Administration, 18 miles southeast of Levelland.		
Soil - - - - -	4	4
Caliche - - - - -	15	19
Rock - - - - -	30	49
Sand and rock - - - -	35	84
Sand and clay - - - -	37	121
Gravel - - - - -	3	124
TOTAL DEPTH - - - -		124

Logs of test wells drilled by T. P. A. labor in Hockley County, Texas
 Samples examined and classified by Carl B. Mueller
 Project Superintendent

	Thickness (feet)	Depth (feet)
<u>Well 231</u>		
East slope of dry lake, E. Pfeifer tract, 600 feet east of southwest corner labor 16, league 717, 4-3/4 miles west of Whitharral.		
Gray surface sand-	1	1
Sandy yellowish-gray clay-	5	6
Yellowish-gray sand	7	13
Sandy yellow clay and chalk	2	15
Rock	-	15
April 19, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 232</u>		
East side of dry lake, E. Pfeifer tract, 450 feet east of southwest corner labor 16, league 717, 4-3/4 miles west of Whitharral.		
Sandy yellowish-gray clay	6	6
White sand	5	11
Gray clay-	1	12
Light yellow sand-	3	15
Sandy white chalky clay	9	24
Light-yellow sand-	6	30
Red sand, damp	1	31
Tan sand and chalk	2	33
Red clay and sand-	1	34
Tan sand, water	3	37
Struck water at 34 feet. Water level, 31 feet below top of ground, 30 hours after hole completed. April 19, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 233</u>		
East side of dry lake, E. Pfeifer tract, 300 feet east of southwest corner labor 16, league 717, 4-3/4 miles west of Whitharral.		
Sandy grayish-white clay-	10	10
Yellow clay, little sand-	11	21
Red and yellow clay	3	24
Pan sand, damp-	2	26
Sandy red clay-	3	29
Yellowish-red sand, water	3	32
Struck water at 29 feet. Water level, 28 feet below top of ground, 30 hours after hole completed. April 20, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 234</u>		
Center of dry lake, E. Pfeifer tract, 150 feet east of southwest corner labor 16, league 717, 4-3/4 miles west of Whitharral.		
Gray clay - - - -	3	3
Sandy grayish-white clay-	6	9
Yellow clay - - - -	5	14
White chalk and clay -	7	21
Yellowish-red sand, damp - - - -	5	26
Red clay - - - -	3	29
Yellowish-red sand, water- - - -	3	32
Struck water at 29 feet. Water level, 27 feet below top of ground, 30 hours after hole completed. April 20, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 235</u>		
Center of dry lake, E. Pfeifer tract, southwest corner of labor 16, league 713, 4-3/4 miles west of Whitharral.		
Gray clay - - - -	2	2
Sandy grayish-white clay - - - -	7	9
Sandy yellow clay, little chalk - - -	5	14
Chalky white clay - - -	6	20
Yellowish-red sand, damp	6	26
Red clay - - - -	4	30
Yellowish-red sand - - -	2	32
Struck water at 29.5 feet. Water level, 26.4 feet below top of ground, 24 hours after hole completed. April 20, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 236</u>		
Center of dry lake, E. Pfeifer tract, 150 feet west of southeast corner labor 20, league 718, 4-3/4 miles west of Whitharral.		
Gray clay - - - -	5	5
Yellowish-gray clay-	4	9
Yellow clay and chalk -	4	13
Sandy yellowish-red clay-	6	19
Yellowish-red sand - - -	7	26
Yellow sand- - - -	4	30
Struck water at 27 feet. Water level, 26.3 feet below top of ground, 24 hours after hole completed. April 20, 1939.		

Logs of U. P. A. test wells in Hockley County -- continued

	Thickness (feet)	Depth (feet)
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Well 237

West side of dry lake, E. Pfeifer tract,
300 feet west of southeast corner labor
20, league 718, 4-3/4 miles west of
Whitharral.

Gray clay - - - -	3	3
Sandy yellowish-gray clay - - - -	8	11
Sandy red clay and chalk-	4	15
Red sand and clay - -	2	17
Red sand - - - -	9	26
Yellowish-red sand, water - - - -	5	31
Struck water at 26 feet. Water level, 27.4 feet below top of ground, 48 hours after hole completed. April 21, 1939.		

Well 238

West slope of dry lake, E. Pfeifer tract,
450 feet west of southeast corner labor
20, league 718, 4-3/4 miles west of
Whitharral.

Gray clay - - - -	2	2
Sandy yellowish-gray clay - - - -	5	7
Sandy tan clay- - - -	3	10
Rock- - - -	-	10
April 21, 1939.		

Well 257

West slope of dry lake, E. Pfeifer tract,
350 feet east of southwest corner labor
16, league 731, 7 1/2 miles southwest of
Whitharral.

Brown soil and sand -	1	1
Sandy gray clay - -	9	10
Sandy yellowish-gray clay- - - -	3	13
Yellowish-gray sand -	4	17
Red sand, little clay -	4	21
Rock - - - -	-	21
April 26, 1939.		

Well 258

Center of west side of dry lake, Z. B.
Pirtle tract, 500 feet east of southwest
corner labor 16, league 731, 7 1/2 miles
southwest of Whitharral.

Sandy gray clay- - -	10	10
Sandy yellowish-gray clay- - - -	17	27

	Thickness (feet)	Depth (feet)
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Well 258 - continued

Yellowish-white sand, little clay - - -	7	34
White sand - - - -	2	36
Rock - - - -	-	36
April 26, 1939.		

Well 259

Center of dry lake, Z. B. Pirtle tract,
650 feet east of southwest corner labor
16, league 731, 7 1/2 miles southwest of
Whitharral.

Gray clay - - - -	3	3
Sandy yellowish-gray clay - - - -	13	16
White sand - - - -	1	17
Sandy yellow clay - -	6	23
White sand, little clay-	7	30
White sand - - - -	8	38
Rock - - - -	-	38
April 26, 1939.		

Well 260

Center of east side of dry lake, Z. B.
Pirtle tract, 800 feet east of southwest
corner labor 16, league 731, 7 1/2 miles
southwest of Whitharral.

Gray clay - - - -	4	4
Sandy yellowish-gray clay-	7	11
White sand - - - -	4	15
Sandy yellow clay - -	4	19
White sand, chalk and clay- - - -	6	25
Rock - - - -	-	25
April 26, 1939.		

Well 261

East slope of dry lake, Z. B. Pirtle
tract, 950 feet east of southwest corner
labor 16, league 731, 7 1/2 miles southwest
of Whitharral.

Brown soil and sand -	2	2
Yellowish-gray sand- -	5	7
White chalky clay - -	2	9
Sandy grayish clay and chalk- - - -	5	14
Rock - - - -	-	14
April 26, 1939.		

Logs of W. P. A. test wells in Hockley County -- continued

	Thickness (feet)	Depth (feet)
<u>Well 266</u>		
South slope of dry lake, C. Breeden tract, 300 feet north of southeast corner labor 10, league 731, 5 $\frac{1}{4}$ miles southwest of Whitharral.		
Sandy brown soil and sand-	2	2
Sandy white chalky clay-	5	7
Tan sand and chalk-	4	11
Rock - - - - -		11
April 17, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 267</u>		
South slope of dry lake, C. Breeden tract, 450 feet north of southeast cor- ner labor 10, league 731, 5 $\frac{1}{2}$ miles south- west of Whitharral.		
Sandy brown soil and sand-	1	1
Sandy brownish-gray clay- - - - -	7	8
Tan-colored sand and gray clay - - -	2	10
White chalk and clay -	2	12
Tan-colored sand, little clay - - -	2	14
Sandy white chalky clay - - - - -	1	15
Rock- - - - -		15
April 17, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 268</u>		
South slope of dry lake, C. Breeden tract, 600 feet north of southeast corner labor 10, league 731, 5 $\frac{1}{4}$ miles south- west of Whitharral.		
Tan-colored sand - - -	2	2
Sandy yellowish-gray clay- - - - -	3	5
Fine-grained yellow sand- - - - -	3	8
Sandy yellow clay - - -	1	9
Rock - - - - -		9
April 17, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 269</u>		
Near center of dry lake, C. Breeden tract, 750 feet north of southeast cor- ner of labor 10, league 731, 5 $\frac{1}{4}$ miles southwest of Whitharral.		
Dark gray clay- - - -	1	1
Yellowish-gray clay - -	5	6

	Thickness (feet)	Depth (feet)
<u>Well 269 - continued</u>		
Yellowish-gray sand, little clay - - -		
	2	8
Reddish-yellow sand- - -		
	1	9
Sandy yellow clay - - -		
	3	12
Sandy yellow clay and chalk- - - - -		
	5	17
Sandy yellowish-white clay - - - - -		
	1	18
Rock- - - - -		
		18
April 17, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 270</u>		
Center of dry lake, C. Breeden tract, 900 feet north of southeast corner labor 10, league 731, 5 $\frac{1}{4}$ miles southwest of Whitharral.		
Brown surface clay - - -	1	1
Dark-gray clay - - - -	5	6
Yellowish-gray clay- - -	3	9
White sand - - - - -	3	12
Sandy yellow clay - - -	5	17
Sandy brownish-yellow clay - - - - -		
	5	22
Sandy yellowish-white clay - - - - -		
	8	30
Light red sand, damp - -		
	3	33
Yellowish-white sand, damp - - - - -		
	8	41
Rock - - - - -		
		41
April 17, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 271</u>		
Center of dry lake, C. Breeden tract, 1050 feet north of southeast corner labor 10, league 731, 5 $\frac{1}{4}$ miles southwest of Whitharral.		
Dark-gray clay - - - -		
	5	5
Yellowish-gray clay, little sand - - - -		
	5	10
Yellowish-white sand - -		
	3	13
Sandy yellow clay - - -		
	2	15
Sandy brownish-yellow clay- - - - -		
	5	20
Red sand and yellow clay- - - - -		
	3	23
Grayish-white sand and clay- - - - -		
	3	26
Red and yellow sand - -		
	5	31
Yellowish-white sand - -		
	4	35
White sand- - - - -		
	2	37
April 17, 1939.		

Logs of W. P. A. test wells in Hockley County -- continued

	Thickness (feet)	Depth (feet)
<u>Well 272</u>		
Near center of dry lake, C. Breeden tract, 1200 feet north of southeast corner labor 10, league 731, $5\frac{1}{4}$ miles southwest of Whitharral.		
Dark-gray clay - - -	5	5
Yellowish-gray clay, little sand - - -	4	9
Grayish-white sand - - -	3	12
Sandy yellow clay - - -	11	23
Red sand and yellow clay - - - - -	3	26
Yellowish-white sand - - -	7	33
White sand - - - - -	7	40
Rock - - - - -		40
April 18, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 273</u>		
North side of dry lake, C. Breeden tract, 1600 feet north of southeast corner labor 10, league 731, $5\frac{1}{4}$ miles southwest of Whitharral.		
Dark-gray clay - - -	3	3
Yellowish-gray clay- - -	3	6
Grayish-white sand - - -	2	8
Yellow sand and clay - - -	5	13
Sandy yellowish-brown clay- -	6	19
Yellowish-white sand, little clay - - -	6	25
Grayish-white sand - - -	5	30
Rock - - - - -		
April 18, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 274</u>		
North slope of dry lake, C. Breeden tract, 1600 feet north of southeast corner labor 10, league 731, $5\frac{1}{4}$ miles southwest of Whitharral.		
Red surface sand- - -	1	1
Gray clay and sand - - -	2	3
Yellowish-gray sand- - -	2	5
Tan-colored sand and chalk- - - - -	6	11
White chalky clay - - -	1	12
Rock - - - - -		12
April 18, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 406</u>		
East side of dry lake, C. Breeden tract, 500 feet west of southeast corner labor 1, league 709, 4 miles west of Anton.		

