

TEXAS BOARD OF WATER ENGINEERS

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BULLETIN 5203

WINTER GARDEN DISTRICT
DIMMIT AND ZAVALA COUNTIES AND EASTERN MAVERICK COUNTY, TEXAS

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

By
Donald E. Outlaw and others
United States Geological Survey
and
Texas Board of Water Engineers

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MARCH 1952

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Plate 1. Map showing wells, outcrop of the Carrizo sands, and structure contours on top of the Carrizo sand in the Winter Garden district, Texas	Pocket
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WINTER GARDEN DISTRICT
DIMMIT AND ZAVALA COUNTIES AND EASTERN MAVERICK COUNTY, TEXAS

MARCH 1952

INTRODUCTION

Irrigation wells in the Winter Garden district were reported by the United States Geological Survey as early as 1898. Since 1929 ground-water studies have been made cooperatively by the Texas Board of Water Engineers and the Geological Survey. The investigations have been made intermittently as funds appropriated by the State Legislature would permit. The factual data obtained during the investigations from 1929 to 1948 are here presented in four tables and one map.

The map, drawn on a scale of 2 miles to 1 inch, shows the locations of all wells from which data were obtained. Irrigation wells, wells drilled to test for oil or gas, domestic wells, etc. are distinguished by symbols explained on the margin of the map. The numbers accompanying the well symbols on the map correspond to the numbers assigned to the wells in the tables.

The wells were numbered according to their location. The 30-minute quadrangles were assigned letters in order, beginning at the upper left-hand corner (pl. 1). Each 30-minute quadrangle was subdivided into 10-minute quadrangles, which were numbered consecutively, again beginning at the upper left-hand corner. Within each 10-minute quadrangle the wells were numbered consecutively as inventoried. For example, well N5-48 in Crystal City is in the 30-minute quadrangle designated N, in the fifth 10-minute quadrangle of N, and is the 48th well inventoried in the 10-minute quadrangle.

The map also shows the outcrop of the Carrizo sand, the locations of faults, and by means of contours the altitude of the top of the Carrizo sand where it occurs below land surface.

The table of well records contains descriptions of 1,196 wells. Insofar as the data were available, the records for each well shows the well site, the date of completion, the depth and diameter, the casing record, the depth to the top of the Carrizo sand and the thickness of the sand, the depth to water and the date of measurement, the method of lift and the use of the water, and the number of acres irrigated from each well during the 1929-30, 1937-38, and 1947-48 seasons.

The drillers' logs of 82 wells are given in the table of drillers' logs. The data are essentially as given by the driller.

Numerous wells in the district have been selected for periodic depth-to-water measurements. The measurements are given both in depth below land surface and elevations above mean sea level. Records of water levels are given for 46 wells.

Chemical analyses are given for 177 wells. The analyses are further classified according to the formation from which the water is obtained.

Copies of this report may be obtained free of charge from the Texas Board of Water Engineers, 302 West 15th Street, Austin, Texas.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County, Texas
(All wells are drilled unless otherwise indicated in remarks column)

Method of lift: C, cylinder; D, diesel or oil; E, electric; G, gasoline; H, hand; Ng, natural gas; T, turbine; W, windmill. Number indicates horsepower.
Use of water: D, domestic; Irr, irrigation; N, not used; PS, public supply; S, stock.
* For analyses see table, pp. 151-157
** For chloride see table, pp. 151-157

Well	Distance from La Pryor	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
G9-1	16½ miles northwest	G. B. Bentley	--	--	125	4	--	--	--	47.7	Dec. 12, 1929	C,W	D,S	--	--	--	
H7-1	9½ miles north	C. L. Bloom, et. al.	--	1920	687	--	--	--	--	--	--	--	--	--	--	--	R.L. Anderson well 2, gas test. Basalt reported at 650 to 654 feet and 684 to 687 feet.
H7-2	9½ miles north	N. B. Pulliam	--	1909	40	6	38	--	--	34.4	Apr. 4, 1930	C,W	D,S	--	--	--	
H7-3	9½ miles northwest	E. B. Flowers	--	--	100	5	--	--	--	83.1	do.	C,W	D,S	--	--	--	
H7-4	7½ miles north	Washer Bros.	--	1927	640	8	150	--	--	--	--	--	--	--	--	--	Casing: 130 feet of 8-inch; 20 feet of 8-inch perforated with ¼-inch holes. Well plugged back to 200 feet. Water reported slightly brackish.
H7-5	6 miles northwest	A. R. Hibdon	B. F. Kite	1922	300	8	--	--	--	111.4	Nov. 19, 1929	C,G, 6	S	--	--	--	
H7-6	6½ miles northwest	Turk Ranch	--	--	48	--	--	--	--	42.1	Apr. 4, 1930	C,W	S	--	--	--	Dug.
H7-7	4½ miles northwest	-- Tepley	B. F. Kite	1911	155	10	155	58	--	99.8	Nov. 19, 1929	C,W	D,S	--	--	--	Casing: 95 feet of 10-inch; 60 feet of 10-inch perforated.
H7-8	do.	-- McCrary	do.	--	--	8	--	--	--	111.1	do.	C,G	N	--	--	--	
H7-9	4½ miles	do.	do.	--	--	--	--	--	--	112.0	do.	C,W	D,S	--	--	--	
H7-10	4½ miles northwest	J. N. Wheelless	do.	1926	144	1.6	144	112	--	111.3	do.	C,W	D,S	--	--	--	Casing: 124 feet of 6-inch; 20 feet of 6-inch perforated. Log.
H7-11	4½ miles	-- Scott	--	--	--	--	--	--	--	114.4	do.	C,W	D,S	--	--	--	

Well	Distance from La Pryor	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
H7-12	5 miles northwest	-- Scott	B. F. Kite	1923	175	10	175	80	--	114.5	Nov. 19, 1929	--	N	--	--	--	Casing: 115 feet of 10-inch; 60 feet of 10-inch perforated with 1/4 and 5/8-inch holes. Log.
H7-13	4 1/2 miles northwest	Roy Cornett	do.	1912	172	10	172	95	--	113.3	Nov. 7, 1929	C,W	S	--	--	--	Casing: 132 feet of 10-inch; 40 feet of 10-inch perforated.
H7-14	4 1/2 miles north	Frank Wampler	Cox & Davis	1929	133	8	--	--	--	111.4	Nov. 19, 1929	T,G	Irr	--	--	50	Deepened to 190 feet by E. L. Kite.
H7-15	do.	do.	B. F. Kite	1912	170	10-3/8	170	95	--	--	--	--	N	50	0	0	Screen set at 130 to 170 feet. Temp. 75° F.
H7-16	4 1/2 miles north	do.	do.	1927	130	6	--	--	--	--	--	--	N	--	--	--	
H7-17	4 miles north	-- Campbell	L. F. Kite	1926	240	10	230	60	140	103	Feb. 8, 1928	T,E, 40	Irr	160	160	--	Casing: 130 feet of 10-inch; 100 feet of 10-inch perforated with 3/8-inch holes. Temp. 76° F.
H7-18	do.	B. F. Kite	B. F. Kite	1922	1,730	8	--	90	145	--	--	--	--	--	--	--	Gas well.
H7-19	do.	--	Cribbs & Davidson	--	1,150	--	--	100	135	--	--	--	--	--	--	--	Gas test, abandoned and filled.
H7-20	5 1/2 miles north	O. V. Vickery	B. F. Kite	1926	130	6	130	93	67	73.0	Nov. 13, 1929	C,W	D,S	--	--	--	Casing: 90 feet of 6-inch; 40 feet of 6-inch perforated. Log.
H7-21	5 1/2 miles north	do.	Cribbs & Davidson	1934	164	12	164	50	94	--	--	--	--	--	--	--	Casing: 70 feet of 12-inch; 94 feet of 12-inch perforated. Log.
H7-22	5 1/2 miles north	do.	do.	1934	192	12	192	140	37	--	--	T,E, 40	Irr	--	--	--	Reported low yield. Assists H7-23. Log.
H7-23	4 1/2 miles north	do.	do.	1934	182	12 1/2	168	110	57	--	--	T,E, 40	Irr	--	380	700	Casing: 101 feet of 12 1/2-inch; 67 feet of 10-inch perforated. Used with H7-22. Log.
H7-24	3 1/2 miles north	Seth Davenport	O. F. Webb	1946	270	10	180	90	90	270	--	T,G	Irr	--	--	--	
H7-25	4 1/2 miles north	do.	do.	1948	277	10	270	180	70	--	--	T,G	Irr	--	--	190	
H7-26	4 1/2 miles north	Geo. C. Tondre	E. L. Kite	1946	232	10	232	128	104	--	--	T,G	Irr	--	--	160	
H7-27	4 1/2 miles northwest	-- Campbell	J. E. & E. L. Kite	1943	191	12	191	127	41	127.0	Nov. 15, 1943	C,W	D	--	--	0	
H7-28	5 miles north	Frank Wampler	E. L. Kite	1948	244	12	244	132	48	146	Apr. 18, 1948	T,G, 35	Irr	--	--	P	

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from La Pryor	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
H7-29	4½ miles north	Geo. Vickery	E. L. Kite	1943	156	12½	175	--	--	--	--	T, E, 20	Irr	--	--	--	
H7-30	5½ miles northwest	A. R. Hibdon	B. F. Kite	1920	--	6	199	--	--	135.8	Nov. 19, 1929	C, W	D, S	--	--	--	Log.
H8-1*	9½ miles northeast	A. W. West	--	--	120	5	--	--	--	79.0	Nov. 11, 1929	C, W	S	--	--	--	
H8-2	10 miles northeast	West - Burns	--	1905	240	6	--	--	--	--	--	C, W	S	--	--	--	
H8-3	do.	A. W. West	--	--	200	6	--	--	--	81.0	Dec. 23, 1929	C, W	S	--	--	--	
H8-4	11½ miles northeast	do.	--	--	1,470	--	--	--	--	--	--	--	--	--	--	--	Mission Drilling Co., No. 1, gas test.
H8-5	11½ miles northeast	do.	--	--	850	--	--	--	--	--	--	--	--	--	--	--	Keystone No. 1, gas well.
H8-6	12½ miles northeast	T. P. Lee	--	1909	400	6	--	--	--	67.8	Nov. 29, 1929	C, W	S	--	--	--	Reported low yield, no water below 80 feet. Leona formation (?)
H8-7	do.	A. W. West	--	--	1,308	--	--	--	--	--	--	--	--	--	--	--	Pundt No. 1 West, gas test.
H8-8	6½ miles north	I. T. Pryor	--	1926	3,503	--	--	--	--	--	--	--	--	--	--	--	Continental-Old Dominion Co., I. T. Pryor No. 1, oil test.
H8-9*	5 miles northeast	I. T. Pryor, Jr.	--	1930	1,155	--	--	85	143	--	--	--	--	--	--	--	State No. 1, gas test in bed of Nueces River.
H8-10	do.	do.	--	1930	456	--	--	30	--	--	--	--	--	--	--	--	Texas Gas Utility Co., No. 1, gas test, not completed.
H8-11	8 miles northeast	--	--	--	1,046	--	--	--	130	--	--	--	--	--	--	--	Anglin Oil & Gas Co., well 5, gas test.
H8-12	9 miles northeast	--	--	1921	1,395	--	--	53	144	--	--	--	--	--	--	--	La Pryor Oil & Gas Co., well 1, gas test.
H8-15	10 miles northeast	--	--	1929	1,125	8	860	48	147	--	--	--	--	--	--	--	Oil test.
H8-16	10½ miles northeast	A. W. West	--	--	1,100	--	--	0	192	--	--	--	--	--	--	--	Witherspoon No. 3, West, gas test.
H8-17	10½ miles northeast	do.	Munroe Fenley	1927	234	6	--	--	--	179.0	Nov. 28, 1929	C, W	S	--	--	--	Temp. 72½° F. 1929.
H8-18	9½ miles east	Smith-Flowers	--	--	1,820	--	--	240	--	--	--	--	--	--	--	--	Navarro Oil Co., No. 1, gas test.

Well	Distance from La Pryor	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
H8-19	10½ miles east	T. P. Lee	--	1927	310	6	290	256	--	131.5	Nov. 30, 1929	--	N	--	--	--	Casing: 250 feet of 6-inch; 40 feet of 6-inch perforated with ½-inch holes.
H8-20	11½ miles northeast	do.	Monroe Finley	--	300	8	--	--	--	94.9	Jan. 30, 1946	C,W	S	--	--	0	
H8-21	13 miles northeast	do.	do.	--	--	6	--	--	--	--	--	C,W	S	--	--	0	
H8-22	12 miles northeast	do.	do.	--	--	8	--	--	--	144.4	Jan. 30, 1946	C,W	S	--	--	0	
H8-23	11½ miles northeast	do.	do.	--	--	6	--	--	--	--	--	C,W	D,S	--	--	0	
H8-68	4½ miles northeast	A. D. Walker	E. L. Kite	1943	84	6	84	60	24	61.9	Dec. 27, 1946	C,W	D	--	--	0	Federal observation well.
H8-69	4½ miles north	do.	do.	1945	190	10	190	172	18	--	--	T,Ng	Irr	--	--	160	
H8-70	4½ miles north	do.	do.	1946	203	10	203	127	76	--	--	T,Ng	Irr	--	--	80	
H8-71	4½ miles north	do.	do.	1947	203	12	202	122	79	78	June 27, 1947	T,Ng	Irr	--	--	190	
H8-72	5 miles north	V. O. Vickery	do.	1948	193	12	193	75	114	--	--	T,E	Irr	--	--	--	Samco test, 1,100 gallons a minute. Drawdown, 35 feet.
H8-73	5½ miles north	Geo. Vickery	--	1948	156	8	136	115	41	115	Jan. 23, 1947	T,E	Irr	--	--	0	

Distance from Batesville

H9-1*	8½ miles north	--	--	--	58	6	--	--	--	49.5	Nov. 4, 1929	C,W	S	--	--	--	
H9-2*	8½ miles northeast	Kincaid Bros.	--	1904	250	6	--	--	--	186.2	Nov. 5, 1929	C,W	S	--	--	--	
H9-3	11 miles northeast	do.	Monroe Finley	1929	204	6	--	0	200	160.5	do.	C,W	S	--	--	--	
H9-4	4 miles north	-- Baxter	--	1929	45	48	--	--	--	42.0	Nov. 12, 1929	B,H	D	--	--	--	In Leona formation.
H9-5	8 miles northwest	T. P. Lee	--	--	147	6	--	--	--	41.7	Feb. 14, 1946	C,W	S	--	--	--	
H9-6	6½ miles northwest	do.	--	--	200	6	--	--	--	--	--	C,W	S	--	--	--	

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Batesville	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
H9-7	6 miles northwest	T. P. Lee	--	--	6	--	--	--	--	58.4	--	C, W	S	--	--	--	
H9-8	6 miles north	do.	--	--	57	8	--	--	--	50.5	Jan. 28, 1946	C, W	S	--	--	--	
H9-9	5 miles northwest	do.	--	--	6	--	--	--	--	62.3	Feb. 14, 1946	C, W	S	--	--	--	
H9-10	4 miles northwest	do.	--	--	110	6	--	--	--	57.5	do.	C, W	S	--	--	--	
H9-11	do.	do.	--	--	66	6	--	--	--	56.8	do.	None	N	--	--	--	
H9-12	3½ miles northwest	J. H. Newcomer	--	--	--	48	--	--	--	45.0	Jan. 16, 1946	None	N	--	--	--	
H9-13	do.	do.	--	--	--	6	--	--	--	44.9	do.	C, H	D, S	--	--	--	
H9-14	3¼ miles north	Wm. A. Jones	--	--	50	10	--	--	--	43.4	do.	C, W	D, S	--	--	--	
H9-15	do.	Clay Sherer	--	--	43	6	--	--	--	37.2	do.	C, W	D, S	--	--	--	
H9-16	2¼ miles north	T. T. Nelson	--	--	48	6	--	--	--	43.0	do.	None	N	--	--	--	
I7-1	12¼ miles northeast	Kincaid Bros.	--	1907	140	--	--	--	--	91.6	Nov. 9, 1929	C, W	S	--	--	--	
I7-2	10 miles northeast	do.	--	--	--	6	--	--	--	43.4	Nov. 6, 1929	C, W	S	--	--	--	
I7-3	10¼ miles northeast	--	--	--	--	6	--	--	--	78.0	Feb. 10, 1930	C, W	D, S	--	--	--	
I7-4	13¼ miles northeast	H. J. Tiller	--	--	120	6	--	--	--	77.8	do.	C, W	D, S	--	--	--	
I7-5	do.	do.	--	--	115	12	--	--	--	81.6	do.	C, W	S	--	--	--	

Well	Distance from La Pryor	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
M2-1	20½ miles west	-- Fessman	--	--	500	--	--	--	--	--	--	C,W	N	--	--	--	Low yield, salt water.
M2-2	21 miles west	Gus Black Estate	Charley Lindenborn	--	130	--	--	--	--	--	--	C,W	S	--	--	--	
M2-4	24 miles west	Chitten Estate	--	--	--	12	--	--	--	3.0	Mar. 23, 1930	C,W	S	--	--	--	Chilipetin oil test, used as stock well. Indio formation.
M3-1	16 miles west	-- Lens	--	1929	202	8	--	--	--	--	--	C,W	S	--	--	--	Yields salt water. Indio formation.
M3-2	13½ miles west	-- Fenley	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Do.
M3-3	do.	-- Ingram	--	--	--	6	--	--	--	71.0	Mar. 30, 1930	C,W	D,S	--	--	--	Temp. 75° F.
M3-5	11½ miles west	H. Rambie	Cox & Davis	1928	68	6	--	--	40	42.5	do.	C,W	S	--	--	--	
M3-6*	16½ miles west	M. Rambie	do.	1927	100	10	60	--	100	--	--	T,L	N	--	--	--	Casing: 40 feet of 10-inch; 20 feet of 10-inch perforated. Reported in 1938 no irrigation since 1934. Temp. 78° F. Log.
M3-7	16½ miles west	do.	--	1900	40	5	--	--	--	30.5	Jan. 27, 1930	--	N	--	--	--	
M3-8	16½ miles west	H. P. Street	--	--	47	3	--	--	--	--	--	C,W	D,S	--	--	--	Supply reported weak.
M3-9	14½ miles west	Geo. Park	Cox & Davis	1928	132	--	--	--	132	--	--	--	N	--	--	--	
M3-10	do.	do.	--	1910	--	5	--	--	--	50.9	Jan. 27, 1930	--	N	--	--	--	
M3-11*	14½ miles west	R. W. Horton	--	--	194	6	20	--	--	91.0	Mar. 30, 1930	C,W	D,S	--	--	--	
M3-12*	14 miles west	do.	--	--	150	--	--	--	--	--	--	C,W	S	--	--	--	
M3-13	11½ miles west	do.	--	--	150	8	--	--	--	52.4	Mar. 30, 1930	C,W	S	--	--	--	Temp. 75° F.
M3-14	19½ miles west	Gus Black Estate	Charley Lindenborn	--	250	--	--	--	--	--	--	--	N	--	--	--	Found only small salt water seep. Abandoned and filled.
M3-15*	19½ miles west	do.	Munroe Fenley	1928	120	8	20	--	--	51.0	Feb. 12, 1930	C,W	D,S	--	--	--	Temp. 76° F.
M3-16	do.	do.	Charley Lindenborn	--	100	--	--	--	--	--	--	--	N	--	--	--	Bad water reported. Abandoned.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from La Pryor	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
M3-17	17½ miles west	G. W. Williams	Cox & Davis	1928	104	10	103	--	104	--	--	C, W	D, S	--	--	--	Casing: 24 feet of 10-inch; 80 feet of 10-inch perforated.
M3-18	19½ miles southwest	Gus Black Estate	Joe York	1912	80	6	20	--	--	46.3	May 19, 1930	C, W	S	--	--	--	
M3-19*	do.	do.	Charley Lindenborn	1910	90	6	20	--	--	38.4	do.	C, W	S	--	--	--	Temp. 75° F.
M3-20	18½ miles west	do.	Cox & Davis	1928	80	6	20	--	--	50.6	Feb. 12, 1930	--	N	--	--	--	Log.
M3-21	18½ miles west	--	--	--	81	6	--	--	--	44.6	Feb. 6, 1930	--	N	--	--	--	
M3-22	11½ miles west	G. W. Williams	Cox & Davis	1929	70	6	57	--	--	--	--	C, W	S	--	--	--	
M3-23	16½ miles west	do.	do.	1929	107	8	--	--	--	56.5	Feb. 12, 1930	C, W	D, S	--	--	--	
M3-24*	16½ miles west	C. F. Jackson	do.	1929	102	10	82	--	102	--	--	--	N	20	0	--	Reported no irrigation for several years prior to 1937-38. Log.
M3-25	16 miles west	do.	--	--	24	48	--	--	--	--	--	C, W	N	--	--	--	Dug. Abandoned because creek overflows into it.
M3-26	16½ miles west	do.	--	1910	35	5	--	--	--	31.4	Feb. 12, 1930	C, W	D, S	--	--	--	
M3-27	15½ miles west	do.	W. H. Rose	1910	32	5	20	--	--	--	--	C, W	S	--	--	--	
M3-28	14½ miles west	Hope & Perkins	Cox & Davis	1928	123	10	80	--	--	41.5	Feb. 12, 1930	--	N	--	--	--	
M3-29*	13½ miles west	R. W. Norton	--	--	150	6	--	--	--	96.8	Jan. 25, 1930	C, W	S	--	--	--	
M3-30	14½ miles west	Hope & Perkins	Cox & Davis	1927	65	5	65	--	--	26.8	Feb. 12, 1930	C, W	S	--	--	--	
M3-31*	18½ miles west	do.	--	--	115	5	--	--	--	70.5	do.	C, W	S	--	--	--	
M3-32	12½ miles west	G. W. Williams	--	--	175	4	--	--	--	--	--	C, W	S	--	--	--	Water reported slightly salty.
M3-33	12½ miles west	do.	--	--	--	4	--	--	--	--	--	C, W	S	--	--	--	
M3-34	14 miles southwest	Hope & Perkins	--	--	--	6	--	--	--	46.3	Feb. 12, 1930	C, W	S	--	--	--	
M3-35*	15½ miles southwest	Chittem Estate	--	--	--	6	--	--	--	32.6	Feb. 11, 1930	C, W	S	--	--	--	
M3-36*	15½ miles southwest	Willie Clark	Cox & Davis	1928	263	8	191	210	--	--	--	C, W	S	--	--	--	

Well	Distance from La Pryor	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement		Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
M3-37	15 1/2 miles southwest	Willie Clark	--	--	--	112	--	--	--	39.0	Feb. 11, 1930	C, W	--	--	--	Once flowed according to report.
M3-38	14 1/2 miles southwest	Chittem Estate	--	--	--	6	--	--	--	10.5	do.	C, W	--	--	--	
M3-39	do.	R. W. Norton	--	--	--	--	--	--	--	--	--	C, W	--	--	--	
M3-40	16 1/2 miles west	--	Elmo Owen	1935	148	12	20	60	80	--	--	T, G	0	--	--	
M3-41	16 1/2 miles west	--	do.	1935	120	12	20	--	--	--	--	T, D	0	353	--	
M3-42	do.	--	do.	1935	112	12	20	--	--	--	--	T, G	0	--	--	
M3-43	16 1/2 miles southwest	--	do.	1935	108	12	20	--	--	14	May --, 1935	T, D	0	--	--	
M3-44	18 1/2 miles west	Gus Black Estate	do.	1935	92	10	20	0	--	--	--	T, D	0	--	--	
M3-45	12 1/2 miles southwest	R. W. Norton	--	--	--	6	--	--	--	39.8	Feb. 6, 1930	C, W	0	--	0	
M3-46	19 1/2 miles southwest	Chittem Estate	--	--	--	--	--	--	--	--	--	C, W	--	--	--	
M3-47	do.	do.	--	--	--	--	--	--	--	--	--	C, W	--	--	--	
M3-48	17 1/2 miles west	F. G. Taylor	O. F. Webb	1948	122	12	122	--	122	--	--	T, E, 20	--	--	60	
M3-49	18 1/2 miles west	do.	James Sellars	1948	95	12	95	--	95	--	--	T, E, 10	--	--	--	Completed after irrigation season.
M3-50	18 1/2 miles west	do.	O. F. Webb	1948	79	12	79	--	79	--	--	T, E, 10	--	--	--	Do.
M3-51	18 1/2 miles west	do.	do.	1948	95	12	77	--	95	--	--	T, E, 10	--	--	--	Do.
M3-52	18 miles west	A. Wozencraft	--	1948	100	12	--	--	100	--	--	T, E, 30	--	--	--	Do.
M5-1	23 miles southwest	Chittem Estate	Joe York	--	--	--	--	--	--	--	--	C, W	--	--	--	Reported weak. Yields salt water.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
M6-1	11½ miles west	A. N. Erskine	J. McFarland	1906	600	8	--	--	--	--	--	T, G, 16	Irr	--	--	50	
M6-2	do.	G. C. Marshall	--	--	--	--	--	--	--	--	--	T, G	Irr	--	--	300	
M6-3	20½ miles northwest	Chitten Estate	--	--	--	6	--	--	--	--	--	C, W	S	--	--	--	Reported weak. Yields salt water
M6-4**	20½ miles northwest	do.	--	--	--	4	--	0	--	68.0	May 19, 1930	C, W	S	--	--	--	
M6-5	19½ miles northwest	Plumley & Stewart	--	--	--	4	--	0	--	75.8	do.	C, W	S	--	--	--	
M6-6	18½ miles northwest	Chitten Estate	--	--	--	6	--	--	--	--	--	C, W	S	--	--	--	Water reported mineralized.
M6-7	17 miles northwest	-- Plumley	--	1928	--	6	--	--	--	83.5	Jan. 17, 1930	C, W	S	--	--	--	Water reported salty.
M6-8	do.	King Ware	Will Terry	1905	228	5-5/8	160	160	--	--	--	C, W	S	--	--	--	Ninety feet deep and salty when first drilled, later deepened and salt cased off.
M6-9	16½ miles northwest	do.	Elmo Owen	1928	335	--	--	--	--	67.8	Jan. 17, 1930	C, W	S	--	--	--	Water reported salty.
M6-10	16½ miles northwest	W. M. Van Cleve	Harry Bowers	1914	150	5-5/8	96	90	--	69.6	Jan. 21, 1930	C, W	D, S	--	--	--	
M6-11**	20 miles northwest	Chitten Estate	--	--	--	5	--	--	--	53.5	Mar. 12, 1930	C, W	S	--	--	--	
M6-12**	19 miles northwest	do.	--	--	140	6	--	--	--	64.0	do.	C, W	S	--	--	--	
M6-13**	18½ miles northwest	do.	--	--	--	16	--	--	--	66.8	Mar. 11, 1930	C, W	S	--	--	--	
M6-14**	16½ miles west	do.	--	--	--	4	--	--	--	88.4	Mar. 13, 1930	C, W	S	--	--	--	
M6-15	15½ miles northwest	do.	--	--	--	6	--	--	--	37.2	Mar. 12, 1930	C, W	S	--	--	--	
M6-16	14½ miles northwest	J. W. Steward	Will Clark	--	300	5-3/16	--	--	--	42.7	Jan. 17, 1930	C, W	D, S	0	0	0	
M6-17	15½ miles northwest	C. Van Cleve	Ive White	1904	160	5-5/8	100	100	--	41.7	Jan. 21, 1930	C, W	D, S	--	--	--	
M6-18	14 miles northwest	N. E. Ware	Charley Lindenbern	1904	530	5-5/8	--	--	--	35.7	Jan. 17, 1930	C, W	D, S	--	--	--	

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
M6-19	14 miles west	L.D. Van Cleve	Ive White	1905	180	5-5/8	100	--	--	49.5	Jan. 17, 1930	C, W	D, S	--	---	--	
M6-20	11 1/2 miles northwest	J. W. Stewart	W.E. Campbell	1910	715	6	440	250	170	39.2	Jan. 19, 1930	--	N	--	--	--	
M6-21	11 1/2 miles west	A. W. Allison	Charley Lindenberg	1929	420	--	--	--	--	--	--	--	N	260	0	--	
M6-22	11 1/2 miles west	Ben Patterson	--	1900	--	--	--	--	--	--	--	T, G	D, S, Irr	--	125	0	
M6-23	do.	do.	L.D. Stripling	1934	522	10	192	300	200	--	--	T, D, 20	S, Irr	--	55	200	Temp. 81° F.
M9-1	do.	T. B. Mear	Charley Lindenberg	1904	335	6	60	250	--	58.2	Dec. 19, 1929	C, W	D, S	--	--	--	Reported water level 20 feet below surface in 1913. Temp. 80° F.
M9-2	11 1/2 miles west	A. W. Allison	do.	--	425	5	--	250	--	--	--	--	N	--	--	--	Plugged and abandoned.
M9-3**	11 1/2 miles west	Fred Erskine	John Mac Farland	1907	432	10-5/8	219	280	--	--	--	T, D, 40	D, S, Irr	--	--	100	Casing: 20 feet of 10-5/8-inch drive pipe; 200 feet of 8-inch. Log.
M9-4*	13 1/2 miles west	Chitten Estate	Harry Bowers	1900	200	8	--	--	--	51.4	Feb. 4, 1930	C, W	S	--	--	--	
M9-5	do.	Pablo Sanchez	J. Galan	1926	100	6	20	--	--	76.0	do.	C, W	D, S	--	--	--	
M9-6	14 miles west	Farias Ranch	--	--	460	--	--	--	--	---	--	C, W	N	--	--	--	Salt-water seeps reported at 40, 80, and 460 feet.
M9-7	12 1/2 miles southwest	W.M. Singleton	--	--	700	--	--	--	--	--	--	C, W	N	--	--	--	Water reported salty.
M9-8	12 1/2 miles southwest	do.	--	1928	100	6	--	--	--	29.2	May 15, 1930	C, W	D, S	--	--	--	
M9-9**	12 1/2 miles southwest	-- Meyers	--	--	--	10	--	--	--	75.0	Dec. 12, 1929	C, W	S	--	--	--	
M9-10	14 1/2 miles southwest	Farias Ranch	--	1910	250	--	--	--	--	--	--	C, W	N	--	--	--	Yields salt water.
M9-11	12 1/2 miles southwest	-- Meyers	W. McCorley	1924	110	8	--	--	--	--	--	C, W	S	--	--	--	
M9-12	15 1/2 miles southwest	--	Geo. Petty	1920	200	6	200	--	--	--	--	C, W	S	--	--	--	Reported weak. Yields salt water.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
M9-14*	11½ miles west	B. H. Erskine	L.D.Stripling	1937	410	10	256	275	125	--	--	T,G, 30	Irr	--	180	52	Irrigated land supplied in part from well.
M9-15	12 miles west	-- Sweet	Elmo Owens	1948	390	12	280	280	80	--	--	T,G	Irr	--	--	200	

Distance from Carrizo Springs

M9-16	9½ miles west	Ed. Gardner	-- Owens	--	--	--	--	--	--	--	--	C,W	S	--	--	--	See chemical analyses.
M9-17	10½ miles west	do.	do.	--	--	--	--	--	--	--	--	C,W	S	--	--	--	Do.
M9-18	10 miles west	do.	do.	--	--	--	--	--	--	--	--	C,W	S	--	--	--	Do.
M9-19	10½ miles northwest	Ben Patterson	--	--	200	--	--	--	--	--	--	C,W	S	--	--	--	Do.
M9-20	9½ miles west	Ed. Gardner	-- Owens	--	--	--	--	--	--	--	--	C,W	S	--	--	--	Do.
M9-21	9½ miles west	do.	do.	--	--	--	--	--	--	--	--	C,W	S	--	--	--	Do.

Distance from La Pryor

N1-1	3½ miles northwest	W. C. Gilbert	E. L. Kite	1943	350	10	350	298	32	--	--	T,G	Irr	--	--	235	
N1-2	2½ miles northwest	Fritz Kral	do.	--	--	--	--	--	--	--	--	T,G	Irr	--	--	80	
N1-3	4 miles northwest	C. W. Aten	do.	1910	150	10-5/8	--	108	--	119.8	Dec. 23, 1929	C	D	--	--	0	Temp. 75½° F.
N1-4	do.	Geo. B. Pitts	do.	1910	165	10-5/8	--	108	--	119.9	do.	T,D, 25	D,S, Irr	45	21½	6	Do.
N1-5	3½ miles northwest	-- Grant	do.	1910	177½	10-5/8	178	103	--	--	--	C,W	D,S	40	0	--	Casing: 118-feet of 10-5/8-inch; 60 feet of 10-5/8-inch perforated with ½-inch holes. Reported used for irrigation until 1930. Log.

Well	Distance from La Pryor	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N1-6	4 miles northwest	B. F. Kite	E. L. Kite	1910	170	10-5/8	170	145	--	--	--	C,W	D,S	--	--	--	Casing: 110 feet of 10-5/8-inch; 60 feet of 10-5/8-inch perforated with 5/8-inch holes. Temp. 75 ^o F.
N1-7*	4 1/2 miles northwest	D.H.Monkhouse	do.	1912	175	10-5/8	161	100	--	112.0	Feb. 8, 1928	C,W	D,S	--	--	--	Casing: 121 feet of 10-5/8-inch; 40 feet of 10-5/8-inch perforated. Temp. 76 ^o F. Log.
N1-8*	4 miles northwest	W. Richey	B. F. Kite	1910	180	7-7/8	180	102	--	109.7	do.	T,D	N	--	--	--	Screen set from 100 to 180 feet. Temp. 75 1/2 ^o F.
N1-9	4 miles north	Cox Produce	do.	1928	240	--	--	--	--	--	--	T,E, 40	Irr	160	160	160	Temp. 76 ^o F.
N1-10	3 1/2 miles north	do.	do.	1928	225	12	--	--	--	--	--	T,E, 40	Irr	160	160	14	Do.
N1-11	do.	--	do.	1910	255	8-5/8	255	100	140	--	--	C,H	D	--	--	--	Casing: 95 feet of 8-5/8-inch; 160 feet of 8-5/8-inch perforated.
N1-12	do.	B. F. Kite	do.	1912	160	10-5/8	160	58	--	109.7	Jan. 3, 1928	C,W	D,S	--	--	--	
N1-13**	3 1/2 miles north	Bill House	Charley Lindenberg	1928	225	--	--	--	--	--	--	T,E	Irr	665	200	145	Used in conjunctio. with N1-33, N1-34, and N2-36 in 1929-30. Temp. 76 ^o F.
N1-14**	9 miles west	R. W. Norton	--	--	150	8	--	--	--	66.4	Mar. 30, 1930	C,W	S	--	--	--	Temp. 78 ^o F.
N1-15**	6 1/2 miles west	Mathews Ranch	L. F. Kite	1926	157	6	--	--	--	--	--	C,W	S	--	--	--	
N1-16**	6 miles west	do.	do.	1929	157	8	--	90	--	74.4	Mar. 26, 1930	C,W	S	--	--	--	Temp. 76 ^o F. Log.
N1-17**	5 miles west	do.	do.	1932	134	8	134	--	--	126.1	Jan. 27, 1930	C,W	S	--	--	--	
N1-18**	5 1/2 miles northwest	do.	--	--	--	--	--	--	--	--	--	C,W	D,S	--	--	--	
N1-20**	5 miles northwest	do.	--	--	--	--	--	--	--	--	--	C,W	S	--	--	--	
N1-21	3 miles northwest	A. R. Hibdon	B. F. Kite	1913	264	8-5/8	264	175	--	--	--	--	N	2	0	--	Casing: 204 feet of 8-5/8-inch; 60 feet of 8-5/8-inch perforated with 1/2-inch holes. Reported no irrigation for several years prior to 1937-38. Log.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from La Pryor	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N1-22	2½ miles northwest	Helena Noack	C. C. Richey	--	--	8	--	--	--	115.1	Jan. 4, 1930	--	Irr	--	--	80	
N1-23	2½ miles west	J. C. Williams	B. F. Kite	1917	350	12	350	250	--	--	--	T,D	Irr	10	0	--	Casing: 140 feet of 12½-inch; 210 feet of 10-inch perforated. Reported, in 1938, no irrigation since 1930.
N1-24	do.	do.	do.	1915	300	8	300	275	--	120.3	Dec. 23, 1929	C,W	D,S	--	--	--	Log.
N1-25	3¼ miles north	J. A. Lanning	L. F. Kite	1917	200	10	200	120	--	--	--	--	N	--	--	--	Casing: 140 feet of 10-inch; 60 feet of 10-inch perforated with ¼ and 1-inch holes. Log.
N1-26	3 miles north	do.	--	1912	229	10-5/8	229	120	--	--	--	C,W	--	--	--	--	Temp. 76° F.
N1-27	1½ miles north	do.	--	1912	369	10	253	315	--	--	--	T,E, 40	Irr	--	--	32	Casing: 233 feet of 10-inch; 20 feet of 8½-inch perforated.
N1-28	1½ miles northwest	A. R. Hibdon	--	1910	222	8	220	175	47	--	--	C,W	--	--	--	--	Screen from 160 to 220 feet. Water sand from 175 to 222 feet.
N1-29	2½ miles north	Ollie Hibdon	W. H. Rose	--	--	6	--	--	--	103.5	Jan. 4, 1930	--	N	--	--	--	
N1-30	3 miles north	J. P. Warren	B. F. Kite	1925	180	8	180	120	--	--	--	C,W	D,S	--	--	--	Casing: 140 feet of 8-inch; 40 feet of 8-inch perforated. Log.
N1-31	2½ miles north	-- Copenhaver	S.M.Gibbons	--	185	--	--	175	--	--	--	--	N	--	--	--	
N1-32	1½ miles north	C. & M. Produce Co.	Charley Lindenberg	1929	398	12½	300	302	--	--	--	T,E, 40	Irr	168	160	96	Casing: 158 feet 9-inch of 12½-inch; 152 feet of 10-inches of 10-inch casing. Temp. 80½° F.
N1-33	2½ miles north	-- Blinka	do.	1928	290	--	--	165	115	--	--	T,E, 40	Irr	--	940	152	
N1-34	2½ miles north	Geo. Kelley	do.	1928	295	12½	--	165	130	--	--	C,G	D	--	--	--	Temp. 78° F.
N1-35	do.	do.	--	--	275	--	--	135	140	--	--	--	N	--	--	--	Well would not produce enough water for irrigation. Abandoned.