	Thickness (feet)	Depth (feet)
<u>Well 406 - continued</u>		
Brown soil and sand - - -	3	3
Brownish-gray sand - - -	1	4
Yellowish-white chalk, sand and clay- - -	9	13
Rock- - - - -		13
August 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 407</u>		
Near center of dry lake, A. Ellis tract, 650 feet west of southeast corner labor 1, league 709, 4 miles west of Anton.		
Brownish-gray surface clay-	7	7
Yellowish-gray sand- - -	3	10
White sand- - - - -	3	13
Yellow sand - - - - -	4	17
Sandy yellowish-white chalky clay - - -	3	20
Rock - - - - -		20
August 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 408</u>		
Near center of dry lake, A. Ellis tract, 800 feet west of southeast corner labor 1, league 709, 4 miles west of Anton.		
Gray surface clay - - -	7	7
Sandy gray clay - - -	7	14
Yellowish-gray clay, little sand- - - - -	5	19
White sand- - - - -	1	20
Sandy reddish-yellow clay -	4	24
Sandy white chalky clay -	6	30
Red sand, little clay - -	17	47
Reddish-yellow sand, little clay - - -	4	51
Rock - - - - -		51
August 28, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 409</u>		
Near center of dry lake, A. Ellis tract, 950 feet west of southeast corner labor 1, league 709, 4 miles west of Anton.		
Brownish-gray surface clay- - - - -	8	8
Sandy grayish-white chalky clay- - - - -	6	14
Yellowish-gray clay - - -	5	19
Sandy brown clay - - -	2	21
Rock - - - - -		21
August 28, 1939.		

Logs of W. P. A. test wells in Hockley County -- continued

	Thickness (feet)	Depth (feet)
<u>Well 410</u>		
Near center of dry lake, A. Ellis tract, 800 feet east and 150 feet south of southeast corner labor 1, league 709, 4 miles west of Anton.		
Gray clay - - - -	6	6
Grayish-white chalky clay- - - -	6	12
Yellow sand - - -	5	17
Sandy yellow chalky clay- - - -	4	21
Rock - - - -		21
August 28, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 420</u>		
South slope of dry lake, J. T. Lakey tract, 400 feet north of southeast corner sec. 23, blk. A, 4 miles south of Anton.		
Surface soil - - -	1	1
Yellow clay- - - -	2	3
Sandy red clay - - -	3	6
Yellow sand. little clay- - - -	2	8
Rock - - - -		8
May 31, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 421</u>		
South slope of dry lake, J. T. Lakey tract, 550 feet north of southeast corner sec. 23, blk. A, 4 miles south of Anton.		
Gray surface clay - -	3	3
Sandy yellow clay - -	3	6
Tan-colored sand and clay- - - -	2	8
Yellow sand and clay -	9	17
Yellow clay and chalk -	2	19
Rock - - - -		19
May 31, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 422</u>		
Center of south side of dry lake, J. T. Lakey tract, 700 feet north of southeast corner sec. 23, blk. A, 4 miles south of Anton.		
Gray surface clay - -	5	5
Yellow sand- - - -	4	9
Sandy grayish-yellow clay- -- - -	2	11
Yellow sand - - - -	2	13

	Thickness (feet)	Depth (feet)
<u>Well 422 - continued</u>		
Sandy yellow clay - -	5	18
Rock - - - -		18
May 31, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 423</u>		
Center of dry lake, J. T. Lakey tract, 850 feet north of southeast corner sec. 23, blk. A, 4 miles west of Anton.		
Gray surface clay - -	8	8
Sandy yellow clay - -	9	17
Yellow sand - - - -	2	19
Sandy yellow clay - -	9	28
Yellow sand - - - -	10	38
Rock- - - -		38
May 31, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 424</u>		
Near center of dry lake, J. T. Lakey tract, 950 feet west of southeast corner sec. 23, blk. A, 4 miles south of Anton.		
Gray surface material -	8	8
Sandy yellow clay - -	13	21
Yellow sand - - - -	3	24
Sandy yellow clay - -	2	26
Yellow sand - - - -	9	35
Rock - - - -		35
May 31, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 425</u>		
Near center of dry lake, J. T. Lakey tract, 1100 feet west of southeast corner sec. 23, blk. A, 4 miles south of Anton.		
Gray surface clay - -	4	4
Sandy yellowish-gray clay- - - -	3	7
Sandy yellow clay - -	13	20
Sandy yellowish-brown clay- - - -	7	27
Yellowish-white sand -	8	35
Rock - - - -		35
June 1, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 426</u>		
Near center of dry lake, J. T. Lakey tract, 1250 feet north of southeast corner sec. 23, blk. A, 4 miles south of Anton.		
Dark-gray surface clay-	3	3
Sandy gray clay - - -	5	8
Sandy yellow clay- - -	6	14
Yellow sand- - - - -	2	16
Sandy rust-colored clay- - - - -	5	21
Yellow sand and clay -	3	24
Light-red sand - - -	7	31
Yellowish-white sand -	8	39
Rock - - - - -	-	39
June 1, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 427</u>		
North side of dry lake, J. T. Lakey tract, 1400 feet north of southeast corner sec. 23, blk. A, 4 miles south of Anton.		
Surface sand and soil-	1	1
Yellowish-brown clay -	3	4
Rock - - - - -	-	4
June 1, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 506</u>		
North slope of dry lake, F. F. Bozeman tract, northwest corner labor 3, league 44, 5 miles west of Levelland.		
Grayish-brown sand -	3	3
Sandy gray clay - - -	3	6
White chalk and clay -	1	7
Sandy tan-colored clay and chalk - - -	6	13
Rock - - - - -	-	13
July 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 507</u>		
Center of north side of dry lake, F. F. Bozeman tract, 150 feet south of northwest corner labor 3, league 44, 5 miles west of Levelland.		
Gray surface clay- - -	6	6
Yellow sand- - - - -	3	9
Sandy yellow caly- - -	6	15
Chalky white clay- - -	8	23
Red sand and chalk- - -	4	27
Hard chalky rock - - -	2	29
Red sand, little clay-	6	35
Rock - - - - -	-	35
July 8, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 508</u>		
Center of dry lake, F. F. Bozeman tract, 300 feet south of northwest corner labor 3, league 44, 5 miles west of Levelland.		
Gray clay- - - - -	11	11
Yellow sand, little clay - - - - -	3	14
Sandy yellow clay- - -	10	24
White chalk and clay -	5	29
Yellow sand and chalk-	6	35
Rock- - - - -	-	35
July 8, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 509</u>		
Center of dry lake, F. F. Bozeman tract, 450 feet south of northwest corner labor 3, league 44 5 miles west of Levelland.		
Gray clay- - - - -	11	11
Sandy yellow clay- - -	7	18
Yellow sand - - - - -	5	23
Sandy yellow clay- - -	4	27
Yellow sand - - - - -	9	36
Chalky-white sand- - -	4	40
Rock- - - - -	-	40
July 11, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 510</u>		
Center south side of dry lake, F. F. Bozeman tract, 600 feet south of northwest corner labor 3, league 44, 5 miles west of Levelland.		
Gray clay- - - - -	10	10
Yellow sand, little clay - - - - -	6	16
Sandy yellow clay- - -	5	21
Chalky-white sand and clay - - - - -	19	40
Rock - - - - -	-	40
July 11, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 517</u>		
North slope of dry lake, Samson Tire and Rubber Co. tract, 150 feet south of northeast corner labor 15, league 44, 6 miles southwest of Levelland.		
Brown surface sand -	5	5
Sandy white chalk and clay- - - - -	3	8
Sandy red clay- - - - -	2	10
Rock - - - - -	-	10
March 30, 1939.		

Logs of W. P. A. test wells in Hockley County -- continued

	Thickness (feet)	Depth (feet)
<u>Well 518</u>		
Near center of dry lake, Samson Tire and Rubber Co. tract, 300 feet south of north-east corner labor 15, league 44, 6 miles southwest of Levelland.		
Brown surface sand -	4	4
Sandy brownish-gray clay - - - -	2	6
Yellow sand - - - -	1	7
Sandy yellow clay and chalk - - - -	1	8
Rock - - - -	-	8
March 30, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 519</u>		
Center of dry lake, Samson Tire and Rubber Co. tract, 450 feet south of northeast corner labor 15, league 44, 6 miles southwest of Levelland.		
Sandy gray clay - -	5	5
Yellow sand- - - -	2	7
Sandy yellow clay and chalk- - - -	2	9
Sandy red and yellow clay - - - -	6	15
White sand- - - -	11	26
Reddish-white sand, little chalk- - -	4	30
Rock- - - -	-	30
March 30, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 520</u>		
Center of dry lake, Samson Tire and Rubber Co. tract, 600 feet south of northeast corner labor 15, league 44, 6 miles southwest of Levelland.		
Gray surface clay- -	5	5
Yellow sand - - - -	1	6
Sandy red clay and chalk - - - -	3	9
Reddish-yellow sand -	3	12
Rock - - - -	-	12
March 30, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 530</u>		
West slope of dry lake, Anguish and Link tract, 600 feet east of northwest corner labor 5 league 41, 7 $\frac{1}{2}$ miles southwest of Levelland.		
Gray surface clay- -	6	6
Sandy yellow clay- -	2	8

	Thickness (feet)	Depth (feet)
<u>Well 530 - continued</u>		
Yellowish-white sand -	1	9
Sandy yellow clay- -	3	12
Rock- - - -	-	12
March 30, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 531</u>		
Near center of dry lake, Anguish and Link tract, 750 feet east of northwest corner labor 5, league 41, 7 $\frac{1}{4}$ miles southwest of Levelland.		
Gray clay- - - -	5	5
Sandy yellow clay- -	4	9
Yellowish-white sand -	3	12
Yellow sand, little clay- - - -	1	13
Sandy white clay and chalk - - - -	3	16
Rock- - - -	-	16
March 30, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 532</u>		
Center of dry lake, Anguish and Link tract. 900 feet east of northwest corner labor 5, league 41, 7 $\frac{1}{2}$ miles southwest of Levelland.		
Gray surface clay- -	3	3
Yellowish-white sand -	5	8
Sandy white chalk and clay - - - -	13	21
Rock - - - -	-	21
March 30, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 533</u>		
East slope of dry lake, Anguish and Link tract, 1050 feet east of northwest corner labor 5, league 41, 7 $\frac{1}{2}$ miles southwest of Levelland.		
Surface sand and soil-	1	1
Sandy gray clay, little chalk - - - -	7	8
Rock- - - -	-	8
March 30, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 535</u>		
East slope of dry lake, A. L. Peck tract, 450 feet west of northeast corner labor 2, league 41, 7 miles southwest of Levelland.		
Sandy light-gray clay-	2	2
Sandy brownish-white clay and chalk - -	4	6

(Continued on next page.)

Logs of W. P. A. test wells in Heckley County -- continued

	Thickness (feet)	Depth (feet)
<u>Well 535 - continued</u>		
Yellow sandy clay- -	5	11
Sandy white chalky clay- - - -	4	15
Rock - - - -	-	15
March 29, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 536</u>		
Center of dry lake, A. L. Peck tract, 900 feet west of northeast corner labor 2, league 41, 7 miles southwest of Levelland.		
Dark-gray clay - -	4	4
Sandy light-gray clay-	8	12
Sandy yellow clay-	7	19
White sand, little clay-	6	25
Yellow sand- - -	1	26
Yellow sand and chalk - - - -	4	30
Rock- - - -	-	30
March 29, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 537</u>		
Center of dry lake, A. L. Peck tract, 1050 feet west of northeast corner labor 2, league 41, 7 miles southwest of Levelland.		
Dark-gray clay - -	5	5
Sandy light-gray clay-	5	10
Sandy yellow clay- --	9	19
White sand, little clay- - - -	10	29
Rock - - - -	-	29
March 29, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 538</u>		
West slope of dry lake, A. L. Peck tract, 1350 feet west of northeast corner labor 2, league 41, 7 miles southwest of Levelland.		
Surface material - -	2	2
Sandy light-gray clay-	5	7
Sandy white chalky clay - - - -	4	11
Rock- - - -	-	11
March 29, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 540</u>		
Center of sink, E. J. Caraway tract, 1200 feet east of southwest corner labor 14, league 31 6 $\frac{1}{2}$ miles southwest of Level- land.		
Surface material - -	1	1
Gray clay- - - -	2	3
Sandy yellowish-white clay - - - -	7	10
Yellow sand - - - -	2	12
Sandy yellow clay and chalk - - - -	8	20
White chalk and sand -	1	21
Rock - - - -	-	21
March 27, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 541</u>		
Center of dry lake, W. J. Caraway tract, 1050 feet east of southwest corner labor 14, league 31, 6 $\frac{1}{2}$ miles southwest of Levelland.		
Surface material - -	1	1
Gray clay- - - -	2	3
Sandy yellowish-white clay- - - -	12	15
Sandy yellow clay- -	7	22
Reddish-yellow sand -	16	38
Rock - - - -	-	38
March 27, 1939		

	Thickness (feet)	Depth (feet)
<u>Well 542</u>		
West slope of dry lake, E. J. Caraway tract, 450 feet east of southwest corner labor 14, league 31, 6 $\frac{1}{2}$ miles southwest of Levelland.		
Surface material - -	1	1
Sandy yellowish-white clay- - - -	3	4
White sand and chalk -	2	6
Sandy tan-colored clay, little chalk- - -	9	15
Rock - - - -	-	15
March 27, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 543</u>		
West slope of dry lake, W. J. Caraway tract 300 feet east of southwest corner labor 14, league 31, 6 $\frac{1}{2}$ miles southwest of Levelland.		
Sandy gray clay - -	2	2
(Continued on next page)		

Logs of W. P. A. test wells in Hockley County -- continued

	Thickness (feet)	Depth (feet)
<u>Well 543 - continued</u>		
Chalky white sand		
and clay- - - -	5	7
Red sand - - - -	3	10
Rock- - - - -		10
March 27, 1939.		

<u>Well 558</u>		
North side of dry lake, T. E. Lee tract, 450 feet north of southwest corner labor 25, league 32, 7 miles west of Levelland.		
Yellow sand, little		
clay- - - - -	6	6
Grayish-white sand- -	12	18
Rock - - - - -		18
March 24, 1939.		

<u>Well 559</u>		
Near center of dry lake, T. E. Lee tract, 300 feet north of southwest corner labor 25, league 32, 7 miles south of Levelland.		
Sandy gray clay- - -	3	3
Grayish-white sand- -	5	8
Sandy yellow clay - -	2	10
Sandy red clay - - -	4	14
Sandy white clay and chalk- - - - -	1	15
Rock - - - - -		15
March 24, 1939.		

<u>Well 560</u>		
Center of dry lake, T. E. Lee tract, 150 feet north of southwest corner labor 25, league 32, 7 miles south of Levelland.		
Dark-colored surface		
clay- - - - -	4	4
Sandy yellowish-white		
clay- - - - -	5	9
Yellowish-white sand -	1	10
Yellow sand, little		
clay- - - - -	5	15
Sandy red clay- - -	5	20
Reddish-sand, little		
clay- - - - -	9	29
Rock - - - - -		29
March 24, 1939.		

<u>Well 561</u>		
Center of dry lake, T. E. Lee tract, in southwest corner labor 25, league 32,		

	Thickness (feet)	Depth (feet)
<u>Well 561 - continued</u>		
7 miles south of Levelland.		
Dark-colored surface		
clay- - - - -	4	4
Sandy yellowish-white		
clay- - - - -	4	8
Yellowish-white sand -	1	9
Yellow sand, little		
clay- - - - -	4	13
Red sandy clay- - -	3	16
Sandy yellowish-white		
clay- - - - -	4	20
White sand- - - - -	11	31
March 24, 1939.		

<u>Well 562</u>		
South side of dry lake, J. T. Sinclair tract, 150 feet south of northwest cor- ner labor 5, league 33, 7 miles south of Levelland.		
Dark-colored surface		
clay- - - - -	3	3
Sandy yellowish-white		
clay- - - - -	3	6
White sand- - - - -	2	8
Sandy yellow clay - -	3	11
Rock - - - - -		11
March 25, 1939.		

<u>Well 563</u>		
North slope of dry lake, W. May Jones tract, 200 feet south of northwest corner labor 15, league 32, 5½ miles south of Levelland.		
Sandy yellowish-white		
clay and chalk - - -	3	3
Sandy red clay - - -	2	5
Sandy red clay and chalk- - - - -	4	9
Rock- - - - -		9
March 23, 1939.		

<u>Well 564</u>		
Near center of dry lake, W. May Jones tract, 350 feet south of northwest corner labor 15, league 32, 5½ miles south of Levelland.		
Dark-colored surface clay-	3	3
Yellowish-white sand-	2	5
White sand- - - - -	1	6
Sandy yellow clay- - -	3	9
White sand and chalk-	5	14
Rock- - - - -		14
March 23, 1939.		

Logs of W. P. A. test wells in Hockley County -- continued

	Thickness (feet)	Depth (feet)
<u>Well 565</u>		
Center of dry lake, W. May Jones tract, 500 feet south of northwest corner labor 15, league 32, 5 $\frac{1}{2}$ miles south of Levelland.		
Dark-colored surface		
clay - - - -	3	3
Sandy yellow clay- -	4	7
Yellowish-white sand -	4	11
Yellow sand, little clay- - - -	9	20
Rock - - - -		20
March 23, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 566</u>		
Center of sink, W. May Jones tract, 650 feet south of northwest corner labor 15, league 32, 5 $\frac{1}{2}$ miles south of Levelland.		
Dark-colored surface		
clay- - - -	3	3
Sandy yellowish-white clay- - - -	7	10
Sandy yellow clay- -	5	15
Yellow sand - - - -	2	17
Sandy yellow clay- -	4	21
Yellow sand - - - -	10	31
White sand - - - -	4	35
Rock - - - -		35
March 23, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 567</u>		
Center of dry lake, W. May Jones tract, 800 feet south of northwest corner labor 15, league 32, 5 $\frac{1}{2}$ miles south of Levelland.		
Dark-colored surface		
clay- - - -	4	4
Sandy yellowish-white clay- - - -	6	10
Sandy yellow clay- -	6	16
Yellow sand - - - -	3	19
Sandy yellow clay- -	4	23
Yellow sand, little clay- - - -	10	33
March 23, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 568</u>		
South side of lake, W. May Jones tract, 950 feet south of northwest corner labor 15, league 32, 5 $\frac{1}{2}$ miles south of Levelland.		
Dark-colored surface clay- -	4	4

	Thickness (feet)	Depth (feet)
<u>Well 568 - continued</u>		
Sandy yellowish-white clay - - - -		
	4	8
White sand - - - -	3	11
Sandy yellow clay- -	6	17
Yellowish-white sand, little clay - - - -	4	21
White chalk and sand- - - -	1	22
Rock- - - -		22
March 24, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 578</u>		
North slope of sink, City of Levelland tract 900 feet north and 450 feet east of southwest corner labor 13, league 28, $\frac{1}{2}$ mile south of Levelland.		
Surface material - -	1	1
Sandy grayish-colored sand - - - -	9	10
Grayish-colored sand and red sand- - -	2	12
Rock- - - -		12
March 20, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 579</u>		
North slope of sink, City of Levelland tract, 750 feet north and 450 feet east of southwest corner labor 13, league 28, $\frac{1}{2}$ mile south of Levelland.		
Surface material - -	2	2
Grayish-white sand and clay- - - -	5	7
Rock - - - -		7
March 20, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 580</u>		
Center of dry lake, City of Levelland tract, 600 feet north and 450 feet east of southwest corner labor 13, league 28, $\frac{1}{2}$ mile south of Levelland.		
Surface material - -	3	3
Sandy grayish-white clay- -	5	8
Rock- - - -		8
March 20, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 581</u>		
Center of sink, City of Levelland tract, 450 feet north and 450 feet east of southwest corner labor 13, league 28, $\frac{1}{2}$ mile south of Levelland.		
(Continued on next page)		

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

	Thickness (feet)	Depth (feet)
<u>Well 581--Continued</u>		
south of Levelland.		
Dark-colored surface		
clay - - - - -	6	6
Sandy yellow clay - - -	8	14
Reddish-white sand - - -	4	18
White sand - - - - -	8	26
Rock - - - - -		26
March 20, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 582</u>		
Center of sink, City of Levelland tract, 300 feet north and 450 feet east of southwest corner labor 13, league 28, $\frac{1}{2}$ mile south of Levelland.		
Gray surface clay - - -	7	7
Sandy yellow clay - - -	8	15
White sand - - - - -	5	20
Rock - - - - -		20
March 20, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 583</u>		
Center of sink, City of Levelland tract, 150 feet north and 450 feet east of southwest corner labor 13, league 28, $\frac{1}{2}$ mile south of Levelland.		
Dark-colored surface clay-	6	6
Sandy yellow clay - - -	9	15
Rock - - - - -		15
March 21, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 595</u>		
West slope of dry lake, J. Greenway tract, 150 feet west of southeast corner labor 25, league 736, $6\frac{1}{2}$ miles east of Level- land.		
Brown surface soil and		
sand - - - - -	2	2
Sandy yellowish-gray		
clay - - - - -	4	6
Yellowish-white sand - -	2	8
Sandy yellow clay - - -	4	12
Sandy white chalky		
clay - - - - -	3	15
Rock - - - - -		15
June 2, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 596</u>		
Center of dry lake, J. Greenway tract, in southwest corner labor 24, league 736, $6\frac{1}{2}$ miles east of Levelland.		
Brown surface soil and		
sand - - - - -	1	1
Sandy gray clay - - - -	6	7
Yellow sand, little		
clay - - - - -	2	9
Sandy yellow clay - - -	6	15
Sandy yellowish-brown		
clay - - - - -	5	20
Yellowish-white sand - -	4	24
White sand and chalk - -	4	28
Rock - - - - -		28
June 2, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 597</u>		
Center of dry lake, J. Greenway tract, 150 feet east of southwest corner labor 24, league 736, $6\frac{1}{2}$ miles east of Levelland.		
Sandy gray clay - - - -	8	8
Sandy yellow clay - - -	11	19
Sandy red and yellow		
clay - - - - -	3	22
Rock - - - - -		22
June 2, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 598</u>		
East slope of dry lake, J. Greenway tract, 300 feet east of southwest corner labor 24, league 736, $6\frac{1}{2}$ miles east of Levelland.		
Sandy gray clay - - - -	7	7
Sandy yellow clay - - -	3	10
Yellow sand, little		
clay - - - - -	6	16
Sandy yellow clay - - -	4	20
Yellow sand - - - - -	10	30
Rock - - - - -		30
June 2, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 599</u>		
East side of dry lake, J. Greenway tract, 450 feet east of southwest corner labor 24, league 736, $6\frac{1}{2}$ miles east of Level- land.		
Brown surface soil and		
sand - - - - -	1	1
Sandy gray clay - - - -	6	7

(Continued on next page)

Logs of W. P. A. test wells in Hockley County -- continued

	Thickness (feet)	Depth (feet)
<u>Well 599 - continued</u>		
Yellow sand - - -	4	11
Sandy yellow clay- -	7	18
Yellow sand - - -	5	23
Rock - - - - -		23
June 2, 1939.		