Well	Distance from La Pryor	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N1-36	3 miles north	Geo. Kelley	Charley Lindenbern	1928	265	10	--	150	115	--	--	T,E, 40	Irr	--	--	71	
N1-37	1 1/4 miles north	R.W.McCarley	B. F. Kite	1929	347	--	--	245	95	--	--	T,E, 40	Irr	590	600	142	Temp. 78° F.
N1-38	1 1/4 miles north	Earl Harvey	do.	1926	380	10	376	280	95	--	--	T,G	Irr	--	--	110	Temp. 80° F. Log.
N1-39	8 1/2 miles west	R. W. Norton	Monroe Gibbons	1925	300	6	--	--	--	74.3	Jan. 25, 1930	C,W	S	--	--	--	
N1-40	2 miles southwest	I. T. Pryor	B. F. Kite	--	--	10	--	--	--	107.3	Jan. 4, 1930	C,W	S	--	--	--	
N1-41	1 1/4 miles southwest	Bertha Hester	do.	--	330	8	--	256	--	123.3	Dec. 23, 1929	--	N	--	--	--	
N1-42	1 1/4 miles west	I. T. Pryor Estate	C.C. Richey	1913	332	8	332	290	--	--	--	--	N	--	--	--	Casing: 317 feet of 8-inch; 15 feet of sand strainer.
N1-43	1 1/4 miles southwest	Homer P. Rainey	B. F. Kite	--	230	8-5/8	230	--	--	--	--	C,W	S	--	--	--	Casing: 190 feet of 8-5/8-inch; 40 feet of 6-5/8-inch perforated. Water sand from 200 to 230 feet. Bigford member (?).
N1-44	1 mile west	Helena Noack	do.	1912	193	8-5/8	190	--	--	--	--	C,D, 9	D,S	--	--	--	Casing: 133 feet of 8-5/8-inch; 30 feet of 6-5/8-inch perforated. Water sand from 135 to 193 feet. Bigford member (?).
N1-45	1/2 mile northwest	Paul Jessee	do.	1943	315	10-5/8	255	248	--	--	--	C,W	D,S	--	--	--	Perforated casing in sand. Deepened in 1943 by Kite. Log.
N1-46	In La Pryor	Epifinio Enriquez	do.	--	315	10-5/8	315	275	--	--	--	C,G, 1 1/2	D,S	--	--	--	
N1-47	do.	John Karl	S.M.Gibbons	--	376	--	--	--	--	--	--	C,D, 5	D,S	--	--	--	

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from La Pryor	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N1-48	¼ mile north	Bud Timberlake	C. C. Richey	1912	422	10-5/8	422	325	97	--	--	T, E, 30	Irr	--	--	0	Casing: 321 feet of 10-5/8-inch; 8¼-inch perforated through sand. Temp. 78° F.
N1-49*	In La Pryor	R. K. Miller	--	1927	520	10	520	460	--	129.3	Jan. 28, 1930	C, E, 7½	P	--	--	--	Casing: Length of 10-inch unknown; 425 feet of 6-5/8-inch; 60 feet of 6-5/8-inch perforated. Temp. 78° F.
N1-50	do.	do.	--	--	303	10	--	--	--	129.3	--	--	N	--	--	--	La Pryor's municipal well.
N1-51	do.	-- Wilson	B. F. Kite	1925	570	6	550	519	--	--	--	C, G, 5	D, S	--	--	--	Casing perforated with ¼-inch holes from 510 to 550 feet. Log.
N1-52	1¼ miles south	J. F. Kreuger	do.	1927	740	10	720	675	--	--	--	T, D, 32	N	--	--	--	Casing perforated with ¼-inch holes from 640 to 720 feet.
N1-53	1¼ miles south	J. A. Michalk	do.	1910	245	8	245	--	--	--	--	C, W	D, S	--	--	--	Casing: 165 feet of 8-inch; 40 feet of 8-inch perforated. Water sand from 210 to 245 feet. Bigford member (?). Log.
N1-54	do.	I. T. Pryor Estate	--	1909	100	6	--	--	--	91.9	Dec. 20, 1929	--	N	--	--	--	Obtains water from Leona formation.
N1-55	do.	do.	W. M. Mitchell	1909	800	8	726	720	60	--	--	C, W	S	--	--	--	Casing: 726 feet of 8-inch. Open hole through sand. Log.
N1-56*	2 miles south	T. L. Pitts	B. F. Kite	1925	230	6	230	--	--	91.6	Dec. 27, 1929	C, W	D, S	--	--	--	Casing: 190 feet of 6-inch; 40 feet 6-inch perforated with ¼-inch holes. Water from 200 to 230 feet. Bigford member (?). Temp. 78° F. Log.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County,--Continued

Well	Distance from La Pryor	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N1-57**	2½ miles south	T. J. Dube	B. F. Kite	1919	97	5	97	--	--	86.3	Dec. 27, 1929	C,W	D,S	--	--	--	Casing: 82 feet of 5-inch; 15 feet of 5-inch perforated. Water from Leona formation at 86 to 97 feet. Temp. 76° F. Log.
N1-58*	10 miles southwest	R. W. Norton	Munroe Fenley	--	202	6	202	--	--	61.3	Feb. 6, 1930	C,W	D,S	--	--	--	
N1-60	9½ miles southwest	do.	--	--	--	6	--	--	--	--	--	C,W	S	--	--	--	
N1-61	do.	do.	--	--	--	4	--	--	--	18.0	Feb. 6, 1930	--	N	--	--	--	Water reported salty.
N1-62	4 miles southwest	Mathews Ranch	B. F. Kite	1930	630	6	--	530	--	--	--	C,W	S	--	--	--	Temp. 80° F. Log.
N1-63**	5 miles southwest	G. Hardin	--	--	--	6	--	--	--	--	--	C,W	S	--	--	--	Do.
N1-64	6 miles west	R. W. Norton	B. F. Kite	--	490	6	482	440	--	--	--	C,W	S	--	--	--	Casing: 442 feet of 6-inch; 40 feet of 6-inch perforated with ¼-inch holes.
N1-65	8 miles south	G. Hardin	--	--	--	6	--	--	--	--	--	C,W	S	--	--	--	
N1-66*	4 miles south	Emma Mangum	L. F. Kite	1924	655	8	600	600	--	--	--	C,W	S	--	--	--	Casing: 560 feet of 8-inch; 40 feet of 8-inch perforated with ¼-inch holes. Log.
N1-67	7 miles south	do.	--	--	600	10	--	--	--	263.7	Oct. 23, 1929	C,W	S	--	--	--	
N1-68*	4½ miles west	-- Shaw	Cribbs & Davidson	1935	300	12	300	200	100	--	--	T,G, 40	D,S Irr	--	95	--	Casing: 200 feet of 12-inch; 100 feet of 12-inch perforated. Temp. 80° F., Dec. 23, 1947.
N1-69**	3½ miles northwest	W. Richey	B. F. Kite	1936	200	12	200	160	40	131.7	May 4, 1939	T,G, 40	Irr	--	185	40	Casing: 160 feet of 12-inch; 40 feet of 12-inch perforated.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from La Pryor	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N1-70**	3½ miles northwest	J. A. Lanning	B. F. Kite	1938	240	10	205	150	40	--	--	T,G	Irr	--	152	--	Casing: 165 feet of 10-inch; 40 feet of 10-inch perforated. Used in conjunction with N1-25.
N1-71	3 miles northwest	Bob Porter	--	1932	--	--	--	--	--	--	--	T,-	N	--	0	0	Reported in 1938, no irrigation since 1936.
N1-72**	2 miles north	A. E. Whitley	L. F. Kite	1932	410	10	373	310	40	110	1932	T,E, 40	Irr	--	--	180	
N1-73	4½ miles west	Mathews Ranch	E. L. Kite	1945	483	6	471	395	88	191.1	Dec. 27, 1946	C,W	D,S	--	--	--	
N1-74	3½ miles west	O. L. Grelle	J.E. & E.L Kite	1945	427	8	419	340	87	--	--	T,-	Irr	--	--	18	Log.
N1-75	2½ miles west	Sam Kone	E. L. Kite	1944	494	10	494	385	109	--	--	T,D	Irr	--	--	400	Do.
N1-76	do.	do.	do.	1944	450	10	450	354	96	--	--	T,D	Irr	--	--	400	
N1-77	do.	do.	do.	1943	360	10	360	324	36	--	--	T,D	Irr	--	--	400	
N1-78	2½ miles northwest	-- Chitwood	do.	1948	383	10	343	255	130	--	--	T,Ng	Irr	--	--	0	
N1-79	2½ miles northwest	J. A. Lanning Sr.	E. L. Kite	1944	323	10	323	257	66	--	--	T,E, 35	Irr	--	--	115	
N1-80	do.	Ollie Trees	do.	1945	246	6	240	194	52	105	Nov. 1946	T,G	Irr	--	--	40	
N1-81	2½ miles north	-- Copenhagen	O. F. Webb	1946	290	10	290	--	--	140	Mar. 1946	T,D, 78	Irr	--	--	160	
N1-82	3 miles north	M. Eaker	E. L. Kite	1945	245	8	224	163	82	--	--	T,E, 40	Irr	--	--	80	
N1-83	1 mile southwest	I. T. Pryor, Jr.	Roy Gibbon	Old	--	--	--	--	--	93.4	Dec. 27, 1948	C,W	S	--	--	--	Federal observation well. Railroad and stock pen well.
N1-84	2½ miles southwest	M. A. Garcia	do.	--	400	8	400	--	--	--	--	T,D, 50	Irr	--	--	100	
N1-85	3½ miles northwest	J. A. Lanning Sr.	E. L. Kite	1941	201	10	201	144	50	--	--	T,E, 40	Irr	--	--	--	
N1-86	3 miles northwest	A. R. Hibdon	do.	1948	338	8	300	175	153	170	Apr. 1948	T,G	Irr	--	--	80	
N1-87	1½ miles northwest	do.	do.	1947	404	10	330	318	86	--	--	T,E, 40	Irr	--	--	100	
N1-88	1 mile northwest	Paul Jessee	do.	1947	388	10	366	310	78	--	--	T,E	Irr	--	--	--	

Well	Distance from La Pryor	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thick-ness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N1-89	½ mile north	R. K. Miller	E. L. Kite	1947	449	6	400	--	--	--	--	T,E, 20	Irr, P	--	--	10	Irrigation and public supply for La Pryor. Old well cleaned out, deepened.
N1-90	½ mile south	W. C. Hunter	--	--	--	--	--	--	--	--	--	T,E, 40	Irr	--	--	80	
N1-92	7¼ miles west	Mathews Ranch	E. L. Kite	1923	335	--	--	--	--	--	--	C,W	S	--	--	--	Observation well.
N1-93	3½ miles north	Bill House	do.	1948	230	10	230	145	80	--	--	T,G, 35	Irr	--	--	235	
N1-94	4 miles northwest	E. H. Frelle	do.	1945	269	8	269	200	62	--	--	--	Irr	--	--	170	
N2-1	3 miles north	G. W. Beard	Charley Lindenberg	1928	275	12	275	160	110	--	--	T,G, 55	Irr	940	--	155	12-inch casing to top of sand, 10-inch perforated casing through sand. Temp. 77½° F.
N2-2	3¼ miles northeast	O. B. Sharp	do.	1928	235	12	235	140	90	--	--	C,W	D,S	--	--	--	12-inch casing to top of sand, 10-inch perforated casing through sand. Temp. 76½° F.
N2-3**	do.	do.	do.	1928	215	12	--	130	85	--	--	T,E, 40	Irr	--	1,340	25	Temp. 76° F.
N2-4*	3¼ miles northeast	-- Stanfield	B. F. Kite	1928	338	12	--	--	--	--	--	T,E, 40	Irr	--	--	113	Temp. 77° F.
N2-5	2¼ miles north	--	--	1930	1,818	--	--	190	175	--	--	--	N	--	--	--	Gas test. Casing pulled and well filled.
N2-6	do.	--	--	--	3,434	--	--	210	145	--	--	--	N	--	--	--	Do.
N2-7	3¼ miles northeast	Frank Burdette	W. H. Rose	1910	50	5-3/16	50	--	--	--	--	C,W	D,S	--	--	--	In Leona formation.
N2-8**	2 miles north	W. R. Holmes, Jr.	Charley Lindenberg	1928	376	--	--	232	138	--	--	T,E, 40	Irr	--	--	125	Temp. 78° F.
N2-9	2¼ miles northeast	do.	B. F. Kite	1912	256	10-5/8	256	229	--	140.2	Dec. 27, 1929	--	N	--	--	--	Abandoned and filled.
N2-10	1¼ miles northeast	W. R. Holmes, Sr.	Charley Lindenberg	1928	435	--	--	270	165	--	--	T,E, 40	Irr	--	--	155	Temp. 79° F.
N2-11*	2¼ miles northeast	W. M. Clark	--	--	123	8	--	--	--	--	--	C,H	D,S	--	--	--	Offset by new well by Kite. Sand from 107 to 123 feet. Bigford member (?)

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from La Pryor	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N2-12	1½ miles northeast	Newton Davis	B. F. Kite	1916	449	6	--	--	--	136.6	Dec. 27, 1929	C,W	D,S	--	--	--	
N2-13	3 miles east	Hope & Perkins	--	--	34	--	--	--	--	--	--	--	--	--	--	--	Dug, yields water from Leona formation at 27 to 34 feet.
N2-14	1½ miles southeast	-- Treybig	S.M.Gibbons	1909	298	--	--	--	--	--	--	C,W	D,S	--	--	--	Water reported lower after pumping ½ day.
N2-15	1½ miles southeast	Andy Able	B. F. Kite	--	139	8-5/8	139	--	--	--	--	C,W	S	--	--	--	Sand from 87 to 139 feet. Yield 30 gallons a minute. Bigford member (?).
N2-16	1½ miles southeast	J. B. Treybig	do.	1910	315	8-5/8	--	--	--	--	--	C,G, 7½	D,S	--	--	--	
N2-17	2½ miles southeast	Jimmie Hope	--	--	--	8	--	--	--	84.7	Dec. 20, 1929	C,W	S	--	--	--	
N2-18	3½ miles east	I. T. Pryor,	--	--	28	6	28	--	--	--	--	C,W	S	--	--	--	Water in gravel and sand at 11 to 28 feet. Casing perforated with ¼-inch holes from 8 to 28 feet. Reported test yield of 400 gallons a minute.
N2-19	6½ miles east	do.	--	1921	2,680	--	--	565	165	--	--	C,W	S	--	--	--	Gas test now used as stock well.
N2-20	3 miles northeast	Hargraves & Bingham	L.F. Kite	1930	325	10	211	240	85	110	1930	T,E, 40	Irr	--	--	88	
N2-21	2½ miles north	F. W. Gray	do.	1930	327	10	327	245	30	110	1930	T,E, 40	Irr	--	--	79	
N2-22	10½ miles east	T. R. Price	--	--	180	6	--	--	--	100.1	Jan. 24, 1946	C,W	D,S	--	--	--	Not Carrizo sand.

Well	Distance from La Pryor	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N2-23	1/4 mile southeast	Clarence H. Lemons	O. F. Webb	1946	617	10	617	530	85	--	--	T,Ng	Irr	--	--	98	
N2-24	do.	Kirby Attwood	J. E. Kite	1943	617	10	617	517	100	--	--	T,E, 40	Irr	--	--	380	Log.
N2-25	1 1/2 miles southeast	J.B. Treybig	J. E. & E. L. Kite	1943	686	10	686	595	89	--	--	T,-	Irr	--	--	160	
N2-26	1 1/2 miles southeast	do.	do.	1947	734	10	734	625	109	--	--	T,-	Irr	--	--		
N2-27	3 1/2 miles southeast	Emma Mangum	E. L. Kite	1948	52	12	52	--	--	28.5	Sept. 17, 1948	T,E, 15	Irr	--	--	0	Leona formation well.
N2-28	4 1/2 miles southeast	I.T.Pryor, Jr.	do.	1948	70	12	70	60	10	--	--	T,E, 15	Irr	--	--	--	McCallom Bros. leasee. (Leona formation).
N2-29	5 miles southeast	do.	--	1948	70	12	70	58	12	--	--	T,E, 15	Irr	--	--	--	Do.
N2-30	5 1/2 miles southeast	do.	--	1948	70	12	70	58	12	--	--	T,E, 15	Irr	--	--	900	Do.
N2-31	5 1/2 miles southeast	do.	E. L. Kite	1948	71	12	71	54	17	--	--	T,E, 20	Irr	--	--		Do.
N2-32	5 miles southeast	do.	--	1948	70	12	70	57	13	--	--	T,E, 20	Irr	--	--		Do.
N2-33	1/2 mile northeast	H. C. Brantley	I. C. Cribbs	--	462	10	462	--	--	--	--	T,Ng	Irr	--	--		
N2-34	do.	-- Brantley	E. L. Kite	1946	460	10	460	356	103	177.2	Sept. 17, 1948	T,O, 50	Irr	--	--	200	
N2-35	2 1/2 miles northeast	L. Collard	do.	1944	375	10	375	335	40	--	--	T,E, 40	Irr	--	--	160	
N2-36	2 1/2 miles northeast	W. F. Koehler	-- Kite	1947	367	10	360	--	--	--	--	T,E, 40	D,Irr	--	--	153	
N2-37	3 1/2 miles northeast	C. F. Mang	O. F. Webb	1946	470	10	470	200	120	--	--	T,E, 15	Irr	--	--	100	
N2-38	3 1/2 miles northeast	B. H. Atkinson	E. L. Kite	1946	226	8	220	154	72	90	June 1946	T,G, 50	Irr	--	--	150	
N2-39	2 1/2 miles northeast	W. S. Dickerson	do.	1946	378	10	378	258	130	--	--	T,G	Irr	--	--	153	
N2-40	2 1/2 miles northeast	O. L. Johnson	do.	1946	408	10	395	319	89	--	--	T,G	Irr	--	--	156	
N2-41	2 1/2 miles northeast	-- Boysen	O. F. Webb	1946	472	10	472	240	155	--	--	T,G	Irr	--	--	--	
N2-42	10 miles east	C. W. Cliff, Jr.	--	1949	--	--	--	--	--	--	--	T	Irr	--	--	--	Carrizo sand well. Not completed when visited.
N2-43	do.	Spring Bros.	-- Lassiter	1949	876	12	750	740	136	--	--	T,E, 75	Irr	--	--	--	

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County, Texas--Continued

Well	Distance from La Pryor	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N2-44	5 miles east	D. M. Pryor	Sun Oil Co.	1948	2,868	--	--	--	--	--		--	--	--	--	--	Oil test.
N2-45	3½ miles southeast	Ike T. Pryor	Humble Oil & Refining Co.	1944	5,862	--	--	--	--	--		--	--	--	--	--	Do.

Distance from Batesville

N3-1	1½ miles northwest	Carl White	--	1929	56	12	--	--	--	43.4	Nov. 30, 1929	T,G, 6	S	5	0	--	Leona formation well. Located on river terrace.
N3-2	1½ miles north	J. B. Reeves	-- Pate	1929	132	6	--	--	--	15	Feb. 5, 1930	C,W	D,S	5	0	--	Water sand from 110 to 120 feet. Log.
N3-3	do.	do.	--	--	45	--	--	--	--	30	do.	--	N	--	--	--	Caved in by flood waters and abandoned.
N3-4	¼ mile southwest	E. W. King	--	1928	45	5-5/8	54	--	--	43.2	Feb. 9, 1930	C,W	D,S	--	--	--	Leona formation well from 45 to 54 feet. Casing perforated from 45 to 54 feet. Temp. 72° F.
N3-5*	3 miles southeast	H. Willoughby	Herman Crawford	1937	60	12½	60	--	--	--	--	T,D, 25	Irr	--	--	--	Leona formation well. Bottom 20 feet of casing is perforated.
N3-6*	do.	do.	do.	1937	60	12½	60	--	--	--	--	T,D, 25	Irr	--	350	60	Do.
N3-7*	3½ miles southeast	do.	do.	1937	60	10	60	--	--	--	--	C,E	D	--	--	0	Do.
N3-8*	3½ miles southeast	do.	do.	1938	60	15½	60	--	--	--	--	T,D, 42	Irr	--	--	15	Do.
N3-9	2½ miles northwest	Mrs. -- Mundine	--	--	--	6	--	--	--	11.6	Jan. 16, 1946	C,W	D,S	--	--	--	Leona formation.
N3-10	1½ miles northwest	L. E. King	--	--	60	8	--	--	--	40.0	do.	C,W	D,S	--	--	--	Do.
N3-11	2 miles northwest	Ashton & Vickery	--	--	60	8	--	--	--	42.2	do.	C,W	D,S	--	--	--	Do.
N3-12	1½ miles northwest	P. C. Riddle	--	--	52	6	--	--	--	39.9	do.	C,W	D,S	--	--	--	Do.
N3-13	2 miles north	E. P. King	--	--	45	6	--	--	--	37.4	do.	None	N	--	--	--	Do.
N3-14	1½ miles north	A. L. Wilson	--	--	44	6	--	--	--	38.1	do.	C,W	D,S	--	--	--	Do.

Well	Distance from Batesville	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N3-15	1 1/4 miles northwest	J. B. Reeves	--	--	46	36	--	--	--	41.9	Jan. 16, 1946	C,H	D,S	--	--	--	Dug. Abandoned.
N3-16	1 1/4 miles north	do.	--	--	--	6	--	--	--	38.2	do.	C,W	D,S	--	--	--	Leona formation.
N3-17	1 1/4 miles northwest	-- Mobley	--	--	60	8	--	--	--	42.1	do.	C,W	D,S	--	--	--	Do.
N3-18	3/4 mile northwest	L. Loter	--	--	46	6	--	--	--	45.5	Mar. 20, 1946	None	N	--	--	--	Test well. No casing. Open hole.
N3-19	1 mile northwest	T. T. Nelson	--	--	60	10	--	--	--	45.2	Jan. 16, 1946	T,G	D,S, Irr	--	--	--	Leona formation.
N3-20	3/4 mile northwest	J.N.Sawyers, Jr.	--	--	54	8	--	--	--	45.2	Jan. 24, 1946	C,W	D,S	--	--	--	Do.
N3-21	do.	W. T. Turner	--	--	59	8	--	--	--	45.6	do.	C,W	D,S	--	--	--	Do.
N3-22	In Batesville	Zavala County	--	--	48	6	--	--	--	44.7	do.	C,W	N	--	--	--	Do.
N3-23	3/4 mile southwest	Joe Hunter	--	--	52	10	--	--	--	44.6	Jan. 23, 1946	C,W	D,S	--	--	--	Offset by another well.
N3-24	1 1/4 miles southwest	H. T. Christmas	--	--	49	8	--	--	--	45.2	do.	C,W	D,S	--	--	--	Leona formation.
N3-25	1 1/4 miles southwest	-- Ross	--	--	46	8	--	--	--	39.4	do.	C,W	S	--	--	--	Do.
N3-26	1 mile southwest	Jose Vasquez	--	--	44	48	--	--	--	43.4	Jan. 24, 1946	None	N	--	--	--	Dug. Leona formation.
N3-27	3/4 mile south	R. T. Rhodes	--	--	55	6	--	--	--	44.3	Jan. 23, 1946	C,W	D,S	--	--	--	Leona formation.
N3-28	3/4 mile southwest	Dave Valentine	--	--	51	6	--	--	--	44.0	do.	C,W	D,S	--	--	--	Do.
N3-29	3/4 mile southeast	T. Nelson	--	--	46	48	--	--	--	45.9	Jan. 24, 1946	None	N	--	--	--	Dug. Leona formation.
N3-30	do.	M. Ortiz	--	--	53	48	--	--	--	48.6	do.	None	N	--	--	--	Do.
N3-31	3/4 mile southeast	A. Ross	--	--	54	6	--	--	--	43.7	do.	C,W	D,S	--	--	--	Leona formation.
N3-32	3/4 mile southeast	-- Ross	--	--	84	8	--	--	--	35.4	do.	--	D	--	--	--	Do.
N3-33	3/4 mile northeast	Jim West	--	--	51	48	--	--	--	40.9	Jan. 17, 1946	C,W	D,S	--	--	--	Dug. Leona formation.
N3-34	1 mile southeast	Bob Sheffield	--	--	61	12	--	--	--	53.4	Jan. 23, 1946	C,W	D,S	--	--	--	Leona formation.
N3-35	1 1/4 miles southeast	Ensbio Rodrigues	--	--	--	48	--	--	--	53.9	do.	--	N	--	--	--	Abandoned when visited Mar. 7, 1949.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County -- Continued

Well	Distance from Batesville	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N3-36	1½ miles southeast	Steven Torres	--	--	55	48	--	--	--	53.9	Jan. 23, 1946	--	D	--	--	--	Dug. Leona formation.
N3-37	do.	Santos Nava	--	--	54	48	--	--	--	53.3	do.	--	D	--	--	--	Do.
N3-38	2 miles southeast	-- Brubeck	--	--	60	6	--	--	--	50.9	Jan. 17, 1946	None	N	--	--	--	Abandoned.
N3-39	do.	do.	--	--	--	--	--	--	--	50.8	do.	T,G	Irr	--	--	--	Leona formation.
N3-40	2½ miles southeast	Lewis Caldwell	--	--	--	--	--	--	--	--	--	T,G	Irr	--	--	--	Do.
N3-41	do.	-- Brubeck	--	--	60	--	--	--	--	50.4	Jan. 17, 1946	T,G	Irr	--	--	--	Do.
N3-42	2½ miles southeast	Lewis Caldwell	--	--	60	6	--	--	--	44.0	do.	C,W	D,S	--	--	--	Do.
N3-43	do.	-- Brubeck	--	--	--	--	--	--	--	--	--	T,G	Irr	--	--	--	Do.
N3-44	do.	do.	--	--	60	--	--	--	--	48.0	Jan. 17, 1946	T,G	Irr	--	--	--	Do.
N3-45	3¼ miles southeast	R. Willoughby	--	--	58	6	--	--	--	41.5	Jan. 23, 1946	None	S	--	--	--	Do.
N3-46	2½ miles southeast	do.	--	--	60	12	--	--	--	44.0	do.	None	N	--	--	--	Do.
N3-47	do.	Spring Bros.	--	--	60	6	--	--	--	43.7	Jan. 17, 1946	C,H	D	--	--	--	Do.
N3-48	do.	do.	--	--	--	--	--	--	--	--	--	T	Irr	--	--	--	Do.
N3-49	3¼ miles south	-- Cassin	--	--	40	6	--	--	--	33.0	Jan. 23, 1946	C,W	S	--	--	--	Do.
N3-50	do.	do.	--	--	62	6	--	--	--	39.1	do.	C,W	D,S	--	--	--	Do.
N3-51	3¼ miles south	Leona Farms	--	--	--	--	--	--	--	--	--	T,E	Irr	--	--	--	Do.
N3-52	do.	do.	--	--	60	12	--	--	--	40.1	Jan. 17, 1946	T,E	Irr	--	--	230	Do.
N3-53	3¼ miles southeast	R. Willoughby	--	--	--	--	--	--	--	--	--	None	N	--	--	--	Do.
N3-54	do.	do.	--	--	--	--	--	--	--	--	--	T,E	Irr	--	--	--	Do.
N3-55	do.	do.	--	--	--	--	--	--	--	--	--	T,E	Irr	--	--	--	Do.
N3-56	3¼ miles southeast	do.	--	--	--	6	--	--	--	37.2	Jan. 23, 1946	C,G	S	--	--	--	Do.
N3-57	4 miles southeast	W. A. Davis	--	1946	60	16	--	--	--	38.9	do.	T,E	Irr	--	--	500	Do.
N3-58	do.	do.	--	1946	61	--	--	--	--	38.9	do.	T,E	Irr	--	--	--	Do.

Well	Distance from Batesville	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N3-59	5½ miles southeast	Ottenhouse Ranch	--	--	56	8	--	--	--	30.3	Jan. 30, 1946	C, W	S	--	--	--	Leona formation.
N3-60	do.	do.	--	--	47	6	--	--	--	26.5	do.	C, W	D, S	--	--	--	Do.
N3-61	6¼ miles southeast	Geo. West	--	--	26	6	--	--	--	19.8	do.	C, W	S	--	--	--	Do.
N3-62	7 miles southeast	do.	--	--	237	8	--	--	--	23.5	do.	C, W	S	--	--	--	Reported salty. Bigford member(?).
N3-63	8 miles southeast	C. N. Carmichael	--	--	33	8	--	--	--	21.2	do.	C, W	D, S	--	--	--	Leona formation.
N3-64	9¼ miles southeast	Geo. West	--	--	52	8	--	--	--	44.8	do.	C, W	S	--	--	--	Reported bad water.
N3-65	7 miles southeast	E. Barkley	John Sellars	1948	71	12	71	--	--	--	--	T, E, 20	Irr	--	--	--	Leona formation.
N3-66	7¼ miles southeast	do.	do.	1948	68	12	68	--	--	--	--	T, E, 15	Irr	--	--	--	Do.
N3-67	6¼ miles southeast	do.	do.	1948	61	12	61	--	--	--	--	T, E, 30	Irr	--	--	200	Do.
N3-68	6¼ miles southeast	do.	B. Locke	1947	68	12	68	--	--	--	--	T, E, 15	Irr	--	--	100	Do.
N3-69	5¼ miles southeast	do.	John Sellars	1948	77	12	77	--	--	--	--	T, E, 40	Irr	--	--	--	Do.
N3-70	do.	do.	do.	1948	60	12	60	--	--	--	--	T, E, 20	Irr	--	--	300	Do.
N3-71	do.	W. Price	P. Hine	1947	73	12	67	--	--	--	--	T, E	Irr	--	--	--	Do.
N3-72	4¼ miles southeast	R. W. Willoughby	do.	1948	67	14	67	--	--	--	--	T, E	Irr	--	--	60	Do.
N3-73	3¼ miles southeast	W. A. Davis	do.	1948	60	12	60	--	--	--	--	T, E	Irr	--	--	160	Do.
N3-74	3¼ miles southeast	R. W. Willoughby	do.	1948	60	12	60	--	--	--	--	T, E	Irr	--	--	104	Do.
N3-75	3¼ miles southeast	do.	do.	1948	60	12	60	--	--	--	--	T, E, 15	Irr	--	--	50	Do.
N3-76	3¼ miles southeast	W. A. Davis	do.	1948	60	12	60	--	--	--	--	T, E	Irr	--	--	75	Do.
N3-77	4 miles southeast	do.	do.	1948	60	12	60	--	--	--	--	T, E	Irr	--	--	0	Do.
N3-78	4¼ miles southeast	do.	do.	1948	60	12	60	--	--	--	--	T, E	Irr	--	--	0	Do.
N3-79	do.	do.	do.	1948	60	12	60	--	--	--	--	T, E, 15	Irr	--	--	75	Do.
N3-80	3¼ miles southeast	R. W. Willoughby	do.	1948	67	14	67	49	18	--	--	T, E, 30	Irr	--	--	15	Do.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Batesville	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N3-81	3½ miles south	N. Foley	--	--	--	--	--	--	--	--	--	T,E	Irr	--	--	--	Leona formation.
N3-82	do.	do.	--	--	--	--	--	--	--	--	--	T,E	Irr	--	--	250	Do.
N3-83	do.	do.	P. Hine	1947	56	12	56	12	48	--	--	T,E, 30	Irr	--	--		Do.
N3-84	do.	do.	--	--	--	--	--	--	--	--	--	T,E	Irr	--	--	250	Do.
N3-85	3¼ miles south	Leona Farms	--	--	--	--	--	--	--	--	--	T,E	Irr	--	--	330	Do.
N3-86	2¼ miles southeast	Felton Fitch	--	1947	60	12	60	--	--	--	--	T,E, 25	Irr	--	--	--	Do.
N3-87	2 miles southeast	do.	--	1947	60	12	60	--	--	--	--	T,E, 25	Irr	--	--	400	Do.
N3-88	do.	do.	-- Lassiter	1948	920	12	920	700(?)	--	--	--	T,E	Irr	--	--	--	Do.
N3-89	1½ miles southeast	do.	--	1947	60	12	60	--	--	--	--	T,E, 10	Irr, D	--	--	350	Used for irrigation in 1947-48. Domestic only in 1949. Leona formation.
N3-90	2¼ miles south	do.	--	1947	60	12	60	--	--	--	--	T,E, 25	Irr	--	--	--	Leona formation.
N3-91	do.	do.	--	1947	60	12	60	--	--	--	--	T,E, 25	Irr	--	--	--	Do.
N3-92	2¼ miles south	E. W. Cassin	P. Hine	1947	60	12	60	--	--	--	--	T,G	Irr	--	--	--	Do.
N3-93	do.	do.	do.	1947	60	12	60	--	--	----	--	T,E, 20	Irr	--	--	265	Do.
N3-94	1½ miles south	H. R. Wood	B. Locke	--	--	--	--	--	--	--	--	T,E	Irr	--	--	--	Do.
N3-95	do.	do.	--	--	--	--	--	--	--	--	--	T,E	Irr	--	--	190	Do.
N3-96	do.	do.	--	1947	60	12	60	--	7	--	--	T,E, 10	D,S	--	--	--	Do.
N3-97	1½ miles south	do.	B. Locke	1947	60	12	60	--	7	--	--	T,E, 20	Irr	--	--	40	Do.
N3-98	do.	do.	do.	1946	60	12	60	--	7	--	--	T,E, 10	Irr	--	--	40	Abandoned 1949. Leona formation.
N3-99	2 miles southwest	C.W. Cliff, Jr.	do.	1948	900	12	--	--	200	43.8	Nov. 1947	T,E, --	Irr	--	--	520	Casing: 0-135,200-700.

Well	Distance from Batesville	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N3-100	1 1/4 miles southwest	C.W.Cliff, Jr.	B. Bishop	1937	57	12	57	51	6	--	--	T, E, 10	Irr	--	--	--	Leona formation.
N3-101	do.	do.	do.	1947	55	12	55	50	5	--	--	T, E, 75	Irr	--	--	520	Do.
N3-102	do.	do.	B. Locke	1947	55	12	55	50	5	--	--	T, E, 75	Irr	--	--	--	Do.
N3-103	1/2 mile northwest	do.	B. Bishop	1947	57	12	57	50	7	--	--	T, Ng, 25	Irr	--	--	50	Do.
N3-104	do.	do.	P. Hine	1947	60	10	60	53	7	--	--	T, E, 15	Irr	--	--	56	Do.
N3-105	1 mile northwest	do.	B. Locke	1948	67	15	67	52	15	--	--	T, E, 30	Irr	--	--	200	Do.
N3-106	do.	do.	P. Hine	1947	65	12	65	52	13	--	--	T, E, 25	Irr	--	--	--	Do.
N3-107	1/2 mile southwest	-- Hunter	W. Seyler	1946	56	12	56	50	6	--	--	T, Ng, 25	Irr	--	--	60	Do.
N3-108	3 1/4 miles southeast	W. A. Davis	P. Hine	1948	60	12	60	--	--	--	--	T, G, 30	Irr	--	--	--	Do.
N3-109	5 miles southeast	-- Shelton	J. Sellars	1948	71	16	71	57	14	--	--	T, E, 40	Irr	--	--	--	Do.
N3-110	5 1/2 miles southeast	W. Price	-- Crawford	1948	72	16	72	--	4	--	--	T, E, 15	Irr	--	--	--	Do.
N3-111	5 1/2 miles southeast	-- Shelton	J. Sellers	1948	72	12	72	--	--	--	--	T, E, 20	Irr	--	--	--	Do.
N3-112	6 1/2 miles southeast	-- Barkley	do.	1948	72	16	75	61	14	--	--	T, E	Irr	--	--	--	Do.
N3-113	3 1/2 miles southeast	Spring Bros.	do.	1948	70	12	70	--	--	--	--	T, E, 20	Irr	--	--	--	Do.
N3-114	3 1/2 miles southeast	do.	do.	1948	68	12	68	56	12	--	--	T, E, 20	Irr	--	--	--	Do.
N3-115	4 miles southeast	do.	do.	1948	73	12	73	60	13	--	--	T, E	Irr	--	--	--	Do.
N3-116	2 1/2 miles southeast	R. E. Brubeck	V.M.Marks	1949	925	12	752	670	245	114	Jan. 1949	T, -	Irr	--	--	--	
N3-117	4 miles south	N. Foley	Carl Vickers	1948	1,005	12	1,005	767	243	--	--	T, E, 75	Irr	--	--	--	
N3-118	4 1/2 miles southwest	-- Morgan	--	1949	--	--	--	--	--	--	--	--	Irr	--	--	--	Not completed when visited.
N3-119	1 1/2 miles south	H. R. Wood	--	1947	900	12	900	700	200	--	--	T, G, 140	Irr	--	--	190	
N3-120	do.	do.	-- Lassiter	1948	910	12	830	700	210	105	Oct. 1948	T, G, 145	Irr	--	--	--	

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Batesville	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks	
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)		
N3-121	6 miles southeast	W. Price	-- Crawford	1949	72	12	72	--	--	--	--	--	Irr	--	--	--	Not completed when visited. Leona formation.	
N3-122	5½ miles southeast	do.	do.	1948	74	12	74	--	4	--	--	T, E, 15	Irr	--	--	--	Leona formation.	
N3-123	2½ miles southeast	-- Saunders	--	1949	--	--	--	--	--	--	--	--	Irr	--	--	--	Not completed when visited.	
N3-124	4 miles southeast	do.	--	1949	--	--	--	--	--	--	--	--	Irr	--	--	--	Do.	
Distance from Crystal City																		
N4-1	13¾ miles northwest	R. W. Norton	--	--	--	6	--	--	--	--	--	--	C, W	S	--	--	--	Old well. Reported flowing until 1920.
N4-2	13 miles northwest	do.	B. F. Kite	--	400	6	--	--	--	--	--	--	C, W	D, S	--	--	--	
N4-3	10½ miles northwest	do.	--	--	150	6	--	--	--	--	--	--	C, W	S	--	--	--	
N4-4	10 miles north	H. A. Nash	--	1927	803	12½	803	643	121	152	Jan. 16, 1928	T, D, 40	D, S,	0	10	80	Casing: 203½ feet of 12½-inch; 305 feet of 8½-inch; 308½ feet of 6-5/8-inch perforated. Both reductions made with swedge nipples. Log.	
N4-5	10 miles northwest	R. W. Norton	-- Dawson	1909	641	6	--	600	--	--	--	--	C, W,	D, S	--	--	--	Reported flowing until 1924.
N4-6	7 miles north	Thomas H. Davidson	R. E. Homer	1912	838	8½	640	666	--	--	--	--	N	--	--	--		
N4-7	do.	do.	do.	1911	232	8½	180	--	--	--	--	--	N	--	--	--	Yields salt water from 180 to 232 feet. Bigford member (?).	