<u>Well 606</u>		
West slope of dry lake, Montgomery and Hutton tract, 300 feet west of southeast corner labor 7, league 27, 2 $\frac{1}{2}$ miles east of Levelland.		
Sandy red clay- - -	2	2
Sandy tan-colored clay and chalk- - - -	6	8
Rock - - - - -		8
April 7, 1939.		

<u>Well 607</u>		
West slope of dry lake, Montgomery and Hutton tract, 150 feet west of southeast corner labor 7, league 27, 2 $\frac{1}{2}$ miles east of Levelland.		
Sandy red clay- - -	1	1
Sandy tan-colored clay and chalk - - -	4	5
Sandy tan-colored clay-	4	9
Rock- - - - -		9
April 7, 1939.		

<u>Well 608</u>		
West side of dry lake, Montgomery and Hutton tract, in southeast corner of labor 7, league 27, 2 $\frac{1}{2}$ miles east of Levelland.		
Sandy red clay - - -	2	2
Gray sand- - - - -	1	3
Sandy tan-colored clay-	2	5
Red sand- - - - -	3	8
Yellowish-white sand clay and chalk- - -	7	15
Yellow sand, little clay- - - - -	5	20
Rock - - - - -		20
April 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 609</u>		
Center of dry lake, Montgomery and Hutton tract, 150 feet east of southwest corner labor 8, league 27, 2 $\frac{1}{2}$ miles east of Levelland.		
Sandy red clay- - -	2	2
Sandy gray clay - - -	2	4
Yellowish-gray sand -	1	5
Yellowish-white clay sand and chalk - - -	2	7
Red sand - - - - -	2	9
Sandy yellow clay- - -	8	17
Grayish-white sand - -	6	23
Rock- - - - -		23
April 7, 1939.		

<u>Well 610</u>		
Center of dry lake, Montgomery and Hutton tract, 300 feet east of southwest corner labor 8, league 27, 2 $\frac{1}{2}$ miles east of Levelland.		
Sandy red clay- - -	1	1
Gray clay- - - - -	8	9
Sandy yellow clay - - -	3	12
Yellow sand - - - - -	3	15
Sandy yellow clay - - -	6	21
Yellow sand - - - - -	3	24
Rock- - - - -		24
April 7, 1939.		

<u>Well 611</u>		
East side of dry lake, Montgomery and Hutton tract, 450 feet east of southwest corner labor 8, league 27, 2 $\frac{1}{2}$ miles east of Levelland.		
Dark-colored surface clay	3	3
Sandy gray clay- - -	5	8
Yellow sand- - - - -	3	11
Sandy yellow clay - - -	2	13
Sandy white chalk - - -	10	23
Rock- - - - -		23
April 7, 1939.		

<u>Well 612</u>		
East slope of dry lake, Montgomery and Hutton tract, 500 feet east of southwest corner labor 3, league 27, 2 $\frac{1}{2}$ miles east of Levelland.		
Sandy red clay - - -	3	3
Sandy gray clay - - -	4	7
Sandy white chalk - - -	3	10
Rock- - - - -		10
April 7, 1939.		

Logs of W. P. A. test wells in Hockley County -- continued

	Thickness (feet)	Depth (feet)
<u>Well 613</u>		
West side of dry lake, Montgomery and Hutton tract, 300 feet east of southwest corner labor 4, league 27, 2 $\frac{1}{2}$ miles east of Levelland.		
Sandy red surface soil and clay- - - -	3	3
Red sand - - - -	9	12
Sandy gray clay - -	5	17
Grayish-white hard sand, little clay -	2	19
Rock- - - - -		19
Sept. 1, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 614</u>		
Center west side of dry lake, Montgomery and Hutton tract, 450 feet east of southwest corner labor 4, league 27, 2 $\frac{1}{2}$ miles east of Levelland.		
Gray clay- - - -	6	6
Sandy gray clay - -	4	10
Yellowish-white sand -	2	12
Rock- - - - -		12
Sept. 1, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 615</u>		
Center of dry lake, Montgomery and Hutton tract, 600 feet east of southwest corner labor 4, league 27, 2 $\frac{1}{2}$ miles east of Levelland.		
Sandy gray clay - -	14	14
Sandy yellow clay- -	5	19
Yellow sand- - - -	3	22
Yellow clay- - - -	3	25
Sandy yellowish-white clay and chalk- -	5	30
Tan-colored sand- -	4	34
Tan-colored sand and chalk- - - - -	1	35
Rock- - - - -		35
Sept. 11, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 616</u>		
Center of east side of dry lake, Montgomery and Hutton tract, 750 feet east of southwest corner labor 4, league 27, 2 $\frac{1}{2}$ miles east of Levelland.		
Gray clay- - - -	3	3
Sandy gray clay - -	10	13
Yellow sand - - - -	4	17
Red sand, little clay-	7	24

	Thickness (feet)	Depth (feet)
<u>Well 616 - continued</u>		
Red sand- - - -	3	27
Rock - - - - -		27
Sept. 11, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 617</u>		
Near center of dry lake, Montgomery and Hutton tract, 150 feet north of southwest corner labor 4, league 27, 2 $\frac{1}{2}$ miles east of Levelland.		
Gray clay- - - -	3	3
Sandy gray clay - -	10	13
Yellow sand, little clay - - - -	3	16
Sandy yellow clay - -	10	26
Sandy white chalky clay - - - -	5	31
Yellow sand - - - -	2	33
White sand and chalk-	2	35
Rock- - - - -		35
Sept. 11, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 618</u>		
Near center of dry lake, Montgomery and Hutton tract, 750 feet east and 150 feet north of labor 4, league 27, 2 $\frac{1}{2}$ miles east of Levelland.		
Gray clay- - - -	5	5
Sandy gray clay - -	3	8
Sandy yellow clay and chalk - - - -	4	12
Yellow sand- - - -	3	15
Rust-colored sand - -	5	20
Red sand - - - -	5	25
Yellow sand - - - -	2	27
Sandy white chalky clay - - - -	2	29
Rock- - - - -		29

	Thickness (feet)	Depth (feet)
<u>Well 620</u>		
East slope of dry lake, Montgomery and Hutton tract, 450 feet west of southeast corner labor 10, league 28, 1 $\frac{1}{2}$ miles east of Levelland.		
Brown surface sand -	1	1
Sandy gray clay- - -	2	3
Chalky white clay- -	2	5
Yellow sand- - - -	5	10
Rock- - - - -		10
April 3, 1939.		

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

	Thickness (feet)	Depth (feet)
<u>Well 621</u>		
East slope of dry lake, Montgomery and Hutton tract, 750 feet west of southeast corner labor 10, league 28, 1½ miles east of Levelland.		
Brown surface soil - - - -	2	2
Gray clay - - - - -	2	4
White sand - - - - -	3	7
Sandy yellow clay - - - -	7	14
Rock - - - - -		14
April 3, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 622</u>		
Center of dry lake, Montgomery and Hutton tract, 900 feet west of southeast corner labor 10, league 28, 1½ miles east of Levelland.		
Dark surface clay - - - -	5	5
Sandy light gray clay - - -	2	7
Yellowish-white sand - - -	3	10
Sandy yellow clay - - - -	4	14
Rusty sand and yellow clay -	2	16
Chalky white clay, little sand - - - - -	6	22
Rock - - - - -		22
April 3, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 623</u>		
Center of dry lake, Montgomery and Hutton tract, 1050 feet west of southeast corner labor 10, league 28, 1½ miles east of Levelland.		
Dark gray surface clay - - -	3	3
Sandy yellowish-gray clay -	4	7
Yellow sand - - - - -	1	8
Sandy yellow clay, little chalk	4	12
Brownish-colored sand and yellow clay - - - - -	2	14
Yellow clay and red sand -	5	19
Red sand - - - - -	1	20
Red sand and chalk - - - -	2	22
Red sand - - - - -	9	31
Yellowish-white sand - - -	2	33
Rock - - - - -		33
April 3, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 624</u>		
West side of dry lake, Montgomery and Hutton tract, 1200 feet west of southeast corner labor 10, league 28, 1½ miles east of Levelland.		

	Thickness (feet)	Depth (feet)
<u>Well 624--continued</u>		
Sandy yellowish-gray clay -	6	6
Sandy white clay - - - -	2	8
Sandy yellow clay - - - -	2	10
Rock - - - - -		10
April 3, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 625</u>		
West slope of dry lake, Montgomery and Hutton tract, 1350 feet west of southeast corner labor 10, league 28, 1½ miles east of Levelland.		
Sandy gray clay - - - -	2	2
Tan sand and clay - - - -	3	5
Sandy white clay and chalk	5	10
Rock - - - - -		10
April 3, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 626</u>		
West slope of dry lake, Montgomery and Hutton tract, 1750 feet west of southeast corner labor 10, league 28, 1½ miles east of Levelland.		
Dark surface clay - - - -	1	1
White sand and chalk - - -	6	7
Sandy tan clay - - - - -	4	11
Rock - - - - -		11
April 3, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 627</u>		
West slope of dry lake, Montgomery and Hutton tract, 1900 feet west of southeast corner of labor 10, league 28, 1½ miles east of Levelland.		
Sandy red clay - - - - -	3	3
Sandy red clay and chalk -	4	7
Tan sand and chalk - - - -	9	16
Rock - - - - -		16
April 3, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 637</u>		
South side of dry lake, I. L. Ellwood estate tract, 300 feet east and 300 feet north of southwest corner labor 6, league 19, 6½ miles southeast of Levelland.		
Sandy gray clay - - - - -	3	3
Yellow sand and chalk - - -	2	5
Yellow sand - - - - -	2	7
Yellow clay, sand and chalk	3	10
Rock - - - - -		10
September 12, 1939.		

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

Thickness Depth
(feet) (feet)

Well 638

South side of dry lake, I. L. Ellwood estate tract, 300 feet east and 450 feet north of southwest corner labor 6, league 19, 6 $\frac{1}{2}$ miles southeast of Levelland.

Sandy gray clay - - - -	8	8
Sandy yellow clay - - - -	7	15
Sandy yellow clay and chalk	5	20
Rock - - - - -		20

September 12, 1939.

Well 639

Center of south side of dry lake, I. L. Ellwood estate tract, 300 feet east and 500 feet north of the southwest corner labor 6, league 19, 6 $\frac{1}{2}$ miles southeast of Levelland.

Sandy gray clay - - - -	5	5
Sandy grayish-yellow clay -	8	13
Sandy yellow clay - - - -	4	17
Sandy tan clay - - - - -	5	22
Yellow sand, little clay--	4	26
Chalk - - - - -	1	27
Rock - - - - -		27

September 12, 1939.

Well 640

Center of dry lake, I. L. Ellwood estate tract, 300 feet east and 750 feet north of the southwest corner labor 6, league 19, 6 $\frac{1}{2}$ miles southeast of Levelland.

Sandy gray clay - - - -	5	5
Sandy grayish-yellow clay -	7	12
Sandy yellow clay - - - -	7	19
Red clay and sand - - - -	8	27
Yellow sand - - - - -	6	33
White chalky sand - - - -	7	40
Rock - - - - -		40

September 12, 1939.

Well 641

Center of north side of dry lake, I. L. Ellwood estate tract, 300 feet east and 500 feet north of the southwest corner labor 6, league 19, 6 $\frac{1}{2}$ miles southeast of Levelland.