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N4-8	6½ miles north	--	R. E. Homer	1911	923	8½	727	--	--	--	--	T,-	N	3	0	--	Reported in 1938, no irrigation for several years.
N4-9	9 miles northwest	R. W. Norton	--	1907	--	6	--	--	--	53.4	Feb. 6, 1930	C,W	S	--	--	--	Reported flowing until 1924.
N4-10	do.	do.	--	1911	746	6	510	490	250	--	--	C,W	S	--	--	--	Do.
N4-11	8½ miles northwest	do.	--	1911	741	6	741	480	240	--	--	C,W	D,S	--	--	--	Reported flowing until 1924. 483 feet of 6-inch casing and 285 feet of 4-inch perforated casing.
N4-12	7½ miles west	S. B. Carr	-- Harris	1912	500	8	--	--	--	47.7	Dec. 27, 1929	--	N	60	60	--	Reported static head 20 feet above ground when drilled.
N4-13	7 miles west	do.	Cribbs & Davidson	1928	766	10	766	574	192	--	--	T,D, 25	D,S, Irr	190	137	200	Casing: 546 feet of 10-inch; 230 feet of 8-inch perforated. Log.
N4-14	6½ miles northwest	Keller Farm	do.	1928	820	10	565	600	220	64	Nov. 15, 1938	T,D, 25	D,S, Irr	105	150	--	Casing: 309 feet of 10-inch; 256 feet of 8-inch. Temp. 86° F.
N4-15	6½ miles west	do.	--	1912	704	8	704	--	--	--	--	T,D, 25	D,S, Irr	38	145	515	Temp. 87° F.
N4-16	7 miles northwest	E. D. Watrus	E.L.Johnson	1912	700	6-5/8	--	--	--	--	--	--	N	77	0	---	Reported casing corroded through and water became too highly mineralized for irrigation in 1930.
N4-17	6 miles northwest	L.M.Davenport	Cribbs & Davidson	1928	682	10	682	605	---	--	--	C,H	D,S	50	0	--	Casing: 264 feet of 10-inch; 536 feet of 8-inch; 144 feet of 6-5/8-inch liner. Reported in 1938, no irrigation since 1935. Temp. 86° F.
N4-18	5½ miles northwest	S. Guyler	Holland & Dawson	1911	700	6	600	687	---	--	--	T,G	S, Irr	57	10	0	Casing: 360 feet of 6-inch; 100 feet of 5-inch. Temp. 87° F.
N4-19	do.	do.	E.L.Johnson	1911	700	5	--	--	--	71.4	Dec. 23, 1929	--	N	50	0	--	Reported, in 1938, no irrigation since 1932.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased to top (ft.)	Depth to top of Carrizo sand (ft.)	Thickness of Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N4-20	6 miles northwest	S. Guylor	Cribbs & Davidson	1927	652	10	652	592	--	--	T, G	Irr	110	0	250	Casing: 251 feet of 10-inch; 300 feet of 8-inch; 147 feet of 6-5/8-inch perforated. Reported no irrigation 1934-38.	
N4-21	do.	do.	Dawson & Holland	1910	707	4	540	--	--	79.6	Dec. 23, 1929	N	--	--	--	Casing: 360 feet of 4-inch; 180 feet of 3-inch.	
N4-22	5 1/2 miles northwest	do.	Cribbs & Davidson	1927	828	8	828	591	237	70.0	do.	D, S	50	0	0	Casing: 272 feet of 8-inch; 280 feet of 6-5/8-inch; 290 feet of 5-inch perforated.	
N4-23	6 miles northwest	Franklin Rutledge	do.	1928	812	10	812	650	--	--	T, G, S, 60	S, Irr	105	40	50	Casing: 240 feet of 10-inch; 383 feet of 8-inch; 185 feet of 6-5/8-inch perforated. Used in conjunction with N4-24.	
N4-24	5 1/2 miles northwest	do.	--	1905	910	10	720	720	185	--	--	D, S, Irr	--	--	70	Temp. 88° F.	
N4-25	4 1/2 miles northwest	Jack Chinn	--	--	960	--	--	--	--	--	--	D, S	100	20	0		
N4-26	4 1/2 miles northwest	Andrew Miller	I. L. Dingman	1928	975	12 1/2	975	710	240	--	--	D, S	70	65	0	Casing: 200 feet of 12-inch; 506 feet of 8-inch; 6-5/8-inch perforated opposite sand. Apparently not used in 1947-48.	
N4-27	4 1/2 miles north	Guy Webb	Cribbs & Davidson	1929	950	10	950	760	190	--	--	D, S, Irr	160	54	100	Casing: 331 feet of 10-inch; 411 feet of 8-inch; 225 feet of 6-inch perforated.	

Table 1. - Records of wells in Dimock and Corralles and Carrizosa Counties, California

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizosa sand (ft.)	Thickness Carrizosa sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N4-28	5 miles north	F. W. Pulliam	Cribbs & Davidson	1928	950	12	950	650	260	122	Oct. 3, 1929	T, Ng, 70	Irr	240	0	100	Casing: 274 feet of 12-inch; 10-inch to 634 feet; 328 feet of 8½-inch perforated.
N4-29	4½ miles north	R. C. Donnell	I. L. Dingman	1927	976	12½	976	743	147	86.9	Dec. 23, 1929	T, D, 25	D, S, Irr	90	90	7	Casing: 220 feet of 12½-inch; 417 feet of 8½-inch; 369 feet of 6-5/8-inch blank and perforated.
N4-30	4½ miles north	F. W. Pulliam	--	1926	967	12½	967	--	--	--	--	T, E, 50	D, S, Irr	165	322	230	Casing: 250 feet of 12½-inch; 8½-inch to sand; 6-5/8-inch opposite sand. Temp. 85° F.
N4-31	9½ miles west	John Flanagan	Harry Bowers	1910	582	6-7/8	582	300	--	39	June 1929	T, D, 15	Irr	40	0	30	Reported no irrigation from 1932-38.
N4-32	6½ miles west	Bruce Holsenback	Cribbs & Davidson	1928	680	10	680	454	226	--	--	T, D, 36	D, S, Irr	150	150	--	Casing: 214 feet of 10-inch; 240 feet of 8-inch; 226 feet of 6-5/8-inch perforated.
N4-33	3½ miles northwest	Ferris & Lentz	do.	1927	939	10	939	740	199	--	--	T, D, 55	D, S, Irr	60	38	38	Casing: 10-inch, 8-inch and 6-5/8-inch perforated. Temp. 88° F.
N4-34	3½ miles north	W. Y. Giesler	Floyd Trimm	1927	1,035	12½	1,035	750	280	126	Oct. 3, 1929	T, D, 60	D, S, Irr	115	350	150	Casing: 240 feet of 12½-inch; 510 feet of 10-inch; 280 feet of 8-inch perforated. Temp. 90° F.
N4-35	2½ miles north	Ben Cowden	--	1914	985	18	985	--	--	--	--	T, D, 75	D, S, Irr	320	0	320	Casing: 75 feet of 18-inch; 200 feet of 8-inch; 85 feet of 6-5/8-inch perforated. Temp. 88° F.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N4-36	3½ miles north	John W. Laird	Tom Leary	1912	966	6	--	790	--	98.7	Dec. 16, 1929	T,D, 20	D,S, Irr	--	30	60	Temp. 87° F. Log.
N4-37	do.	-- Coates	Dawson & Balch	1908	1,400	6	800	--	--	--	--	T,G	--	60	40	0	Not used in 1947-48.
N4-38	10½ miles west	F. M. Dunkle	--	1905	450	8	--	--	--	17.5	June 18, 1930	T,O, 25	D,S, Irr	45	76	60	Reported flowing in summer of 1927.
N4-39	do.	L.D. Van Cleave	--	--	--	--	--	--	--	--	--	C,W	D,S	14	0	0	Reported no irrigation 1930-38.
N4-40	do.	Eugene Green	Geo. Leonard	1914	562	6½	562	--	--	--	--	T,D, 15	D,S, Irr	13	42	35	
N4-41	8 miles west	R. A. Gunther	--	1910	400	10	--	--	--	17.8	Oct. 30, 1929	T,D, 25	D,S, Irr	--	146	450	Casing: 4-inch set inside of 10-inch.
N4-42	do.	do.	A. Coe	1908	660	6½	--	520	--	--	--	T,D	D,S, Irr	30	78	--	Reported flowing in 1928. Temp. 82° F.
N4-43	7½ miles west	do.	A. Coe & Geo. Leonard	1909	606	8½	500	--	--	9.5	Oct. 30, 1929	--	N	--	--	--	Do.
N4-44	4½ miles west	M. Balsamo Estate	Cribbs & Davidson	1928	810	12	810	650	--	--	--	T,G, 42	D,S, Irr	720	0	0	Reported in 1938 no irrigation since 1933. Used in conjunction with lake pump during drought. Temp. 84° F.
N4-45	3 miles west	Byrd Cattle Co.	--	1928	925	10	--	540	375	--	--	T,-	N	480	0	0	Casing: 200 feet of 10-inch; 340 feet of 8-inch. Reported no irrigation for several years prior to 1937-38.
N4-46	do.	K. & M. Ranch	Cribbs & Davidson	--	948	10	948	810	150	91.0	Dec. 14, 1928	T,Ng, 82	Irr	156	105	200	Casing: 754 feet of 10-inch; 198 feet of 8½-inch perforated. Temp. 88° F.

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N4-47	2½ miles west	Roy Barker	Cribbs & Davidson	1928	948	10	948	800	150	--	--	T,G, 65	D,S, Irr	190	100	190	Casing: 600 feet of 10-inch; 200 feet of 8-inch; 148 feet of 8-inch perforated.
N4-48	2½ miles west	Dick Prassel	Tom Leary	1912	1,015	8	1,015	897	--	--	--	T,D, 42	D,S, Irr	203	160	--	Casing: 650 feet of 8-inch; 365 feet of 6-inch; length of perforated unknown.
N4-49	1½ miles northwest	A. Fehlis	J. P. Jones	1918	976	6	976	--	--	--	--	T,Ng, 25	D,S, Irr	80	161	160	
N4-50	2½ miles northwest	W. Bookout	Cribbs & Davidson	1928	960	10	960	814	136	--	--	T,Ng, 40	D,S, Irr	95	60	60	Casing: 254 feet of 10-inch; 554 feet of 8-inch; 160 feet of 6-5/8-inch perforated.
N4-51	1½ miles northwest	C. A. Harrel	Tom Leary	1914	967	8	967	--	--	--	--	T,D, 20	D,S, Irr	--	30	80	Temp. 88° F.
N4-52	1½ miles northwest	Bill Rutledge	J.N.Lawson	1910	983	6	983	--	--	--	--	T,D, 25	D,S, Irr	70	0	45	Casing: 898 feet of 6-inch; 85 feet of 5-3/16-inch perforated.
N4-53	3½ miles northwest	Julius DeWinie	Cribbs & Davidson	1933	960	10	960	760	200	--	--	T,D, 30	N	--	120	0	Casing: 740 feet of 10-inch; 231 feet of 8½-inch perforated.
N4-54	3½ miles northwest	J.B.McKnight	do.	1929	906	10	906	775	131	--	--	T,E	N	--	0	0	Casing: 370 feet of 10-inch; 401 feet of 8-inch; 153 feet of 6-5/8-inch perforated set with lead seal. Reported in 1938 no irrigation since 1936.
N4-55	7 miles west	D.C.Mandell	do.	1934	703	10	703	520	165	60	Dec. 8, 1937	T,G, -85	D,S, Irr	--	200	300	Casing: 517 feet of 10-inch; 193 feet of 8-inch perforated. Log.
N4-56	9 miles west	Owen Williams	do.	1938	520	10	520	380	140	--	--	T,D, 15	Irr	--	0	160	Casing: 133 feet of 10-inch; 247 feet of 8½-inch set with swage nipple.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N4-57	9 miles west	Oscar Poppa	--	--	--	--	--	--	--	--	--	T,D, 25	S	--	--	--	Reported in 1938, no irrigation since 1936.
N4-58	8½ miles northwest	D. C. Mandell	I. C. Cribbs	1945	680	12	680	495	150	--	--	T,D	Irr	--	--	250	Log.
N4-59	7½ miles west	R. A. Guenther	do.	1946	635	10	635	450	185	--	--	T,G, 45	Irr	--	--	450	
N4-60	11 miles west	G. C. Marshall	--	1914	380	17	380	--	--	--	--	T,O, 70	D,S, Irr	--	--	130	300 (?) total supplemented by surface water.
N4-61	11 miles northwest	Sam Guyler	I. C. Cribbs	1946	985	12	985	--	--	--	--	T,Ng, 145	Irr	--	--	140	
N4-62	9 miles northwest	do.	--	1927	--	--	--	--	--	--	--	T,-	Irr	--	--	450	
N4-63	8½ miles northwest	Rosa-Wolf No. 1	Humble Oil & Refining Co.	1941	6,889	--	--	--	--	--	--	--	--	--	--	--	Oil test.
N4-64	6½ miles north	Cross-S Ranch No. 3	The Texas Co.	1947	3,365	--	--	--	--	--	--	--	--	--	--	--	Do.
N5-1	8½ miles north	-- Spencer	Cribbs & Davidson	--	827	10	827	659	166	--	--	T,G	D,Irr	315	0	225	Casing: 282 feet of 10-inch; 368 feet of 8½-inch; 181 feet of 6-5/8-inch perforated. Reported, in 1938, no irrigation since 1934. Supplemented by river water.
N5-2	9 miles north	Bud Cuyler	L. L. Dingman	1928	954	12½	954	744	186	--	--	T,D, 60	D,S, Irr	250	364	200	Casing: 248 feet of 12½-inch; 359 feet of 8½-inch; 371 feet of 6-5/8-inch perforated. River water supplies.
N5-3	do.	Sol Freed	--	--	--	8½	--	--	--	72.0	Nov. 22, 1929	--	N	--	0	--	
N5-4	8½ miles north	A. J. Plummer	Tom Leary	1913	987	6	987	794	152	72.6	do.	--	N	--	--	--	
N5-5	do.	Sweeney & Newton	R. E. Homer	1910	990	8½	990	720	270	--	--	--	N	--	--	--	Casing: 757 feet of 8½-inch; 243 feet of 7½-inch perforated.

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
V5-6	8 1/2 miles northeast	Sol Freed	--	--	--	6	--	--	--	69.7	Nov. 22, 1929	C,W	S	--	--	--	
V5-7	9 1/2 miles northeast	do.	Pat McQuirt	1929	1,001	8	--	--	--	66.8	do.	T,-	Irr	0	0	160	Temp. 89° F.
V5-8	10 miles northeast	Sweeney & Newton	--	--	3,010	--	--	965	55	--	--	--	N	--	--	--	Oil test, abandoned and filled.
V5-9	7 miles north	W.E.Richardson	Cribbs & Davidson	1928	858	10	858	675	178	--	--	T,E, 30	D,S, Irr	130	0	100	Casing: 251 feet of 10-inch; 430 feet of 8-inch; 200 feet of 6-5/8-inch perforated. Temp. 79° F. Log.
V5-10	do.	G. Puente	-- Morgan	1910	985	8 1/2	--	--	--	68.5	Nov. 29, 1929	T,E, 30	S, Irr	0	80	50	
V5-12	6 1/2 miles north	W.C.Hardaway	do.	1911	965	6	965	748	144	--	--	T,E, 20	Irr	--	40	--	Casing: 840 feet of 8-inch; 125 feet of 4-inch perforated.
V5-13	7 1/2 miles north	Mrs. Margarite D. Rutledge	--	--	--	8	--	--	--	70.4	Nov. 20, 1929	--	N	--	--	--	
V5-15	6 1/2 miles north	Mrs. -- Hyman	--	--	--	8 1/2	--	--	--	85.8	Nov. 23, 1929	--	N	--	--	--	
V5-16	7 1/2 miles northeast	F. Newton	Hardy Robinson	1911	906	8 1/2	906	702	192	92.2	do.	T,G, 24	Irr	41	0	700	Casing: 702 feet of 8 1/2-inch; 204 feet of 8 1/2-inch perforated. Reported, in 1938, no irrigation since 1936. Used in conjunction with N5-99.
N5-17	6 miles north	-- McLean	do.	1911	925	8	--	--	--	--	--	--	N	80	0	--	
N5-18	6 1/2 miles northeast	L.J.Mazzoni	I.L.Dingman	1928	955	12 1/2	955	758	172	--	--	T,E, 40	D,S, Irr	320	0	239	Casing: 250 feet of 12 1/2-inch; 197 feet of 6-5/8-inch perforated. Used in conjunction with N5-19 and 5-78, in 1929-30. Reported, in 1938, no irrigation since 1936. Temp. 88° F.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N5-19	6 miles northeast	I. C. Cribbs	Hardy Robinson	1910	1,007	8½	886	888	66	--	--	T,E, 25	Irr	--	--	500	Reported, in 1938, no irrigation since 1936. Log.
N5-20	5½ miles northeast	do.	do.	1910	--	8½	--	--	--	77.0	Nov. 23, 1929	T,-	Irr	--	120	80	
N5-21	8 miles northeast	A. N. Box	--	1909	1,000	8	--	--	--	--	--	C,W	S	0	0	0	Reported, in 1938, no irrigation since 1932. Federal observation well.
N5-23	7 miles northeast	do.	--	1910	1,000	--	--	--	--	--	--	--	N	40	0	--	Reported, in 1938, no irrigation since 1936.
N5-24	6 miles northeast	do.	Tom Leary	1911	1,017	8	1,017	840	177	--	--	C,W	D,S	180	0	--	Reported, in 1938, no irrigation for several years. Temp. 89° F.
N5-25	4½ miles north	-- Gulick	Cribbs & Davidson	1929	818	10	818	640	175	--	--	T,E, 50	Irr	200	0	300	Casing: 307 feet of 10-inch; 317 feet of 8-inch; 210 feet of 6½-inch perforated. Temp. 85° F.
N5-26	3½ miles north	M. McLean	--	--	--	6	--	--	--	--	--	T,D, 25	D,S	80	32	0	Pecan trees - river water.
N5-27	3½ miles north	E. Butler	--	1908	993	6	--	--	--	--	--	T,E, 20	D,S, Irr	176	94	400	Temp. 87° F. Supplemented by river water.
N5-28	4½ miles north	-- Gulick	Cribbs & Davidson	--	890	10	890	695	195	--	--	T,G	Irr	80	0	--	Casing: 253 feet of 10-inch; 423 feet of 8-inch; 224 feet of 6-5/8-inch perforated. Reported in, 1938, no irrigation since 1932. Used in conjunction with NS-25.

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N5-29	2½ miles northeast	Bert Fry	Floyd Trimm	--	949	10	949	683	262	97.0	Dec. 12, 1929	T,E, 35	Irr	120	0	--	Casing: 334 feet of 10-inch; 347 feet of 8-inch. Reported, in 1938, no irrigation since 1934.
N5-30	do.	Richie Bros.	I.L.Dingman	1928	940	12½	--	715	215	--	--	T,E, 50	Irr	575	0	--	Reported, in 1938, no irrigation since 1936.
N5-31	3¼ miles northeast	do.	--	--	930	8	--	--	--	78.3	Nov. 26, 1929	--	N	--	--	--	Reported casing corroded through prior to 1937-38 and water became too highly mineralized for irrigation use.
N5-32	4¼ miles northeast	N. J. Thoreen	Jos. Davis	--	775	6	775	--	--	--	--	T,G, 60	D,S, Irr	34	23	220	Uses river water to supplement on 750 acres total.
N5-33	4¼ miles northeast	B.Masterson	Hardy Robinson	1910	--	--	--	--	--	--	--	T,-	N	0	0	--	Reported, in 1938, no irrigation for over 10 years.
N5-34	1½ miles north	C. C. Hasket	Cribbs & Davidson	1929	941	8½	941	775	166	--	--	T,G, 60	D,S, Irr	--	150	60	Casing: 768 feet of 8½-inch; 178 feet of 6-5/8-inch perforated.
N5-35	¼ mile north	-- Guyler	--	1923	--	--	--	--	--	77.0	Dec. 4, 1927	T,G, 60	D,S, Irr	140	197	150	
N5-36	1¼ miles north	H.L.Harkey	R. F. Schroeder	1923	1,040	15½	1,040	--	--	--	--	T,D 42	D,S, Irr	150	58	125	Casing: 85 feet of 15½-inch; 755 feet of 8-inch; 200 feet of 8-inch perforated.
N5-37	1 mile north	Bruce Bolsonback	-- Balch	--	--	8	--	--	--	--	--	T,G, 60	D,S, Irr	86	50	60	
N5-38	1 mile northeast	-- Campbell	L.H.Duncan	1926	1,000	12	1,000	--	--	--	--	T,O, 42	D,S, Irr	200	0	80	Casing: 200 feet of 12-inch; 8-inch to sand; perforated to bottom. Temp. 88° F.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N5-39	2½ miles northeast	Richie Bros.	Cribbs & Davidson	1929	940	12½	940	720	220	74.6	Nov. 26, 1929	T,-	Irr	600	0	80	Casing: 260 feet of 12½-inch; 460 feet of 10-inch; 242 feet of 8½-inch perforated. Reported, in 1938, no irrigation since 1935. Temp. 86.5° F. Uses river water supplementally. Total 800 acres.
N5-40	2½ miles east	do.	do.	1929	1,070	12½	1,070	830	240	80.4	do.	T,-	Irr	--	0	--	Casing: 272 feet of 12½-inch; 538 feet of 10-inch; 268 feet of 8½-inch perforated. Reported, in 1938, no irrigation since 1935. Temp. 87° F. Used in conjunction with N5-39.
N5-41	4 miles east	A. A. Akin	Tom Wren	1910	1,000	8	1,000	850	--	--	--	--	N	--	--	--	Casing: 800 feet of 8-inch; 50 feet of 6-inch; screened.
N5-42	3½ miles east	E. B. Taylor	H.H.Bailey	1926	1,082	12½	1,082	--	--	--	--	--	N	160	160	--	Casing: 200 feet of 12½-inch; 650 feet of 8-inch; 232 feet of 6-5/8-inch perforated. Temp. 89° F.
N5-43	4½ miles east	W. B. Gates	Cribbs & Davidson	1929	997	10	997	780	217	--	--	T,E, 50	Irr	240	0	100	Casing: 353 feet of 10-inch; 408 feet of 8-inch; 251 feet of 6-5/8-inch perforated. Reported, in 1938, no irrigation since 1933. Temp. 89° F.
N5-44	4½ miles east	M. McLean	Floyd Trimm	1926	--	--	--	--	--	--	--	T,D, 50	N	350	180	0	Temp. 89° F. Salty water. Not used 1947-48.

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N5-45	5 miles east	M. McLean	I.L. Dingman	1927	1,038	12½	--	--	--	--	--	T, D, 42	D, S, Irr	160	10	100	Casing: 200 feet of 12½-inch; 8-inch to sand; 6-5/8-inch perforated opposite sand. Temp. 89° F.
N5-46	5½ miles east	-- Smith	--	--	--	--	--	--	--	--	--	T, D, 42	D, S, Irr	0	58	15	
N5-47	6 miles east	A. Wagner	H. Hardy Robinson	1912	--	8	--	--	--	105.1	Nov. 26, 1929	C, W	S	--	--	--	
N5-48	In Crystal City	City of Crystal City	Floyd Trimm	1927	1,050	12	1,050	970	--	--	--	T, E, 50	P	--	--	--	Formally main supply for Crystal City. Used some in 1947-48. Abandoned.
N5-49	do.	do.	A. Coe	1908	1,070	6	--	--	--	--	--	--	N	--	--	--	Supplemented N5-48 for peak loads. Abandoned before 1947-48.
N5-51	¼ mile east	Mrs. Sally Packingham Estate	James A. Wilson	1910	1,100	8	--	--	--	74.0	Oct. 3, 1929	T, G, 60	D, S, Irr	35	60	190	Temp. 90° F.
N5-52	do.	G. C. Miller	Will Byrd	1911	955	6½	--	--	--	--	--	--	N	80	0	0	Casing: 665 feet of 6½-inch; rest unknown. Reported, in 1938, no irrigation since 1933.
N5-53	1¼ miles southeast	Frank Johnson	Cribbs & Davidson	1928	1,053	--	--	808	242	--	--	T, G, 60	D, S, Irr	75	110	--	
N5-54	2 miles east	Roy Chastin	do.	1927	1,065	10	1,065	800	265	--	--	T, E, 25	D, S, Irr	125	0	--	Casing: 258 feet of 10-inch; 551 feet of 8-inch; 278 feet of 6-5/8-inch perforated. Reported no irrigation for several years prior to 1937-38. Use river water.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N5-55	2 miles east	Warren Wagner	Cribbs & Davidson	1928	1,070	10	1,070	895	175	81.6	Nov. 27, 1929	T,E, 40	Irr	120	0	330	Casing: 250 feet of 10-inch; 620 feet of 8-inch; 245 feet of 6-5/8-inch perforated. Reported, in 1938, no irrigation since 1935. Temp. 88° F.
N5-56	2 1/4 miles east	H. C. Plumley	do.	1926	1,147	10	1,147	940	207	--	--	T,E, --	D,Irr	244	0	250	Casing: 264 feet of 10-inch; 636 feet of 8-inch; 261 feet of 6-5/8-inch perforated. Reported no irrigation for several years prior to 1937-38.
N5-57	do.	Mrs. D.H. Holsonback	do.	1929	1,030	12 1/2	1,030	790	240	84.5	Nov. 26, 1929	T,E, 40	Irr	475	525	--	Casing: 219 1/2 feet of 12 1/2-inch; 570 1/2 feet of 8-inch; 248 feet of 6-5/8-inch perforated.
N5-58	3 1/2 miles east	M. McLean	Floyd Trimm	1925	1,038	12 1/2	1,038	--	--	--	--	T,D, 50	D,S, Irr	240	240	130	Casing: 200 feet of 12 1/2-inch.
N5-59	do.	do.	P. C. Paul	1910	970	8 1/2	--	900	--	--	--	--	N	--	--	--	Casing: 820 feet of 8 1/2-inch. Temp. 88° F.
N5-60	4 miles east	Julius DeWinnie	--	--	--	--	--	--	--	81.0	Nov. 16, 1929	T,G	D,Irr	160	0	--	Reported, in 1938, no irrigation since 1932. Small cotton acreage. Salty water.
N5-61	4 1/2 miles east	H. W. Hartung	I.L. Dingman	1928	1,100	12 1/2	--	--	--	--	--	T,D, 50	D,S,	200	195	195	Yield, 400 gallons a minute.
N5-62	do.	M. McLean	do.	1927	1,100	12 1/2	--	--	--	--	--	T,D, 50	D,Irr	200	65	240	
N5-63	do.	J. Black	P. C. Paul	1911	999	8	780	899	--	79.0	Oct. 31, 1929	T,D, 25	D,S	80	20	0	Casing: 780 feet of 8-inch. Salt water contaminated. Not used.
N5-64	5 1/2 miles east	John Hughes	Geo. Leonard	1913	1,000	8	--	--	--	--	--	--	N	--	--	--	

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased to top of Carrizo sand (ft.)	Depth to top of Carrizo sand (ft.)	Thickness of Carrizo sand (ft.)	Water level		Method of lift water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement		Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N5-65	7 miles east	Adolf Wagner	W. J. Campbell & Tom Leary	1911	982	6	--	936	--	100.4	Nov. 26, 1929	C, W	--	--	--	Casing: 327 feet of 12½-inch; 398 feet of 10-inch.
N5-66	4½ miles northeast	W. B. Gates	Cribbs & Davidson	1932	1,001	12½	725	735	266	--	--	T, D, 40	630	--	--	Casing: 340 feet of 12½-inch; 487 feet of 10-inch; 256 feet of 8-inch perforated. Log.
N5-67	5 miles northeast	do.	do.	1932	1,060	12½	1,057	845	212	--	--	T, D, S, 40	--	925	--	Casing: 361 feet of 12-inch; 593 feet of 8-inch cemented; 292 feet of 6½-inch perforated, used in conjunction with N5-70 and N8-110. Log.
N5-69	6½ miles east	C. F. Jackson	do.	1932	1,228	12	1,228	975	252	--	--	T, D, 70	1,310	960	--	Casing: 327 feet of 12-inch; 645 feet of 8-inch; 274 feet of 6½-inch perforated.
N5-70	7 miles east	do.	do.	1932	1,225	12	1,225	980	225	--	--	T, D, 70	--	--	--	Casing: 274 feet of 10-inch; 435 feet of 8½-inch set in cement. Swadge nipple between 8½ and 10-inch.
N5-71	4½ miles north	E. Butler	L. D. Stripling	1933	835	10	907	709	198	--	--	--	30	--	--	Casing: 325 feet of 12½-inch; 579 feet of 10-inch; 280 feet of 8½-inch perforated. Swadge nipple between 8½ and 10-inch. Log.
N5-72	6½ miles northeast	Mrs. C. L. Coleman	Cribbs & Davidson	1934	1,160	12½	1,160	935	222	75	Dec. 8, 1937	T, D, 65	--	420	--	Casing: 325 feet of 12½-inch; 579 feet of 10-inch; 280 feet of 8½-inch perforated. Swadge nipple between 8½ and 10-inch. Log.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N5-73	10 miles north	Sol Freed	L.D.Stripling	1929	903	10	903	692	211	--	--	T,G, 45	Irr	--	100	220	Casing: 642 feet of 10-inch; 261 feet of 8-inch perforated.
N5-74	10½ miles north	do.	Cribbs & Davidson	1930	900	12½	900	701	199	--	--	T,G, 45	Irr	--	0	250	Casing: 267 feet of 12½-inch; 409 feet of 8-inch; 248 feet of 6-5/8-inch perforated.
N5-75	9½ miles north	do.	do.	1930	950	12½	950	674	276	--	--	T,E, 25	Irr	--	0	60	Casing: 248 feet of 12½-inch; 402 feet of 8-inch.
N5-76	7 miles north	Ira Cribbs	do.	1931	950	12½	950	725	225	--	--	T,E, 75	S,Irr	--	380	250	Casing: 329 feet of 12½-inch; 398 feet of 10-inch; 258 feet of 8½-inch perforated.
N5-78	6 miles north	L.J.Mazzoni	do.	1932	940	10	940	725	215	--	--	T,D, 25	Irr	--	0	0	Casing: 278 feet of 10-inch; 437 feet of 8-inch set with lead seal at 253 feet; 247 feet of 6-5/8-inch perforated cemented 20 sacks cement at 715 feet.

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N5-79	In Crystal City	City of Crystal City	Ira Cribbs	1941	990	12%	990	755	200	180	Feb. 2, 1948	T,E, 75	P	--	--	--	Cement repair for salinity, fall 1948. Log.
N5-80	do.	do.	-- Clark	1948	1,035	12	1,035	830	205	---	--	T,E, 75	P	--	--	--	Not used 1947-48.
N5-81	2 1/4 miles northwest	R. L. Cuyler	Ira Cribbs	1948	990	10	765	785	205	153.6	Sept. 17, 1948	T,G, 85	Irr	--	--	--	Do.
N5-82	7 miles northeast	Holt-Murphy	--McKinsly	1946	1,300	12	1,300	--	--	--	--	T,D, 77	Irr	--	--	195	
N5-83	do.	do.	do.	1946	1,200	12	1,200	--	--	--	--	T,D, 88 1/2	Irr	--	--	115	
N5-84	7 1/2 miles northeast	do.	do.	1946	1,200	12	1,200	--	--	--	--	T,D, 116	Irr	--	--	290	
N5-85	7 1/2 miles northeast	J.R.S.Ranch	do.	1947	1,185	10	1,185	--	--	143	Nov. 1947	T,G, 90	Irr	--	--	250	
N5-86	7 1/2 miles northeast	do.	Ira Cribbs	1947	1,215	12	1,215	985	167	169	Nov. 1947	T,D, 126	Irr	--	--		Yield 1,300 gallons a minute. Drawdown 48 feet, Nov. 1947.
N5-87	7 1/2 miles northeast	California Packing Corp.	Wiegand Bros.	1948	1,150	12	1,150	930	210	179.5	Sept. 17, 1938	T,D, 146	Irr	--	--	--	
N5-88	8 miles northeast	do.	do.	1948	1,155	12	1,155	924	202	176.4	do.	T,D, 146	Irr	--	--	--	Log.
N5-89	8 1/2 miles northeast	J.Paul Little	I.C.Cribbs	1948	1,180	12	1,180	903	277	100.6	July 16, 1948	T,Ng, 130	Irr	--	--	320	
N5-90	9 1/4 miles northeast	California Packing Corp.	L.S.D. Drillers	1946	1,225	12	1,225	962	224	166.7	Feb. 14, 1948	T,D, 146	Irr	--	--	--	
N5-91	do.	do.	do.	1946	1,193	12	1,193	989	184	165.3	do.	T,D, 146	Irr	--	--	--	
N5-92	do.	do.	Wiegand Bros.	1946	1,163	12	1,163	--	211	165.7	do.	T,D, 146	Irr	--	--	--	Log.
N5-93	9 1/4 miles northeast	do.	do.	1946	1,137	13-3/8	1,137	919	189	162.3	do.	T,D, 146	Irr	--	--	1,200	
N5-94	do.	do.	do.	1946	1,143	13-3/8	1,143	939	184	--	--	T,D, 146	Irr	--	--	--	
N5-95	9 1/4 miles northeast	do.	do.	1946	1,146	13-3/8	1,146	952	161	165.2	Feb. 24, 1948	T,D, 146	Irr	--	--	--	
N5-96	9 1/4 miles northeast	do.	do.	1948	1,220	12 1/2	1,220	892	332	--	--	T,D, 146	Irr	--	--	--	
N5-97	9 1/4 miles northeast	do.	do.	1948	1,151	12 1/2	1,151	940	200	--	--	T,D, 146	Irr	--	--	--	
N5-98	6 1/2 miles northeast	Robt.S.Yantis	Ira Cribbs	1944	980	10	980	775	200	70	Oct. 1944	T,E, 40	Irr	--	---	265	Log.
N5-99	7 miles northeast	A. N. Box	do.	1947	945	12	945	685	260	130	June 1947	T,E, 50	Irr	--	--	160	

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Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Crystal City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thick-ness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N5-100	7 miles northeast	California Packing Corp.	Wiegand Bros.	1948	1,152	12½	1,152	932	197	--	--	T,D, 146	Irr	--	--	--	
N5-101	7½ miles northeast	do.	do.	1948	1,150	12½	1,150	930	205	--	--	T,D, 146	Irr	--	--	--	
N5-102	½ mile northwest	do.	Layne-Texas	1946	1,054	16	1,054	812	182	96	July 25, 1947	T,E, 75	Ind	--	--	--	Gravel-walled well.
N5-103	7½ miles northeast	Holsomback & Butler	Adams & Lyles	1947	3,756	--	--	--	--	--	--	--	--	--	--	--	Oil test.
N5-104	4 miles northeast	Marrs McLean	Humble Oil & Refining Co.	1945	5,000	--	--	--	--	--	--	--	--	--	--	--	Do.
N6-1	15 miles northeast	W. L. Gates	--	--	47	--	--	--	--	--	--	C,W	D,S	--	--	--	Dug.
N6-2	15½ miles northeast	--	--	1930	--	--	--	--	--	--	--	--	--	--	--	--	Loma Vista oil test by Wiegand Bros.
N6-3	12 miles east	L. G. Gates	--	1921	1,313	8	1,313	1,159	120	80	Aug. 22, 1929	T,P, 35	D,S, Irr	--	0	--	Casing: 1,000 feet of 8-inch; 159 feet of 6-inch screened. Log.

Distance from Carrizo Springs

N7-1	13 miles northwest	B. H. Erskine	--McFarland	1906	580	8	260	275	--	--	--	C,W	D,S	18	0	0	Casing: 200 feet of 8½-inch; 60 feet of 7-5/8-inch. Reported flowing until 1920. Reported, in 1938, no irrigation since 1932.
N7-2	12½ miles northwest	Eugene Greene	Charley Lindenborn	--	400	8	60	250	--	26.5	Oct. 30, 1929	T,G	Irr	--	--	27	
N7-3	do.	Frank Harris	--	--	--	--	--	--	--	--	--	--	--	55	64	0	
N7-4	do.	do.	--	--	--	8	--	--	--	21.9	Oct. 30, 1929	--	N	--	--	--	
N7-5	12½ miles northwest	do.	--	--	--	--	--	--	--	--	--	T,D, 42	D,S	76	0	--	

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N7-6	8½ miles north	Carl Reiker	C.F.Seward	1928	1,021	10	603	758	859	--	--	--	N	195	0	0	Reported, in 1938, no irrigation for several years. Formerly used in conjunction with N7-35. Log.
N7-7	12¼ miles northwest	E. C. Sorrel	Charley Lindenborn	1905	475	12	60	200	--	--	--	T,D, 15	D,S, Irr	17	24	20	Reported flowing about 500 gallons a minute when drilled.
N7-8	12 miles northwest	J. F. Harris	do.	1906	450	8	150	250	--	--	--	C,W	D,S	--	--	--	
N7-9	do.	do.	do.	--	450	8	150	250	--	--	--	C,W	D,S	10	0	--	Reported, in 1938, no irrigation for several years.
N7-10	do.	W. G. Orr	do.	1904	475	8½	100	250	--	4	--	T,D, 20	D,S, Irr	170	0	6	Reported flowing about 400 gallons a minute when drilled.
N7-11	11¼ miles northwest	do.	--	1904	450	10	100	250	--	4	--	T,D, 25	Irr	--	50.5	100	
N7-12	11¼ miles northwest	J. L. Mogford	I. L. White	1904	450	8½	60	250	--	41.4	May 29, 1930	C,W	S	--	--	--	
N7-13	10¼ miles northwest	B. C. White	Frank Kellogg	1917	402	8	40	260	--	--	--	T,D, 25	D,S, Irr	40	61	90	
N7-14	10 miles northwest	do.	B.C.White	1927	319	12	60	--	--	--	--	T,D, 20	D,S, Irr	45	23	65	
N7-15	do.	L. A. Watts	L. A.Watts	1926	376	10	35	319	--	--	--	C,W	S	9	0	0	Reported, in 1938, no irrigation since 1936.
N7-16	9¾ miles northwest	B. J. Cook	Frank Kellogg	1928	360	10	20	--	--	--	--	T,D, 20	D,S, Irr	40	37	60	
N7-17	9¾ miles northwest	Percy Herman	--	--	--	6	--	--	--	78.7	Mar. 10, 1930	--	N	--	--	--	
N7-18	do.	Ida O.Straus	Elmo Owen	1914	400	6	--	125	125	91.7	Dec. 19, 1929	C,W	D	--	--	--	
N7-19	9¾ miles southeast	Mrs. O.V. Underwood	--	--	185	8	--	--	--	65.0	do.	C,W	S	--	--	--	
N7-20	9¾ miles northwest	J.A.Garrison	G.A.Petty	1928	330	12	--	--	--	--	--	T,Ng, 40	D,S, Irr	45	40	65	

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N7-21	9½ miles northwest	A. H. Swindell	--	1926	425	10	280	--	--	66.2	Oct. 29, 1929	T,D, 25	D,S, Irr	--	39	60	
N7-22	8½ miles northwest	Mrs.O.V.Underwood	S.M.Owen	1910	400	8	--	--	--	--	--	--	N	--	--	--	
N7-23	9½ miles northwest	Mary H. White	do.	1916	472	8	200	--	--	--	--	C,W	D,S	20	0	0	Reported, in 1938, no irrigation since 1934.
N7-24	do.	J. N. Stern	I.White	1903	450	6½	100	350	--	31.4	Feb. 2, 1938	--	N	15	0	0	Reported flowing 400 gallons a minute when drilled. Reported, in 1938, no irrigation since 1933.
N7-25	9 miles northwest	Mrs. Ella Perrin	Geo.Petty	1925	350	6	--	--	--	52.3	May 14, 1930	--	N	0	0	0	
N7-26	9½ miles northwest	-- Bennett	Elmo Owen	1928	352	10	39	235	--	--	--	T,G, 60	D,S, Irr	103	39	150	Casing: 39 feet of 10-inch.
N7-27	7½ miles northwest	Eardley Estate	Charley Lindenborn	1929	472	10	--	250	112	58.0	Oct. 28, 1930	T,D, 25	D,S, Irr	100	44.5	80	Temp. 79° F.
N7-28	7½ miles northwest	M. H. Love	-- Owen	1928	240	10	40	92	148	65.0	do.	C,E, ½	D,S	31	0	0	Land now irrigated from N7-29.
N7-29	7 miles northwest	do.	Floyd Trimm	1930	1,580	--	--	106	142	--	--	T,G, 65	Irr	--	--	--	Drilled as gas test, now used for irrigation.
N7-30	7½ miles northwest	-- Catlett	Frank Kellogg	1929	495	10	65	--	--	--	--	T,G, 40	Irr	120	10	300	N7-163 and N7-30. Supplement 300 acres.
N7-31	8 miles northwest	Byrd Cattle Co.	Floyd Trimm	1928	755	10	--	--	--	--	--	T,E, 25	D,S, Irr	20	160	500	
N7-32	7½ miles northwest	do.	--	1910	980	8½	360	500	--	--	--	T,G, 65	D,S, Irr	160	180		Reported flowing 75 gallons a minute in 1913.
N7-33	7½ miles northwest	do.	--	1910	614	10	--	--	--	--	--	--	N	--	--	--	
N7-34	8 miles north	do.	Floyd Trimm	--	--	8	--	--	--	50.7	Dec. 7, 1929	--	N	--	--	--	

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top of Carrizo sand (ft.)	Thickness of Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N7-35	8½ miles north	Carl Reiker	Floyd Trimm	1928	921	8	--	--	--	--	T,D, 25	D,S	--	45	0		
N7-36	9¼ miles northwest	-- Williams et. al.	--	--	140	6	--	77.0	Feb. 7, 1930	C,W	S	--	--	--	--		
N7-37	9 miles northwest	J. A. Webb	Geo. Petty	1913	100	6	--	--	--	C,W	S	--	--	--	--		
N7-38	do.	do.	--	--	900±	--	--	51.6	Feb. 7, 1929	C,W	S	--	--	--	--		
N7-39	7 miles northwest	I.O.Kotchman	Geo. Petty	1913	115	6	--	82.2	Dec. 19, 1929	C,W	S	--	--	--	--		
N7-40	6½ miles northwest	Lynch Bros.	Frank Kellogg	1927	188	10	78	--	--	C,W	S	18	0	0	0	Reported, in 1938, no irrigation since 1935. Temp, 76° F. Log.	
N7-41	6 miles northwest	A. N. Box	S. M. Owen	1906	504	8½	80	41.0	May 9, 1930	C,W	S	40	5	0	0	Reported flowing 150 gallons a minute in 1913.	
N7-42	7 miles northwest	Byrd Cattle Co.	Floyd Trimm	--	--	--	--	--	--	T,Ng, 85	Irr	800	410	410	410	Used in conjunction with N7-44 and N7-45.	
N7-43	6½ miles northwest	do.	Geo. Leonard	1910	840	8½	483	--	--	T,Ng, 85	Irr	--	--	--	--	Used in conjunction with N7-44.	
N7-44	do.	do.	-- Barnett	1910	960	5- 3/16	--	--	--	T,Ng, 85	D,S, Irr	--	--	--	--	Used in conjunction with N7-42 and N7-43.	
N7-45	7½ miles northwest	do.	Geo. Leonard	1913	805	10	605	--	--	--	N	--	--	--	--	Used in conjunction with N7-42, N7-43, and N7-44.	
N7-46	do.	State of Texas	Cribbs & Davidson	1930	1,022	12½	1,022	780	242	T,E, 50	D,S, Irr	0	58.5	80	80	Casing: 254 feet of 12½-inch; 523 feet of 8-inch; 264 feet of 6-5/8-inch perforated. Temp. 91° F. Log.	

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N7-47	7½ miles northwest	Dr.G.Matteson Heirs	Cribbs & Davidson	1927	992	10	780	768	224	--	--	T,G, 40	D,S, Irr	45	6	--	
N7-48	7½ miles northwest	Hugh Greer	Geo. Crowell	1926	1,001	--	--	710	286	61.0	Oct. 9, 1929	T,G,	D, Irr	70	8	80	
N7-49	7 miles northwest	Davisson Co.	do.	1926	890	12½	--	--	--	--	--	T,G	D, Irr	22.5	0	8	
N7-50	8 miles northwest	Ben Patterson	John Bell	1920	90	6	--	--	--	58	May 15, 1930	C,W	S	--	--	--	
N7-51	6 miles northwest	Sam McKnight	Elmo Owen	1930	282	10	--	--	98	--	--	C,W	S	--	--	--	Log.
N7-52	5 miles northwest	E. L. Wetzig	Frank Kellogg	1928	176	10	40	--	166	--	--	T,G, 15	Irr	19	26	29	
N7-53	do.	do.	--	--	--	10	--	--	--	80.5	Dec. 19, 1930	T,G	D,S, Irr	--	--	40	
N7-54	do.	John Stahl	Elmo Owen	1928	176	10	--	--	166	--	--	C,W	S	20	0	0	Reported, in 1938, no irrigation since 1936. Temp. 76½° F.
N7-55	4 miles north	R.W.Williams	Frank Kellogg	1929	370	6	--	--	--	--	--	C,W	D,S	--	--	--	
N7-56	do.	H.H.Herrington	S. M. Owen	1909	600	10	400	--	--	65.5	May 15, 1930	T,G, 65	D,S, Irr	20	5	--	
N7-57	4½ miles north	W. G. Orr	--	1927	705	8	--	--	--	67.7	Oct. 3, 1930	T,G, 60	D,S	63	0	0	Reported, in 1938, no irrigation since 1936. Temp. 86° F.
N7-58	5 miles north	A. R. Ponder	Floyd Trimm	1925	700	6	500	--	--	--	--	--	N	--	--	--	
N7-59	5½ miles north	do.	Geo. Leonard	1924	752	10	550	550	202	--	--	T,D, 40	Irr	150	125	--	
N7-60	do.	do.	--	1921	800	10	--	--	--	--	--	T,G, 65	D,S, Irr	--	--	300	
N7-61	6½ miles north	C. Zedler	--	--	760	12	525	625	--	--	--	T,D, 52	D, Irr	42	20	0	Some citrus.
N7-62	6½ miles west	Central Securities Co.	--	--	--	6	--	--	--	20.6	June 19, 1930	C,W	S	--	--	--	
N7-63	5 miles west	Sam McKnight	Humble Oil Co.	1928	5,004	--	--	--	--	--	--	--	N	--	--	--	Abandoned deep oil test.
N7-64	3½ miles northwest	Henry Moses	Geo. Petty	--	375	--	--	--	--	--	--	--	N	2	0	0	Reported, in 1938, no irrigation since 1936.
N7-65	4 miles northwest	L. A. Warren	Elmo Owen	1928	230	12	230	--	230	49.2	Oct. 29, 1929	C,W	D,S	--	--	--	Log.
N7-66	3½ miles northwest	J. A. Heyman	W.D.Morrison	1927	332	12	79	--	280	--	--	T,D, 20	D,S	40	5	0	Temp. 78½° F. Log.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N7-67	3½ miles northwest	Dr. B. F. Smith	W.D.Morrison	1927	310	10	90	--	--	93.1	Oct. 28, 1929	None	N	20	31.25	0	Temp. 78° F.
N7-68	2½ miles northwest	J. M. Davis	Geo. Petty	1927	210	10	--	--	--	87.9	Feb. 2, 1928	--	N	--	--	0	Abandoned.
N7-69	3¼ miles north	G. E. Whitney	do.	1923	504	8½	160	350	--	--	--	None	N	45	87.75	0	Do.
N7-70	3¼ miles north	C. M. Burns	S. M. Owen	1905	530	6¼	60	--	--	8	1913	C,W	D,S	--	--	--	Reported flowing 125 gallons a minute in 1905.
N7-71	3¼ miles north	do.	do.	1929	500	8	165	400	--	--	--	T,Ng, 47	D,S, Irr	14	0	30	Reported flowing 75 gallons a minute in 1907. Reported, in 1938, no irrigation since 1935.
N7-72	8½ miles west	Dr. R. F. Miller Estate	Geo. Petty	1912	140	6	--	--	--	79.5	Feb. 7, 1930	C,W	S	--	--	--	
N7-73	6 miles west	Sam McKnight	--	--	40	6	--	--	--	9.6	Jan. 16, 1930	C,W	S	--	--	--	
N7-74	5 miles west	do.	G.B.Williams	--	--	8	--	--	--	72.0	Sept. 24, 1929	C,W	D,S	--	--	--	Temp. 78° F.
N7-75	4 miles west	F. Kirk	--	--	306	10	--	--	--	--	--	C,W	S	--	--	--	
N7-76	do.	do.	--	1926	309	10	--	--	--	--	--	C,W	S	--	--	--	
N7-77	3 miles west	Sam McKnight	W.D.Morrison	1930	436	8	251	--	73	105	May 1930	T,G	S,Irr	--	--	40	Log.
N7-78	2 miles northwest	C. Schmitt	Sam Howard	1915	300	10	--	--	--	91.2	Jan. 6, 1930	C,G, 6	D,S, Irr	2	.5	.5	
N7-79	1½ miles northwest	B. Padilla	Frank Kellogg	--	--	6	--	--	--	--	--	C,D, 6	D,S, Irr	10	10.5	20	
N7-80	1½ miles northwest	T. A. Smith	Elmo Owen	1929	356	10	59½	--	--	--	--	C,D, 6	D,S, Irr	9	16	4	
N7-81	1½ miles north	Joe Gardner	Frank Kellogg	1926	525	10	--	--	--	--	--	C,D, 6	N	58	12	0	
N7-82	do.	do.	Sam Howard	--	312	8	--	--	--	--	--	T,D, 15	D	5	0	0	
N7-83	1½ miles north	P. Tijarena	A. Brown	1927	300	8	--	--	--	--	--	--	N	27	10	0	
N7-84	2½ miles north	-- Shaw	Elmo Owen	--	315	8	--	--	--	--	--	--	N	--	--	0	
N7-85	2½ miles north	do.	do.	--	318	8	40	--	--	--	--	--	N	0	0	0	

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N7-86	2 miles north	Gus Jeffrey	Geo. Petty	1922	456	--	--	412	--	--	--	T,G, 65	D,S, Irr	35	37	50	
N7-87	2½ miles north	M.L.Norwood	S. M. Owen	1924	312	12	169	--	--	--	--	T,E, 15	D,S, Irr	35	46	40	
N7-88	do.	-- Butcher	Elmo Owen	1922	305	10	40	--	--	--	--	T,D, 6	D,S, Irr	40	3	50	
N7-89	2½ miles north	do.	do.	--	315	8	--	--	--	--	--	--	N	--	--	--	
N7-90	3 miles north	Dr. -- Crosby	S. M. Owen	1910	454	8½	80	390	--	--	--	C,D, 10	N	20	0	0	Reported, in 1938, no irrigation since 1936.
N7-91	2½ miles north	G. O. Bell	--	--	310	5	--	--	--	--	--	T,D, 20	N	23	0	--	Do.
N7-92	2½ miles north	Citizens State Bank	S. M. Owen	1914	324	18	140	--	--	--	--	T,D, 37	D,S, Irr	75	30	150	
N7-93	2½ miles north	J. L. Spear	A. E. Petty	1918	350	5	40	--	--	--	--	--	N	24	0	--	Reported, in 1938, no irrigation since 1931.
N7-94	3 miles north	Mary Whitherspoon	S. M. Owen	1916	608	12	100	--	--	--	--	T,G, 65	D,S, Irr	60	2	70	Leased by Francis Webb.
N7-95	3¼ miles west	M. E. Cook	G. A. Petty	1915	232	10½	--	--	--	69.5	Jan. 6, 1930	D,H	D,S	--	--	--	
N7-96	3¾ miles west	Central Securities Co.	W.D.Morrison	1930	272	10	25	--	232	65	May 1930	C,W	S	--	--	--	Log.
N7-97	2½ miles southwest	T. M. Leavers	--	--	200	--	--	--	--	--	--	C,D, 6	D	--	0	0	
N7-98	1½ miles west	Spears Dairy	-- Petty	--	400	10	50	--	--	--	--	C,W	D,S	--	0	--	
N7-99	1 mile north	Mobley Bros.	Frank Kellogg	1925	410	12	--	--	--	--	--	--	N	75	57	0	Yield 75 gallons a minute.
N7-100	1½ miles north	Siberio Zavate	S. M. Owen	1920	455	10	40	--	--	--	--	T,G	Irr	20	0	15	Reported no irrigation for several years, prior to 1937-38.
N7-101	1½ miles north	do.	--	1930	388	--	--	187	153	--	--	--	N	--	--	--	
N7-102	1½ miles north	Gus Jeffery	S. M. Owen	1925	325	--	--	240	--	--	--	T,E	Irr	32	0	35	Reported, in 1938, no irrigation since 1934.

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N7-103	2 miles north	Wm. D. Cater	--	1917	315	10	140	---	--	--	--	T,E	Irr	15	0	0	Reported, in 1938, no irrigation since 1932. Will be used 1948-49.
N7-104	1½ miles north	I. Martinez	Elmo Owen	--	230	8	--	--	--	--	--	C,G, 3	D,S, Irr	5	5	--	
N7-105	do.	T. J. Haire	G. A. Petty	1920	347	10	140	147	--	--	--	T,E, 15	D,S, Irr	45	28	19	
N7-106	1½ miles north	S. A. Byers	do.	1917	315	10	140	---	--	--	--	C,D, 10	Irr	14	0	20	Reported, in 1938, no irrigation since 1932.
N7-107	2 miles north	A. R. Miller	do.	1920	321	7½	60	---	--	---	--	T,E, 7	D,Irr	8	6	13.5	
N7-108	3¼ miles northeast	Guy Skoggins	-- Simpson	1922	450	10	--	--	--	--	--	T,G, 60	D,S, Irr	32	47	60	Well cleaned out in 1938. Recased: 140 feet of 10-inch; 100 feet of 8-inch perforated lapped 20 feet into 10-inch.
N7-109	1½ miles northeast	R. T. Mooreman	Sam Howard	1912	315	10	48	--	--	18	Feb. 19, 1913	T,E, 10	D,S, Irr	37	26	22	Temp. 80° F.
N7-110	do.	Ward & Conn	do.	1912	312	8½	60	212	--	4	do.	C,G, 6	--	10	.5	0	Temp. 78° F.
N7-111	1½ miles northeast	T. J. Haire	Frank Kellogg	1925	250	8	100	112	--	--	--	T,E, 7½	D,S, Irr	14.5	17	17	Citrus irrigation.
N7-112	do.	N. Castellon	A. E. Eardly	1910	--	10	--	--	--	70.4	May 3, 1930	T,D, 15	D,Irr	40	64.75	49	Temp. 78½° F.
N7-113	1½ miles north	O. N. Ratcliff	John Eardly	1911	301	8½	60	190	--	4	Feb. 19, 1913	T,E	Irr	--	--	12.5	Temp. 78° F.
N7-114	1½ miles northeast	H. Petry	S. M. Owen	1916	316	12	60	--	--	--	--	C,G	D	23	10	--	
N7-115	2 miles north	-- Noble	G. A. Petty	1916	318	9½	--	--	--	--	--	T,E, 7½	D,S, Irr	16	5.25	14	
N7-116	2 miles northeast	Eardley Estate	-- Simpson	1916	325	16	140	---	--	--	--	--	N	90	80	0	
N7-118	1½ miles west	G. A. Bryant	Frank Kellogg	1927	476	10	150	--	--	--	--	C,W	D,S	4	4	--	

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Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N7-119	1¼ miles west	A. B. Shaw	Frank Kellogg	1928	380	--	--	--	--	--	--	C, G, 7	D, S, Irr	20	5	10	One citrus, 9 vegetables.
N7-120	1¼ miles southwest	do.	W.D.Morrison	1927	252	10	40	--	--	--	--	--	N	--	--	--	
N7-121	do.	John Stahl	--	--	--	--	--	--	--	--	--	C, G, 6	D, S, Irr	15	12	50	Yield, 50 gallons a minute.
N7-122	¾ mile southwest	Mrs. Ive White	W.D.Morrison	1927	404	10	20	--	--	56.5	Feb. 2, 1928	C, W	D, S	--	--	--	
N7-123	1 mile southwest	W. A. Hoose	do.	1927	344	10	40	--	--	--	--	C, -	D, S	5	0	0	Reported, no irrigation for several years prior to 1937-38. New Jack pump-checked 1948-49.
N7-124	¾ mile southwest	A. Tocquigny	--	1918	349	12	20	--	--	--	--	C, D, 6	D, S, Irr	5	6	14	
N7-125	In Carrizo Springs	A. J. Knaggs	--	1910	133	6	--	--	--	56.4	Nov. 22, 1929	--	N	--	--	--	Temp. 76° F.
N7-126	do.	City of Carrizo Springs	W.D.Morrison	1928	322	12¼	123	--	320	82.4	Mar. 12, 1930	T, E, 30	P	--	--	--	Supplies city of Carrizo Springs.
N7-127	1 mile northeast	Mrs. F. F. Kellogg	G. A. Petty	1912	450	6	150	--	--	58.1	Oct. 8, 1929	--	N	--	--	--	
N7-128	do.	H. O. Case	do.	1919	325	10	--	--	--	73.5	do.	T, G, 65	D, S, Irr	32	32	15	
N7-129	1¼ miles northeast	E.M.McClenden	do.	1924	246	8	--	--	--	--	--	C, W	D, S	66	0	--	Reported, in 1938, no irrigation since 1935.
N7-130	1 mile northeast	Mrs. F. F. Kellogg	--	--	28	54	--	--	--	18.5	May 5, 1930	--	--	--	--	--	Dug. Water formerly used locally for medicinal purposes.
N7-131	1¼ miles northeast	Mrs. W.C. Butler	--	1890	--	6	--	--	--	--	--	C, W	D, S	--	--	--	
N7-132	1¼ miles northeast	Mrs. Gus Jeffery	G. A. Petty	1922	300	6	--	--	--	86.1	Apr. 11, 1930	--	N	--	--	--	
N7-133	do.	do.	S. M. Owen	1921	318	6	60	--	--	--	--	--	N	30	15	0	Dry land cotton 1947-48.
N7-134	do.	A. M. Thorpe	do.	1904	360	14	0	--	--	--	--	--	N	5	0	--	Reported, in 1938, no irrigation since 1935. Temp. 80¼° F.

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N7-135	1½ miles southwest	J. L. Bell	J. L. Bell	1921	106	6	20	--	--	25.0	Jan. 7, 1930	--	N	--	--	--	
N7-136	do.	Wm. Haun	--	1929	112	8	15	--	--	41.0	Feb. 5, 1930	C,H	D,S	--	--	--	
N7-137	¾ mile east	G.A.Hero Estate	--	--	31	36	--	--	--	26.5	Apr. 30, 1930	--	N	--	--	--	
N7-138	1 mile east	A.Dickens Estate	--	--	--	6	--	--	--	50.0	Oct. 24, 1929	--	N	--	--	--	
N7-139	do.	W. L. Measles	--	1926	140	10	--	--	--	--	--	C,-	N	10	0	0	Reported no irrigation for several years prior to 1937-38.
N7-140	1½ miles southeast	M. Nistler	--	1924	480	10	150	--	--	--	--	--	N	33	0	0	Well replaced by N7-147 in 1932. Temp. 79½° F.
N7-141	do.	Joe Gardner	--	--	235	10	80	90	--	--	--	T,E, 15	D,S, Irr	45	54	40	
N7-142	2¼ miles north	L. B. Huth	Elmo Owen	1932	420	6	--	--	--	--	--	T,O, 10	D,S, Irr	--	12.25	34	
N7-143	1½ miles north	Locadio Zarate	do.	1932	485	10	20	88	--	--	--	C,O, 6	D,S, Irr	--	13	58	Casing: 20 feet of 10-inch.
N7-144	do.	Joe Gardner	do.	1938	300	8	200	--	--	--	--	T,O, 15	D,S, Irr	--	--	--	Casing: 200 feet of 8-inch.
N7-145	1 mile north	Mobley Bros.	--	1917	340	10	--	--	--	--	--	C,O, 10	D,S	--	--	0	
N7-146	1½ miles southwest	-- Wilson	Frank Kellogg	1934	300	6	20	--	--	--	--	C,G, 6	D	--	2	0	Casing: 20 feet of 6-inch.
N7-147	1½ miles southeast	V. Oldroyd	Elmo Owen	1932	180	12	140	--	--	--	--	T,E, 15	D,S, Irr	--	9	20	Casing: 140 feet of 12-inch.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N7-148	In Carrizo Springs	J. H. Long	Petty Bros.	1937	397	8½	230	---	--	86.81	Dec. 7, 1937	C, E, 3½	D	--	0	--	Casing: 230 feet of 8¼-inch. Log.
N7-149	1 mile east	W. L. Measles	L.D. Stripling	1934	280	8½	140	140	35	--	--	T, G, 65	D, P, S	--	18	0	Casing: 140 feet of 8¼-inch. Supplies public swimming pool.
N7-150	3¼ miles west	M. E. Cook	--	--	565	10	--	--	--	--	--	--	N	--	0	0	Reported, in 1938, no irrigation since 1932.
N7-151	3¼ miles north	E. Goodwin	Petty Bros.	1936	355	8	200	--	--	--	--	--	--	--	0	--	Casing: 200 feet of 8-inch. Reported, in 1938, no irrigation since 1936. Log.
N7-152	1 mile west	-- Tisdell	Sam Howard	1913	375	10	88	--	--	--	--	--	N	--	6	0	Casing: 88 feet of 10-inch galvanized tin. Log.
N7-153	do.	L.H. Upchurch	Petty Bros.	1936	215	8	51	--	--	85	Feb. 1936	C, D, 7½	D, S, Irr	--	4	2	Log.
N7-154	1½ miles northeast	-- Katenhaid	--	1900	333	5-3/16	60	200	--	--	--	C, W	D, S	--	--	--	Reported flowing 100 gallons a minute when drilled.
N7-155	1 mile west	J. H. McGee	--	--	--	--	--	--	--	--	--	C, D, 6	D, S	--	0	0	Reported no irrigation for several years prior to 1937-38.
N7-156	1½ miles northwest	Ben Fleming	--	--	--	--	--	--	--	--	--	C, D, 6	D, S	--	0	--	
N7-157	4 miles north	H. Rouw	I. C. Cribbs	1944	565	12	428	340	210	105	Dec. 22, 1944	T, Ng, 67	Irr	--	--	--	Carroll Burns farm. Log.
N7-158	4½ miles north	do.	Ed Owens	1947	600	12	400	--	200	--	--	T, Ng, 67	Irr	--	--	--	

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thick-ness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N7-159	4½ miles north	H. Rouw	I. C. Cribbs	1944	600	12	600	410	130	110	Aug. 21, 1948	T,Ng, 67	Irr	--	--	590	Used in conjunction with wells N7-57, 157, 158, 159, 160, 161, and 162.
N7-160	do.	do.	do.	1945	--	12	510	--	--	85	Jan. 25 1945	T,Ng, 67	Irr	--	--	--	Do.
N7-161	4½ miles north	do.	do.	1947	610	11	407	380	210	150	July 17, 1947	T,Ng, 67	Irr	--	--	--	Do.
N7-162	4½ miles northwest	do.	do.	1945	570	12	--	412	150	90	--	T,Ng, 67	Irr	--	--	--	Do.
N7-163	7½ miles northwest	-- Catlett	O. F. Webb	1947	490	12	200	200	90	109	June 1947	T,G	Irr	--	--	--	Supplemental to N7-30.
N7-164	3½ miles northwest	H. Rouw	I. C. Cribbs	1945	395	10	395	150	195	90	Feb. 15, 1945	T,Ng, --	Irr	--	--	--	Waco farm. Log.
N7-165	do.	do.	do.	1944	427	10	427	280	175	110	Nov. 1944	T,Ng, --	Irr	--	--	258	
N7-166	3½ miles northwest	do.	do.	1946	350	10	350	160	100	87	May 10, 1946	T,Ng, --	Irr	--	--	--	
N7-167	3½ miles north	G. E. Whitney	do.	1943	471	10	459	290	179	116.5	Mar. 3, 1948	T,Ng, --	Irr	--	--	220	Used in conjunction with N7-168, 169, and 170.
N7-168	3½ miles northwest	do.	do.	--	478	10	--	270	134	116.9	do.	T,Ng, --	Irr	--	--	--	Log.
N7-169	3½ miles north	H. Rouw	do.	1945	456	10	456	207	173	95	Oct. 1945	T,Ng, --	Irr	--	--	--	Youngblood farm.
N7-170	3 miles north	do.	do.	1942	460	10	460	310	85	95	Aug. 1942	T,Ng, --	Irr	--	--	175	Youngblood farm. Log.
N7-171	3½ miles north	Carroll Burns	Elmo Owens	1947	600	12	280	--	200	--	--	T,G	Irr	--	--	100	
N7-172	1½ miles northwest	Mobley Bros.	do.	1948	330	12	146	--	150	--	--	--	Irr	--	--	0	Offset N7-99.
N7-173	½ mile north	City of Carrizo Springs	do.	1943	338	16	122	118	--	117	Nov. 2, 1948	T,E, 30	P	--	--	--	Static level 117 feet, pumping level 178 feet. Actually dewatering sand. Log.
N7-174	1½ miles west	L. H. Upchurch	--	--	--	--	--	--	--	--	--	C,G	Irr	--	--	6	
N7-175	10½ miles northwest	J. L. Mogford	R. B. Owens	1948	250	12	34	4	130	95	Oct. 8, 1948	--	Irr	--	--	25	
N7-176	11 miles northwest	do.	do.	1948	254	12	32	4	143	95	Oct. 23, 1948	--	Irr	--	--	0	

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N7-177	8 miles northwest	-- Bennett	R. B. Owens	1948	400	12	56	130	115	105	June 15, 1948	T,G	Irr	---	--	0	
N7-178	12½ miles northwest	Frank Harris	O. F. Webb	1947	485	10	485	--	--	85	Oct. 1947	T,Ng	Irr	--	--	0	
N7-179	12 miles northwest	H. L. Sweet	E. Owens	1949	344	12	78	75	230	--	--	T	Irr	--	--	0	
N7-180	2 miles south	Joe Gardner	Luke Simpson	1924	440	10	100 ⁺	100	250	--	--	C,W	D,S	30	0	0	Reported, in 1938, no irrigation since 1936.
N7-181	do.	-- Beasley	Elmo Owens	1928	256	10	93	114	256	--	--	T,E, 10	D,S, Irr	9	5	30	
N8-1	9¼ miles northeast	W. G. Orr	Geo. Leonard	1911	1,060	6¼	810	--	--	--	--	--	N	288	0	--	Formerly used in conjunction with N8-2.
N8-2	9¼ miles northeast	S. C. Freed	Cribbs & Davidson	1927	1,080	10	1,080	840	222	--	--	T,-	N	--	120	--	Casing: 190 feet of 10-inch; 620 feet of 8-inch; 270 feet of 6-5/8-inch perforated.
N8-3	10 miles northeast	do.	A. B. Brown	1928	92	6	--	--	--	53	Nov. 14, 1929	--	N	--	--	--	New well. Offset 50 feet away.
N8-4	do.	Mrs. M. B. White	do.	1928	77	6-5/8	--	--	--	37.5	Nov. 13, 1929	C,H	D	--	--	--	
N8-5	10¼ miles northeast	do.	do.	1928	100	6-5/8	100	--	--	44.6	Nov. 14, 1929	C,W	D,S	--	--	--	
N8-6	10 miles northeast	N. C. Ginter	Cribbs & Davidson	1927	1,208	10	1,208	984	221	--	--	T,E, 30	N	465	150	0	Reported no irrigation for several years prior to 1937-38. Used all river water.
N8-7	10¼ miles northeast	Little R	R. F. Schroeder	1923	1,085	15¼	1,085	925	--	78.0	Nov. 27, 1927	T,E, 25	D,S	320	320	0	Casing: 120 feet of 15¼-inch; 757 feet of 8-inch; 220 feet of 6¼-inch perforated.
N8-8	10¼ miles northeast	-- Wagner	Geo. Leonard	1911	1,212	7¼	1,012	1,010	202	--	--	T,D, 20	D,S, Irr	192	0	330	Reported, in 1938, no irrigation since 1935.

Table 1. Records of wells in Dimmit and Zavala Counties and Eastern Matagorda County - continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N8-9	4½ miles east	A. Wagner	Tom Leary	1912	1,094	8½	--	--	--	66.5	Oct. 31, 1929	T,-	N	60	0	--	Reported, in 1938, no irrigation since 1930.
N8-10	4½ miles east	Sam Ward	L.D.Stripling	1929	1,080	12½	1,053	790	270	--	--	T,G	Irr	160	0	160	Casing: 200 feet of 12½-inch; 527 feet of 8-inch; 333 feet of 6-5/8-inch perforated. Reported, in 1938, no irrigation since 1932. Log.
N8-11	11½ miles northeast	J. E. Baylor	Tom Leary	--	1,210	8	--	1,020	--	85.6	Nov. 26, 1929	C,W	S	--	--	--	
N8-12	7½ miles northeast	Hugh Greer	Cribbs & Davidson	--	1,020	10	760	815	205	--	--	T,E, 25	Irr	60	0	100	Reported no irrigation for several years prior to 1937-38.
N8-13	9 miles northeast	L. Wagner	do.	1928	1,140	10	1,140	965	175	--	--	T,E, 30	D,S, Irr	62	0	50	Casing: 284 feet of 10-inch; 706 feet of 8-inch; 168 feet of 6-5/8-inch perforated. Reported, in 1938, no irrigation since spring of 1937. Temp. 91° F.
N8-14	8½ miles northeast	Sid Parkinson	A. B. Webb	1912	1,137	6	1,137	--	--	61.0	Nov. 14, 1929	--	N	--	--	--	
N8-15	9½ miles northeast	N.C.Guenther	--	1925	1,175	--	--	--	--	67.5	do.	T,E, 37½	Irr	160	0	0	Reported, in 1938, no irrigation since 1933. Temp. 92° F.
N8-16	do.	E. P. Curtis	S. M. Owens	1910	1,116	8½	1,116	1,000	--	78.0	do.	T,G, 55	D,S	190	0	0	Reported, in 1938, no irrigation since 1933. Salty water.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N8-17	10 miles northeast	J.M.Merriwether	I.L.Dingman	1927	--	12	--	--	--	--	--	T,-	N	300	0	--	Reported no irrigation for several years prior to 1937-38.
N8-18	10½ miles northeast	J. E. Baylor	Tom Leary	1913	1,210	8	--	--	--	--	--	C,W	S	16	0	--	Do.
N8-19	5½ miles northeast	E. L. Omera	--	--	--	--	--	--	--	91.39	Apr. 7, 1939	--	N	--	--	0	Drilled for irrigation. Never used. To be used 1948-49. New pump.
N8-20	7½ miles northeast	A. N. Box	Floyd Triam	1927	1,250	12	--	--	--	--	--	T,E, 35	Irr	200	0	150	Reported, in 1937-38, no irrigation since 1935. Temp. 91° F.
N8-21	8 miles northeast	E. L. Omera	A. Coe	1912	1,070	8	--	--	--	--	--	T,-	N	45	0	--	Reported, in 1937-38, no irrigation since 1934. Temp. 91° F. Salty water.
N8-22	7½ miles northeast	Morris & Pannill	S. M. Owens	1910	1,100	8½	--	--	--	--	--	T,E, 20	S	90	105	0	
N8-23	8½ miles northeast	Fred Foster	A. B. Webb	1910	--	8	1,100	900	200	73.2	Nov. 15, 1929	--	N	--	--	--	Reported flowing 50 gallons a minute in 1913.
N8-24	4 miles northeast	H. P. Bailey	--	--	66	8	--	--	--	20.2	Nov. 18, 1929	--	N	--	--	--	Temp. 79½° F.
N8-25	do.	Hiram G. Hines	S. M. Owens	1907	654	6	--	574	--	42.0	do.	C,W	S	--	--	0	Reported flowing 100 gallons a minute in 1907 and 75 gallons a minute in 1913. Salty water.
N8-26	5½ miles northeast	Geo. Rheia	--	1908	818	8	--	675	143	62.5	do.	T,Tr, 55	D,S, Irr	--	22	2	

Table 1. Records of wells in Dyer and Nevada Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N8-27	5½ miles northeast	J. S. Ward	A. B. Webb	1909	818	6	650	675	143	61.5	Nov. 18, 1929	T, E, 10	D	--	0	0	Reported flowing 50 gallons a minute in 1913. Temp. 86° F.
N8-28	5½ miles northeast	do.	-- Petty	1928	1,008	6	--	--	--	64.8	do.	C, W	D, S	--	--	0	
N8-29	7½ miles northeast	J. C. & O. E. Bookout	Cribbs & Davidson	1928	1,005	12½	1,005	750	225	65.7	Nov. 15, 1929	T, E, 40	D, S, Irr	340	526	154	Casing: 210 feet of 12½-inch; 532 feet of 8-inch; 288 feet of 6-5/8-inch perforated. Temp. 88° F.
N8-30	2½ miles northeast	I. J. New	Frank Kellogg	1930	435	8	--	405	--	64.0	May 15, 1930	C, E, ¼	D, S	--	--	--	
N8-31	2½ miles northeast	M. M. Adams	S. M. Owens	1925	387	10	150	300	--	--	--	--	N	38	13	0	Offset.
N8-32	2½ miles northeast	L.D. Stripling	-- Owens	1910	--	6	--	--	--	--	--	--	N	16	0	--	Reported, in 1938, no irrigation since 1934.
N8-34	2 miles northeast	Judge J. L. Mogford	Frank Kellogg	1928	460	10	--	--	--	--	--	C, H	N	55	20	0	Gypsum.
N8-35	2½ miles northeast	J.G. Benavides	A. E. Eardley	1916	504	10	--	--	--	--	--	T, E, 10	D, S	44	3	0	
N8-36	do.	S. Statler	G. A. Petty	1920	440	10	--	--	--	--	--	--	N	--	--	--	
N8-37	do.	R. Rodriquiz	A. B. Webb	1903	510	7-5/8	50	350	--	--	--	T, Tr, 55	D, S, Irr	18	15	40	
N8-38	do.	F. Riha	Elmo Owens	1928	454	10	150	--	--	--	--	--	--	30	0	--	Reported, in 1938, no irrigation since 1936.
N8-39	2½ miles northeast	Frank Riha	A. E. Eardley	1910	459	6½	228	--	--	--	--	C, E	D, S	--	8	0	Reported flowing 100 gallons a minute when drilled and 80 gallons a minute in 1931.
N8-40	do.	John Stahl	--	1910	380	5½	--	--	--	43.6	Dec. 16, 1929	--	N	27	0	--	Replaced by N8-106 located 50 feet southwest.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N8-41	2½ miles northeast	John Stahl	--	1910	--	6	--	--	--	--	--	--	N	--	--	--	
N8-42	2½ miles northeast	W. Wilcox	K. B. Ayres	1907	425	5-7/8	55	--	--	43.0	May 7, 1930	--	N	45	0	--	Replaced by N8-43.
N8-43	do.	A. N. Box	Frank Kellogg	1930	522	10	176	370	--	41.6	do.	T, D, 83	D, S	--	10	10	Citrus irrigation. Log.
N8-44	3 miles northeast	J. F. House	-- Moehrig	1903	550	5-5/8	330	380	120	--	--	--	D, S	22	0	0	Reported flowing 150 gallons a minute in 1907. Salty water.
N8-45	1½ miles east	Eardley Estate	A. E. Eardley	1904	500	6	80	400	--	86.2	Oct. 9, 1929	--	N	0	0	--	
N8-46	do.	G. W. Baylor	--	--	590	6	--	--	--	--	--	C, W	D, S	2	0	--	Reported, in 1937, no irrigation since 1934. Temp. 79° F.
N8-47	do.	Dimmit County Airport	--	--	500?	6	--	--	--	95.7	Oct. 12, 1929	--	N	--	--	--	
N8-48	2 miles east	do.	W. D. Morrison	1927	545	10	--	--	--	--	--	--	N	16	12	0	
N8-49	2½ miles east	C. W. Miller	do.	--	475	6	--	--	--	91.0	Oct. 12, 1929	C, W	D, S	--	--	--	
N8-50	2½ miles east	I. O. Kotchman	--	1904	570	5-5/8	--	400	170	73.8	do.	--	N	--	--	--	Reported flowing 400 gallons a minute when drilled.
N8-51	3 miles east	do.	Frank Kellogg	1927	707½	8	707	--	--	--	--	C, W	D, S	40	0	--	Reported, in 1938, no irrigation since 1935.
N8-52	4 miles northeast	Marion Allen	A. B. Webb	1924	565	8	--	--	--	--	--	T, D, 15	D, S, Irr	20	2	--	
N8-53	4½ miles northeast	W. A. Farley	Geo. Petty	1928	645	8	430	--	--	--	--	T, D, 15	Irr	23	7	--	
N8-54	do.	Mrs. Beatrice McClean	A. B. Webb	1925	640	8	250	--	--	--	--	T, D, 20	Irr	47	0	40	Reported, in 1938, no irrigation since 1934.
N8-55	4 miles northeast	F. C. Garcia	Geo. Petty	1929	733	8	500	490	243	--	--	T, D, 15	D, S, Irr	7	20	40	
N8-56	4½ miles northeast	John Ivey	A. B. Webb	1925	700?	10	--	--	--	59.0	Oct. 14, 1929	T, D	D, S, Irr	0	0	125	
N8-57	5½ miles northeast	Arthur Ivey	--	1924	835	8	--	--	--	--	--	--	N	--	--	--	