Gray clay - - - - -	4	4
Yellow clay and sand - - -	2	6
Yellow sand - - - - -	8	14
Red clay and sand - - - -	10	24
Red and yellow sand - - -	3	27
Rock - - - - -		27

September 12, 1939.

Thickness Depth
(feet) (feet)

Well 644

West slope of dry lake, F. Saniefers tract, 2150 feet west of northeast corner labor 11, league 19, 9 miles southeast of Levelland.

Sandy gray surface soil -	4	4
Sandy grayish-yellow clay -	3	7
Yellow sand - - - - -	11	18
Red and yellow sand - - -	3	21
Tan sand - - - - -	6	27
Sandy red clay - - - - -	3	30
Sandy yellow clay - - - -	3	33
Rock - - - - -		33

July 24, 1939.

Well 645

Center of west side of dry lake, F. Saniefers tract, 2000 feet west of northeast corner labor 11, league 19, 9 miles southeast of Levelland.

Gray surface clay - - - -	5	5
Sandy yellow clay - - - -	3	8
Yellow sand - - - - -	11	19
Red and yellow sand - - -	1	20
Sandy white chalky clay--	4	24
Sandy red clay-- - - - -	5	29
Rock - - - - -		29

July 24, 1939.

Well 646

Center of dry lake, F. Saniefers tract, 1850 feet west of the northeast corner labor 11, league 19, 9 miles southeast of Levelland.

Gray surface clay - - - -	11	11
Yellow sand - - - - -	5	16
Red sand - - - - -	6	22
Yellow sand and clay - - -	4	26
Red sand, little clay - - -	8	34
Sandy yellow clay - - - -	2	36
Yellowish-white sand - - -	3	39
Red sand - - - - -	10	49
Dirty white chalk and sand	2	51
Rock - - - - -		51

July 25, 1939.

Well 647

Center of dry lake, F. Saniefers tract, 1700 feet west of northeast corner labor 11, league 19, 9 miles southeast of Levelland.

(Continued on next page)

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

	Thickness (feet)	Depth (feet)
<u>Well 647--Continued</u>		
Gray surface clay - - -	11	11
Yellow sand - - - - -	12	23
Red and yellow sand - - -	3	26
Sandy yellow clay - - -	3	29
Yellowish-white sand - - -	6	35
Fink Sand - - - - -	3	38
Rock - - - - -		38
July 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 648</u>		
Center of east side of dry lake, F. Saniefers tract, 1550 feet west of north-east corner labor 11, league 19, 9 miles southeast of Levelland.		
Gray surface clay - - -	8	8
Yellow sand - - - - -	6	14
Red sand - - - - -	6	20
Sandy yellow clay - - -	8	28
Rock - - - - -		28
July 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 649</u>		
East slope of dry lake, F. Saniefers tract, 1400 feet west of northeast corner labor 11, league 19, 9 miles southeast of Levelland.		
Sandy gray clay - - - -	4	4
Yellow sand - - - - -	4	8
Sandy yellow clay - - -	2	10
Sandy tan clay - - - -	3	13
Sandy yellow clay, little chalk - - - - -	7	20
Sandy dirty white chalky clay	1	21
Rock - - - - -		21
July 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 654</u>		
East side of dry lake, I. L. Ellwood estate tract, 900 feet west of southeast corner labor 4, league 20, 8 $\frac{1}{2}$ miles southeast of Levelland.		
Gray clay - - - - -	4	4
Sandy yellow clay - - -	6	10
Yellow clay - - - - -	2	12
White sand - - - - -	2	14
Sandy yellow clay - - -	7	21
Rock - - - - -		21
September 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 655</u>		
Center of dry lake, I. L. Ellwood estate tract, 1050 feet west of southeast corner labor 4, league 20, 8 $\frac{1}{2}$ miles southeast of Levelland.		
Gray clay - - - - -	12	12
White sand - - - - -	2	14
Sandy yellowish-gray clay and chalk - - - - -	6	20
Rock - - - - -		20
September 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 656</u>		
Center of west side of dry lake, I. L. Ellwood estate tract, 1200 feet west of southeast corner labor 4, league 20, 8 $\frac{1}{2}$ miles southeast of Levelland.		
Gray clay - - - - -	6	6
Yellowish-white sand - - -	2	8
Sandy red clay - - - - -	3	11
Sandy yellow clay and chalk	4	15
Rock - - - - -		15
September 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 657</u>		
West side of dry lake, I. L. Ellwood estate tract, 1350 feet west of southeast corner labor 4, league 20, 8 $\frac{1}{2}$ miles southeast of Levelland.		
Sandy gray clay - - - -	3	3
Sandy reddish clay - - -	6	9
Sandy yellow clay and chalk	10	19
Rock - - - - -		19
September 7, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 658</u>		
East side of dry lake, I. L. Ellwood estate tract, 450 feet south of north-east corner labor 18, league 20, 9 $\frac{1}{2}$ miles southeast of Levelland.		
Sandy gray clay - - - -	1	1
White sand - - - - -	3	4
Sandy yellow clay and chalk	5	9
Yellow clay - - - - -	5	14
Rock - - - - -		14
September 8, 1939.		

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

	Thickness (feet)	Depth (feet)
<u>Well 659</u>		
East side of dry lake, I. L. Ellwood Estate tract, 450 feet south and 150 feet west of northeast corner labor 18, league 20, 9 $\frac{1}{2}$ miles southeast of Levelland.		
Sandy gray clay - - - -	9	9
Yellowish-white sand - - -	4	13
Sandy grayish-yellow clay and chalk - - - - -	7	20
Rock - - - - -		20
September 8, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 660</u>		
Center of dry lake, I. L. Ellwood Estate tract, 1,450 feet south and 300 feet west of northeast corner labor 18, league 20, 9 $\frac{1}{2}$ miles southeast of Levelland.		
Sandy gray clay - - - -	10	10
Sandy yellow clay - - - -	4	14
Yellow sand - - - - -	5	19
Yellow clay - - - - -	1	20
Sandy grayish-yellow clay and chalk - - - - -	6	26
Rock - - - - -		26
September 8, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 661</u>		
Center west side of dry lake, I. L. Ellwood Estate tract 450 feet south and 150 feet west of northeast corner labor 18 league 20, 9 $\frac{1}{2}$ miles southeast of Levelland.		
Sandy gray clay - - - -	5	5
Sandy yellow clay - - - -	17	22
Rock - - - - -		22
September 8, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 663</u>		
South side of dry lake, I. L. Ellwood Estate tract, 1,000 feet west of southeast corner of labor 21, league 20, 11 miles southeast of Levelland.		
Gray surface clay - - - -	1	1
Grayish-yellow sand - - -	3	4
Yellow sand and clay - - -	3	7
Sandy yellow clay and chalk	5	12
Rock - - - - -		12
September 5, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 664</u>		
Center south side of dry lake, I. L. Ellwood Estate, tract. 1,000 feet west and 150 feet north of southeast corner of labor 21, league 20, 11 miles southeast of Levelland.		
Gray clay - - - - -	7	7
Yellow sand - - - - -	3	10
Sandy yellow clay and chalk - - - - -	3	13
Yellow sand - - - - -	1	14
Sandy yellow clay - - - -	5	19
Rock - - - - -		19
September 5, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 665</u>		
Near center of dry lake, I. L. Ellwood Estate tract, 1,000 feet west and 300 feet north of southeast corner labor 21, league 20, 11 miles southeast of Levelland.		
Gray clay - - - - -	9	9
Sandy grayish-yellow clay-	10	19
Sandy rusty yellow clay -	2	21
Sandy yellow clay and chalk	3	24
Rock - - - - -		24
September 5, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 666</u>		
Center of dry lake, I. L. Ellwood Estate tract, 1,050 feet west and 450 feet north of southeast corner labor 21, league 20, 11 miles southeast of Levelland.		
Gray clay - - - - -	7	7
Sandy yellow clay - - - -	5	12
Yellow sand, little clay -	11	23
Grayish-white sand, clay and chalk - - - - -	3	26
Rock - - - - -		26
September 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 667</u>		
Center of north side of dry lake, I. L. Ellwood Estate tract, 1,050 feet west and 600 feet north of southeast corner labor 21, league 20, 11 miles southeast of Levelland.		
Gray clay - - - - -	8	8
Yellow clay and little sand	14	22
Rock - - - - -		22
September 6, 1939.		

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

	Thickness (feet)	Depth (feet)
<u>Well 668</u>		
North side of dry lake, I. L. Ellwood Estate tract, 1,050 feet west and 750 feet north of southeast corner labor 21, league 20, 11 miles southeast of Levelland.		
Gray clay - - - - -	6	6
Sandy yellow clay - - - - -	4	10
Yellow sand, little clay - - - - -	6	16
Sandy yellow clay, little chalk - - - - -	6	22
Rock - - - - -		22
September 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 669</u>		
North side of dry lake, I. L. Ellwood Est. tract, 1,050 feet west and 900 feet north from the southeast corner labor 21, league 20, 11 miles southeast of Levelland.		
Gray clay - - - - -	6	6
Grayish-yellow sand - - - - -	1	7
Yellow sand - - - - -	2	9
Sandy yellow clay - - - - -	12	21
Rock - - - - -		21
September 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 684</u>		
West slope of dry lake, W. L. Ellwood tract, 2,500 feet east of northwest corner sec. 8, blk. A, 10-3/4 miles east of Levelland.		
Sandy tan clay - - - - -	1	1
Gray sand, little clay - - - - -	5	6
Rock - - - - -		6
June 5, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 685</u>		
East slope of dry lake, W. L. Ellwood tract, 2,650 feet east of northwest corner sec. 8, blk. A, 10-3/4 miles east of Levelland.		
Tan surface sand - - - - -	2	2
Sandy yellowish-gray clay - - - - -	2	4
Yellow sand - - - - -	2	6
Sandy white chalky clay - - - - -	2	8
Rock - - - - -		8
June 5, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 686</u>		
Flat, center of dry lake, W. L. Ellwood tract, 2,800 feet east of northwest corner of sec. 8, blk. A, 10-3/4 miles east of Levelland.		
Sandy gray clay - - - - -	5	5
Yellow sand - - - - -	2	7
Yellowish-white sand and chalk - - - - -	4	11
Rock - - - - -		11
June 5, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 687</u>		
Center, east side of dry lake, W. L. Ellwood tract, 2,950 feet east of northwest corner, sec. 8, blk. A, Public School Land, 10-3/4 miles east of Levelland.		
Sandy gray clay - - - - -	11	11
Yellow sand - - - - -	3	14
Sandy white chalky clay - - - - -	1	15
Rock - - - - -		15
June 5, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 688</u>		
Center of dry lake, W. L. Ellwood tract, 3,100 feet east of northwest corner, sec. 8, blk. A, Public School Land, 10-3/4 miles east of Levelland.		
Sandy gray clay - - - - -	12	12
Sandy yellow clay - - - - -	6	18
Sandy tan clay - - - - -	3	21
Yellow sand and chalk - - - - -	1	22
Rock - - - - -		22
June 5, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 689</u>		
Center of dry lake, W. L. Ellwood tract, 3,250 feet east of northwest corner, sec. 8 blk. A, Public School Land, 10-3/4 miles east of Levelland.		
Gray clay - - - - -	10	10
Sandy yellow clay - - - - -	11	21
Red sand and yellow clay - - - - -	4	25
Sandy yellow clay - - - - -	6	31
Red sand - - - - -	10	41
Hard sandstone - - - - -		41
June 5, 1939.		

Logs of W. F. A. test wells in Hockley County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 690</u>		
Center of west side of dry lake, W. L. Ellwood tract, 3,400 feet east of northwest corner section 8, blk. A, Public School Land, 10-3/4 miles east of Levelland.		
Gray clay - - - - -	12	12
Sandy yellow clay - - - - -	14	26
Red sand and yellow clay - - - - -	3	29
Sandy yellow clay - - - - -	4	33
Red sand - - - - -	7	40
Rock - - - - -		40
June 5, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 691</u>		
East slope of dry lake, W. L. Ellwood tract, 3,550 feet east of northwest corner section 8, blk. A, Public School Land, 10-3/4 miles east of Levelland.		
Sandy gray clay - - - - -	7	7
Rock - - - - -		7
June 6, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 692</u>		
South slope of dry lake, N. W. Willard tract, 150 feet north of southwest corner section 6, blk. A, in sub-section 15, 13 1/2 miles east of Levelland.		
Surface soil - - - - -	2	2
Sandy gray clay - - - - -	2	4
Sandy red clay - - - - -	4	8
Sandy white chalky clay - - - - -	2	10
Rock - - - - -		10
May 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 693</u>		
South slope of dry lake, N. W. Willard tract, 300 feet north of southwest corner section 6, blk. A, in sub-section 15, 13 1/2 miles east of Levelland.		
Surface soil - - - - -	1	1
Sandy gray clay - - - - -	2	3
Dirty white sand - - - - -	3	6
Yellow sand, little clay - - - - -	2	8
White chalk and sand - - - - -	11	19
Rock - - - - -		19
May 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 694</u>		
Near center of dry lake, N. W. Willard tract, 450 feet north of southwest corner section 6, blk. A, in sub-section 15, 13 1/2 miles east of Levelland.		
Gray clay - - - - -	7	7
Yellow sand and clay - - - - -	10	17
Sandy white chalky clay - - - - -	4	21
Rock - - - - -		21
May 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 695</u>		
Center of dry lake, N. W. Willard tract, 600 feet north of southwest corner section 6, blk. A in sub-section 15, 13 1/2 miles east of Levelland.		
Gray clay - - - - -	7	7
Sandy yellowish-gray clay - - - - -	3	10
Sandy yellow clay - - - - -	5	15
Tan sand - - - - -	2	17
Yellow sand - - - - -	3	20
White chalky sand - - - - -	4	24
Rock - - - - -		24
May 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 696</u>		
Center of north side of dry lake, N. W. Willard tract, 750 feet north of southwest corner section 6, blk. A, in sub-section 15, 13 1/2 miles east of Levelland.		
Gray clay - - - - -	7	7
Sandy yellow clay - - - - -	6	13
Reddish-yellow sand - - - - -	3	16
Yellow sand and clay - - - - -	8	24
White chalky clay and sand - - - - -	3	27
Rock - - - - -		27
May 25, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 697</u>		
North slope of dry lake, N. W. Willard tract, 900 feet north of southwest corner section 6, blk. A, in sub-section 15, 13 1/2 miles east of Levelland.		
Gray clay - - - - -	4	4
Yellow sand - - - - -	3	7
Red sand - - - - -	9	16
Yellow sand and clay - - - - -	3	19
Rock - - - - -		23
May 25, 1939.		

Logs of W. F. A. test wells in Hockley County--Continued

	Thickness (feet)	Depth (feet)
<u>Well 698</u>		
East slope of dry lake, C. Woolum tract, 450 feet west of northeast corner labor 5, league 2, Jones County School Land, 14 $\frac{1}{4}$ miles east of Levelland.		
Gray clay - - - - -	5	5
Sandy yellow clay - - - - -	2	7
Yellow sand, little clay - - - - -	5	12
Sandy yellow rusty clay - - - - -	3	15
Sandy red clay - - - - -	2	17
Sandy yellow clay - - - - -	6	23
Rock - - - - -		23
May 26, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 699</u>		
Center of east side of dry lake, C. Woolum tract, 600 feet west of northeast corner labor 5, league 2, Jones County School Land, 14 $\frac{1}{4}$ miles east of Levelland.		
Gray clay - - - - -	5	5
Sandy yellow clay - - - - -	3	8
Yellow sand - - - - -	2	10
Sandy yellow clay - - - - -	4	14
Rock - - - - -		14
May 26, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 700</u>		
Center of dry lake, C. Woolum tract, 750 feet west of northeast corner labor 5, league 2, Jones County School Land, 14 $\frac{1}{4}$ miles east of Levelland.		
Gray clay - - - - -	16	16
Sandy yellow clay - - - - -	9	25
Yellow sand, chalk and clay - - - - -	4	29
Rock - - - - -		29
May 26, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 701</u>		
Center west side of dry lake, C. Woolum tract, 900 feet west of northeast corner labor 5, league 2, Jones County School Land, 14 $\frac{1}{4}$ miles east of Levelland.		
Gray clay - - - - -	10	10
Sandy rusty yellow clay - - - - -	3	13
Sandy yellow clay - - - - -	6	19
Rock - - - - -		19
May 26, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 702</u>		
West slope of dry lake, C. Woolum tract, 1,050 feet west of northeast corner labor 5, league 2, Jones County School Land, 14 $\frac{1}{4}$ miles east of Levelland.		
Top surface soil - - - - -	2	2
Gray clay - - - - -	4	6
Rock - - - - -		6
May 26, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 704</u>		
West slope of dry lake, I. L. Ellwood tract, 600 feet east of northwest corner section 7, blk. A, 15 miles east of Levelland.		
Surface soil - - - - -	1	1
Sandy gray clay - - - - -	5	6
Rock - - - - -		6
May 27, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 705</u>		
Center west side of dry lake, I. L. Ellwood tract, 750 feet east of northwest corner section 7, blk. A, 15 miles east of Levelland.		
Gray clay - - - - -	6	6
Yellow sand and clay - - - - -	4	10
Reddish yellow sand - - - - -	2	12
Yellow sand - - - - -	6	18
Rock - - - - -		18
May 27, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 706</u>		
Center of dry lake, I. L. Ellwood tract, 900 feet east of northwest corner section 7, blk. A, 15 miles east of Levelland.		
Gray clay - - - - -	12	12
Sandy yellow clay - - - - -	12	24
Rock - - - - -		24
May 27, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 707</u>		
Center of east side of dry lake, I. L. Ellwood tract, 1,050 feet east of northwest corner section 7, blk. A, 15 miles east of Levelland.		
Gray clay - - - - -	12	12
Yellow clay and sand - - - - -	7	19
Rock - - - - -		19
May 27, 1939.		

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

	Thickness (feet)	Depth (feet)
<u>Well 708</u>		
East slope of dry lake, I. L. Ellwood tract, 1,200 feet east of northwest corner section 7, blk. A, 15 miles east of Levelland.		
Gray clay - - - - -	5	5
Sandy yellow clay - - - -	11	16
Red and yellow clay - - - -	5	21
Yellow clay and sand - - - -	2	23
Rock - - - - -		23
May 27, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 711</u>		
North slope of dry lake, L. W. Hodge tract, 450 feet south of northwest corner section 8, blk. A, 15-3/4 miles east of Levelland.		
Sandy yellowish-gray clay - - - -	3	3
Yellow sand - - - - -	1	4
Rock - - - - -		4
May 29, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 712</u>		
Near center of dry lake, L. W. Hodge tract, 600 feet south of northwest corner section 8, blk. A, 15-3/4 miles east of Levelland.		
Gray surface soil - - - - -	3	3
Yellow clay and sand - - - -	3	6
Yellow sand, little clay - - - -	2	8
Sandy yellow clay - - - - -	6	14
Sandy red and yellow clay - - - -	6	20
Rock - - - - -		20
May 29, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 713</u>		
Center of dry lake, L. W. Hodge tract, 750 feet south of northwest corner section 8, blk. A, 15-3/4 miles east of Levelland.		
Gray surface clay - - - - -	4	4
Sandy yellowish-gray clay - - - -	5	9
Sandy yellow clay - - - - -	5	14
Sandy yellow and red clay - - - -	4	18
Rock - - - - -		18
May 29, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 714</u>		
Center of dry lake, L. W. Hodge tract, 900 feet south of northwest corner section 8, blk. A, 15-3/4 miles east of Levelland.		
Gray surface clay - - - - -	2	2
Sandy yellowish-gray clay - - - -	4	6
Sandy yellow clay - - - - -	8	14
Yellowish-white sand - - - - -	7	21
Rock - - - - -		21
May 29, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 715</u>		
Center southside of dry lake, L. W. Hodge tract, 1,050 feet south of northwest corner section 8, blk. A, 15-3/4 miles from Levelland.		
Gray surface soil - - - - -	1	1
Sandy yellow clay - - - - -	7	8
Rock - - - - -		8
May 29, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 716</u>		
South slope of dry lake, L. W. Hodge tract, 1,200 feet south of northwest corner section 8, blk. A, 15-3/4 miles east of Levelland.		
Surface soil - - - - -	2	2
Dirty white sand, clay and chalk - - - - -	6	8
Rock - - - - -		8
May 29, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 718</u>		
Center south side of dry lake, N. W. Willard tract, 800 feet north of southeast corner labor 18, league 2, Jones County School Land, 15 1/2 miles east of Levelland.		
Sandy gray clay - - - - -	5	5
Yellow sand and clay - - - - -	3	8
Yellow sand - - - - -	7	15
Rock - - - - -		15
August 30, 1939.		

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

	Thickness (feet)	Depth (feet)
<u>Well 719</u>		
Center of dry lake, N. W. Willard tract, 350 feet north of labor 18, league 2, Jones County School Land, 15 ¹ / ₂ miles east of Levelland.		
Gray clay - - - - -	4	4
Sandy yellow clay - - - - -	3	7
Yellow sand - - - - -	5	12
Sandy yellow clay - - - - -	7	19
Yellow sand, little clay - - - - -	6	25
White sand - - - - -	8	33
Rock - - - - -		33
August 30, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 720</u>		
Center of north side of dry lake, N. W. Willard tract, 1,100 feet north of south-east corner labor 18, league 2, Jones County School Land, 15 ¹ / ₂ miles east of Levelland.		
Gray clay - - - - -	6	6
Sandy yellow clay - - - - -	13	19
Sandy tan clay - - - - -	6	25
Red sand - - - - -	3	28
White sand - - - - -	2	30
Rock - - - - -		30
August 30, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 721</u>		
North side of dry lake, N. W. Willard tract, 1,250 feet north of southeast corner labor 18, league 2, Jones County School Land, 15 ¹ / ₂ miles east of Levelland.		
Gray clay - - - - -	4	4
Sandy white chalky clay - - - - -	8	12
Rock - - - - -		12
August 30, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 725</u>		
East side of dry lake, H. M. Woods tract, 150 feet west of northeast corner labor 1, league 3, Jones County School Land, 15-3/4 miles east of Levelland.		
Sandy gray clay - - - - -	4	4
Grayish-white sand, clay and chalk - - - - -	4	8
Rock - - - - -		8
August 31, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 726</u>		
Center of east side of dry lake, 300 feet west of northeast corner labor 18, league 3, Jones County School Land, 15-3/4 miles east of Levelland.		
Sandy gray clay - - - - -	4	4
Yellowish-white sand, clay and chalk - - - - -	2	6
White sand - - - - -	3	9
Yellow clay - - - - -	2	11
Yellow clay and chalk - - - - -	3	14
Rock - - - - -		14
August 31, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 727</u>		
Center of dry lake, 450 feet west of northeast corner labor 18, league 3, Jones County School Land, 15-3/4 miles east of Levelland.		
Gray clay - - - - -	4	4
Sandy yellowish-gray clay - - - - -	6	10
Sandy yellow clay - - - - -	3	13
Yellow sand, little clay - - - - -	2	15
Sandy yellow clay - - - - -	4	19
Rock - - - - -		19
August 31, 1939.		