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N8-58	6 miles northeast	G. Denton Estate	--	--	834	8	--	--	--	45.7	Oct. 16, 1929	--	N	--	--	0	Deep oil test plugged back and formerly used for irrigation.
N8-59	6 1/2 miles northeast	Mrs. Jennie Campbell	--	--	35	8	--	--	--	2.8	do.	--	N	--	--	--	Probably yields water by seepage from Nueces River.
N8-60	10 1/4 miles northeast	W. S. Swart	--	--	--	6	--	--	--	38.9	Oct. 18, 1929	C, W	S	--	--	--	
N8-61	10 1/4 miles northeast	T. W. Courtney	A. B. Webb	1912	1,170	10	1,170	--	--	--	--	T, D, 25	D, S, Irr	80	26	--	
N8-62	11 1/2 miles northeast	G. Pickett	Tom Wren	1910	1,200	6	--	--	--	--	--	T, D, 25	D, S, Irr	0	35	35	
N8-63	11 1/2 miles northeast	F.V. Standifer	do.	1910	1,190	6	--	--	--	--	--	T, D, 20	D, S	40	42.5	0	Temp. 93° F. Abandoned 1947-48.
N8-64	In Brundage	City of Brundage	-- Wheeler	1909	1,170	6	--	--	--	--	--	C, D, 15	P	--	--	--	Supplies city of Brundage.
N8-65	2 miles east	A. A. Swindell	W.D. Morrison	1927	725	10	--	--	--	--	--	T, E, 15	Irr	85	28	--	
N8-66	do.	do.	Elmo Owens	1929	408	12	--	295	--	--	--	T, D, 20	D, S, Irr	--	--	25	Used in conjunction with N8-65.
N8-67	do.	S. P. Spalding	L. Simpson	1925	495	12	180	340	--	--	--	T, E, 20	D, S, Irr	109.5	30	100	Temp. 81° F.
N8-68	3 miles east	H.J. Whitecotton	S. M. Owens	--	512	10	--	--	--	--	--	C, W	S	16	0	0	Reported no irrigation for several years prior to 1937-38.
N8-69	4 miles east	do.	Geo. Petty	1928	680	10	542	542	--	--	--	C, D, 10	D, S	17.5	11	0	
N8-70	4 1/2 miles east	do.	--	1917	545	12	12	--	--	56.5	Nov. 29, 1930	T, E	D, S	--	--	0	
N8-71	7 miles east	Dr. B.E. Pickett	-- Seward	1927	--	8	--	--	--	52.9	do.	T, D, 20	D, S, Irr	0	40	115	Measuring point, top of pump base 1 1/2 foot below ground surface.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N8-72	8½ miles east	Reeves & Eardley	-- Seward	1928	866	10	630	630	--	--	--	T,D, 25	D,S	139	64	0	Casing: 260 feet of 10-inch; 370 feet of 8-inch.
N8-73	10½ miles east	Mrs. Moody Beason	C.W.Wheeler	--	--	6	--	--	--	30.0	Oct. 21, 1929	C,W	S	--	--	--	
N8-74	10½ miles east	Nueces Land & Irrigation Co.	--	1908	960	8	860	--	--	2	Feb. 1928	T,D, 25	N	80	120	0	Casing: 660 feet of 8-inch; 200 feet of 7½-inch perforated. Temp. 88° F.
N8-75	2 miles southeast	Ehler Bros.	-- Petty	1928	440	10	150	--	--	--	--	T,E, 25	D,S, Irr	166	126.5	--	Temp. 81° F.
N8-76	do.	do.	A.E.Eardley	1917	700	10	150	--	--	--	--	T,D, 15	D,S, Irr	--	--	--	Used in conjunction with N8-75. Temp. 80° F.
N8-77	2½ miles southeast	do.	L. Simpson	1923	441	10	150	--	--	--	--	T,E, 15	Irr	--	--	30	Leased by Smith & Stohl - Cotton.
N8-78	do.	U. R. Brown	Frank Kellogg	1925	500	10	150	--	--	--	--	C,D, 15	D,S	49	18	0	
N8-79	3½ miles southeast	Mrs. A. F. Childress	W.D.Morrison	--	615	10	--	496	--	--	--	--	N	--	--	--	
N8-80	3½ miles southeast	do.	A.E.Eardley	1903	600	8	--	--	--	75.2	June 26, 1930	--	N	--	--	--	Reported flowing 200 gallons a minute in 1903; no flow in 1913.
N8-81	4 miles east	Mrs. Cramer M. Bell	do.	1900	590	6	60	500	--	--	--	--	N	--	--	--	Do.
N8-82	4½ miles east	R. N. Mitchell	A. B. Webb	1907	660	6½	240	--	--	--	--	T,D, 20	D,S, Irr	16	35	35	Reported flowing 500 gallons a minute when drilled; no flow in 1913. Temp. 82° F.
N8-83	11½ miles east	M. McLean	R.J.Bauereisen	--	--	--	--	--	--	--	--	T,D, 60	D,S, Irr	100	201.5	150	

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thick-ness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N8-86	5 miles southeast	W. E. Wroe	A. B. Webb	1910	660	8	48	--	--	--	--	--	N	0	0	--	Reported flowing 700 gallons a minute when drilled.
N8-87	5 1/2 miles southeast	do.	--	1910	643	5-5/8	48	--	--	--	--	C, W	D, S	--	--	--	
N8-88	5 1/2 miles east	do.	--	1920	660	12	--	--	--	--	--	T, D, 45	N	--	--	0	Not used in 1947-48. Will be used 1948-49.
N8-89	7 1/4 miles northeast	D. Davenport	-- McKinley	1947	1,010	12	900	732	237	92	1947	T, Ng, 100	Irr	--	--	432	
N8-91	6 miles east	Eardley Estate	W. W. Miller	1903	725	8	350	--	--	--	--	--	N	--	--	--	Reported flowing 450 gallons a minute when drilled.
N8-92	3 1/2 miles northeast	E. Burton	--	Old	--	--	--	--	--	--	--	T, D, 25	Irr	--	--	40	
N8-97	8 1/2 miles east	M. McLean	Layne-Texas Co.	--	897	--	--	640	145	--	--	T, D, 60	Irr	350	1,035.5	100	
N8-98	8 1/2 miles east	do.	--	--	--	8	--	--	--	30	Feb. 1928	--	N	180	0	--	Reported, in 1938, no irrigation since 1934.
N8-99	9 1/4 miles east	do.	--	1906	852	6-5/8	--	--	--	30	Feb. 1928	--	N	--	--	--	Reported flowing 500 gallons a minute in 1906.
N8-100	8 1/2 miles east	do.	R. J. Bauereisen	--	1,100±	--	--	--	--	--	--	T, D, 25	N	--	0	0	
N8-101	9 1/4 miles east	do.	E. & F. Eckert	1927	1,135	10	960	706	156	39	Feb. 1928	T, D, 25	Irr	208	--	50	
N8-102	do.	do.	Layne-Texas Co.	--	1,224	15 1/2	1,224	685	110	--	--	T, D, 60	Irr	--	--	100	Log.
N8-103	10 1/2 miles east	do.	E. & F. Eckert	1927	780	10	--	694	--	40	Nov. 26, 1929	T, D, 25	D, S, Irr	160	--	30	
N8-104	3 1/2 miles northeast	Hiram G. Hines	G. A. Petty	1936	582	8	437	437	155	35.7	Dec. 4, 1937	T, G, --	Irr	--	--	35	Log.
N8-105	3 1/2 miles east	T. G. Paterson	Elmo Owens	1928	566	8	515	--	--	--	--	T, G	D, S, Irr	--	0	35	
N8-106	2 1/2 miles northeast	John Stahl	Petty Bros.	1936	450	8	150	--	--	57	Mar. 15, 1936	T, G, 65	D, S	--	21	0	Log.
N8-107	4 1/2 miles northeast	Jack Greer	--	--	--	--	--	--	--	--	--	T, D, 15	S, Irr	--	0	75	
N8-108	3 1/2 miles northeast	F. Webb	Elmo Owens	1935	564	10	--	--	--	39.8	July 15, 1939	C, G	D	--	13	0	Jack pump.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N8-109	10½ miles northeast	Sam Ward	Cribbs & Davidson	1931	1,204	8	1,011	1,011	189	--	Dec. 1931	T,G, 55	Irr	--	0	160	Casing: 1,011 feet of 10-inch; 212 feet of 8¼-inch perforated. Log.
N8-110	12¼ miles northeast	C. F. Jackson	do.	1932	1,200	12	1,200	955	245	--	--	T,D, 70	D,S, Irr	--	--	--	Casing: 290 feet of 12-inch; 644 feet of 8-inch; 297 feet of 6¼-inch perforated. Counted under N5-69.
N8-111	2½ miles southeast	W. H. Gardner	-- Petty	--	--	--	--	--	--	--	--	T,E	Irr	--	--	160	90 own - 70 leased Brown N8-78.
N8-114	10½ miles east	M. McLean	-- McKinley	1946	1,150	12	--	--	--	71.7	Jan. 22, 1948	--	N	--	--	--	New well. Pump not installed.
N8-115	2 miles northeast	Dimmit County	O. F. Webb	1948	510	8	--	216	157	130	Aug. 3, 1948	T,G	D	--	--	--	For airport use only.
N8-116	2½ miles northeast	J. M. Saunders	do.	1946	557	10	300	340	65	--	--	T,E, 30	Irr	--	--	47	Indio formation 525 to 557 feet.
N8-117	5½ miles northeast	Arthur Ivy	do.	1947	805	10	800	625	139	97	Dec. 1947	T,D	Irr	--	--	--	Supplements surface water.
N8-118	10½ miles northeast	S. C. Freed	I.C.Cribbs	1945	1,130	12-5/8	1,130	940	190	85	Sept. 20, 1945	T,G, 65	Ind	--	--	--	Supplies cannery. Log.
N8-119	5½ miles northeast	D.S.Starachan	--	Old	--	6	--	--	--	--	--	T,Ng	Irr	--	--	35	
N8-120	10 miles northeast	S. C. Freed	I.C.Cribbs	1946	1,120	12	812	810	--	100	Dec. 13, 1946	T,G, 65	Irr	--	--	350	
N8-121	2½ miles northeast	A. M. Thorpe	Chas.Petrie	1905	500	18	0	--	--	--	--	T,-	N	5.5	--	--	Reported, in 1938, no irrigation since 1935.
N8-122	10½ miles northeast	B. R. Guyler	Will Byrd & C.H.Goodlink	1912	912	6	912	820	--	--	--	--	N	--	50	0	Casing: 640 feet of 6-inch; 200 feet of 5-5/16-inch; 4¼-inch perforated to bottom.

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top of Carrizo sand (ft.)	Thickness of Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N8-123	11½ miles northeast	Sam Ward	L.D. Stripling	1930	1,114	10	805	889	225	--	--	T,D, 40	D,S, Irr	--	80	160	Casing: 275 feet of 10-inch; 530 feet of 8-inch. Swedge nipple between 8 and 10-inch. Reported no irrigation for several years prior to 1937-38.
N9-1	15½ miles northeast	W. C. Coffey	Floyd Trimm	1926	1,400	10	1,400	--	--	--	--	C,W	D,S	23	0	--	
N9-2	19½ miles northeast	S.A. Armstrong	--	--	2,000	6	--	1,550	235	51.3	Jan. 31, 1930	C,W	D,S	--	--	--	
N9-3	13 miles northeast	H. A. Moore	--	1912	1,236	6	1,200	--	--	26.1	Jan. 31, 1928	T,D, 20	D,S, Irr	66	93	150	Casing: 900 feet of 6-inch; 300 feet of 5-inch perforated. Temp. 95° F.
N9-4	13½ miles northeast	H. C. Moore	--	1920	--	--	--	--	--	33.6	Nov. 27, 1929	T,D, 20	Irr	80	38	80	
N9-5	15 miles northeast	P.C. Leveing	Howell & Stalter	1912	1,353	8	1,350	1,200	--	90.6	Nov. 29, 1929	T,D, 25	D,S, Irr	130	138	60	Casing: 920 feet of 8-inch; 250 feet of 7¼-inch; 175 feet of 6½-inch perforated. Temp. 98° F.
N9-6	17 miles northeast	O. H. Nance	Ed. Homer	1912	1,448	8	1,306	1,290	--	24.7	Feb. 1, 1929	T,D, 25	D,S, Irr	50	64	60	Casing: 1,306 feet of 8-inch. Temp. 98° F.
N9-7	18 miles northeast	J. T. Kinnard	Patterson, Zarderson & Rodley	1911	1,600	8	--	--	--	--	--	T,D, 25	D,S, Irr	--	63	5	Temp. 96° F.
N9-8	do.	H. Brown	C.W. Wheeler	1909	1,412	8	1,412	1,200	200	54.1	Nov. 30, 1929	T,D, 25	D,S	30	24	0	Casing: 808 feet of 8-inch; 404 feet of 5-inch; 200 feet of 5-inch per- forated. Temp. 98½° F.
N9-9	16½ miles northeast	W.H. Zimmerman	Ed. Homer	1914	1,147	8	1,147	--	--	32.5	Oct. 18, 1929	T,E, 15	D,S	22	0	0	Reported static head was 18½ feet above ground in 1916. Temp. 96° F.
N9-10	16½ miles northeast	Commercial National Bank	--	--	1,470	8	--	--	--	--	--	C,W	S	--	--	--	Temp. 96° F.

Table 1.-Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N9-11	16½ miles northeast	T. P. Bowles	Floyd Trimm	1928	1,553	10	1,553	--	--	26.0	Jan. 31, 1929	T, D, 25	D, S	--	0	0	Casing: 220 feet of 10-inch; 1,200 feet of 8-inch; 312 feet of 6½-inch perforated.
N9-12	17 miles northeast	Federal Land Bank	--	1911	1,469	10	1,469	--	--	17.8	Oct. 18, 1929	T, D, 25	S, Irr	--	--	80	Casing: 302 feet of 8-inch; 883 feet of 6-inch; 284 feet of 6-inch perforated.
N9-13	17½ miles northeast	do.	W.E. Stalter	1912	1,580	8	1,580	--	--	--	--	--	--	--	19	0	Casing: 840 feet of 8-inch; 260 feet of 7¼-inch; 480 feet of 6½-inch perforated at intervals.
N9-14	17½ miles northeast	B. F. Pickett	Cribbs & Davidson	1928	1,416	10	1,416	1,205	206	--	--	T, D, 25	D, S, Irr	44	57.5	55	Casing: 406 feet of 10-inch; 829½ feet of 8-inch; 218½ feet of 6-5/8-inch perforated.
N9-15	In Big Wells	City of Big Wells	Geo. Crowell	1909	1,580	6½	1,580	--	--	--	--	--	N	--	--	--	Plugged and abandoned. Replaced by N9-46.
N9-16	19½ miles northeast	N. Boyd	R. E. Homer	1914	1,640	8	--	1,380	230	74.0	Nov. 18, 1929	T, D, 42	D, S	100	230	--	Casing: 121 feet of 8-inch; 1,259 feet of 7¼-inch. Temp. 102° F. Water level 92.85; Jan. 16, 1948.
N9-17	12½ miles northeast	R. L. Jenkins	-- McCrary	1913	1,200	8	--	--	--	--	--	T, D, 25	D, S, Irr	43	48	--	

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N9-18	13 miles northeast	City of Brundage	A. E. Eardley	1909	1,137	8	1,137	--	--	--	--	--	N	31	0	0	Reported, in 1938, no irrigation since 1934.
N9-19	11½ miles east	M. McLean	Layne-Texas Co.	1909	1,224	10	--	--	30.6	Nov. 30, 1929	C, W	S	--	--	--	--	Water level, 43.56, Jan. 22, 1948.
N9-20	In Big Wells	City of Big Wells	Cribbs & Davidson	1937	1,355	10	400	1,170	90	--	T, E, 20	P	--	--	--	--	Casing: 400 feet of 10-inch. Broken sand at 895 to 950 feet. Supplies Big Wells. Log.
N9-21	14 miles northeast	Hancock Bros.	Littlejohn Drilling Co.	1911	1,365	8	1,365	--	--	--	T, D, 25	D, S, Irr	80	131	125	125	Temp. 94° F.
N9-22	13 miles northeast	J. F. Webb	Geo. Leonard	1912	1,410	6	1,400	--	--	--	T, G	D, S, Irr	45	25	60	60	Casing: 1,022 feet of 6-inch; 383 feet of 5-inch perforated.
N9-23	14½ miles northeast	C. W. Barker	Littlejohn Drilling Co.	--	--	--	--	--	--	--	T, G, 55	D, S	60	45	0	0	Not used in 1947-48.
N9-24	14 miles east	do.	Cribbs & Davidson	1927	1,305	12½	1,305	1,035	175	Nov. 29, 1929	T, G, 50	D, Irr	--	0	200	200	Casing: 208 feet of 12½-inch; 828 feet of 10-inch; 275 feet of 8½-inch perforated.
N9-25	14½ miles east	do.	--	--	1,300	10	--	--	--	do.	T, D, 25	D, S, Irr	--	211	175	175	Reported flowing in 1925.
N9-26	14½ miles east	Dr. L. B. Jackson	--	--	--	20	--	--	--	do.	T, D, 15	D, S	55	19.5	0	0	Not used in 1947-48.
N9-27	17½ miles east	Mrs. Regina Dullnig	C. W. Wheeler	1912	1,540	8	--	--	--	--	C, G, 8	C, G, Irr	102	0	30	30	Reported, in 1938, no irrigation since 1936.
N9-28	17 miles east	J. Straitz	do.	1910	1,394	6	--	--	--	--	--	D, S	48	45	0	0	Temp. 95° F.
N9-29	16½ miles east	do.	G. W. Crowell	1909	1,240	6½	--	--	--	Nov. 30, 1929	Flows N	N	--	--	--	--	Temp. 95° F.
N9-30	16½ miles east	C. W. Barker	W. E. Stalter	1912	1,226	8	1,226	--	--	--	T, E, 20	Irr	62	70	200	200	Casing: 868 feet of 8-inch; 260 feet of 7½-inch; 300 feet of 6½-inch perforated.
N9-31	17½ miles east	P. J. Lewis	do.	1911	1,408	8	1,408	--	--	--	T, E, 25	Irr	8	--	--	--	Casing: 868 feet of 8-inch; 260 feet of 7½-inch; 300 feet of 6½-inch perforated.

Table 1.-Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.) ^a	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
N9-32	17 miles east	P. J. Lewis	W. E. Stalter	--	1,428	8	1,428	1,270	--	22.8	Dec. 3, 1929	T,E, 25	D,S, Irr	--	455	455	Casing: 860 feet of 8-inch; 400 feet of 7½-inch; 158 feet of 6¼-inch perforated.
N9-33	17½ miles east	do.	C. W. Wheeler	1909	1,523	6	1,297	174	--	--	--	C,W	S	--	--	--	Casing: 806 feet of 6-inch; 256 feet of 5-inch; 450 feet of 5-inch perforated. Log.
N9-35	16½ miles east	V. I. Powers	--	--	1,447	10	1,447	--	--	--	--	T,D, 25	Irr	--	18	100	Oats.
N9-36	17½ miles east	-- Frito Co.	--	--	--	6	--	--	--	8.7	Jan. 16, 1929	T,E, 25	Irr	--	--	--	
N9-37	17½ miles east	do.	--	--	1,500	6	--	--	--	--	--	T,D, 25	D,S, Irr	20	0	300	No irrigation during 1937-38 season.
N9-38	18½ miles east	G. Lubbock	C. W. Wheeler	1914	1,720	10	--	1,420	160	--	--	T,D, 20	D,S, Irr	90	0	20	No irrigation during 1937-38 season. Temp. 96° F.
N9-39	18½ miles east	V. Murrell	W. M. Doods	1912	1,529	8	--	1,465	--	23.1	Jan. 16, 1930	T,D, 20	D,S, Irr	50	37	92	Casing: 1,026 feet of 8-inch; 83 feet of 6-5/8-inch; 420 feet of 6-5/8-inch perforated.
N9-40	19½ miles east	Vernon Standifer	--	--	--	8	--	--	--	--	--	T,D, 25	D,S	25	60.75	0	
N9-41	22 miles east	Jim Standifer	--	--	--	36	--	--	--	35.3	Dec. 3, 1929	--	N	--	--	--	
N9-42	21½ miles east	Wallace Rogers	--	--	120	6	--	--	--	--	--	C,W	S	--	--	--	Reported water highly mineralized. Temp. 80° F.
N9-43	21½ miles east	do.	--	--	1,760	8	1,760	1,535	--	27.0	Jan. 3, 1930	T,D, 20	N	--	59	0	
N9-44	19½ miles east	Mortgage Land & Investment Co.	--	--	100	5	--	--	--	--	--	--	N	--	--	--	Not Carrizo sand.
N9-45	17½ miles northeast	Federal Land Bank	--	--	--	6	--	--	--	--	--	--	N	--	57	0	

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top of Carrizo sand (ft.)	Thickness of Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)a/	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
07-1	26½ miles northeast	G. W. Hatch	Trinity Drilling Co.	1928	2,200	12	--	--	--	172	Mar. 15, 1928	--	N	0	0	0	
07-2	26½ miles northeast	do.	Bob Roberts	1929	1,800	12	--	--	--	129.8	Jan. 16, 1948	--	N	--	--	--	
07-3	26½ miles northeast	do.	do.	1929	1,800	12	--	--	--	96.1	Nov. 18, 1929	C,W	D,S	--	--	--	
07-4	27½ miles northeast	do.	do.	1929	1,400	12	--	--	--	--	--	--	N	--	--	--	
07-5	22½ miles northeast	F. V. Standifer	Bob Hall	--	110	5	--	--	--	61.0	Oct. 22, 1929	C,W	D,S	--	--	--	
07-6	24 miles east	Jim Standifer	do.	--	140	5	--	--	--	29.5	do.	C,W	S	--	--	--	
07-7	24½ miles east	do.	do.	--	160	5	--	--	--	58.5	do.	C,W	S	--	--	--	
07-8	22 miles east	W. Rogers	Floyd Trimm	1910	1,800	10	--	--	--	41.0	Jan. 4, 1930	C,W	D,S	--	--	--	Temp. 99° F.
07-9	25 miles east	D. Vesper	Jack Ward	1909	1,800	6½	--	1,600	--	--	--	C,W	D,S	--	--	--	
R3-1	10½ miles southwest	John Bonham	--	--	--	--	--	--	--	--	--	C,W	D,S	--	--	--	
R3-2	12½ miles southwest	Hal A. Hamilton	--	--	--	6	--	--	--	--	--	C,W	S	--	--	--	
R3-3	13 miles southwest	do.	--	--	--	6	--	--	--	--	--	C,W	S	--	--	--	
R3-4	11½ miles southwest	do.	--	--	--	6	--	--	--	--	--	C,W	S	--	--	--	
R3-5	do.	do.	--	--	--	6	--	--	--	--	--	C,W	D,S	--	--	--	
R3-6	12½ miles southwest	W. C. Ammann	-- Owen	1930	475	6	--	--	--	--	--	C,W	D,S	--	--	--	Reported sands at 210 to 220 feet and 230 to 240 feet. Temp. 81° F.
R3-7	13½ miles southwest	--	-- Howard	--	600	6	--	--	--	--	--	--	N	--	--	--	
R3-8	16½ miles southwest	Hal A. Hamilton	--	--	--	6	--	--	--	--	--	C,W	S	--	--	--	
R3-9	15 miles southwest	do.	--	--	50	6	--	--	--	42.6	Feb. 10, 1930	C,W	S	--	--	--	
R3-10	do.	do.	-- Owen	1929	--	10	--	--	--	105.3	do.	C,W	S	--	--	--	

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.) ^{a/}	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
Sl-1	5½ miles southwest	S. E. McKnight	--	1915	250	10	--	--	150	101.6	Jan. 9, 1930	C, G, 1½	D	--	--	--	
Sl-2	3¾ miles southwest	do.	--	1930	253	10	15	--	225	67.0	May 13, 1930	C, W	S	--	--	--	
Sl-3	2¾ miles southwest	A. Hausen	Charley L. Lindenborn	1928	320	10	--	--	--	--	--	T, E, 15	D, S, Irr	57	22	33	
Sl-4	2¾ miles southwest	Mrs. Chas. Bradshaw	Frank Kellogg	1927	462	10	--	--	--	--	--	T, G, 65	D, S, Irr	--	27	--	
Sl-5	2¾ miles southwest	Etta Finhaute	Elmo Owen	1930	250	12	12	--	235	--	--	C, D, 6	D	0	2.5	0	
Sl-6	do.	Cruz Pena	S. M. Owen	1916	235	10	100	--	235	--	--	C, D, 6	D	6	5	0	
Sl-7	do.	E. B. Cartwright	Charley L. Lindenborn	1928	325	12	0	--	325	--	--	C, E, 5	D, S, Irr	9	6	7	
Sl-8	2¾ miles southwest	Mrs. Chas. Bradshaw	do.	1927	312	10	--	--	--	--	--	C, W	S	14	0	0	Reported no irrigation for several years prior to 1937-38.
Sl-9	3 miles southwest	Mrs. F. K. Davis	Elmo Owen	--	210	10	20	--	200	--	--	T, G, 60	D, S, Irr	0	6.5	--	
Sl-10	do.	C. Greseclose	W. D. Morrison	1929	250	10	30	--	240	--	--	T, G, 50	D, S, Irr	10	11.5	30	
Sl-11	2¾ miles southwest	Dr. W. L. Northcut	Charley Lindenborn	1928	150	15	6	--	145	45.2	Jan. 7, 1930	--	N	--	--	--	
Sl-14	5¾ miles southwest	J. C. Johnson	--	1930	240	10	20	--	195	56.4	Mar. 4, 1930	C, W	S	-0	0	0	
Sl-15	6 miles southwest	do.	--	1930	270	10	20	--	260	52.2	Apr. 1, 1930	C, W	S	0	0	0	Temp. 79° F.
Sl-16	4¾ miles southwest	C. W. Gilfillan & Son	--	1929	295	10	20	63	290	54.7	Mar. 1, 1930	T, E, 10	D, S, Irr	10	45	45	
Sl-17	4¾ miles southwest	J. C. Johnson	Frank Kellogg	--	200	10	--	--	--	39.0	Nov. 14, 1929	C, W	D, S	--	--	--	
Sl-18	do.	do.	--	1930	320	10	30	--	320	106.7	Apr. 5, 1939	--	N	0	0	0	Temp. 79½° F. Log.
Sl-19	3¾ miles south	Erskine Rhodes	Frank Kellogg	1925	360	10	90	--	--	88.0	Mar. 7, 1930	C, D, 10	D, S, Irr	15	12	--	
Sl-20	3¾ miles south	G. E. Light	--	--	--	6	--	--	--	94.0	Mar. 8, 1930	--	N	--	--	--	
Sl-21	3 miles southeast	W. T. Powell	Frank Kellogg	--	410	--	--	--	--	--	--	T, D, 25	D, S, Irr	12	25	25	Reported drilled through three strata of sand.

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.) _a	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
S1-24	5½ miles southwest	O. P. Leonard	--	1930	--	10	--	--	--	51	Feb. 20, 1930	T,G, 65	Irr	--	--	25	
S1-25	6 miles southwest	Johnson Ranch	--	--	--	10	--	--	--	56.0	Nov. 12, 1930	C,W	D,S	--	--	--	
S1-26	5½ miles south	Judge S. G. Taylor	A.E. Eardley	1902	350	6½	100	--	--	50.4	Mar. 8, 1930	C,W	D,S	--	--	--	
S1-29	8½ miles southwest	C. T. Shook Estate	--	--	--	5	--	--	--	--	--	C,W	S	--	--	--	
S1-30	11½ miles southwest	H.A. Fitzsimmons	--	--	280	8	--	--	--	197.2	Nov. 12, 1930	C,W	S	--	--	--	
S1-31	9¼ miles southwest	Joe Gardner	A.E. Eardley	1903	640	8	100	600	--	20	1913	C,W	D,S	--	--	--	
S1-32	6 miles southwest	H. C. Umburn	--	1932	--	8	--	--	--	--	--	T,E, 15	D,S, Irr	--	72	34	
S1-33	4½ miles southwest	P. E. Burlison	--	--	--	8	--	--	--	--	--	T,-	Irr	--	8	8	
S1-34	5¼ miles southwest	A.D. Groseclose	--	1930	380	10	--	--	--	--	--	T,D, 20	Irr	--	10	60	
S1-35	do.	R.C. Salisbury	G. A. Petty	1932	323	10	29	--	--	--	--	--	N	--	--	--	
S1-36	4¼ miles southwest	Jeff Fowler	do.	1932	326	10	39	--	--	--	--	--	N	--	--	--	
S1-37	6 miles southwest	O. P. Leonard	--	1930	--	8	--	--	--	--	--	--	N	--	--	--	
S1-38	6½ miles southwest	G.J. Kroscheusky	Elmo Owens	1930	--	8	--	--	--	--	--	T,D, 20	D,S, Irr	--	37.75	40	
S1-39	do.	N. Erickson	do.	1932	--	8	--	--	--	--	--	T,D, 30	D,S, Irr	--	18	32	
S1-40	7½ miles southwest	H. Brauyer	do.	1936	--	--	--	--	--	--	--	T,D, 30	D,S, Irr	--	24	40	
S1-41	5¼ miles southwest	W. V. Ausmos	O. F. Webb	1947	275	10	40	190	100	--	--	T,E, 15	Irr	--	--	20	
S1-42	5½ miles southwest	do.	do.	1946	330	10	60	220	100	--	--	T,E, 20	Irr	--	--	40	
S1-43	5½ miles southwest	Enid L. Vance	do.	1944	360	10	40	--	--	90	1944	T,E, 15	Irr	--	--	40	
S1-44	4¼ miles southwest	W. A. Morris	do.	1947	341	10	60	210	148	--	--	T,Ng, 40	Irr	--	--	30	
S1-45	4¼ miles south	Walker Burns	-- Morrison	1922	355	10	45	--	--	--	--	T,D, 72	Irr	--	--	80	
S1-46	4¼ miles south	do.	Elmo Owens	1944	355	10	40	90	165	--	--	T,D, 62	Irr	--	--	150	Probably some sand of Indio formation.
S1-47	4¼ miles south	do.	-- Morrison	1922	404	10	40	--	--	--	--	T,D, 72	Irr	--	--	150	Do.

Table 1.-Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.) _{a/}	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
S1-48	4½ miles south	Walker Burns	-- Morrison	1922	355	10	40	--	--	--	--	T, G, 72	Irr	--	--	100	
S1-49	do.	do.	do.	1922	355	10	40	--	--	--	--	T, G, 50	Irr	--	--	--	Used very little, 1947-48.
S1-50	4½ miles southeast	H. Rouw	I. C. Cribbs	1944	670	10	670	245	155	--	--	T, E, 40	Irr	--	--	--	See S2-135. Log.
S1-51	2½ miles southeast	Eardley Estate	O. F. Webb	1946	545	10	270	275	95	--	--	T, D, 70	Irr	--	--	110	
S1-52	5 miles south	Walker Burns	R. B. Owens	1948	355	10	60	100	--	--	--	T, G, 41	Irr	--	--	40	
S1-53	12 miles southwest	Carl Johnson	-- Owens	1930	253	6	--	--	250	--	--	C, W	S	--	--	--	
S1-54	2½ miles southwest	Mogford & Kimble	Humble Oil & Refining Co.	1946	2,994	--	--	--	--	--	--	--	--	--	--	--	Oil test.
S2-1	3½ miles southeast	F. Guerrera	--	1925	510	8	300	118	--	--	--	C, O, 10	D, S, Irr	24	15	30	
S2-2	3½ miles southeast	Stennitt & Oelkers	-- Burkett	1926	600	--	--	--	--	--	--	T, E, 30	D, S, Irr	325	49		
S2-3	3½ miles southeast	do.	do.	1926	600	--	--	--	--	--	--	T, E, 25	D, S, Irr	--	25	306	Temp. 83° F.
S2-4	3½ miles southeast	B. Bounds	Cribbs & Davidson	1927	694	10	--	400	140	100	Feb. 20, 1927	T, E, 15	Irr	100	202.25	95	Temp. 83½° F. Log.
S2-5	do.	do.	--	--	634	10	--	--	--	--	--	C, W	D, S	--	--	--	
S2-6	do.	W. E. Wroe	A. E. Eardley	1903	638	6½	100	--	--	--	--	--	N	--	--	--	Reported flowing 100 gallons a minute in 1903; none in 1913. Bridged at 33 feet in 1938.
S2-7	4 miles southeast	N. Borden	L. Simpson	1921	720	10	500	--	--	--	--	T, E, 25	D	65	113.5	0	Now used for house well. Temp. 85° F.
S2-8	4½ miles southeast	Eardley Estate	W. W. Miller	1918	670	10	320±	--	--	--	--	T, D, 25	D, S, Irr	266	43	43	Formerly used in conjunction with S2-9, S2-10, and S2-11. Temp. 83° F.
S2-9	do.	do.	A. B. Webb	---	670	8	320	--	--	--	--	--	N	--	0	0	
S2-10	4½ miles southeast	do.	W. W. Miller	1926	670	10	265	--	--	--	--	--	N	--	0	0	
S2-11	do.	do.	do.	1903	640	10	100	--	--	--	--	T, D, 20	Irr	--	0	45	

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thick-ness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.) _a	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
S2-12	5 miles southeast	Richardson Estate	--	1900	601	12	--	--	--	--	--	--	N	--	262	0	Temp. 84° F. Salty water.
S2-13	do.	do.	--	1915	601	12	--	--	--	--	--	--	N	10	0	0	Temp. 83° F.
S2-15	7 miles east	Francis Giller	--	1913	700	8	300±	--	--	--	--	T,D, 15	Irr	45	105	75	
S2-16	7½ miles east	W. S. Minus	Luke Simpson	1910	723	8½	153	550	150	--	--	--	N	--	--	--	
S2-17	7 miles east	Francis Giller	do.	1910	700	6	350	--	--	--	--	--	N	50	0	0	
S2-18	4½ miles southeast	J. Kinney	Elmo Owens	1930	670	10	518	325	140	--	--	T,E, 25	D,S, Irr	--	25	40	Temp. 83° F.
S2-19	do.	Alamo Lumber Co.	A. B. Webb	1903	600	5-5/8	215	350	--	--	--	--	N	--	--	--	
S2-20	4 miles southeast	do.	do.	1903	418	6½	200	350	--	--	--	--	N	--	--	--	
S2-21	4½ miles southeast	Joe White	A.E. Eardley	1904	500	8	80	--	--	--	--	C,W	D,S	8	--	--	Reported no irrigation for several years prior to 1937-38.
S2-22	do.	J. A. Hibdon	--	1915	740	12	740	--	--	--	--	C,D, 25	D,S	100	118	0	Casing: 200 feet of 12-inch; 400 feet of 8-inch; 140 feet of 5-inch perforated.
S2-23	5 miles southeast	A. J. Votaw	--	1916	600	6	--	--	--	--	--	T,D, 20	D,S, Irr	20	0	40	Temp. 83° F.
S2-24	6 miles southeast	-- Gay	W. W. Miller	1928	667	12	290	--	--	116.0	Nov. 15, 1929	T,E, 25	D,S, Irr	92	105.5	--	Temp. 83½° F.
S2-25	6½ miles southeast	Oscar Pollard	Luke Simpson	1927	677	10	420	420	243	--	--	T,D, 20	D,S	40	60	0	Has equipment. Not used in 1947-48.
S2-27	9½ miles southeast	Mrs. J. A. McDonald	W. W. Miller	--	1,000	8	--	--	--	75.2	Nov. 26, 1929	T,G, 60	D,S	--	--	--	Completed before 1910.
S2-28	10½ miles southeast	F. T. Fuller	Luke Simpson	1924	820	6	820	700	--	--	--	C,W	D,S	--	--	--	
S2-29	5 miles southeast	H. Rouw	-- Petty	1928	680	10	--	--	--	87.8	Oct. 22, 1929	T,E	Irr	56	0	0	Original depth, 380 feet. Deepened to 680 feet. Reported, in 1938, no irrigation since 1933.

Table 1.-Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.) ^{a/}	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
S2-30	6½ miles southeast	J. N. Lockley	Frank Kellogg	1925	650	10	250	--	--	--	--	T,D, 25	D,S, Irr	55	93.5	70	
S2-31	do.	Wm. Werner	--	1927	625	6	375	375	245	--	--	T,D, 20	D,S, Irr	30	24	24	
S2-32	do.	H. F. Dillinger	L. Simpson	1927	693	10	377	385	298	--	--	T,D, 25	D,S, Irr	83	57	57	
S2-33	7 miles southeast	Kimble Land & Cattle Co.	--	--	--	6	400±	--	--	--	--	--	N	--	--	--	
S2-34	do.	H. W. Goodpaster	A.E.Eardley	--	1,000	--	--	--	--	--	--	T,D, 25	D,S, Irr	70	44	30	Completed before 1910.
S2-35	6½ miles southeast	-- Farrow	L. Simpson	--	600	--	--	--	--	--	--	T,D, 20	Irr	70	0	60	Reported no irrigation for several years prior to 1937-38.
S2-36	6½ miles southeast	-- Wiatriech	do.	--	675	6	450	--	--	--	--	--	N	69	30	0	Completed before 1915. Abandoned.
S2-37	do.	A. Silvas	--	--	--	6½	--	--	--	--	--	T,E, 20	D,S, Irr	--	23.75	24	
S2-38	do.	V. Martinez	--	--	--	6½	--	--	--	--	--	T,E, 20	D,S, Irr	--	9	20	
S2-39	do.	P. E. Johnson	--	--	500	5½	500	--	--	--	--	C,W	D,S	40	4	0	
S2-40	do.	do.	J. C. Moore	1911	800	6½	--	--	--	--	--	C,W	D,S	--	--	--	
S2-42	do.	J. Votaw	--	1928	--	10	--	--	--	56.7	Oct. 15, 1929	--	N	40	0	--	Reported no irrigation for several years prior to 1937-38.
S2-43	7½ miles southeast	do.	--	1929	700	10	300±	--	--	--	--	T,Ng, 60	S, Irr	--	--	100	
S2-44	do.	J. C. Minus	W.D.Morrison	1929	600	10	300	520	--	--	--	C,W	D,S	20	0	0	Temp. 81½° F.
S2-45	8 miles southeast	C. M. Oliver	--	1912	650	6	--	530	--	--	--	C,W	S	--	--	--	Reported flowed until 1917.
S2-46	7½ miles southeast	W. E. Wroe	W. W. Miller	1922	--	12	350	365	--	180	May 1929	--	N	259.5	18.26	0	
S2-47	7½ miles southeast	do.	C.Davenport	1922	803	12	350	380	100	--	--	--	N	--	--	--	Well shot with nitro-glycerine, reported capacity increased from 200 to 900 gallons a minute.
S2-48	7½ miles southeast	O. Granberry	L. Simpson	1926	601	10	350	--	--	--	--	T,D, 25	Irr	64	5.5	10	

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thick-ness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks	
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)		
S2-49	7½ miles southeast	C. H. Risley	N. Simpson	1909	666	6	400±	--	--	--	--	C, W	D, S	8	24.5	0	Reported no irrigation for several years prior to 1937-38.	
S2-50	do.	do.	J. C. Moore	1909	860	6	460	460	--	--	--	--	N	--	--	--		
S2-51	7½ miles southeast	Mrs. R.D.Campbell	N. Simpson	1909	643	6	373	--	--	--	--	C, W	D, S	21	0	0		
S2-52	do.	do.	do.	1909	650	6	373	--	--	--	--	--	N	--	--	--		
S2-53	do.	W. C. Smith	W. W. Miller	1917	680	6	400	--	--	--	--	T, D, 15	D, S	33	11	0		
S2-54	do.	D. O. Leftwich	Cribbs & Davidson	1911	625	12½	320	479	136	--	--	T, E, 30	Irr	78	37	37		
S2-56	do.	P. D. Smith	C. Davenport	1922	499	10	350	390	--	--	--	T, D, 25	D, S, Irr	22	0	50		Reported, in 1938, no irrigation since 1932.
S2-57	do.	W. A. Williams	--	1911	691	6½	320	--	--	--	--	C, W	D, S	--	--	--		
S2-58	do.	Geo. Courtney	N. Simpson	1910	749	6	310	--	--	--	--	T, D, 25	D, S, Irr	63	63	100		Reported flowing 125 gallons a minute when drilled.
S2-59	8 miles southeast	O. Granberry	--	1923	537	10	350	--	--	--	--	T, D, 25	Irr	100	30	20		
S2-60	8½ miles southeast	C. C. Caperton	N. Simpson	--	703	8	--	--	--	--	--	--	N	21	29.25	0	Completed before 1910.	
S2-61	In Asherton	W. C. Campbell	L. Simpson	--	--	6	--	--	--	--	--	--	N	60	0	0	Reported, in 1938, no irrigation since 1935.	
S2-62	do.	Central Light & Power Co.	Layne-Texas Co.	1926	640	12	352	566	--	52.5	June 19, 1927	T, E, 25	P	--	--	--	Supplies city of Asherton. Temp. 82° F.	
S2-63	8½ miles southeast	Alamo Lumber Co.	W. W. Miller	1907	600	6	--	--	--	--	--	--	N	--	--	--	Reported flowing 300 gallons a minute in 1908.	
S2-64	8½ miles southeast	do.	do.	1914	740	12½	300	--	--	93.3	Oct. 15, 1929	--	N	125	121.5	0	Temp. 84° F.	
S2-65	do.	Polo Vasquez	Geo. Crowell	1910	774	12	774	525	245	--	--	--	N	110	0	--	Casing: 320 feet of 12-inch; 454 feet of 9-5/8-inch perforated.	