	Thickness (feet)	Depth (feet)
<u>Well 728</u>		
Center west side of dry lake, H. M. Woods tract, 600 feet west of northeast corner labor 18, league 3, Jones County School Land, 15-3/4 miles east of Levelland.		
Sandy gray clay - - - - -	10	10
Sandy yellow clay - - - - -	6	16
Rock - - - - -		16
August 31, 1939.		

Partial analyses of water from wells in Hockley County, Texas

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

Well c/	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Cal- cium (Ca)	Magne- sium (Mg)	Sodium and Potassium (Na / K (calc.)	Bicar- bonate (HCO ₃)	Sul- phate (SO ₄)	Chlo- ride (Cl)	Ni- trate (NO ₃)	Fluor- ide (F)	Total hardness as CaCO ₃ (calc.)
201	E. Royek	119	Aug. 3, 1939	404	49	28	76	360	a/	67	b/	3.8	237
203	M. T. Scott	97	Apr. 11, 1939	529	87	44	43	281	130	85	b/	1.7	397
205	H. J. Greener	109	Aug. 3, 1939	496	38	31	108	305	97	68	b/	4.1	224
207	Yellowhouse Land Co.	97	Aug. 8, 1939	10,010	425	459	2,236	256	1,282	1,475	-	6.7	2,948
212	R. L. Johnson	95	July 12, 1939	438	52	37	53	195	121	79	b/	-	283
214	T. J. Richardson	116	Aug. 7, 1939	1,241	76	87	240	378	444	203	b/	5.0	549
216	Yellowhouse Land Co.	109	do.	960	64	67	178	281	351	162	b/	-	436
218	W. G. LeCroy	112	Apr. 11, 1939	315	47	27	35	256	56	24	b/	-	227
219	Yellowhouse Land Co.	13	Apr. 26, 1939	1,949	40	16	651	329	587	490	b/	2.6	165
221	do.	160	June 28, 1939	946	156	54	112	244	161	340	b/	3.0	613
222	A. B. Allen	173	do.	2,387	38	19	830	366	508	810	b/	1.8	172
223	H. A. Pierce	270	do.	1,916	24	13	686	421	369	615	b/	2.3	113
224	W. O. Tipton	69	Apr. 25, 1939	1,218	96	82	226	403	373	236	b/	6.9	576
227	C. D. Waters	80	do.	368	32	25	84	354	28	20	b/	5.4	180
229	C. O. Helms	71	Apr. 21, 1939	310	47	27	35	275	44	22	b/	-	227
232	W. P. A. Test	37	Apr. 19, 1939	424	51	78	8	537	22	1	b/	-	448
233	do.	32	Apr. 20, 1939	321	38	58	8	403	12	7	b/	-	336
234	do.	32	do.	353	32	58	32	403	a/	5	b/	15.0	321
235	do.	32	do.	362	-	-	-	403	11	3	b/	-	-
236	do.	30	do.	345	-	-	-	397	a/	3	b/	-	-
237	do.	31	Apr. 21, 1939	636	68	63	99	634	28	7	33	22.0	429
239	E. Pfeifer	94	Apr. 19, 1939	390	68	18	54	293	77	28	b/	1.4	246
244	R. J. Hamill	118	Apr. 11, 1939	574	-	-	-	317	149	66	b/	-	-
247	A. N. Riley	154	Apr. 12, 1939	486	46	44	75	329	113	40	b/	5.9	297
249	I. P. DeLoache	115	May 5, 1939	775	69	83	81	317	304	82	b/	-	516
250	Ira P. DeLoache	135	Aug. 2, 1939	656	62	58	99	390	165	75	b/	4.8	396
251	A. D. Slaughter	173	May 16, 1939	721	84	61	81	268	251	112	b/	-	463
252	Ira P. DeLoache	156	do.	976	-	-	-	262	405	120	b/	-	-

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligrams equivalents per liter on page 72.

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

Results are in parts per million.

Well c/	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Cal- cium (Ca)	Magne- sium (Mg)	Sodium and Potassium (Na / K (calc.)	Bicar- bonate (HCO ₃)	Sul- phate (SO ₄)	Chlo- ride (Cl)	Ni- trate (NO ₃)	Fluor- ide (F)	Total hardness as CaCO ₃ (calc.)
255	Hamill Bros.	142	Apr. 27, 1939	734	-	-	-	299	239	96	b/	-	-
262	Z. B. Pirtle	120	Apr. 11, 1939	940	112	106	60	238	331	210	b/	3.9	715
263	S. H. Davidson	149	Apr. 18, 1939	632	-	-	-	305	166	94	b/	-	-
265	J. S. S. Hart	117	do.	549	-	-	-	293	133	77	b/	-	-
275	B. D. Barker	135	Sept.13, 1939	950	89	102	106	354	261	215	b/	3.4	643
276	B. K. Hamrick	138	Apr. 11, 1939	544	59	61	51	305	149	74	b/	-	398
277	T. Summers	145	Apr. 18, 1939	573	60	63	60	323	155	72	b/	4.4	409
278	L. E. Mitchell	142	Apr. 20, 1939	571	60	63	57	299	165	74	b/	4.6	409
282	J. S. Fox	108	Sept.13, 1939	692	71	68	81	299	201	120	b/	4.2	457
283	C. Millsap	67	Apr. 18, 1939	464	46	50	52	238	130	64	b/	5.0	321
284	C. E. Pendergrass	81	June 23, 1939	1,309	112	112	183	281	464	300	b/	-	739
286	Yellowhouse Land Co.	78	Sept.13, 1939	360	74	46	3	390	18	10	b/	8.0	374
287	W. H. Abernathy	108	May 26, 1939	583	59	59	72	329	133	98	b/	-	391
288	Nettie Holley	101	do.	612	73	67	55	293	137	136	b/	-	456
289	Henry Fietz	122	Sept.13, 1939	593	97	44	51	256	192	78	b/	4.8	422
290	J. W. Christian	97	June 12, 1939	558	-	-	-	336	129	64	b/	-	-
291	L. P. Edrington	103	May 15, 1939	526	55	49	70	317	134	58	b/	4.3	340
292	Mrs. N. R. Keeney	99	May 25, 1939	388	-	-	-	342	56	18	b/	-	-
293	P. H. Howry	75	May 26, 1939	542	58	53	66	311	141	66	b/	4.6	363
294	J. T. Hewett	100	Aug. 24, 1939	615	71	52	77	281	165	112	b/	-	392
296	J. Thompson	87	June 23, 1939	676	87	57	79	317	153	144	b/	-	450
297	T. E. Wynn	92	June 29, 1939	413	52	52	31	305	60	68	b/	-	342
298	R. W. Ivey	110	Aug. 25, 1939	405	73	52	3	323	73	45	b/	-	397
299	B. Yantis	68	June 28, 1939	424	40	45	60	329	81	30	b/	5.7	282
300	Fred Newsome	78	June 13, 1939	759	49	42	168	329	254	78	b/	6.4	296
301	B. M. Whittaker	93	June 28, 1939	792	61	65	133	329	206	140	21	4.2	420
302	M. Rice	86	do.	729	-	-	-	342	173	130	b/	-	-
303	R. M. Loper	102	Aug. 29, 1939	479	-	-	-	329	97	46	b/	-	-
304	Yellowhouse Land Co.	86	do.	541	-	-	-	360	113	55	b/	-	-
400	J. D. Jenkins	123	Aug. 18, 1939	461	54	43	61	336	69	69	b/	-	311
401	J. Lyda	79	Aug. 29, 1939	465	48	50	60	354	68	62	b/	3.2	326
404	M. L. Ellis	120	Aug. 24, 1939	450	52	46	57	336	60	66	b/	4.2	319
405	M. Burnham	110	Aug. 29, 1939	798	77	61	118	293	291	102	b/	4.7	443

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligrams equivalents per liter on page 72.

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

Results are in parts per million.

Well c/	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Cal- cium (Ca)	Magne- sium (Mg)	Sodium and Potassium (Na / K (calc.)	Bicar- bonate (HCO ₃)	Sul- phate (SO ₄)	Chlo- ride (Cl)	Ni- trate (NO ₃)	Fluor- ide (F)	Total hardness as CaCO ₃ (calc.)
411	C. E. Pendergrass	90	Aug. 18, 1939	446	54	47	49	336	65	66	b/	-	329
412	E. D. Ellis	67	June 8, 1939	633	74	63	63	305	185	98	b/	-	444
413	I. L. Elwood Est.	103	do.	820	94	79	86	299	230	184	b/	-	558
414	A. Winger	125	May 24, 1939	440	56	52	33	317	101	42	b/	-	352
415	D. D. Campbell	97	May 25, 1939	393	38	45	57	390	32	24	b/	5.0	277
416	W. S. Mitchell	101	May 24, 1939	540	50	52	81	354	109	70	b/	4.3	337
417	J. B. Riggs	120	June 7, 1939	424	48	52	38	336	81	40	b/	-	332
419	C. W. Henderson	114	do.	488	-	-	-	329	101	48	b/	-	-
429	Glen Ott	180	May 25, 1939	564	-	-	-	329	137	64	b/	-	-
430	J. W. James	107	May 24, 1939	613	60	54	86	317	173	84	b/	-	373
432	I. L. Elwood Est.	112	do.	556	62	54	69	354	121	72	b/	3.7	378
501	W. C. Cheak	160	Apr. 27, 1939	550	67	56	53	311	158	59	b/	4.4	399
505	Montgomery & Hutton	153	July 25, 1939	673	62	58	95	299	222	89	b/	-	396
511	Samson Tire & Rubber Company	185	Mar. 27, 1939	565	42	27	142	409	85	64	b/	4.3	217
512	J. A. Hill	131	Mar. 31, 1939	728	82	67	80	305	237	112	b/	-	481
513	W. T. Cobel	159	Mar. 30, 1939	770	104	80	48	293	276	118	b/	-	590
516	Rains County	142	do.	656	89	70	41	287	221	94	b/	-	508
521	W. T. Johnson	160	Mar. 27, 1939	518	55	45	68	275	155	60	b/	-	323
523	L. E. Plunkett	160	Mar. 22, 1939	487	37	39	98	390	81	32	b/	3.7	237
524	Texas Land & Mtg. Company	120	do.	596	58	55	87	354	122	100	b/	-	369
525	J. Schroer	136	do.	587	56	55	79	299	166	84	b/	-	364
526	C. Smith	-	do.	583	69	63	49	317	184	62	b/	-	434
528	J. T. Wood	123	Mar. 17, 1939	796	73	133	22	397	203	170	b/	-	727
529	C. B. Edgar	130	Mar. 27, 1939	579	71	63	46	281	173	84	b/	4.0	439
534	F. E. Ivey	131	Mar. 31, 1939	534	65	62	41	293	140	78	b/	4.0	418
539	H. C. Bowlin	125	Mar. 23, 1939	761	67	92	70	305	258	120	b/	4.0	547
544	Commerce Trust Co.	109	do.	598	48	79	56	342	159	82	b/	-	444
545	Mallett L. & C. Co.	140	July 31, 1939	726	70	87	62	268	230	142	b/	3.0	534
546	Mary Davis	162	Mar. 27, 1939	1,194	122	167	48	256	387	344	b/	-	993
547	E. M. Cain	155	Apr. 1, 1939	505	62	51	54	348	111	52	b/	3.9	367
549	Mallett L. & C. Co.	152 1/2	July 10, 1939	610	72	69	47	287	181	100	b/	-	462

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligrams equivalents per liter on page 72.