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Land irrigated			Remarks
										Below land surface (ft.)g/	Date of measurement		Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
S2-66	8½ miles southeast	Polo Vasquez	--	--	774	6	300	--	--	--	T, E, 25	0	0	80	Completed before 1905.	
S2-67	9 miles southeast	do.	--	1921	740	6	360	--	--	--	--	--	17	0		
S2-68	do.	J. G. Garcia	--	1910	600	6	--	--	--	--	T, D, 25	--	2.5	20		
S2-69	8½ miles southeast	E. T. Grisham	--	1917	586	6	350	--	--	--	--	--	16	0		
S2-70	8½ miles southeast	Mrs. Maggie Tollet	--	--	--	6	--	67.8	--	Dec. 21, 1938	--	--	2	0		
S2-71	8½ miles southeast	E. T. Grisham	--	1915	716	6	300	--	--	--	--	--	--	--		
S2-72	do.	do.	Geo. Crowell	1915	680	8	300	--	--	--	T, O, 42	--	--	60		
S2-73	9 miles southeast	Mrs. W. R. Harris	Fred Poole	1917	730	6	--	--	--	--	--	--	2	0		
S2-74	8½ miles southeast	C. M. Mathis	S. M. Owens	1917	736	8	--	--	--	--	--	8	0	0	Reported, in 1938, no irrigation since 1933.	
S2-75	do.	Alamo Lumber Co.	--	--	--	6	--	--	--	--	C, W	--	--	--		
S2-76	9 miles southeast	O. K. Braune	G. A. Petty	1928	690	10	400	490	200	--	C, D, 10	18	19.5	0	Casing: 240 feet of 10-inch; 160 feet of 8-inch. Temp, 86° F.	
S2-77	do.	Gordon Smith	--	--	--	10	--	--	--	--	--	20	0	0	Reported, in 1938, no irrigation since 1942.	
S2-78	10½ miles southeast	-- McClendon	N. Simpson	1911	1,000	12	400	--	--	Dec. 7, 1930	C, G, 6	60	0	0	Reported, in 1938, no irrigation since 1933. Temp. 88° F.	
S2-79	11½ miles southeast	Roger Brown	L. Simpson	1910	960	12	250	--	--	--	C, D, 20	20	0	0	Reported, in 1938, no irrigation since 1937.	
S2-80	11½ miles southeast	P. G. Scruggs	Cribbs & Davidson	1926	933	10	312	730	203	--	T, E, 25	100	60	60		
S2-81	11½ miles southeast	C. C. Mull	--	--	--	--	--	--	--	--	T, D, 20	55	12	80		

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.) _a	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
S2-82	11½ miles southeast	Alamo Lumber Co.	Fred Poole	--	--	--	--	--	--	144.9	Dec. 20, 1938	T,D, 37½	D,S	113	82	0	Temp. 89° F.
S2-83	11½ miles southeast	G. Grisham	Floyd Trimm	1926	1,100	10	830	--	--	--	--	T,Ng, 60	Irr	85	0	107	Casing: 165 feet of 10-inch; 400 feet of 8-inch; 265 feet of 6-5/8-inch perforated. Temp. 88° F.
S2-84	11½ miles southeast	C. M. Decker	W. W. Miller	1917	822	8½	822	655	--	--	--	--	N	5	0	0	Casing: 400 feet of 8½-inch; 422 feet of 7¼-inch perforated. Reported, in 1938, no irrigation since 1932.
S2-85	11½ miles southeast	A. E. Powell	Cribbs & Davidson	1928	985	10	742	710	204	--	--	--	N	75	0	0	Casing: 302 feet of 10-inch; 440 feet of 8-inch. Reported, in 1938, no irrigation since 1932. Temp. 89° F.
S2-86	12 miles southeast	D. J. Hill	Fred Poole	1928	1,021	10	727	835	170	--	--	T,O, 40	Irr	77	0	80	Reported, in 1938, no irrigation since 1936. Temp. 91° F.
S2-87	11½ miles southeast	Miller & Holsonback	--	1928	996	10	712	712	281	--	--	C,W	S	80	0	0	Casing: 344 feet of 10-inch; 368 feet of 8½-inch. Reported, in 1938, no irrigation since 1933. Temp. 88° F.
S2-88	12½ miles southeast	L. Hester	Fred Poole	1928	1,020	10	--	860	147	--	--	T,E, 20	D,S	145	70	0	Temp. 80° F.
S2-89	do.	Joe Moss	Cribbs & Davidson	1928	1,016	10	795	785	225	--	--	T,D, 60	D,S Irr	90	73	30	

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.) _g	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
S2-91	12½ miles southeast	L. Zanbrecher	--	--	1,385	10	--	1,004	202	153.5	Dec. 13, 1929	--	N	--	--	--	
S2-92	13¾ miles southeast	H. A. Dillon	Fred Poole	--	1,018	10	1,018	832	183	--	--	T,D	Irr	100	0	20	Casing: 400 feet of 10-inch; 320 feet of 8¼-inch; 321 feet of 5-3/16-inch perforated. Reported, in 1938, no irrigation since 1933.
S2-93	13¾ miles southeast	do.	Floyd Trimm	1926	1,085	10	--	--	--	--	--	--	N	30	0	0	Reported, in 1938, no irrigation since 1930.
S2-94	do.	Catarina Farms	--	--	1,424	10	--	1,215	209	190.7	Dec. 10, 1929	C,W	S	--	--	--	Log.
S2-95	14 miles southeast	Wm. Raver	Fred Poole	1928	1,141	8	872	867	273	--	--	C,W	D,S	31	0	0	Casing: 8-inch cemented at 872 feet. Reported, in 1938, no irrigation since 1931.
S2-96	13¾ miles southeast	L. Hester	--	--	1,081	--	--	805	217	--	--	T,E, 25	D,S, Irr	74.5	120	135	Temp. 90° F.
S2-97	14¾ miles southeast	J. H. Long	--	1928	1,099	8	809	864	230	--	--	--	N	70	0	--	Reported, in 1938, no irrigation since 1935.
S2-98	14¾ miles southeast	Catarina Farms	Fred Poole	1928	1,195	10	871	876	317	--	--	C,W	D,S	50	0	--	Reported, in 1938, no irrigation since 1931.
S2-99	15 miles southeast	C. M. Kilgore	Floyd Trimm	1927	1,143	10	790	780	--	--	--	C,W	S	43	0	--	Reported, in 1938, no irrigation since 1935. Temp. 91¼° F.
S2-100	15¾ miles southeast	R. A. Smith	--	--	--	10	--	--	--	138.2	Nov. 20, 1929	--	N	45	0	--	Reported, in 1938, no irrigation since 1934. Temp. 91° F.
S2-102	15¾ miles southeast	do.	Floyd Trimm	1926	1,185	10	--	990	--	110.8	Oct. 25, 1929	--	N	130	0	0	Not used during 1937-38 season.

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.) ^a	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
S2-103	4 1/4 miles southeast	M. W. Fardwell	--	1932	512	8 1/4	90	--	--	80	1932	T,E, 20	D,S, Irr	--	34	30	
S2-104	4 1/4 miles southeast	M. Ramos	--	1928	350	8 1/4	200	--	--	--	--	C,D, 10	D,S, Irr	--	16	20	
S2-105	5 miles southeast	C. A. Johnson	--	1931	500	8 1/4	--	--	--	--	--	C,D, 6	D,S	--	10	0	
S2-106	do.	Mrs. Felix Reynolds	--	1931	503	8 1/4	--	--	--	--	--	C,W	D,S	--	6	0	
S2-107	4 miles southeast	A. Jung	--	1931	728	10	563	563	165	--	--	T,E, 30	Irr	--	69	70	Casing: 305 feet of 10-inch; 123 feet of 8-inch set at 563 feet.
S2-108	8 1/4 miles southeast	L. F. Kleeman	--	--	--	--	--	--	--	--	--	T,G, 60	D,S	--	15	0	
S2-109	8 1/4 miles southeast	-- Elem	--	--	650	8	650	400	150	--	--	T,D, 25	D,S, Irr	--	44	10	Casing: 400 feet of 8-inch; 250 feet of 5-3/16-inch perforated. Temp. 81° F.
S2-110	7 1/4 miles southeast	E. F. Simpson	--	--	--	6	--	--	--	--	--	T,D, 20	D,S, Irr	--	10	10	
S2-111	1 1/4 miles southeast	J. H. Long	Floyd Trimm	1931	--	--	--	--	--	--	--	T,D, 25	D,S, Irr	--	85	24	Orchard irrigation.
S2-112	5 miles southeast	Joseph Herman	--	--	--	--	--	--	--	--	--	--	N	--	19	0	
S2-113	4 1/4 miles southeast	H. Rouw	I.C.Cribbs	1944	900	10	652	230	155	110	July 14, 1944	T,E, 40	Irr	--	--	--	Used in conjunction with S1-50, 51, 52, 53, and S2-29, 114, 115, and 135. Log.
S2-114	5 1/4 miles southeast	do.	do.	1944	600	10	660	320	70	140	Nov. 9, 1944	T,E, 40	Irr	--	--	--	
S2-115	5 miles southeast	do.	do.	1945	506	10	506	240	90	100	Mar. 7, 1945	T,E, 40	Irr	--	--	--	Log.
S2-116	3 miles southeast	J. T. Stinnitt	do.	1943	572	10	572	380	192	135	July 1948	T,E	Irr	--	--	181	Used in conjunction with N8-114.
S2-117	4 miles southeast	N. Borden	do.	1940	--	--	--	--	--	--	--	T,E	Irr	--	--	100	
S2-118	9 1/4 miles southeast	-- Elem	--	1945	--	10	--	--	--	--	--	T,G, 60	Irr	--	--	120	
S2-119	8 1/4 miles southeast	A. Heam	--	--	--	--	--	--	--	--	--	T,G	Irr	--	--	11	

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.) <u>a/</u>	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
S2-120	8½ miles southeast	Gene Grisham	O. F. Webb	1943	706	8	706	510	177	70	1943	T,E, 30	Irr	--	--	60	
S2-121	4½ miles southeast	W. E. Wroe	--	--	650	8	350	--	--	--	--	T,-	D,S, Irr	--	--	25	
S2-122	5¼ miles southeast	Eardley Estate	Miller Bros.	1910	663	6	320	--	--	--	--	T,D, 16	D,S	--	--	0	Reported flowing 400 gallons a minute when drilled. Temp. 82° F.
S2-123	6¼ miles southeast	do.	--	1916	625±	10	400	--	--	--	--	T,D	D,S	--	--	0	Reported no irrigation for several years prior to 1937-38.
S2-124	do.	do.	--	1916	675	8	400	--	--	--	--	--	N	--	--	--	Do.
S2-125	6¼ miles southeast	do.	--	1920	670	10	--	--	--	--	--	--	N	55	0	--	Do.
S2-126	6¼ miles southeast	do.	--	--	--	6	--	--	--	--	--	--	N	--	--	--	Do.
S2-127	7 miles southeast	do.	W. W. Miller	1916	675	10	373	--	--	--	--	--	N	--	--	--	Do.
S2-128	5¼ miles southeast	Wm. Volbrecht	A. E. Eardley	1903	720	10	50	462	220	--	--	C,W	S	59	0	--	Reported flowing 1,200 gallons a minute when drilled. Reported no irrigation for several years prior to 1937-38. Log.
S2-129	5 miles southeast	W. E. Wroe	--	1921	660	15	350	424	220	--	--	T,-	Irr	--	--	17	
S2-130	4¼ miles southeast	do.	W. W. Miller	1926	660	12	320	--	--	--	--	T,-	Irr	--	--	70	Used in conjunction with N8-85, N8-88, and S2-121.
S2-131	3 miles southeast	J. Galan	O. F. Webb	1945	610	10	610	312	80	--	--	T,G	Irr	--	--	--	Acres irrigated not known.
S2-132	2¼ miles southeast	J. C. Oelkers	I. C. Cribbs	1941	565	10	565	465	100	--	--	T,E	Irr	--	--	179	Used in conjunction with S2-116. Log.
S2-133	3¼ miles southeast	J. W. Walthall	Frank Kellogg	--	420	8	--	--	--	--	--	T,E, 30	D,S, Irr	29	0	--	Reported no irrigation for several years prior to 1937-38.

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
S2-134	3 1/4 miles southeast	J. W. Walthall	Frank Kellogg	1924	452	10	150	--	--	--	--	T, E, 30	D, S, Irr	30	32	126	Temp. 80° F.
S2-135	4 1/2 miles southeast	H. Rouw Co.	S. M. Owen	--	--	--	--	--	--	--	--	T, D, 20	D, S, Irr	0	90	700	Supplemented by 8 other wells on farm. S1-50, 51, 52, 53, and S2-29, 113, 114, and 115.
S2-136	do.	H. Rouw	I. C. Cribbs	1944	665	10	665	290	130	130	July 31, 1944	T, E, 40	Irr	--	--	--	Used with 8 other wells, see S2-135. Log.
S2-137	4 1/2 miles southeast	do.	do.	1944	675	12	675	240	125	--	--	T, E, 40	Irr	--	--	--	Do.
S2-138	5 miles southeast	Judge S. G. Taylor	--	--	--	6	--	--	--	50.7	Mar. 8, 1930	--	N	--	--	--	
S2-139	4 1/2 miles southeast	H. Rouw	I. C. Cribbs	1942	624	10	439	235	152	118	May 2, 1942	T, E, 40	Irr	--	--	--	Used with 8 other wells, see S2-135.
S2-140	5 1/2 miles southeast	Ethel Payne	The Texas Co.	1947	4,013	--	--	--	--	--	--	--	--	--	--	--	Oil test.
S3-1	20 1/2 miles east	Wm. O'Brien	A. H. Rife	1910	1,800+	6	1,800	--	--	--	Jan. 4, 1930	T, D, 20	D, S, Irr	0	48	20	Casing: 1,400 feet of 6-inch; 400 feet of 5 1/2-inch perforated. Flowing, Jan. 4, 1930. Reported temp. 104° F. when drilled.
S3-2	21 miles east	C. J. Ducos	Floyd Trimm	--	1,668	8	--	--	--	--	Jan. 31, 1930	T, D, 15	D, S, Irr	16	20	20	Flowing, Jan. 31, 1930.
S3-3	do.	Weaver & Gary	do.	1924	1,697	8	1,400	--	--	--	Jan. 4, 1930	T, D, 20	D, S, Irr	0	53	60	Flowing, Jan. 4, 1930.
S3-4	do.	-- Rasmussen, et. al.	W. M. Doods	--	1,776	8	1,776	--	--	--	do.	T, D, 20	D, S, Irr	0	50	75	Casing: 1,400 feet of 8-inch; 376 feet of 7 1/2-inch perforated. Reported flowing 50 gallons a minute Jan. 4, 1930. Temp. 99° F. Feb. 1, 1928.
S3-5	13 miles southeast	R. E. Brooks	--	--	--	--	--	--	--	-78	Jan. 1928	T, G, 30	D, S, Irr	60	0	--	Reported no irrigation for several years prior to 1937-38.

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.) _a	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
S3-6	13½ miles southeast	C. Ward	--	1927	--	--	--	--	--	78.3	Mar. 21, 1927	T,Ng, 40	Irr	72	0	180	Reported no irrigation for several years prior to 1937-38.
S3-7	17½ miles southeast	Emerson, O'Banion & Rick	Floyd Trimm	1929	1,400	8	1,098	1,098	308	--	--	--	N	80	0	0	Eight-inch set and cemented at 1,098 feet. Reported, in 1938, no irrigation since 1935.
S3-8	do.	Catarina Farms Co.	do.	--	1,263	12	--	950	--	146.3	Nov. 19, 1929	C,W	D,S	160	0	0	Reported, in 1938, no irrigation since 1932. Temp. 93° F.
S3-9	do.	H. Nolt	--	1928	1,283	10	970	960	320	--	--	--	-N	80	0	0	Ten-inch casing set and cemented at 970 feet. Reported, in 1938, no irrigation since 1935.
S3-10	19½ miles southeast	H. H. Coffield	--	1928	1,419	8	--	1,130	285	84.0	Dec. 17, 1929	T,D, 40	Irr	47	0	44	Reported, in 1938, no irrigation since 1934. Temp. 96° F.
S3-11	21 miles southeast	do.	Floyd Trimm	1924	1,470	8	--	--	--	15	Jan. 1930	T,D, 40	Irr	28	0	120	Reported no irrigation for several years prior to 1937-38. Temp. 94° F.
S3-12	16½ miles southeast	Catarina Farms Co.	--	--	--	--	--	--	--	--	--	C,W	S	138	0	0	Reported, in 1938, no irrigation since 1933.
S3-13	17½ miles southeast	C. N. Beasley	Floyd Trimm	1926	1,315	10	980	980	200	115	Oct. 1929	T,E, 30	D,S, Irr	100	152	25	Casing: 150 feet of 10-inch; 830 feet of 8-inch. Temp. 95° F.
S3-14	17½ miles southeast	Irwin & Mosley	--	1928	1,226	10	951	1,030	--	--	--	--	N	65	0	0	Casing: 10-inch set at 951 feet. Reported, in 1938, no irrigation since 1932.

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thick-ness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.) _{a/}	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
S3-15	17½ miles southeast	B. Ewell	--	--	--	--	--	--	--	--	--	--	N	50	0	0	Reported, in 1938, no irrigation since 1933.
S3-16	17 miles southeast	Catarina Farms Co.	--	--	10	--	--	--	140.6	Apr. 8, 1939	--	N	--	--	--	--	
S3-17	18 miles southeast	do.	--	1928	1,339	10	1,021	1,021	239	--	--	C,W	D,S	20	35	0	Casing: 10-inch set and cemented at 1,021 feet.
S3-18	18½ miles southeast	do.	--	1928	1,355	--	985	1,042	218	71.0	Nov. 19, 1929	--	N	120	0	0	Reported, in 1938, no irrigation since 1934.
S3-19	19¼ miles southeast	-- McArdle	--	1927	1,297	10	1,008	--	--	--	--	T,G, 65	Irr	--	33.75	30	Casing: 525 feet of 10-inch; 483 feet of 8-inch set with lead seal. Temp. 93° F.
S3-20	17½ miles southeast	H. A. Dillon	Fred Poole	--	1,280	10	1,259	1,006	269	104	July 17, 1929	C,W	D,S	65	0	0	Casing: 315 feet of 10-inch; 629 feet of 8-inch; 315 feet of perforated. Reported, in 1938, no irrigation since 1931.
S3-21	22¼ miles southeast	C. L. Howard	Floyd Trimm	--	1,574	10	--	--	--	15.0	July 5, 1930	T,G, 20	S	27	0	0	Reported, in 1938, no irrigation since 1935.
S3-22	In Catarina	Catarina Farms Co.	do.	--	1,140	12½	1,025	980	--	102.6	Dec. 22, 1938	T,E, 50	P,Irr	--	75	86	Casing: 307 feet of 12½-inch; 718 feet of 10-inch. Supplies town of Catarina. Temp. 99° F.
S3-23	19¼ miles southeast	Franklin Shank	--	--	--	--	--	--	--	--	--	C,W	D,S	140	0	0	Reported, in 1938, no irrigation since 1930.
S3-24	15¼ miles southeast	J. P. Giles	Floyd Trimm	1926	1,188	10	--	--	--	138.2	Nov. 20, 1929	--	N	75	7	0	

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.)a/	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
S3-25	13½ miles southeast	R. E. Brooks	--	1928	--	10	--	--	--	127.5	Dec. 14, 1929	T, G, 30	D, S, Irr	120	85	120	Temp. 89½° F.
S3-26	22 miles southeast	J. T. Baber	-- Dodd	1912	1,700	8	--	1,465	235	--	Jan. 3, 1930	Cf, O, 20	D, S, Irr	55	44	110	Flowing on Jan. 3, 1930. Log. Oil test.
S3-27	15 miles southeast	H. A. Dillon	The Texas Co.	1946	4,809	--	--	--	--	--	--	--	--	--	--	--	Oil test.
S4-1	14¼ miles southwest	W. W. McRory	--	1914	600	6	200	--	--	145±	1927	C, W	D, S	30	0	--	Sand reported from 380 to 400 feet. Reported, in 1938, no irrigation since 1932.
S4-2	do.	McRory Estate	A. E. Eardley	1911	960	10	--	--	--	174	Feb. 7, 1928	C, W	D, S	--	--	--	Log.
S4-3	15¼ miles southwest	Dentonio School Board	L. Simpson	1925	515±	6	250	--	--	181.7	Nov. 12, 1929	C, W	N	--	--	--	Sand reported from 450 to 475 feet.
S5-1	13¾ miles southwest	Catarina Farms Co.	--	--	--	4	--	--	--	--	--	C, W	S	--	--	--	Casing: 394 feet of 10-inch; 662 feet of 8¼-inch.
S5-2	13¾ miles southwest	do.	--	--	1,375	10	1,056	1,156	215	194.8	Dec. 10, 1929	C, W	S	--	--	--	
S5-3	16¾ miles southwest	do.	--	1928	1,422	10	1,044	1,180	234	122.2	do.	--	N	--	--	--	
S5-4	16¾ miles south	do.	--	--	--	6	--	--	--	115.1	Dec. 12, 1929	C, W	S	--	--	--	
S5-5	18¾ miles south	do.	--	1928	1,374	12	1,083	1,085	255	73.2	Dec. 10, 1929	C, W	D, S	--	--	--	Casing: 380 feet of 12-inch; 793 feet of 10-inch.
S5-6	do.	Dr. E. A. Gilson Estate	--	1928	1,524	10	1,344	1,344	178	72.0	Dec. 11, 1929	C, W	S	120	0	0	Reported, in 1938, no irrigation since 1935.
S5-7	19 miles southeast	E. C. Smith	--	1928	1,655	10	--	1,500	153	--	--	C, W	S	--	--	--	Yielded 312 gallons a minute on test of Nov. 20, 1928.
S5-8	17¾ miles southeast	Alex Durst	--	--	1,632	--	--	1,385	--	--	--	--	N	--	--	--	Casing pulled. Do.
S5-9	19 miles southeast	Catarina Farms Co.	--	1928	1,540	10	--	1,330	--	--	--	--	N	--	--	--	
S5-10	19¾ miles southeast	do.	--	--	1,615	10	--	1,405	--	85.9	Dec. 11, 1929	C, W	S	--	--	--	

Table 1.- Records of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Well	Distance from Carrizo Springs	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Depth cased (ft.)	Depth to top Carrizo sand (ft.)	Thickness Carrizo sand (ft.)	Water level		Method of lift	Use of water	Land irrigated			Remarks
										Below land surface (ft.) _a	Date of measurement			Season 1929-30 (acres)	Season 1937-38 (acres)	Season 1947-48 (acres)	
T1-5	24½ miles southeast	R. W. Wilson	--	1913	1,710	8	--	1,550	--	25	Jan. 6, 1930	T,D	D,S	--	--	--	Reported flowing Feb. 1928. Temp. 86° F.
T1-6	26¾ miles southeast	Silverlake Ranch	--	1910	--	--	--	--	--	--	Oct. 26, 1930	C,W	D,S	--	--	--	
T4-1	27¾ miles southeast	G. E. Light	--	1910	2,040	--	--	--	--	58.	do.	T,D, 35	D,S	--	0	--	Could not measure water level.
T4-2	27¾ miles southeast	do.	--	--	--	5-3/16	--	--	--	57.8	May 16, 1940	C,W	S	--	--	--	
T4-3	31½ miles southeast	do.	Wilcox Oil & Gas Co.	--	8,048	--	--	--	--	--	--	--	--	--	--	--	Oil test.

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County, Texas

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well H7-10</u>					
J. N. Wheelless, $4\frac{3}{4}$ miles northwest of La Pryor.					
Soil	3	3	Sand and gravel ...	32	112
Clay	27	30	Water sand	28	140
Clay, gravel and sand ...	50	80	Blue sandy shale ..	4	144
<u>Well H7-12</u>					
-- Scott, 5 miles northwest of La Pryor.					
Soil	3	3	Dry white sand.....	28	108
Clay	17	20	Water sand	57	165
Clay and "hard pan"	50	70	Sand and red clay ..	5	170
Clay and gravel	5	75	Sand	5	175
Sand and clay	5	80			
<u>Well H7-20</u>					
O. V. Vickery, $5\frac{1}{4}$ miles north of La Pryor.					
Soil	3	3	Dry sand	18	85
Yellow clay	22	25	Light-colored clay .	8	93
Clay and gravel	38	63	Water sand	37	130
Gravel; water	4	67			
<u>Well H7-21</u>					
O. V. Vickery, $5\frac{1}{2}$ miles north of La Pryor.					
Soil	4	4	Water sand	94	144
Yellow clay	46	50	Shale	20	164
<u>Well H7-22</u>					
O. V. Vickery, $5\frac{1}{4}$ miles north of La Pryor.					
Soil	3	3	Yellow sand	17	137
Yellow clay	52	55	Sandy shale	3	140
Coarse gravel	10	65	Gray sand	37	177
Sand	35	100	Brown shale	15	192
Gumbo	20	120			

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well H7-23</u>					
O. V. Vickery, 4-3/4 miles north of La Pryor.					
Soil	4	4	Gumbo	13	128
Yellow clay	33	37	Hard sand	14	142
Loose white sand	73	110	Loose gray sand ...	25	167
Yellow sand	5	115	Gumbo	15	182
<u>Well H7-30</u>					
A. R. Hibdon, 5 1/2 miles northwest of La Pryor.					
Top soil	3	3	Water seep	3	133
Clay	3	6	Dark shale	47	180
Sand and clay	44	50	Blue sandy shale ...	10	190
White clay	10	60	Dark shale	9	199
Blue shale	70	130			
<u>Well M3-6</u>					
M. Rambie, 16-3/4 miles west of La Pryor.					
White sand	40	40	White water sand	10	51 1/2
Black "basalt" rock	1 1/2	41 1/2	Yellow to red water sand	48 1/2	100
<u>Well M3-20</u>					
Gus Black Estate, 18-3/4 miles west of La Pryor.					
Dry sand	50	50	Water sand	28	80
"Shell"	2	52			
<u>Well M3-24</u>					
C. F. Jackson, 16 1/2 miles west of La Pryor.					
Dry sand	48	48	Hard rock	10	90
Water sand	12	60	Water sand	12	102
Dry yellow sand	20	80			

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well M9-3</u>					
Fred Erskine, 11½ miles west of Crystal City.					
Rock	40	40	Clay and sandy		
Blue clay	10	50	clay	65	280
Sand rock and blue			Pack sand with some		
clay	10	60	water. Contained		
Hard rock	2	62	particles of lignite		
Tough blue shale	18	80	and rotten wood	56	336
Sandy clay	47	127	Coarse white water sand	90	426
Sand, water tasted			Fine gray sand	6	432
sweet	13	140			
Hard rock	7	147			
Shale	11	158			
Sand rock	57	215			

Well N1-5

-- Grant, 3¾ miles northwest of La Pryor.

Soil	2½	2½	Dry sand and clay	28	103
Brown and light			Water sand	74½	177½
colored clay.....	52½	55			
Gravel and clay	20	75			

Well N1-7

D. H. Monkhouse, 4¼ miles northwest of La Pryor.

Top soil	3	3	White sand and clay ..	31	111
Clay.....	67	70	Sand (water)	54	165
Gravel and clay	5	75	Clay and sand	10	175
Sand and clay	5	80			

Well N1-16

Mathews Ranch, 6 miles west of La Pryor.

Top soil	3	3	Rock.....	1	56
Clay.....	12	15	Blue shale.....	14	70
Clay and gravel	20	35	Sand and yellow clay .	20	90
Blue shale	20	55	Sand	67	157

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
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Well N1-17

Mathews Ranch, 5 miles west of La Pryor.

Top sand and clay	10	10	Blue shale	5	115
Sand and sand rock	82	92	Gray sand	10	125
Water sand	18	110	Blue or dark shale ..	9	134

Well N1-21

A. R. Hibdon, 3 miles northwest of La Pryor.

Soil	3	3	Water sand	13	115
Light-colored clay	32	35	Blue sandstone	5	120
"Hard-pan"	10	45	Dark-colored shale ...	5	125
Sandstone	2	47	Blue shale	5	130
Blue sand	5	52	Water sand	7	137
Yellow sand	18	70	Blue shale	38	175
Blue shale	15	85	Water sand	20	195
Blue sand and shale ...	10	95	Yellow clay	5	200
Blue shale	7	102	Water sand	64	264

Well N1-25J. A. Lanning, 3 $\frac{1}{4}$ miles north of La Pryor.

Soil	3	3	Light-blue clay	26	120
Light-colored clay	27	30	Sand and clay	45	165
Clay and "hard pan"	40	70	Water sand	35	200
Gravel and clay	24	94			

Well N1-30

J. P. Warren, 3 miles north of La Pryor.

Soil	3	3	Lignite and shale	3	63
Clay	9	12	Brown shale	8	71
Sandstone	2	14	Sand and shale	9	80
Sand and clay	6	20	Dark-colored shale ...	20	100
"Joint" clay	5	25	Light-blue shale	17	117
Light-blue clay	15	40	Yellow clay and sand .	3	120
Sandy shale	20	60	Water sand	60	180

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N1-38</u>					
Earl Harvey, $1\frac{1}{2}$ miles north of La Pryor.					
Soil	3	3	Dark sandy shale	35	195
Clay	37	40	Soft sandstone	1	196
Sand and clay	20	60	Dark sandy shale	14	210
Light-colored clay	40	100	Gray sandy shale	24	234
Blue clay	20	120	Black shale and coal .	11	245
Shale and pyrites	1	121	Gray sand; small amount		
Dark-colored clay	4	125	of water	15	260
Brown clay	5	130	Light-blue shale	15	275
Sandy shale	10	140	Dark-colored shale ...	5	280
Sandstone	5	145	Fine gray sand; water.	45	325
Hard gray shale	5	150	Water sand	50	375
Sandy gray shale	10	160	Sticky blue shale	5	380
<u>Well N1-45</u>					
Paul Jessee, $\frac{1}{2}$ mile northwest of La Pryor.					
Soil, clay and sand ...	80	80	Water sand	15	215
Red sandy clay	15	95	Dark-colored and		
Blue clay	25	120	blue shale	33	248
Water sand	20	140	Water sand	67	315
Blue shale	60	200			
<u>Well N1-51</u>					
-- Wilson, in La Pryor.					
Soil	3	3	Gray shale	20	195
Clay	17	20	Lignite and shale	10	205
Clay and "hard pan"	20	40	Dark-colored shale	45	250
Clay	55	95	Sandy shale	25	275
Blue sand	5	100	Dark-colored shale	105	380
Rock shell	1	101	Dark-colored sandy		
Light-blue clay	19	120	shale	50	430
Sandstone	3	123	Blue shale	40	470
Sandy shale; water	47	170	Sand and pyrites	49	519
Dark-colored shale	5	175	Water sand	51	570

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Thickness (feet)		Depth (feet)		Thickness (feet)		Depth (feet)	
<u>Well N1-53</u>							
J. A. Michalk, $1\frac{1}{2}$ miles south of La Pryor.							
Soil	3	3	Blue shale	123	200		
Silty clay-loam	10	13	Blue clay	10	210		
Sandy clay	64	77	Water sand	35	245		
<u>Well N1-55</u>							
I. T. Pryor, Estate, $1\frac{1}{2}$ miles south of La Pryor.							
Surface	94	94	Hard rock	7	505		
Red sand and clay	6	100	Shale, "soapstone" and asphalt	15	520		
Blue shale and boulders	111	211	Hard rock	4	524		
Blue sand	8	219	Shale and "soapstone" .	26	550		
Hard rock	2	221	Packed sand	50	600		
Blue sand	8	229	Hard shale	120	720		
Blue shale	144	373	White water sand	60	780		
Blue shale with streaks of asphalt	18	391	Shale	20	800		
Shale, "soapstone" and asphalt	107	498					
<u>Well N1-56</u>							
T. L. Pitts, 2 miles south of La Pryor.							
Soil	3	3	Dark-colored sandy shale; water	10	150		
Clay	84	87	Blue shale	35	185		
Gravel	3	90	Sandy shale	15	200		
"Joint" clay	10	100	Pepper sand and gravel water	30	230		
Light-colored clay	15	115					
Blue clay	25	140					
<u>Well N1-57</u>							
T. J. Dube, $2\frac{1}{4}$ miles south of La Pryor.							
Soil	3	3	Sand and clay	46	86		
Light-colored clay	17	20	Gravel; water	11	97		
"Hard pan" and clay ...	20	40					

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N1-62</u>					
Mathews Ranch, 4 miles southwest of La Pryor.					
Top soil.....	3	3	Dark blue shale	220	400
Clay	29	32	Sandy shale	70	470
Clay and gravel	3	35	Dark blue shale	60	530
Yellow clay	67	102	Gray water sand	10	540
Dry sand	18	120	Blue shale	15	555
Blue shale	8	128	Fine hard sand	30	585
Dry sand	17	145	Blue shale	5	590
Blue shale	7	152	Sand	20	610
Dirty gray water sand ..	28	180	Blue shale	20	630

Well N1-66

Mrs. Emma Mangum, 4 miles south of La Pryor.

Top soil	3	3	Dark shale	40	300
Clay	27	30	Dark sandy shale	35	335
Gravel and sand	5	35	Sand rock	3	338
Clay	50	85	Dark sandy shale	112	450
Light blue shale	35	120	Gray sand	15	465
Gray water sand	5	125	Sandy gray shale	115	580
Light blue shale	40	165	Sand	15	595
Sand rock	2	167	Dark shale	5	600
Blue shale	83	250	Sand (water)	55	655
Dark shale, coal showing ..	10	260			

Well N1-75Sam Kone, 2 $\frac{3}{4}$ miles west of La Pryor.

Top soil	3	3	"Paratish" rock	1	131
Clay	37	40	Hard sandy shale	9	140
Clay and hardpan	27	67	Blue shale	4	144
Gravel and clay	11	78	Gray sand rock	2	146
Clay with blue and yellow streaks	12	90	Lignite	1	147
Blue shale	31	121	Sand rock	1	148
Gray sand rock	1	122	Brown shale	8	156
Brown shale little coal	8	130	Sand rock	1	157
			Blue shale	11	168
			Sandy shale	8	176

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Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N1-75-Continued</u>					
Blue shale	10	186	Gray sand-water	60	318
Lignite and little coal.....	2	188	Brown shale-tuff	5	323
Fine gray sand-water ..	5	193	Brown sandy shale	7	330
Blue shale	6	199	Gray sand	12	342
Rock or mud rock	2	201	Sand rock	1	343
Blue shale	14	215	Blue shale	17	360
Brown shale	10	225	Light blue shale, sticky	15	375
Gray sand rock- hard	1	226	Sandy shale	15	380
Blue shale	6	232	Light blue shale, sticky	5	385
Brown shale	21	253	Sand	8	493
Dark brown shale- tuff	5	258	Blue shale	1	494

Well N2-24Kirby Attwood, $\frac{3}{4}$ mile southeast of La Pryor.

Top soil	3	3	Brown chocolate shale	10	165
Clay	12	15	Gray shale	4	169
Hardpan and clay	10	25	Gray sand rock	2	171
Clay	23	48	Gray shale	5	176
Yellow clay	6	54	Gray sandy shale	7	183
Hardpan (dark)	2	56	Gray sand (water) or pepper sand	29	212
Yellow and blue shale ..	9	65	Blue shale	3	215
Blue and green shale ...	8	73	Gray water sand or pepper sand.....	11	226
Black shale	2	75	Dark sticky shale	3	229
Hardpan and yellow shale	2	77	Blue shale	17	246
Sand rock	1	78	Black shale, coal and lignite	2	248
Blue and gray shale	2	80	Blue shale	18	266
Light gray shale	14	94	Gray rock	2	268
Gray shale	11	105	Brown shale	4	272
Sand rock	1	106	Blue sticky shale	13	285
Gray shale	4	110	Brown shale	5	290
Dark gray shale	6	116	Blue sticky shale	35	325
Gray shale	5	121	Dark brown shale	5	330
Black lignite	1	122	Gumbo little coal	17	347
Brown chocolate shale ..	8	130	Brown shale	17	364
Gray shale	5	135	Brown shale (sticky)..	3	367
Brown shale.....	2	137	Brown and gray sandy shale	18	385
Coal (water seep)	1	138			
Brown chocolate shale ..	8	146			
Rock	1	147			
Gray shale	8	155			

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Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N2-24-Continued</u>					
Blue shale (sticky).....	3	388	Brown and gray shale...	4	463
Rock and sand	1	389	Sand rock	2	465
Brown shale	17	406	Brown and gray shale		
Blue shale little rock	2	408	streaks of sand	7	472
Blue shale	4	412	Light blue shale		
Dark lignite shale	3	415	(sticky)	7	479
Brown shale with gray			Gray sand rock	1	480
streaks	9	424	Light blue shale		
Brown shale (sticky) ..	13	437	(sticky)	6	486
Blue sticky shale	3	440	Mud rock	2	488
Blue shale	9	449	Light blue shale-		
Gray sand rock	1	450	sticky	8	496
Blue shale	5	455	Sand rock	4	500
"Paratish" rock hard,			Gray sand (water)	17	517
and mud rock	2	457	Light blue shale sticky	6	523
Dark shale (lignite) ..	2	459	Light blue shale hard .	2	525
			Sand (water)	91	616
			Blue shale	1	617

Well N3-2J. B. Reeves, 1 $\frac{1}{4}$ miles north of Batesville.

Yellow clay.....	40	40	Fine water sand	75	120
Gravel	5	45	Blue clay	12	132

Well N4-4

R. A. Nash, 10 miles north of Crystal City.

Red sandy soil	30	30	Rock	1	490
Broken boulders	10	40	Sandy shale and rock ..	34	524
Yellow clay	30	70	Water sand	26	550
Hard gray and blue			Blue shale	12	562
shale	40	110	Very hard rock	3	565
Yellow sand	23	133	Shale and boulders	7	572
Blue shale	70	203	Rock	5	577
Rock	29	232	Shale and rock	13	590
Shale	38	270	Brown shale	29	619
Hard shale with thin			Rock	5	624
rock stratas	88	358	Sandy shale and boulders	19	643
Shale and boulders	90	448	Water sand	15	658
Soft shale	41	489	Shale and sand	7	665

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Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N4-4--Continued</u>					
Rock	5	670	Soft shale	12	776
Broken sand and shale .	6	676	Rock	1	777
Coarse water sand	84	760	Sticky shale	25	802
Hard black sand	4	764	Rock	1	803

Well N4-13

S. B. Carr Estate, 7 miles west of Crystal City.

Soil	5	5	Lime	2	417
Yellow clay	25	30	Brown sandy shale	13	430
Blue shale	30	60	Lime	3	433
Sandy water	20	80	Water sand	7	440
Blue shale	50	130	Brown shale	40	480
Brown shale	5	135	Sandy shale	10	490
Blue shale	85	220	Lime	3	493
Water sand	10	230	Sandy shale	7	500
Blue shale	25	255	Water sand	8	508
Lime	3	258	Lime	2	510
Blue shale	32	290	Brown shale	20	530
Brown shale	13	303	Coarse sand	13	543
Blue shale	27	330	Lime	5	548
Brown shale	7	337	Blue shale	2	550
Blue shale	7	344	Sand	10	560
Brown shale	26	370	Brown shale	14	574
Sand	10	380	Big sand	46	620
Blue shale	25	405	Loose sand	146	766
Sand; hole full of water	10	415			

Well N4-36John W. Laird, $3\frac{1}{4}$ miles north of Crystal City.

Yellow clay	60	60	Hard broken shale and boulders	290	790
Soft white limestone ...	20	80	Hard sandrock	20	810
Blue shale and hard sand rock	70	150	Sandrock; water	70	880
Tough gumbo	125	275	Fine water sand	10	890
Blue shale	225	500	Coarse water sand	76	966

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N4-55</u>					
D. C. Mandell, 7 miles west of Crystal City.					
Soil	3	3	Brown shale	21	335
Yellow clay	22	25	Light-colored water		
Blue shale	155	180	sand	15	350
Brown shale	10	190	Blue shale	50	400
Blue shale	20	210	Sandy shale	15	415
Brown shale	5	215	Blue shale	25	440
Blue shale	73	288	Sandy shale	7	447
Hard lime	2	290	Limestone	3	450
Blue shale	6	296	Blue gumbo	10	460
Brown sandy shale;			Brown gumbo	60	520
water	17	313	Sand	165	685
Lime "shell"	1	314	Brown gumbo	18	703

Well N4-58

D. C. Mandell, $8\frac{3}{4}$ miles northwest of Crystal City.

Soil	6	6	Water sand-sweet	30	370
Yellow clay	34	40	Blue shale	40	410
Blue shale	60	100	Brown gumbo	40	450
Sand -salty- 4 bailers			Sand	10	460
water in 14 hours ...	5	105	Gumbo	35	495
Blue shale	75	180	Sand	45	540
Brown shale	10	190	Gumbo	45	585
Blue shale	100	290	Loose sand	90	675
Light shale	50	340	Gumbo	5	680

Well N5-9

W. E. Richardson, 7 miles north of Crystal City.

Soil	30	30	Brown shale	10	240
Yellow sand	45	75	Blue shale	11	251
Yellow clay	15	90	Hard lime "shell"	3	254
Blue gumbo	35	125	Blue shale	41	295
Sandy shale	10	135	Lime	5	300
Brown shale	10	145	Blue shale	20	320
Blue shale	60	205	Brown shale	5	325
Sandy shale	10	215	Water sand	25	350
Blue shale	15	230	Blue gumbo	60	410

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Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N5-9--Continued</u>					
Sandy shale	5	415	Lime "shell"	1	565
Water sand	25	440	Water sand	15	580
Blue shale	35	475	Brown gumbo	95	675
Lime	5	480	Water sand	100	775
Blue shale	50	530	Lime and iron pyrites .	5	780
Water sand	5	535	Water sand	73	853
Brown gumbo	29	564	Red gumbo	5	858

Well N5-19

I. C. Cribbs, 5 miles northeast of Crystal City.

Soil	3	3	Brown shale and boulders	52	541
Yellow clay	33	36	Sandrock	1	542
Gravel	5	41	Blue shale and boulders	71	613
Yellow clay	39	80	Sandrock	6	619
Blue clay	62	142	Blue shale and boulders	62	681
Soft sandrock	1	143	Blue shale with layers of hard sandrock	15	696
Shale, streaked with rock	20	163	Shale and boulders	29	725
Shale	48	211	Blue shale with layers of sandrock	39	764
Shale, streaked with rock	29	240	Soft blue shale and gumbo	122	886
Hard sandstone	1	241	Soft sandrock	2	888
Gumbo	9	250	Water sand	66	954
Sandrock	1	251	Blue gumbo	10	964
Hard shale with layers of sandrock	31	282	Soft sandrock	1	965
Hard shale	8	290	Blue gumbo	42	1,007
Sandstone	5	295			
Hard shale	3	298			
Sandrock	18	316			
Blue shale with layers of rock	17	333			
Soft blue shale	61	394			
Sandrock	1	395			
Soft blue shale	48	443			
Hard blue shale with layers of sandrock ..	46	489			

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N5-67</u>					
W. B. Gates, 5 miles northeast of Crystal City.					
Soil	4	4	Sandy shale	13	585
Yellow clay	66	70	Blue shale	15	600
Blue shale	85	155	Brown gumbo	45	645
Brown shale	10	165	Blue gumbo	25	670
Gray shale	30	195	Brown gumbo	45	715
Water sand	25	220	Limestone	1	716
Light-colored shale....	20	240	Brown gumbo	22	738
Brown shale	20	260	Limestone	2	740
Blue shale	33	293	Brown gumbo	17	757
Brown shale	7	300	Broken sand	22	779
Blue shale	15	315	Lime "shell"	2	781
Water sand	18	333	Sandy shale and gumbo .	35	816
Brown shale	27	360	Limestone	2	818
Blue shale	35	395	Sandy shale	7	825
Sand; small amount, of water.....	5	400	Limestone	3	828
Blue shale	50	450	Brown gumbo	17	845
Brown shale	10	460	Sand	45	890
Hard sand; water	5	465	Brown gumbo	37	927
Light-colored shale ...	45	510	Pyrites	3	930
Hard "shell"	2	512	Sand	60	990
Sandy shale	8	520	Gumbo	15	1,005
Water sand	33	553	Sand	52	1,057
Gray shale	19	572	Brown shale	3	1,060

Well N5-69C. F. Jackson, 6 $\frac{1}{2}$ miles east of Crystal City.

Soil	5	5	Brown shale	35	360
Brown shale	25	30	Hard rock "shell"	4	364
Yellow sand	20	50	Brown shale	31	395
Yellow clay	20	70	Blue shale	55	450
Blue shale	10	80	Brown shale	10	460
Brown shale	10	90	Blue shale	5	465
Blue shale	80	170	Sandy shale; water	7	472
Brown shale	30	200	Brown shale	13	485
Blue shale	75	275	Blue shale	55	540
Brown shale	20	295	Brown shale	20	560
Blue shale	28	323	Water sand	10	570
Limestone	2	325	Blue shale	200	770

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Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N5-69--Continued</u>					
Sandy shale	27	797	Brown sandy shale ...	21	975
Limestone	3	800	Sand	160	1,135
Blue shale	10	810	Shale and iron	25	1,160
Brown shale	30	840	Sand	15	1,175
Sand	30	870	Broken sand	22	1,197
Sandy shale	45	915	Sand	30	1,227
Brown gumbo	35	950	Shale	1	1,228
Limestone and iron ..	4	954			
<u>Well N5-72</u>					
Mrs. C. L. Coleman, 6 $\frac{1}{2}$ miles northeast of Crystal City.					
Soil.....	3	3	Gray sand	20	660
Yellow clay	77	80	Brown gumbo	8	668
Blue shale	120	200	Blue gumbo	42	710
Sand, hole full of water	20	220	Gray sand	8	718
Limestone	5	225	Hard lime and iron ...	3	721
Blue shale	25	250	Gray sand	11	732
Lime "shells".....	5	255	Hard sandrock	8	740
Blue shale	25	280	Gray sand	25	765
Sand water	30	310	Brown shale	30	795
Blue shale	50	360	Hard sand	25	820
Brown shale	20	380	Brown shale	20	840
Blue shale	40	420	Hard lime	4	844
Brown shale	20	440	Brown shale	38	882
Blue shale	43	483	Hard lime	2	884
Sand; small amount of water.....	5	488	Brown gumbo	8	892
Lime "shells" and shale	25	513	Hard lime	3	895
Sand; hole full of water	17	530	Brown gumbo	9	904
Brown shale	5	535	Sand	7	911
Water sand	15	550	Hard lime	3	914
Lime	2	552	Brown gumbo	11	925
Water sand	48	600	Sandy shale	10	935
Blue gumbo	15	615	Water sand	101	1,036
Gray sand	20	635	Lime and iron	10	1,046
Gumbo	5	640	Sand	111	1,157
			Brown gumbo	3	1,160

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Thickness (feet)		Depth (feet)		Thickness (feet)		Depth (feet)	
<u>Well N5-79</u>							
City of Crystal City, in Crystal City.							
Soil	4	4	Sandy shale	20	450		
Yellow clay	36	40	Brown shale	50	500		
Yellow sand	40	80	Blue shale	45	545		
Blue gumbo	25	105	Sand	10	555		
Brown shale	10	115	Blue shale	45	600		
Blue shale	65	180	Light shale	20	620		
Brown shale	65	245	Brown shale	110	730		
Water sand	10	255	Light shale	25	755		
Brown shale	35	290	Sand	15	770		
Water sand	25	315	Gumbo	15	785		
Brown shale	15	330	Sand	110	895		
Sand	10	340	Gumbo	10	905		
Shale	90	430	Sand	85	990		

Well N5-88

California Packing Corp., 8 miles northeast of Crystal City.

Rotary space	5	5	Shale with lime streaks	37	900		
Surface soil & clay ..	53	58	Soft shale	9	909		
Boulders	2	60	Hard boulders	2	911		
Sandy shale	161	221	Shale	13	924		
Shale with sticky & sandy streaks	212	433	Sand	29	953		
Sandy shale	36	469	Hard streaks sand- stone	24	977		
Rock	6	475	Sand	28	1,005		
Shale with hard streaks	118	593	Shale with sand streaks	60	1,065		
Shale with sand streaks	140	733	Sand	85	1,150		
Hard lime	10	743	Brown shale	5	1,155		
Shale with lime & hard sand streaks .	120	863					

Well N5-92California Packing Corp., $9\frac{1}{4}$ miles northeast of Crystal City.

Surface soil & clay ..	43	43	Shale & shell streaks	30	300		
Sticky shale & streaks	167	210	Hard sand & shale	10	310		
Sandy shale	60	270	Shale & streaks of shells	58	368		

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Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N5-92--Continued</u>					
Shale & streaks of hard sand	226	594	Sandy shale	55	815
Hard sand	3	597	Hard sand	5	820
Sandy shale & hard sand streaks	143	740	Sandy shale & hard sand streaks	227	1,047
Hard sand	2	742	Sand (Good water)	77	1,124
Sandy shale	13	755	Sandy shale	31	1,155
Hard sand	5	760	Sticky shale	8	1,163

Well N5-98

Rqbt. S. Yantis, $6\frac{3}{4}$ miles northeast of Crystal City.

Soil	7	7	Water sand	10	530
Yellow clay	73	80	Brown shale	85	615
Blue shale	75	155	Water sand	15	630
Water sand-fresh	29	184	Brown shale	50	680
Hard shell	2	186	Water sand	35	715
Water sand-salt	14	200	Brown shale	10	725
Blue shale	115	315	Hard shell	5	730
Water sand	10	325	Gumbo	45	775
Blue shale	5	330	Sand	200	975
Water sand	100	430	Gumbo	5	980
Brown shale	90	520			

Well N6-3

L. G. Gates, 12 miles east of Crystal City.

Yellow clay	30	30	Hard gumbo	30	907
Coal (lignite)	6	36	Rocky shale	34	941
Hard shale	122	158	Blue gumbo	56	997
Rock (sandstone)	4	162	Very hard rock	5	1,002
Shaly gumbo	190	352	Hard gumbo and shale .	60	1,062
Hard rock (sandstone)	6	358	Shale and rock	20	1,082
Soft gumbo and shale	152	510	Rock	5	1,087
Rock	5	515	Shale and gumbo	20	1,107
Rock, shale and gumbo	89	604	Shale and sand	30	1,137
Gumbo	117	721	Shale	22	1,159
Rock and shale	5	726	Fine sand	120	1,279
Gumbo	73	799	Shale and gumbo	8	1,287
Rock and gumbo	5	804	Deepened to 1,313 in 1929.		
Gumbo	60	864	Blue sticky gumbo or shale	26	1,313
Hard gumbo	9	873			
Sandrock	4	877			

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County-Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N7-6</u>					
Carl Reiker, 8 $\frac{1}{2}$ miles north of Carrizo Springs.					
Soil	2	2	Gray sandy shale	33	522
Red clay	5	7	Lime	3	525
Yellow clay	17	24	Hard brown shale	58	583
Yellow sand	8	32	Sandy shale	15	598
White clay	12	44	Water sand	52	650
Hard sand	14	58	Hard fine sand; water	25	675
Dry sand	27	85	Brown shale	35	710
Brown shale	160	245	Sandy shale with lenses		
Hard lime	2	247	of sand	48	758
Sandy shale	23	270	Water sand	32	790
Water sand	12	282	Black clay	4	794
Gray shale	173	455	Coarse water sand ...	223	1,017
Dark shale	34	489	Green shale	4	1,021

Well N7-40

Lynch Bros., 6 $\frac{1}{2}$ miles northwest of Carrizo Springs.

Caliche and white sand	25	25	Medium-fine yellow sand	24	76
Gray and blue shale	27	52	Coarse water sand	112	188

Well N7-46

State Demonstration Farm, State of Texas, 7 $\frac{3}{4}$ miles northwest of Carrizo Springs.

Soil	3	3	Brown shale	26	370
Clay	17	20	Water sand	37	407
Yellow sand	20	40	Blue shale	53	460
Yellow gumbo	20	60	Brown shale	10	470
Blue gumbo	37	97	Lime	2	472
Coal	3	100	Sand -little water ...	13	485
Blue shale	27	227	Blue shale	45	530
Water sand	10	237	Water sand	5	535
Coal	2	239	Brown shale	5	540
Brown sandy shale ...	16	255	Water sand	15	555
Blue shale	20	275	Lime	5	560
Water sand	25	300	Brown shale	75	635
Blue shale	44	344	Water sand	5	640

(Continued on next page)

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N7-46--Continued</u>					
Brown shale	23	663	Sand	55	845
Sand	1	664	Iron and sand	15	860
Brown shale	71	735	Course sand	40	900
Water sand	15	750	Gumbo	20	920
Brown sandy shale ...	30	780	Sand	102	1,022
Hard sand	10	790	Gumbo		1,022

Well N7-51

Sam McKnight, 6 miles northwest of Carrizo Springs.

Soil	4	4	Blue gumbo with		
Caliche	20	24	pyrites	67	165
Dry sand	70	94	Water sand	40	205
Water sand	4	98	Blue clay	77	282

Well N7-65

L. A. Warren, 4 miles northwest of Carrizo Springs.

Soil	7	7	Sand and clay	35	105
Sandrock	40	47	Water sand	20	125
Water sand	23	70	Sand, clay and shale .	105	230

Well N7-66J. A. Heyman, $3\frac{3}{4}$ miles northwest of Carrizo Springs.

Soil and caliche	20	20	Water sand	15	255
Soft sandrock	35	55	Brown shale	5	260
Gray shale	15	70	Water sand	20	280
Water sand	145	215	Brown shale	52	332
Gray shale	25	240			

Well N7-77

Sam McKnight, 3 miles west of Carrizo Springs.

Soil	3	3	Sandstone	61	73
Clay	9	12	Blue shale	29	102

(Continued on next page)

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N7-77--Continued</u>					
Gray sandy shale	22	124	Sand and shale;		
Hard sandstone	3	127	water	37	252
Water sand	18	145	Gray shale.....	38	290
Gray shale	43	188	White shale	15	305
Hard sandstone	7	195	Gray shale	113	418
Sandy shale	5	200	Gray sandy shale	2	420
Gray shale	15	215	Gray shale	16	436

Well N7-96Central Securities Co., $3\frac{3}{4}$ miles west of Carrizo Springs.

Soil	3	3	Brown shale	2	120
Clay	5	8	Water sand	4	124
Sandstone	32	40	Brown shale	2	126
Sand	25	65	Water sand	19	145
Brown shale	15	80	Sandy shale	20	165
Water sand	16	96	Water sand	13	178
Brown shale	2	98	Gray shale	54	232
Water sand	12	110	Water sand	8	240
Lignite	1	111	Gray shale	32	272
Water sand	7	118			

Well N7-148

J. H. Long, in Carrizo Springs.

Soil	1	1	Coal (lightite)	7	126
Brown clay and sand ..	5	6	Brown sandy shale	2	128
Brown sand	4	10	Blue sandy shale	6	134
White sandy clay	12	22	Blue shale	4	138
White dry sand	20	42	Blue sandy shale	30	168
Yellow sandy clay;			Blue shale	4	172
water	8	50	Blue sandy shale	1	186
Blue shale	3	53	Blue shale	7	193
Brown sandy shale ...	14	67	Brown shale	5	198
Blue sandy shale	7	74	Brown shale and coal ..	7	205
Brown sandy shale ...	11	85	Brown shale	4	209
Blue sand; salt			Gray rock	3	212
water	8	93	Blue sand	14	226
Coal and brown mud ..	3	96	Blue shale	3	229
Brown shale	10	106	Blue sand	11	240
Brown sandy shale ...	13	119	Blue shale	10	250

(Continued on next page)

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N7-148--Continued</u>					
Brown shale	3	253	Fine blue sand	38	345
Blue sand	5	258	Medium blue sand	12	357
Blue sandy shale	26	284	Brown shale	2	359
Fine blue sand	15	299	Fine blue sand	8	367
Blue shale	1	300	Blue sandy shale	25	392
Fine blue sand	5	305	Blue granite	5	397
Brown shale	2	307			
<u>Well N7-151</u>					
E. Goodwin, 3½ miles north of Carrizo Springs.					
Surface soil	2	2	Blue shale	12	160
Yellow clay	17	19	Brown shale	45	205
Yellow sandy clay ...	17	36	Blue sandy shale	7	212
Dark-brown shale	6	42	Gray sand	16	228
Blue shale	24	66	Blue sandy shale	18	246
Brown shale	6	72	Brown shale	12	258
Blue sandy shale	20	92	Blue shale	32	290
Blue salty sand	22	114	Sand	65	355
Brown shale	34	148			
<u>Well N7-153</u>					
L. H. Upchurch, 1 mile west of Carrizo Springs.					
Soil	1½	1½	Blue sandy shale	32	83
Yellow clay	3½	5	Light-blue sand	22	105
Yellow sand	19	24	Coarse gray sand	17	122
Gray sand	4	28	Light-blue sand	46	168
Yellow clay	18	46	Hard blue sand	3	171
Brown rock	3	49	Dark-brown shale	11	182
Coal	2	51	Light-brown shale	33	215
<u>Well N7-157</u>					
H. Rouw, 4 miles north of Carrizo Springs.					
Sand; soil	3	3	Brown shale	10	270
Caliche	47	50	White shale	30	300
Blue shale; fresh	90	140	Sand, white, sweet ...	12	312
Sandy shale	10	150	White shale	18	330
Brown shale	50	200	Brown shale	10	340
Blue shale	40	240	Sand water	10	350
Sandy; little water,			Gumbo	15	365
sweet	20	260	Sand	200	565

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N7-164</u>					
H. Rouw, $3\frac{3}{4}$ miles northwest of Carrizo Springs.					
Soil	4	4	Sand	155	305
Caliche	11	15	Gumbo	25	330
Blue shale	25	40	Gray sand	40	370
Brown shale	30	70	Gray shale	25	395
Blue shale	80	150			
<u>Well N7-168</u>					
G. E. Whitney, $3\frac{1}{2}$ miles northwest of Carrizo Springs.					
Caliche	35	35	Blue shale.....	25	295
Brown shale.....	45	80	Brown sandy shale	13	308
Blue shale	50	130	Coarse sand	22	330
Sandy shale	45	175	Gumbo	25	355
Blue shale	15	190	Sand	30	385
Gray shale	10	200	Broken sand	5	390
Brown shale	10	210	Sand	40	430
Sandy shale	20	230	Brown gumbo	48	478
Sand	40	270			
<u>Well N7-170</u>					
H. Rouw, 3 miles north of Carrizo Springs.					
Soil	4	4	Sandy shale	10	224
Caliche	8	12	Water sand	4	228
Yellow sand	13	25	Brown shale	62	290
Dark shale	55	80	Sandy shale	10	300
Brown shale	20	100	Sand	10	310
Blue shale	20	120	Broken sand	10	320
Sandy shale	35	155	Sand	75	395
Sand-little water ...	10	165	Sandy shale	15	410
Blue shale	35	200	Brown gumbo	5	415
Sandy shale	12	212	Blue shale	45	460
Hard shell	2	214			

Table 2.-Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N7-173</u>					
City of Carrizo Springs, $\frac{1}{2}$ mile north of Carrizo Springs.					
Caliche	20	20	Gray shale, tight		
Dry sand	92	112	sand	15	270
Shale	3	115	Sand	55	325
Rock	3	118	Sand, bottom of well	13	338
Sand	137	255			

Well N8-10

Sam Ward, $4\frac{1}{2}$ miles east of Carrizo Springs.

Soil	3	3	Salt water sand	30	465
Hard yellow clay	17	20	Sandy shale	120	585
Packsand	40	60	Blue shale with ledges		
Blue and black shale	75	135	of hard lime	202	787
Pink sandy shale	6	141	Water sand with streaks		
Hard blue sand	9	150	of iron pyrites ..	148	935
Brown sand	5	155	Blue shale	77	1,012
Blue shale and clay	108	263	Pyrite of iron	2	1,014
Hard lime	5	268	Very coarse white		
Blue sandy shale	97	365	quartz sand	46	1,060
Salt water sand	15	380	Brown gumbo	20	1,080
Blue sandy shale	55	435			

Well N8-43

A. N. Box, $2\frac{3}{4}$ miles northeast of Carrizo Springs.

Soil	24	24	Salt water sand	8	168
Quicksand	6	30	Blue clay	203	371
Blue clay	50	80	Fine to gradually		
Salt water sand	2	82	coarse-grained sand	87	458
Blue clay	46	128	Tough bluish-gray		
Salt water sand	2	130	clay	18	476
Blue clay	30	160	Coarse-grained sand .	46	522

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N8-102</u>					
Marrs McLean, $9\frac{1}{4}$ miles east of Carrizo Springs.					
Soil	15	15	Water sand	5	795
Sand and gravel; water	15	30	Blue shale	15	810
Sand	25	55	Gray sandy shale	57	867
Blue shale	120	175	Blue shale	23	890
Quicksand; salty water	73	248	Water sand	55	945
Blue shale	7	255	Blue shale	10	955
Water sand	13	268	Sandy shale	25	980
Hard sandy shale ...	102	370	Water sand	9	989
Hard sand	20	390	Blue shale	46	1,035
Blue shale	30	420	Water sand	7	1,042
Hard sand	20	440	Blue shale	8	1,050
Brown shale	20	460	Water sand	10	1,060
Sandy shale	35	495	Blue shale	3	1,063
Hard lime rock	10	505	Water sand	7	1,070
Sandy shale	55	560	Blue shale	35	1,105
Blue shale	32	592	Water sand	60	1,165
Sandy shale	10	602	Blue shale	10	1,175
Soft gray shale	16	618	Sandy shale	22	1,197
Hard sandy shale ...	67	685	Water sand	8	1,205
Water sand	85	770	Blue shale	5	1,210
Gumbo	20	790	Water sand	7	1,217
			Blue shale	7	1,224

Well N8-104H. G. Hines, $3\frac{3}{4}$ miles northeast of Carrizo Springs.

Soil	1	1	Brown shale	8	135
Yellow clay	2	3	Blue sandy shale	16	151
Yellow sandy clay ..	46	49	Pyrites and rock	2	153
Yellow sand and gravel; salt water	5	54	Blue sandy shale	28	181
Blue sand and rock	2	56	Brown shale	2	183
Blue sandy shale ..	18	74	Blue shale	13	196
Blue "soapstone" ..	5	79	Blue salt water sand ..	13 $\frac{1}{2}$	209 $\frac{1}{2}$
Blue sandy shale ..	8	87	Hard blue rock	4 $\frac{1}{2}$	214
Blue shale	27	114	Blue salty sand	26	240
Brown shale	7	121	Blue shale	11	251
Gray salt water sand	6	127	Blue rock	1	252
			Blue sandy shale	33	285

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Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N8-104--Continued</u>					
Blue shale	27	312	Fine white sand	12	463
Brown shale	25	337	Brown shale	4	467
Brown sandy shale ..	61	398	Fine white sand	18	485
Blue boulders	2	400	Blue shale	7	492
Brown shale	5	405	Fine white sand	16	508
Blue shale	10	415	Medium white sand ...	43	551
Blue boulders	1	416	Coarse white sand ...	10	561
Blue shale	18	434	Pyrite, coal and		
Pyrite and rock	1	435	coarse sand	7	568
Coarse white sand ..	5	440	Medium white sand ...	9	577
Blue sandy shale ...	11	451	Brown shale	5	582

Well N8-106John Stahl, 2 $\frac{3}{4}$ miles northeast of Carrizo Springs.

Soil	1	1	Gray sandy shale	38	172
Yellow clay	2	3	Blue mud and rock	51	223
White clay (caliche) .	6	9	Brown sandy shale	14	237
Fine yellow water			Blue sandy shale	33	270
sand.....	10	19	Blue granite boulder ..	2	272
Yellow sandy clay	19	38	Blue sandy shale	20	292
Blue mud	3	41	White sand	12	304
Blue sand	15	56	Brown shale	10	314
Blue sandy shale	21	77	White sand	21	335
Light-brown shale	14	91	Fine white sand	53	388
Blue sand	3	94	Coarse white sand	58	446
Blue sandy shale	10	104	Blue "soapstone"	4	450
Dark-brown shale	4	108			
Blue sandy shale	26	134			

Well N8-109Sam Ward, 10 $\frac{1}{2}$ miles northeast of Carrizo Springs.

Surface	6	6	Gray shale	16	220
Sandy mud	82	88	Lime	10	230
Blue shale	6	94	Gray shale	42	272
Gray shale	66	160	Brown shale	15	287
Blue shale	25	185	Gray shale	38	325
Blue mud	7	192	Brown shale	7	332
Sand-water	12	204	Blue shale	18	350

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Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N8-109--Continued</u>					
Brown shale	30	380	Brown shale	6	757
Blue shale	10	390	Blue shale	19	776
Brown shale	20	410	Lime	1	777
Blue shale	12	422	Brown shale	23	800
Lime	3	425	Sand rock	12	812
Blue shale	26	451	Blue shale	23	835
Lime	13	464	Sand and shale	15	850
Brown shale.....	6	470	Blue shale	19	869
Gray shale	37	507	Lime	5	874
Brown shale	6	513	Brown shale	22	896
Gray shale	37	550	Lime	2	898
Brown shale	10	560	Water sand	6	904
Blue lime	45	605	Brown shale	44	948
Sand water	6	611	Lime	8	956
Brown shale	19	630	Brown sand	39	995
Gray shale	14	644	Sand	16	1,011
Lime	3	647	Hard sand, iron	39	1,050
Gray shale	21	668	Loose sand	10	1,060
Sandy shale	2	670	Hard sand	4	1,064
Lime	4	674	Loose sand	126	1,190
Sand-water	16	690	Sandy shale	3	1,193
Blue shale	43	733	Pyrites	10	1,203
Sand	18	751	Gumbo	1	1,204

Well N8-118S. C. Freed, 10 $\frac{1}{4}$ miles northeast of Carrizo Springs.

Soil	5	5	Blue shale	45	560
Yellow clay	35	40	Water sand	15	575
Water sand	25	65	Blue shale	45	620
Sandy shale	15	80	Brown shale	80	700
Water sand	10	90	Blue shale	20	720
Blue shale	175	265	Brown shale	70	790
Brown shale	15	280	Sandy shale	25	815
Blue shale	55	335	Sand	125	940
Water sand	20	355	Gumbo	10	950
Blue shale	135	490	Sand	180	1,130
Sandy-salty	25	515			

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

Thickness		Depth		Thickness		Depth	
(feet)		(feet)		(feet)		(feet)	
<u>Well N9-20</u>							
City of Big Wells, in Big Wells.							
Yellow clay	20	20	Gray shale	8	606		
Blue shale.....	140	160	Water sand	26	632		
Water sand	30	190	Gray shale	18	650		
Blue shale	17	207	Brown shale	5	655		
Gray shale	15	222	Gray shale	10	665		
Blue shale	8	230	Sandy shale	5	670		
Brown shale	30	260	Sand; hole full of				
Gray shale	50	310	water	25	695		
Sandy shale; small			Blue shale	29	724		
amount of water ..	10	320	Gray sandy shale	26	750		
Sand; hole full of			Brown sandy shale	8	758		
water	10	330	Red shale	7	765		
Blue shale	66	396	Broken sand	30	795		
Red shale	4	400	Sandy shale	17	812		
Blue shale	45	445	Blue shale	13	825		
Hard gray shale	20	465	Brown shale	18	843		
Brown lignite	14	479	Blue shale	10	853		
Gray sandy shale ...	19	498	Gray gumbo	42	895		
Brown shale	17	515	Broken water sand	55	950		
Gray shale	35	550	Gummy shale	45	995		
Brown shale	15	565	Sandy shale	15	1,010		
Gray shale	15	580	Brown shale	160	1,170		
Blue shale	18	598	Water sand	90	1,260		
			Brown shale	95	1,355		

Well N9-24

C. W. Barker, 14 miles east of Carrizo Springs.

Soil	2	2	Brown and blue shale ..	25	425
Yellow gumbo	23	25	Water sand	5	430
Lime	3	28	Light shale	15	445
Brown and blue shale	282	310	Water sand	10	455
Lime	5	315	Blue shale	17	472
Water sand	5	320	Water sand	5	477
Blue shale	75	395	Sandy shale	13	490
Water sand	5	400	Water sand	15	505

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Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well N9-24--Continued</u>					
Brown and blue gumbo or shale	145	650	Water sand	20	798
Sandy shale	10	660	Brown shale	237	1,035
Water sand	18	678	Artesian sand	175	1,210
Brown and blue shale	72	750	Brown shale	40	1,250
Water sand	25	775	Sand	5	1,255
Brown shale	3	778	Brown shale	50	1,305

Well N9-33

P. J. Lewis, 17-3/4 miles east of Carrizo Springs.

Soil	4	4	Sand, small amount of water	7	1,027
Yellow clay	34	38	Hard sand and pyrite	253	1,280
Coarse yellow gravel	2	40	Boulders	1	1,281
Soft-blue shale	12	52	Dark-blue sticky gumbo	16	1,297
Blue to dark-colored shale, small boulders and pyrites	73	125	Lenses of white sand and shale	174	1,471
Shale and few boulders ...	681	806	Hard sand rock	1	1,472
Shale	111	917	Hard sand	5	1,477
Dark-colored medium- grained sand	7	924	Hard black shale ...	17	1,494
Hard shale with dark- colored specks	96	1,020	Hard lime "shell" ..	5	1,499
			No record	8	1,507
			Coarse white water sand	16	1,523

Well S1-18

J. C. Johnson, 4 1/4 miles southwest of Carrizo Springs.

Soil	4	4	Gray and white water sand	220	320
Gray sandy clay	26	30			
Brown sandstone	70	100			

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County-- Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well S1-50</u>					
H. Rouw, 4½ miles southeast of Carrizo Springs.					
Soil	5	5	Gray sand	20	455
Caliche	25	30	Gray shale	20	475
Blue shale	70	100	Sand-gray	45	520
Sand	50	150	Gray shale	40	560
Brown shale	95	245	Gray sand	20	580
White sand-water fresh ...	30	275	Brown gumbo	40	620
Shale	45	320	Gray sand	30	650
Sand	80	400	Gumbo	20	670
Gray shale	35	435			
<u>Well S2-4</u>					
B. Bounds, 3-3/4 miles southeast of Carrizo Springs.					
Soil	5	5	Water sand	50	540
Brown clay	10	15	Gumbo	28	568
Lime	2	17	Lime	2	570
Blue shale	83	100	Hard sand	5	575
Brown shale	130	230	Brown sandy shale ..	15	590
Sandy shale	65	295	Water sand	10	600
Water sand	10	305	Gumbo	20	620
Brown sand	42	347	Sand	50	670
Gumbo	56	403	Gumbo	7	677
Water sand	77	480	Water sand	15	692
Brown gumbo	10	490	Gumbo	2	694
<u>Well S2-94</u>					
Catarina Farms, 13½ miles southeast of Carrizo Springs.					
Soil	8	8	Blue shale	45	390
Yellow clay	67	75	Sandy gray shale	113	503
Blue shale	103	178	Salt water sand	22	525
Lime	5	183	Red shale	28	553
Gray shale	130	313	Sand	74	627
Sandy shale	32	345	Brown shale with some coal	5	632

(Continued on next page)

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County—Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well S2-94--Continued</u>					
Sand	54	686	Sand	35	1,118
Red shale	8	694	Dark brown shale ..	10	1,128
Sand	36	730	Sand	37	1,165
Brown and gray shale.....	76	806	Brown shale	15	1,180
Hard sandy shale	19	825	Sand	22	1,202
Blue shale and sand	57	882	Brown shale	13	1,215
Brown, gray and red shale	107	989	Water sand	209	1,424
Sandy shale	16	1,005			
Brown shale	65	1,070			
Hard sand	13	1,083			
<u>Well S2-113</u>					
H. Rouw, 4-3/4 miles southeast of Carrizo Springs.					
Soil	10	10	Hard shell	5	490
Caliche	30	40	Brown sandy shale ..	40	530
Blue shale	60	100	Dark gray sand	15	545
Sand-water	60	160	Blue shale	25	570
Blue sand	70	230	Dark gray sand	80	650
Sand	30	260	Sandy shale	25	675
Brown shale	44	304	Broken sand	35	710
Carrizo sand	81	385	Blue shale	90	800
Gray shale	35	420	Shale	100	900
Gray sand	20	440			
Blue sandy shale	10	450			
Blue shale	35	485			
<u>Well S2-115</u>					
H. Rouw, .5 miles southeast of Carrizo Springs.					
Soil	3	3	Gray shell	5	240
Yellow caliche	17	20	Sand	90	330
Brown shale	30	50	Brown shale	15	345
Blue shale	70	120			
Sandy shale	50	170	Gray sand	60	405
Brown shale	60	230	Brown gumbo	45	450
Hard shale	5	235	Gray sand	20	470
			Gray gumbo	36	506

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County—Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well S2-128</u>					
Wm. Volbrect, 5 $\frac{1}{2}$ miles southeast of Carrizo Springs.					
Light-red soil and clay ...	3	3	Fine-grained		
Pale blue clay	6	9	sandstone	15	312
Sand and yellow clay	25	34	Sand and clay	20	332
Yellow clay	30	64	Blue clay	45	377
Pale to dark-blue clay	35	99	Dark-blue clay	40	417
Sandstone; salt water	3	102	Sand and clay	45	462
Sticky blue clay	50	152	Fine-grained sand		
Blue clay with thin			rock; water	60	522
lenses of coal.....	100	252	Sandstone, water ..	160	682
Sand and clay	45	297	Fine sand and clay	38	720

Well S2-132

J. C. Oelkers, 2-3/4 miles southeast of Carrizo Springs.

Soil	3	3	Fine sand	10	340
Sand rock	2	5	Broken sand and		
Yellow clay	25	30	shale	30	370
Blue shale	40	70	Loose shale	80	450
Gray shale	80	150	Shale.....	15	465
Brown shale	50	200	Sand	10	475
Gray shale	45	245	Brown sandy shale ..	65	540
Sand shale	10	255	Loose sand	20	560
Sand and shale	75	330	Gumbo	5	565

Well S2-137

H. Rouw, 4-3/4 miles southeast of Carrizo Springs.

Soil	2	2	Sand	105	400
Sand rock	13	15	Gray sand	40	440
Yellow clay	25	40	Brown shale	10	450
Blue shale	50	90	Gray shale	20	470
Brown shale	10	100	Gumbo	95	565
Sandy shale	80	180	Gray sand	25	590
Water sand; little water ..	10	190	Broken sand	50	640
Blue shale	50	240	Blue gumbo	10	650
Sand	20	260	Gray sand	8	658
Brown shale	35	295	Gumbo	17	675

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County—Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well S3-26</u>					
J. T. Baber, 22 miles southeast of Carrizo Springs.					
Soil	45	45	Brown "shell"	43	955
Gravel	40	85	Sand	22	977
Black shale	25	110	Lignite	2	979
Sand	8	118	Brown shale	13	992
White shale	27	145	Water sand	33	1,025
Sand	20	165	White shale	10	1,035
White shale	20	185	Green sand	30	1,065
Salt water sand	25	210	Brown shale	10	1,075
White shale	105	315	Sand	20	1,095
Sand "shells"	15	330	Shale, lignite and asphalt?	25	1,120
White shale	113	443	Sand, 50 gpm flow ..	48	1,168
Water sand	22	465	White shale and "shell"	17	1,185
White shale	45	510	Sand and "shell" ..	40	1,225
Sand; some water	8	518	Shale, sand and "shell"	130	1,355
White shale and "shell" ..	37	555	Sand	10	1,365
Sand	20	575	Shale, sand, and "shell"	53	1,418
White shale	41	616	Sand	7	1,425
Sand	7	623	Shale, sand, and "shell"	12	1,437
Brown shale	15	638	Sand	21	1,458
Sand; some water	20	658	Very hard sand ...	7	1,465
Brown shale	17	675	Sand; some water ..	25	1,490
Sand; small flow of soda water	45	720	Brown shale	15	1,505
Brown and white shale	75	795	Water sand	40	1,545
Sand	35	830	Good sand	90	1,635
White shale	10	840	Sand and shale ...	25	1,660
Sand	35	875	Hard sand	5	1,665
Brown shale	37	912	Water sand	35	1,700

Table 2.- Drillers' logs of wells in Dimmit and Zavala Counties and eastern Maverick County—Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
<u>Well S4-2</u>					
McRory Estate, 14 $\frac{1}{2}$ miles southwest of Carrizo Springs					
Soil	3	3	Brown clay and sand	25	422
Soft yellow clay.....	57	60	Sand rock with good		
Blue "soapstone"	7	67	water	18	440
Hard sand rock	6	73	Brown clay, sand		
Hard black coal	3	76	and gravel	154	594
Blue clay	62	138	Brown clay and		
Soft sand rock	8	146	sand	186	780
Black coal	1	147	Blue sand rock	3	783
Blue and brown clay	50	197	Brown clay	42	825
Soft sand rock	10	207	Sand rock with good		
Coal	2	209	water	20	845
Blue "soapstone"	25	234	Blue clay and sand	16	861
Brown clay	3	237	Sand rock with good		
Coal	2	239	water	30	891
Sand rock with salt water	25	264	Blue clay and sand	9	900
Sand and white clay	13	277	White water sand .	41	941
Blue and brown clay	90	367	"Soapstone"	19	960
Sand rock with bitter					
water	30	397			

Table 3.- Water levels in observation wells in Zavala County

Well H7-20

O. V. Vickery. 5.25 miles north of La Pryor. Used drilled domestic and stock well, diameter 6 inches, depth 130 feet. Measuring point, top of 1-inch board cover, 0.5 foot above land-surface datum and 765.46 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1929, Nov. 13	72.85	692.11	1932, Aug. 31	74.25	690.71
1930, Jan. 3	72.80	692.16	1933, Apr. 11	74.25	690.71
Feb. 28	72.90	692.06	July 21	74.00	690.96
Mar. 13	72.90	692.06	1938, Jan. 10	74.65	690.31
Apr. 9	72.85	692.11	1939, Apr. 9	75.19	689.77
18	73.20	689.76	1940, July 31	76.18	688.78
May 20	73.03	691.93	1941, Aug. 2	76.55	688.41
June 23	73.00	691.96	1942, Aug. 1	77.38	687.58
July 22	73.30	691.66	1944, July 6	76.17	688.78
Aug. 27	73.30	691.66	1945, July 21	75.88	589.08
Sept. 29	73.35	691.61	1946, July 11	75.40	689.56
Dec. 17	73.40	691.56	1947, July 25	75.66	689.30
1931, May 14	74.30	690.66	1948, Aug. 27	72.08	692.88
Oct. 30	73.85	691.11	Sept. 15	76.08	688.95
1932, Jan. 13	74.20	690.76			
Apr. 2	74.20	690.76			

Well M3-29

R. W. Norton. 13.5 miles west of La Pryor. Used drilled stock well, diameter 6 inches, depth 150 feet. Measuring point top of 4 by 4-inch wood pipe clamp, 0.5 foot above land-surface datum and 755.65 feet above mean sea level.