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

Results are in parts per million.

Well c/	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Cal- cium (Ca)	Magne- sium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicar- bonate (HCO ₃)	Sul- phate (SO ₄)	Chlo- ride (Cl)	Ni- trate (NO ₃)	Fluor- ide (F)	Total hardness as CaCO ₃ (calc.)
550	A. A. Slaughter	140	July 28, 1939	511	62	50	58	354	101	66	b/	-	361
553	G. Thorp	122	July 31, 1939	734	70	87	71	293	181	178	b/	3.0	534
571	S. B. Bardwell	130	July 24, 1939	506	63	63	32	323	118	71	b/	-	419
572	Baylor County	123	July 31, 1939	507	54	57	57	354	97	62	b/	5.5	370
573	J. S. Branch	137	Sept. 12, 1939	384	47	53	25	342	60	25	b/	5.6	338
574	J. P. Hill	153	do.	573	74	72	29	329	177	54	b/	4.6	479
575	Mallett L. & C. Co.	125	Mar. 24, 1939	552	58	74	34	329	166	58	b/	-	451
576	M. L. Goolsby	172	May 9, 1939	596	76	70	36	311	194	62	b/	4.6	478
577	J. L. Smallwood	109	Sept. 12, 1939	533	66	79	25	458	96	36	b/	3.3	489
586	F. Tegart	116	Mar. 24, 1939	650	56	89	46	317	221	82	b/	-	505
591	Mrs. R. E. Glover	200	Sept. 11, 1939	602	64	67	58	329	181	65	b/	5.2	436
593	T. E. Barton	81	July 22, 1939	742	74	80	75	348	246	96	b/	-	514
594	V. J. Williams	85	Sept. 11, 1939	487	58	55	45	317	120	48	b/	5.1	369
603	E. A. Hankins	173	July 25, 1939	552	64	57	59	366	145	43	b/	4.2	395
604	H. Goodpasture	122	June 1, 1939	519	-	-	-	335	113	54	b/	-	-
605	Montgomery & Hutton	110	do.	611	80	76	30	329	173	90	b/	-	512
628	C. M. Wyatt	118	Sept. 7, 1939	568	71	68	33	281	193	61	b/	4.4	457
629	T. F. Fox	115	Sept. 12, 1939	638	73	45	93	281	197	88	b/	4.0	368
631	D. A. France	185	June 16, 1939	506	54	54	57	336	129	42	b/	4.5	358
632	I. L. Ellwood Est.	101	Sept. 6, 1939	558	58	66	53	311	140	84	b/	4.3	416
633	E. M. Dennis	165	do.	573	69	60	57	342	144	70	b/	4.6	417
634	W. F. Favor	167	May 17, 1939	628	68	66	64	354	194	62	b/	-	441
635	I. L. Ellwood Est.	117	Sept. 5, 1939	617	66	49	91	329	173	71	b/	5.0	365
636	A. N. Turner	135	Sept. 7, 1939	630	66	90	27	317	221	66	b/	4.4	536
642	E. Garrison	125	Sept. 12, 1939	739	85	85	54	329	253	96	b/	4.4	563
643	D. N. Birdsong	108	Sept. 5, 1939	628	61	51	101	354	152	84	b/	5.0	362
650	I. L. Ellwood Est.	123	June 16, 1939	649	78	76	42	311	230	66	b/	4.4	507
651	J. L. Williams	214	July 22, 1939	885	75	90	68	293	323	80	b/	4.9	555
652	S. B. Bardwell	120	May 17, 1939	573	-	-	-	317	113	98	b/	-	-
653	I. L. Ellwood Est.	125	Sept. 12, 1939	421	48	49	43	329	88	26	b/	5.3	320
662	J. B. Comer	122	Sept. 5, 1939	526	76	56	37	329	140	50	b/	5.1	420
670	I. L. Ellwood Est.	97	Sept. 8, 1939	543	58	67	47	336	132	68	b/	4.9	421
672	J. C. Whaley	140	July 25, 1939	505	65	52	51	354	89	74	b/	-	377
674	W. F. Vernon	185	July 27, 1939	488	56	58	41	317	105	72	b/	-	381

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

c/ Analyses of selected wells are given in milligrams equivalents per liter on page 72.

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

Results are in parts per million.

Well c/	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Cal- cium (Ca)	Magne- sium (Mg)	Sodium and Potassium (Na / K (calc.)	Bicar- bonate (HCO ₃)	Sul- phate (SO ₄)	Chlo- ride (Cl)	Ni- trate (NO ₃)	Fluor- ide (F)	Total hardness as CaCO ₃ (calc.)
675	W. H. Sill	140	July 21, 1939	479	53	51	57	342	85	60	b/	5.3	342
678	R. Sides	89	May 17, 1939	559	-	-	-	384	117	50	b/	-	-
679	C. Turner	79	do.	440	79	49	20	409	69	17	b/	4.5	400
680	G. M. Wynn	110	do.	573	58	60	67	360	146	65	b/	-	392
683	V. J. Williams	83	June 1, 1939	771	101	74	66	305	247	130	b/	3.2	555
703	M. V. Vermillion	104	May 25, 1939	643	53	59	102	409	161	67	b/	-	376
710	Jack Mullin	126	May 24, 1939	557	42	40	110	329	145	54	b/	4.2	269
723	E. G. Smith	117	Aug. 31, 1939	630	38	40	141	378	169	56	b/	-	260
724	F. E. Hill	106	May 17, 1939	723	48	50	147	378	223	64	b/	4.6	326
737	Ellwood Est.	110/	Feb. 7, 1940	623	79	58	65	384	154	52	21	4.6	436
738	do.	110	do.	485	52	53	54	342	113	40	b/	4.5	348
739	M. T. Holley	110/	Feb. 6, 1940	400	34	36	72	299	51	56	b/	4.4	232
740	Ellwood Est.	110/	Feb. 7, 1940	606	53	51	103	390	142	60	b/	4.6	341
743	do.	105	do.	572	59	51	79	329	160	56	b/	5.0	356
745	U.S.Dept. of Agri. -Farm Security Assn.	119	Feb. 6, 1940	696	70	85	50	287	261	84	b/	4.6	528
750	do.	126	do.	682	81	74	55	305	229	88	b/	4.8	505
754	do.	125	do.	744	64	69	105	354	206	108	b/	4.4	442
763	do.	125	do.	480	38	46	84	372	71	54	b/	4.4	283
767	do.	124	do.	601	30	38	152	451	95	58	b/	5.5	234
776	do.	144	do.	471	45	58	55	384	67	52	b/	4.8	351
786	do.	136	do.	717	95	75	52	293	221	126	b/	4.4	546
789	Ellwood Est.	110/	do.	656	66	69	79	403	142	82	b/	4.6	447
790	U.S.Dept. of Agri. -Farm Security Assn.	124	do.	509	54	56	61	366	83	70	b/	4.7	364
795	do.	-	do.	607	68	68	54	323	190	63	b/	5.0	447
798	do.	-	do.	531	67	59	41	293	152	63	b/	4.8	411
804	do.	-	do.	599	65	65	62	336	158	80	b/	4.2	430
808	do.	-	do.	546	56	62	60	366	129	54	b/	5.1	393
813	do.	-	do.	579	36	56	108	409	99	74	b/	4.5	319
817	do.	-	do.	549	35	41	121	403	87	58	b/	5.1	255
821	do.	-	do.	481	48	53	62	366	73	60	b/	5.0	338
824	do.	-	do.	580	64	56	71	329	142	80	b/	4.6	389
827	W. L. Millsap	92	Feb. 7, 1940	537	67	57	49	311	142	64	b/	4.6	400

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

c/ Analyses of selected wells are given in milligrams
equivalents per liter on page 72.

Chemical analyses--Continued

Results are in milligrams equivalents per liter

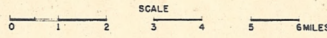
Well	Owner	Depth of well (ft.)	Date of collection	Total hardness as CaCO ₃ (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total dissolved solids (calc.)
205	H. J. Greener	109	Aug. 3, 1939	4.48	1.92	2.56	4.68	5.00	2.01	1.92	0.22	-	18.32
214	T. J. Richards	116	Aug. 7, 1939	10.98	3.82	7.16	10.45	6.20	9.24	5.73	0.26	-	42.86
227	C. D. Waters	80	Apr. 25, 1939	3.60	1.58	2.02	3.62	5.80	0.58	0.56	0.28	-	14.44
239	E. Pfeifer	94	Apr. 19, 1939	4.92	3.42	1.50	2.35	4.50	1.61	0.79	0.07	-	14.54
250	Ira P. DeLoache	135	Aug. 2, 1939	7.92	3.12	4.80	4.29	6.40	3.44	2.12	0.25	-	24.42
277	T. Summers	145	Apr. 18, 1939	8.18	2.98	5.20	2.61	5.30	3.22	2.03	0.23	-	21.58
289	Henry Fietz	122	Sept. 13, 1939	8.44	4.84	3.60	2.22	4.20	4.01	2.20	0.25	-	21.32
293	P. H. Howry	75	May 26, 1939	7.26	2.90	4.36	2.88	5.10	2.94	1.86	0.24	-	20.28
301	B. M. Whittaker	93	June 28, 1939	8.40	3.04	5.36	5.79	5.40	4.28	3.95	0.22	0.34	28.38
405	M. Burnham	110	Aug. 29, 1939	8.86	3.86	5.00	5.12	4.80	6.04	2.88	0.25	-	27.96
416	W. S. Mitchell	101	May 24, 1939	6.74	2.48	4.26	3.53	5.80	2.26	1.97	0.23	-	20.54
523	L. E. Plunkett	160	Mar. 22, 1939	4.74	1.84	2.90	4.44	6.40	1.68	0.90	0.19	-	18.36
529	C. B. Edgar	130	Mar. 27, 1939	8.78	3.56	5.22	2.01	4.60	3.60	2.37	0.21	-	21.58
572	Baylor County	123	July 31, 1939	7.40	2.70	4.70	2.46	5.80	2.01	1.75	0.29	-	19.14
577	J. L. Smallwood	109	Sept. 12, 1939	9.78	3.28	6.50	1.08	7.50	2.00	1.02	0.33	0.40	21.72
628	C. M. Wyatt	118	Sept. 7, 1939	9.14	3.54	5.60	1.43	4.60	4.01	1.72	0.23	-	21.12
636	A. N. Turner	135	do.	10.72	3.32	7.40	1.17	5.20	4.59	1.86	0.23	-	23.78
675	W. H. Sill	140	July 21, 1939	6.84	2.64	4.20	2.49	5.60	1.76	1.69	0.28	-	18.66
710	Jack Mullin	126	May 24, 1939	5.38	2.12	3.26	4.78	5.40	3.02	1.52	0.22	-	20.32
740	Ellwood Est.	110	Feb. 7, 1940	6.82	2.66	4.16	4.48	6.40	2.96	1.69	0.24	-	22.60
789	do.	110	Feb. 6, 1940	8.94	3.28	5.66	3.42	6.60	2.97	2.31	0.24	0.24	24.72
827	W. L. Millsap	92	Feb. 7, 1940	8.00	3.34	4.66	2.12	5.10	2.96	1.81	0.24	-	20.24

MAP OF HOCKLEY COUNTY, TEXAS

SHOWING LOCATIONS OF WATER WELLS LISTED

— 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
- ⊙ SINK
- ESCARPMENT



CARL B. MUELLER
PROJECT SUPERINTENDENT
W.P.A. PROJECT 12943

BASE COMPILED FROM
LAND OWNERSHIP MAP
AND FIELD NOTES

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