1930, Jan. 25	96.70	658.45	1933, Sept. 22	96.40	658.75
Feb. 22	97.05	658.10	1936, Aug. 24	96.65	658.50
Apr. 18	96.30	658.85	1937, July 11	96.76	658.39
May 20	96.20	658.95	Aug. 12	96.64	658.51
June 20	95.30	659.85	1938, Jan. 10	96.66	658.49
July 16	96.20	658.95	Aug. 26	96.74	658.41
Aug. 25	96.30	658.85	1946, July 12	97.60	657.55
Sept. 29	96.35	658.80	1947, July 25	97.61	657.54
1932, Feb. 10	96.10	659.05	1948, Sept. 16	97.75	657.40
Aug. 28	96.25	658.90			
Dec. 21	95.95	659.20			

Table 3.- Water levels in observation wells in Zavala County--Continued

Well M6-10

W. M. Van Cleve. 16.25 miles northwest of Crystal City. Used drilled domestic and stock well, diameter 5-5/8 inches, depth 150 feet. Measuring point, top of pipe clamp, 1.5 feet above land-surface datum and 653.15 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1930, Jan. 21	70.15	581.50	1932, Dec. 21	70.90	580.75
Feb. 19	71.90	579.75	1933, Mar. 18	70.25	581.40
June 17	73.45	578.20	Sept. 21	68.65	583.00
July 11	71.30	579.35	1934, Aug. 27	73.10	578.55
Aug. 26	70.60	581.05	1936, Aug. 26	73.81	577.84
Sept. 25	70.35	581.30	1937, July 14	73.51	578.14
Dec. 11	68.60	583.05	Aug. 16	73.41	578.24
1931, Feb. 7	69.50	582.15	1938, Jan. 12	74.97	576.68
Mar. 4	69.10	582.55	Aug. 24	72.55	579.10
Apr. 25	69.20	582.45	1939, Apr. 6	76.90	574.75
June 28	68.20	583.45	1940, Aug. 2	73.17	578.48
July 2	67.45	584.20	1941, Aug. 2	73.37	578.28
Oct. 2	65.60	586.05	1942, Aug. 7	76.17	575.48
Nov. 6	67.60	584.05	1943, Aug. 9	79.58	572.07
Dec. 4	71.25	580.40	1944, July 10	79.44	572.21
1932, Jan. 7	72.20	579.45	1945, July 23	79.28	572.37
Feb. 11	73.25	578.40	1946, July 12	83.78	567.87
Mar. 18	73.35	578.30	1948, Sept. 16	97.08	554.57
July 6	73.02	578.63			
Aug. 29	71.20	580.45			

Well M6-16

J. W. Steward. 14.75 miles northwest of Crystal City. Used drilled domestic and stock well, diameter 5-3/16 inches, depth 300 feet. Measuring point, hole in side of casing, at land-surface datum and 626.55 feet above mean sea level.

1930, Jan. 17	43.90	582.65	1931, July 3	40.70	585.85
Feb. 19	42.70	584.55	Oct. 2	40.05	586.50
Mar. 17	42.85	583.70	Nov. 6	40.35	586.20
Apr. 16	42.80	583.75	Dec. 4	40.95	585.60
May 19	42.00	584.55	1932, Jan. 7	41.10	585.45
June 17	41.40	585.15	Feb. 11	41.50	585.05
July 15	41.10	585.45	Mar. 18	41.60	584.95
Aug. 26	40.90	585.65	July 6	41.90	584.65
Sept. 25	40.85	585.70	Aug. 29	41.75	584.80
Nov. 4	40.40	586.15	Dec. 21	41.76	584.79
Dec. 11	40.25	586.30	1933, Mar. 18	41.80	584.75
1931, Feb. 6	40.55	586.00	1934, Aug. 27	42.35	584.20
Mar. 4	40.55	586.00	1935, Mar. 13	43.70	582.85
Apr. 25	40.75	585.80	1936, Jan. 26	42.70	583.85
June 8	40.80	585.75	Aug. 26	41.05	585.50

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Table 3 -- Water levels in observation wells in Zavala County -- Continued

Well M6-16-Continued

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1937, July 14	39.67	586.88	1943, Aug. 9	46.40	580.15
Aug. 16	39.69	586.66	1944, July 10	47.11	579.44
1938, Jan. 12	38.40	588.15	1945, July 23	46.82	579.73
Aug. 24	40.74	585.15	1946, July 12	47.40	579.15
1939, Apr. 6	41.55	585.00	1947, July 23	49.41	577.14
Aug. 14	42.00	584.55	1948, Oct. 16	49.62	576.93
1940, Aug. 2	42.66	583.89			
1942, Aug. 7	47.13	579.42			

Well M6-18

N. E. Ware. 14 miles northwest of Crystal City. Used drilled domestic and stock well, diameter 5-5/8 inches, depth 530 feet. Measuring point, top of pipe clamp, 0.7 foot above land-surface datum and 612.90 feet above mean sea level.

1930, Jan. 17	35.80	576.40	1933, Sept. 20	32.95	579.25
Feb. 19	40.00	572.90	1934, Aug. 27	38.45	573.75
Mar. 17	40.80	571.40	1936, Jan. 26	39.80	572.40
Apr. 16	41.90	570.30	1937, July 14	39.49	572.71
May 19	41.65	570.55	Aug. 16	39.15	573.05
June 17	38.40	573.80	1938, Jan. 12	40.08	572.12
July 15	36.80	575.40	Aug. 24	37.26	574.94
Aug. 26	38.65	573.45	1939, Apr. 6	44.00	568.20
Sept. 25	40.00	572.20	Aug. 12	41.39	570.81
Nov. 4	34.20	578.00	1940, Aug. 2	38.06	574.14
1931, Mar. 4	35.85	576.35	1941, Aug. 2	38.06	574.14
June 8	32.20	580.00	Aug. 7	41.51	570.69
July 3	31.40	580.80	1943, Aug. 9	46.55	566.65
Oct. 2	29.65	582.55	1944, July 10	44.78	567.42
Nov. 6	33.35	578.85	Aug. 14	44.80	567.40
Dec. 4	37.75	574.65	1945, July 23	44.74	567.76
1932, Jan. 7	37.40	574.80	1946, July 12	51.66	560.54
Feb. 11	40.10	572.10	1947, July 23	56.43	555.77
Mar. 18	38.40	573.80	1948, Sept. 16	66.94	545.26
July 6	38.15	574.05			
Aug. 29	35.67	576.53			
Dec. 21	35.92	576.28			
1933, Mar. 18	34.70	577.50			

Table 3.- Water levels in observation wells in Zavala County--Continued

Well M6-19

L. D. Van Cleve. 14 miles west of Crystal City. Used drilled domestic and stock well, diameter 5-5/8 inches, depth 180 feet. Measuring point, top of pipe clamp, 0.5 foot above land-surface datum and 632.55 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1930, Jan. 17	49.15	582.90	1933, Mar. 18	50.95	581.10
Feb. 19	50.40	581.65	Sept. 21	51.30	580.75
Mar. 17	50.45	581.60	1935, Mar. 13	56.80	575.25
Apr. 16	51.60	580.45	July 31	55.10	576.85
May 19	50.60	581.45	1936, Jan. 26	51.90	580.15
June 17	49.60	582.42	Aug. 26	57.20	574.85
July 15	49.60	582.42	1937, July 14	55.63	576.42
Aug. 26	50.15	581.90	Aug. 16	55.38	576.67
Sept. 25	50.30	581.75	1938, Jan. 12	57.13	580.92
Nov. 4	49.40	582.65	Aug. 24	56.01	581.04
Dec. 11	49.35	582.70	1939, Apr. 6	59.30	572.75
1931, Feb. 4	49.55	582.50	Aug. 14	55.23	576.82
Mar. 4	49.30	582.75	1940, Aug. 2	56.00	576.05
Apr. 25	52.05	580.00	1941, Aug. 2	58.26	573.79
June 8	53.80	578.25	1942, Aug. 7	59.55	572.50
July 3	48.70	583.35	1943, Aug. 9	61.65	570.40
Oct. 2	48.50	583.55	1944, July 10	61.60	570.45
Nov. 6	50.20	581.85	Aug. 14	61.92	570.13
Dec. 4	51.10	580.95	1945, July 23	62.41	569.64
1932, Jan. 7	51.15	580.90	1946, July 12	64.99	567.07
Feb. 10	51.90	580.15	1947, July 23	66.98	565.07
Mar. 18	51.65	580.40	1948, Aug. 9	67.95	564.10
Aug. 29	51.78	580.27	Sept. 16	68.98	563.07
Dec. 21	51.52	580.53			

Well M9-1

T. B. Mear. 11.75 miles west of Crystal City. Used drilled domestic and stock well, diameter 6 inches, depth 335 feet. Measuring point, top of pipe clamp, 1.0 foot above land-surface datum and 633.30 feet above mean sea level.

1928, Feb. 6	45.20	587.10	1930, July 15	53.75	578.55
1929, Dec. 18	58.20	574.10	Aug. 26	55.25	577.05
1930, Jan. 16	61.20	571.10	Sept. 25	57.25	575.05
Feb. 19	59.80	572.50	Nov. 4	52.65	579.65
Mar. 17	60.80	571.50	Dec. 11	51.25	581.05
Apr. 16	70.70	561.60	1931, Mar. 4	51.50	580.80
May 19	57.00	575.30	Apr. 25	53.35	578.85
June 17	54.30	578.00	July 2	50.65	581.65

(Continued on next page)

Table 3 .- Water levels in observation wells in Zavala County--Continued

Well M9-1--Continued

Date	Water level below land-surface datum(feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1931, Nov. 6	57.15	575.15	1938, Aug. 24	66.78	565.52
Dec. 4	59.75	572.55	1939, Apr. 6	77.66	554.64
1932, Jan. 7	56.40	575.90	Aug. 14	70.61	561.69
Feb. 11	63.70	568.60	1940, Aug. 2	62.78	569.52
Mar. 18	61.15	571.15	1941, Aug. 2	64.44	567.86
July 6	57.10	575.20	1942, Aug. 7	71.59	560.79
Aug. 29	55.85	576.45	1943, Aug. 7	72.12	560.18
1932, Dec. 21	56.45	576.85	Dec. 19	68.23	564.07
1933, Mar. 18	56.60	576.70	1944, July 10	68.43	563.87
Sept. 21	54.75	577.55	Aug. 14	69.44	562.86
1934, Aug. 27	64.10	568.20	1945, July 23	75.49	556.81
1936, Aug. 26	63.71	568.59	1947, July 23	79.54	553.76
1937, July 14	60.05	572.25	1948, Aug. 9	92.14	540.16
Aug. 16	67.48	564.82	Sept. 15	86.95	545.35

Well M9-9

-- Meyers. 12.25 miles southwest of Crystal City. Used drilled stock well, diameter 10 inches, depth not available. Measuring point, top of casing, 3.0 feet above land-surface datum and 688.65 feet above mean sea level.

1929, Dec. 12	75.10	610.55	1933, Mar. 22	76.75	608.90
1930, Feb. 19	75.15	610.50	1935, Mar. 13	77.85	607.80
Aug. 26	75.50	610.15	1936, Aug. 26	78.30	607.35
1931, Feb. 6	75.55	610.10	1937, July 14	78.44	607.21
Mar. 4	75.60	610.05	Aug. 15	78.52	607.13
Apr. 25	75.60	610.05	1938, Jan. 11	79.56	606.09
June 8	75.75	609.90	Aug. 24	84.43	601.22
July 3	75.85	609.80	1939, Apr. 6	83.34	602.31
Aug. 5	75.80	609.85	Aug. 14	82.30	603.35
Oct. 2	75.90	609.75	1941, Aug. 3	83.31	602.34
Nov. 6	76.00	609.65	1942, Aug. 7	85.83	600.32
Dec. 4	76.05	609.60	1943, Aug. 9	85.84	599.81
1932, Jan. 7	76.15	609.50	1945, July 23	85.55	600.10
Feb. 11	76.35	609.30	1946, July 12	87.34	598.31
Mar. 17	76.40	609.25	1947, July 23	87.60	598.05
July 6	76.49	609.16	1948, Sept. 16	87.48	598.17
Aug. 29	76.38	609.27			

Table 3.- Water levels in observation wells in Zavala County--Continued

Well N1-24

J. C. Williams. 2.5 miles west of La Pryor. Used drilled irrigation well, diameter 12 inches, depth 350 feet. Measuring point, top of iron water pipe clamp, 0.3 foot above land-surface datum and 754.00 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1929, Dec. 23	120.20	633.50	1935, July 27	123.80	629.90
1930, Feb. 22	122.88	630.90	1936, Jan. 22	128.52	625.18
Mar. 26	120.80	632.90	Aug. 24	122.42	631.28
Apr. 18	120.50	633.90	1937, July 9	122.72	630.98
May 20	119.10	634.60	Aug. 12	125.38	628.12
June 20	117.85	635.85	1938, Jan. 10	125.78	627.92
July 16	116.20	637.50	Aug. 25	121.33	632.37
Aug. 25	116.00	637.70	1939, Apr. 9	126.06	627.64
Sept. 30	117.45	636.25	July 21	125.32	628.38
Dec. 18	121.60	632.10	Aug. 21	126.54	627.16
1931, Feb. 11	118.30	635.40	1940, July 31	122.99	630.71
June 9	116.30	638.40	1941, Aug. 6	123.83	629.87
July 6	114.70	639.00	1942, Aug. 6	126.05	627.65
Oct. 15	117.60	636.10	1943, Aug. 14	133.43	620.27
1932, Jan. 8	126.60	627.10	Dec. 18	129.39	624.31
Feb. 10	126.10	627.60	1944, July 6	130.88	622.82
July 7	118.80	634.90	Aug. 9	132.14	621.56
Aug. 28	117.35	636.35	1945, July 21	133.58	620.12
Dec. 21	123.50	630.20	1946, July 11	141.20	612.50
1933, Mar. 21	119.50	633.80	1947, July 24	159.74	593.96
1935, Mar. 15	130.55	623.45	1948, Aug. 3	177.30	576.40
			Sept. 15	168.70	585.00

Well N1-39

R. W. Norton. 8.5 miles west of La Pryor. Used drilled stock well, diameter 6 inches, depth 300 feet. Measuring point, top of water pipe clamp, 1.4 feet above land-surface datum and 732.90 feet above mean sea level.

1930, Jan. 25	74.40	657.10	1932, Jan. 8	78.20	653.30
Feb. 22	74.70	656.80	Feb. 10	80.20	651.30
July 16	75.00	656.50	Mar. 23	75.90	655.60
Aug. 25	77.75	653.75	1933, Mar. 24	74.93	656.57
Sept. 29	76.75	654.75	1946, July 12	78.45	652.95
Dec. 18	77.40	654.10	1947, July 25	79.79	651.71
1931, Feb. 11	78.10	653.40	1948, Aug. 10	83.26	648.24
July 6	76.30	655.20	Sept. 16	81.99	649.51
Oct. 15	75.00	656.50			

Table 3 .- Water levels in observation wells in Zavala County--Continued

Well N1-40

I. T. Pryor. 2 miles southwest of La Pryor. Used drilled stock well, diameter 10 inches, depth not available. Measuring point, top of 6 by 6 pipe clamp, 1.5 feet above land-surface datum and 726.45 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1930, Jan. 4	122.30	612.65	1935, Mar. 15	123.90	601.05
Feb. 22	115.70	609.25	July 27	114.10	610.85
May 20	113.50	611.45	1937, July 9	110.51	614.44
June 20	111.40	613.55	Aug. 12	105.36	619.59
July 16	119.50	615.45	1938, Jan. 10	109.44	615.51
Aug. 25	118.50	616.45	Aug. 25	101.44	623.51
Sept. 30	108.65	616.30	1939, July 21	112.98	611.97
Dec. 18	113.75	604.30	1940, July 31	103.55	621.40
1931, Feb. 11	111.50	613.45	1941, Aug. 16	104.07	620.88
June 9	105.00	619.95	1942, Aug. 6	107.87	617.08
July 6	103.25	621.70	1943, Aug. 14	115.58	609.37
1932, Feb. 10	119.85	605.10	1944, July 6	114.12	610.83
Mar. 23	116.00	608.95	Aug. 9	114.63	610.32
July 7	109.50	615.45	1946, July 11	123.82	601.13
Aug. 28	106.95	618.00	1947, July 24	146.68	578.01
Dec. 21	114.83	610.12	1948, Sept. 16	166.48	558.47
1933, Mar. 24	109.90	615.05			
Sept. 21	104.40	620.55			

Well N5-39

Richie Bros. 2.25 miles northeast of Crystal City. Used drilled irrigation well, diameter 12½ inches, depth 940 feet. Measuring point, top of pump base, 1.0 foot above land-surface datum and 584.40 feet above mean sea level.

1929, Nov. 26	74.58	508.82	1931, Dec. 1	128.90	454.50
Dec. 18	88.55	495.05	1932, Jan. 4	85.60	497.80
1930, Mar. 25	101.90	481.50	Feb. 2	97.15	486.25
Apr. 19	105.90	477.50	Mar. 17	78.70	504.70
May 24	75.90	507.50	May 5	74.55	508.85
June 20	63.25	520.15	Aug. 26	48.10	535.30
July 17	58.20	525.20	Dec. 19	81.65	501.75
Aug. 20	63.20	520.20	1933, Mar. 17	59.10	524.30
Sept. 25	77.35	506.05	Sept. 15	45.65	537.75
Oct. 30	59.80	523.60	1934, Aug. 29	56.10	527.30
Dec. 9	67.30	516.10	1935, Mar. 7	116.10	467.30
1931, Jan. 8	89.90	493.50	Aug. 1	57.60	525.80
Feb. 4	59.30	524.10	1936, Jan. 25	90.18	493.22
Mar. 2	49.50	533.90	Aug. 23	61.22	522.18
Apr. 23	60.10	523.30	1937, July 11	56.44	526.96
May 23	44.80	538.60	Aug. 17	58.02	525.38

(Continued on next page)

Table 3.- Water levels in observation wells in Zavala County--Continued

Well N5-39--Continued

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1938, Jan. 14	60.12	523.28	1943, Aug. 11	73.19	510.21
Aug. 18	49.68	533.72	Dec. 20	71.98	511.42
1939, Apr. 7	76.80	506.60	1944, July 6	67.60	515.80
July 20	63.94	519.46	Aug. 9	79.98	503.42
Aug. 16	59.61	522.79	1945, July 21	77.89	505.51
1940, Aug. 1	40.87	542.53	1946, July 11	93.21	490.19
1941, Aug. 2	41.03	542.37	1947, July 24	105.15	478.25
1942, Aug. 11	59.72	523.68	1948, Aug. 11	146.33	437.07

Well N5-40

Richie Bros. 2.5 miles east of Crystal City. Used drilled irrigation well, diameter 12 $\frac{1}{2}$ inches, depth 1,070 feet. Measuring point, top of pump base, at land-surface datum and 578.74 feet above mean sea level.

1929, Nov. 26	81.38	497.36	1933, Mar. 17	57.05	521.69
Dec. 18	88.85	489.89	Sept. 15	42.55	536.19
1930, Feb. 20	122.70	456.04	Aug. 29	56.50	522.24
Mar. 25	102.50	476.24	1935, Mar. 7	116.30	462.44
Apr. 19	101.40	477.34	Aug. 1	54.90	523.84
May 24	74.85	503.89	1936, Aug. 23	58.33	520.41
June 20	62.80	515.94	1937, July 11	54.94	523.80
July 17	57.65	521.09	Aug. 17	55.10	523.64
Aug. 20	61.30	517.44	1938, Jan. 14	59.24	519.50
Sept. 25	77.10	501.64	Aug. 18	49.97	528.77
Oct. 30	58.70	520.04	1939, Apr. 7	76.10	502.64
Dec. 9	68.75	509.99	July 20	62.57	516.17
1931, Jan. 8	89.10	489.64	Aug. 16	55.92	522.82
Feb. 4	58.80	519.94	1940, Aug. 1	39.70	539.04
Mar. 2	48.75	529.99	1941, Aug. 2	38.80	539.94
Apr. 23	57.75	520.99	1942, Aug. 11	57.88	520.86
July 24	33.30	545.44	1943, Aug. 11	69.73	509.01
Sept. 28	46.35	532.39	1944, July 6	65.38	513.36
Dec. 1	130.60	448.14	Aug. 9	76.54	502.20
1932, Jan. 4	85.00	493.74	1945, July 21	75.11	502.63
Feb. 2	96.90	481.84	1946, July 11	85.79	492.95
Mar. 17	75.30	503.44	1947, July 24	102.46	476.28
May 5	72.65	506.09	1948, Sept. 13	144.09	434.65
Aug. 26	47.10	531.64			
Dec. 19	81.95	496.79			

Table 3 -- Water levels in observation wells in Zavala County--Continued

Well N5-55

Warren Wagner. 2 miles east of Crystal City. Used drilled irrigation well, diameter 10 inches, depth 1,070 feet. Measuring point, top of pump base, 1.0 foot above land-surface datum and 578.15 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1929, Nov. 27	81.63	495.52	1932, Dec. 19	84.86	492.29
Dec. 18	111.70	465.45	1933, Mar. 17	59.40	517.75
1930, Feb. 20	120.80	456.35	Sept. 15	44.40	532.75
Mar. 25	106.40	470.75	1934, Aug. 29	56.55	520.60
Apr. 19	104.00	473.15	1935, Mar. 7	116.60	460.55
May 24	79.25	497.90	July 20	57.70	519.45
June 20	66.40	510.75	1936, Jan. 25	85.85	491.30
July 17	61.00	516.15	Aug. 25	58.51	518.64
Aug. 20	64.70	512.45	1937, July 11	56.16	520.99
Sept. 25	79.75	497.40	Aug. 17	55.80	521.35
Oct. 30	63.70	513.45	1938, Jan. 14	61.98	515.17
Dec. 9	70.75	506.40	Aug. 17	48.87	528.28
1931, Jan. 8	91.30	485.85	1939, Apr. 7	81.59	495.56
Feb. 4	61.90	515.25	July 18	62.98	514.17
Mar. 2	51.55	525.60	Aug. 16	58.02	519.13
Apr. 23	60.10	517.05	1940, Aug. 1	42.55	534.60
May 23	46.50	530.65	1941, Aug. 2	42.23	534.92
June 24	42.40	534.75	1942, Aug. 11	61.40	515.75
July 24	35.50	541.65	1943, Aug. 11	75.43	501.72
Sept. 28	46.05	531.10	Dec. 20	76.48	500.67
Dec. 1	131.95	445.20	1944, July 7	71.20	505.95
1932, Jan. 4	85.55	491.60	Aug. 9	82.37	494.78
Feb. 2	97.15	480.00	1945, July 21	80.28	496.87
Mar. 17	76.95	500.20	1946, July 11	88.82	488.33
May 5	75.90	501.25	1947, July 24	107.50	469.65
Aug. 26	50.10	527.05	1948, Sept. 13	149.91	427.24

Well N5-60

Julius DeWinnie. 4 miles east of Crystal City. Unused drilled irrigation well, diameter and depth not available. Measuring point, top of casing, at land-surface datum and 582.85 feet above mean sea level.

1929, Nov. 16	81.00	501.85	1930, Sept. 25	89.70	493.15
1930, Jan. 21	109.40	473.45	Oct. 30	64.95	517.90
Mar. 25	111.20	471.65	1931, Feb. 4	66.70	516.15
Apr. 19	99.60	483.25	Mar. 2	56.35	526.50
May 24	81.55	501.30	Apr. 23	59.10	523.75
June 20	71.15	511.70	May 23	48.85	534.00
July 17	63.00	519.85	June 24	44.25	538.60
Aug. 20	64.25	518.60	July 24	38.80	544.05

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Table 3.- Water levels in observation wells in Zavala County--Continued

Well N5-60--Continued

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1931, Sept. 28	58.75	524.10	1939, July 18	62.43	520.42
1932, Mar. 17	83.25	499.60	Aug. 16	58.29	524.56
May 5	77.30	505.55	Dec. 12	67.00	515.85
Aug. 26	51.70	531.15	1940, Aug. 1	49.67	533.18
Dec. 19	95.90	486.95	1941, Aug. 2	41.43	541.42
1936, Jan. 25	114.10	468.75	1944, July 6	66.73	516.12
Aug. 23	61.51	521.34	Aug. 9	76.61	506.24
1937, July 11	54.29	528.56	1945, July 11	90.33	492.52
1938, Jan. 14	61.13	521.72	1947, July 24	116.17	466.68
Aug. 18	51.09	531.76	Aug. 8	168.51	414.34
			Sept. 13	148.46	434.39

Well N7-34

Bryd Cattle Company. 8 miles north of Carrizo Springs. Unused drilled irrigation well, diameter 8 inches, depth not available. Measuring point, top of casing, at land-surface datum and 576.40 feet above mean sea level.

1929, Dec. 7	50.70	525.70	1933, Sept. 15	35.90	540.50
1930, Feb. 5	64.60	511.80	1934, Aug. 29	41.85	534.55
Apr. 18	60.15	516.25	1935, July 28	44.25	532.15
May 24	50.70	525.70	1936, Jan. 24	58.95	517.45
June 21	46.80	529.60	Aug. 24	46.75	529.65
July 26	45.20	531.20	1937, July 12	44.54	531.86
Aug. 20	47.10	529.30	Aug. 15	45.96	530.44
Sept. 25	50.50	525.90	1938, Jan. 11	45.81	530.59
Oct. 30	49.40	527.00	Aug. 18	40.72	535.68
Dec. 9	45.70	530.70	1939, Apr. 7	69.62	506.78
1931, Jan. 8	51.60	524.80	July 15	48.46	527.94
Feb. 4	44.00	532.40	Aug. 16	44.84	531.56
Mar. 2	37.80	538.60	1940, July 31	34.13	542.27
Apr. 23	44.90	531.50	1941, Aug. 2	34.70	541.70
May 23	35.80	540.60	1942, Aug. 8	47.23	529.17
June 24	35.50	540.90	1943, Aug. 12	60.45	515.95
July 24	28.65	547.75	Dec. 19	58.44	517.96
Sept. 28	33.35	543.05	1944, July 9	55.65	520.75
Nov. 3	50.60	525.80	1945, July 21	62.81	513.59
Dec. 1	56.65	519.75	1946, July 12	64.53	511.87
1932, Jan. 4	45.85	530.55	1947, July 23	55.85	520.55
Feb. 2	46.55	529.85	1948, May 14	57.24	519.16
Mar. 17	44.15	532.25	Aug. 10	58.19	518.21
May 5	45.00	531.40	Sept. 14	58.92	517.43
July 5	41.70	534.70			
Aug. 26	41.70	534.70			
Dec. 19	45.05	531.35			
1933, Mar. 17	40.15	536.25			

Table 3 -- Water levels in observation wells in Dimmit County--Continued

Well N7-78

C. Schmidt. 2 miles northwest of Carrizo Springs. Used drilled irrigation well, diameter 10 inches, depth 300 feet. Measuring point, top of casing, 1.0 foot above land surface datum and 676.00 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1930, Jan. 6	91.70	583.30	1933, Mar. 18	96.20	578.80
Feb. 19	91.95	583.05	Sept. 20	97.10	577.90
Mar. 17	92.00	583.00	1935, July 31	99.70	575.30
June 17	92.40	582.60	1936, Jan. 24	99.55	575.45
July 15	92.65	582.35	1937, July 14	101.36	573.64
Aug. 26	92.80	582.20	Aug. 18	101.69	573.31
Sept. 25	92.90	582.10	1938, Jan. 11	101.57	573.43
Oct. 20	93.00	582.00	Aug. 23	101.72	573.28
Dec. 11	93.05	581.95	1939, Apr. 5	103.62	571.38
1931, Jan. 9	93.90	581.10	July 19	103.61	571.39
Feb. 6	93.15	581.85	Aug. 13	103.92	571.08
Apr. 25	93.70	581.30	1940, Aug. 2	103.32	571.68
June 8	93.70	581.30	1941, Aug. 3	105.52	569.48
July 2	94.00	581.00	1942, Aug. 8	107.86	567.14
Oct. 2	94.20	580.80	1943, Aug. 7	109.22	565.78
Nov. 6	94.70	580.30	1944, July 8	106.88	568.12
Dec. 4	94.30	580.70	Aug. 14	108.13	566.87
1932, Jan. 7	94.30	580.70	1945, July 23	107.90	567.10
Mar. 19	95.00	580.00	1946, July 12	108.99	565.01
June 30	95.85	579.15	1947, July 23	111.28	562.72
Aug. 28	96.47	578.53	1948, Sept. 14	112.35	561.65
Dec. 22	96.40	578.60			

Well N7-95

M. E. Cook. 3.25 miles west of Carrizo Springs. Unused drilled irrigation well, diameter 10 $\frac{3}{4}$ inches, depth 232 feet. Measuring point, top of casing, 0.5 foot above land-surface datum and 696.60 feet above mean sea level.

1930, Jan. 6	69.45	626.65	1930, July 15	69.40	626.70
Feb. 19	69.50	626.60	Aug. 26	71.10	625.00
Mar. 17	69.60	626.50	Sept. 25	71.05	625.05
Apr. 16	70.20	625.90	Oct. 20	70.85	625.25
May 19	71.45	624.65	Dec. 11	69.35	626.75
June 17	70.25	625.85	1931, Jan. 9	69.35	626.75

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Table 3.- Water levels in observation wells in Dimmit County--Continued

Well N7-95--Continued

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1931, Feb. 7	68.20	627.90	1937, July 14	72.00	624.10
Mar. 4	68.30	627.80	Aug. 18	72.32	623.78
Apr. 25	67.95	628.15	1938, Jan. 11	71.37	624.73
June 8	71.75	624.35	Aug. 23	74.28	621.82
July 2	72.20	623.90	1939, Apr. 5	74.99	621.11
Nov. 6	72.65	623.45	July 14	74.51	621.59
Dec. 4	74.10	622.00	Aug. 13	74.48	621.62
1932, Jan. 7	73.10	623.00	1940, Aug. 2	74.17	621.93
Mar. 19	73.60	622.50	1941, Aug. 3	74.22	621.88
July 1	79.75	616.35	1942, Aug. 8	74.70	621.40
Aug. 27	78.80	617.30	1943, Aug. 7	76.50	619.60
Dec. 22	74.00	622.10	Dec. 19	75.14	620.96
1933, Mar. 18	74.15	621.95	1944, July 8	75.36	620.74
1934, Aug. 27	73.55	622.55	Aug. 14	75.49	620.61
1935, July 31	77.30	618.80	1945, July 23	76.32	619.78
1936, Jan. 24	72.35	623.75	1946, July 10	75.98	620.12
Aug. 26	73.20	622.90			

Well N7-125

A. J. Knaggs. In Carrizo Springs. Unused drilled well, diameter 6 inches, depth 133 feet. Measuring point, top of casing, 1.0 foot above land-surface datum and 613.54 feet above mean sea level.

1930, Feb. 26	57.50	555.04	1938, Jan. 11	64.00	548.54
Sept. 12	58.50	554.04	Aug. 23	64.78	547.76
1931, Feb. 6	58.30	554.24	1939, Apr. 5	65.57	546.97
Apr. 25	58.75	553.79	July 19	65.68	546.86
June 8	58.35	554.19	Aug. 13	65.51	547.03
Oct. 3	58.60	553.94	1940, Aug. 2	65.97	546.57
Dec. 4	59.00	553.54	1941, Aug. 3	66.82	545.72
1932, Jan. 7	58.85	553.69	1942, Aug. 8	67.47	545.07
Feb. 11	58.65	553.89	1943, Aug. 7	68.05	544.49
Mar. 19	59.55	552.99	Dec. 19	68.23	544.31
July 1	60.08	552.46	1944, July 8	69.05	543.49
Aug. 29	59.83	552.71	Aug. 14	69.24	543.30
Dec. 22	58.78	553.76	1945, July 23	69.52	543.02
1936, Aug. 26	63.88	548.66	1946, July 9	69.39	543.15
1937, July 14	64.19	548.35	1947, July 23	72.14	540.40
Aug. 13	64.03	548.51	1948, Sept. 14	71.79	540.75

Table 3.- Water levels in observation wells in Zavala County--Continued

Well N8-7

J. W. Little. 3.25 miles east of Crystal City. Used drilled irrigation well, diameter 15 $\frac{1}{2}$ inches, depth 1,085 feet. Measuring point, top of casing, 1.2 feet above land-surface datum and 571.45 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1929, Nov. 27	78.15	492.10	1932, Aug. 26	48.80	521.45
Dec. 18	86.05	484.20	Dec. 19	83.65	486.60
1930, Jan. 21	91.90	478.35	1933, Mar. 17	56.95	513.30
Feb. 20	113.00	457.25	Sept. 15	42.00	428.25
Mar. 25	103.00	467.25	1934, Aug. 29	56.60	513.65
Apr. 19	96.20	474.05	1935, Mar. 6	114.45	455.80
May 24	77.25	493.00	July 30	56.20	514.05
June 20	67.05	503.20	1936, Jan. 25	80.25	490.00
July 15	60.30	509.95	Aug. 23	55.12	515.13
Aug. 20	61.70	508.55	1937, July 11	52.29	517.96
Sept. 25	76.45	493.80	Aug. 17	52.00	518.25
Oct. 30	62.55	507.70	1938, Jan. 14	59.65	510.62
Dec. 9	70.20	500.05	Aug. 17	50.35	519.90
1931, Jan. 8	88.40	481.85	1939, Apr. 7	75.14	495.11
Feb. 4	60.50	509.75	July 18	60.54	509.71
Mar. 2	50.15	520.10	Aug. 16	54.58	515.67
Apr. 23	65.20	514.05	1941, Aug. 2	39.63	530.62
May 23	44.15	526.10	1942, Aug. 11	58.51	511.74
June 24	39.70	530.55	1943, Aug. 11	70.08	500.17
July 24	33.60	536.65	Dec. 20	74.39	495.86
Sept. 28	40.15	530.10	1944, July 7	68.24	502.01
Nov. 3	96.05	474.20	Aug. 9	77.25	493.00
1932, Jan. 4	80.80	489.45	1945, July 21	75.42	494.83
Feb. 2	91.85	478.40	1946, July 11	94.95	485.30
Mar. 17	71.75	498.50	1947, July 24	102.50	467.75
May 5	71.90	498.35			

Table 3 -- Water levels in observation wells in Dimmit County--Continued

Well N8-19

E. L. Omera. 5.25 miles northeast of Carrizo Springs. Used drilled irrigation well, diameter about 10 inches, depth not available. Measuring point, hope in pump base, at land-surface datum and 602.60 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1929, Dec. 18	94.50	508.10	1932, Jan. 4	87.98	514.62
1930, Jan. 21	92.70	509.90	Feb. 2	88.80	513.80
Feb. 20	106.20	496.40	Mar. 17	82.13	520.47
Mar. 20	107.10	495.50	Apr. 13	92.45	510.15
Apr. 18	111.20	491.40	May 5	87.06	515.54
May 24	93.80	508.80	27	81.40	521.20
June 27	80.00	522.60	July 5	79.00	523.60
July 16	78.50	524.10	Aug. 26	77.10	525.50
Aug. 20	82.05	520.55	Dec. 19	87.01	515.59
Sept. 25	89.75	512.85	1933, Mar. 17	71.25	531.35
Oct. 30	78.00	524.60	1937, July 12	77.30	525.30
Dec. 9	77.00	525.60	Aug. 16	80.15	522.45
1931, Jan. 8	88.60	514.00	1938, Jan. 11	78.52	524.08
Feb. 4	75.35	527.25	Aug. 18	75.99	526.61
Mar. 2	68.15	534.45	1939, Apr. 7	91.39	511.21
Apr. 23	77.20	525.40	July 19	82.70	519.90
May 23	65.30	537.30	Aug. 12	79.64	522.96
June 24	63.30	539.30	1940, Aug. 1	69.33	533.27
July 8	60.98	541.62	1941, Aug. 2	82.03	520.57
24	58.08	544.52	1942, Aug. 8	83.42	519.18
Aug. 15	56.75	545.85	1943, Aug. 12	85.03	517.57
Sept. 28	61.48	541.12	1947, July 23	90.45	512.15
Nov. 3	87.89	514.71	1948, Aug. 10	93.15	509.45
Dec. 1	102.80	499.80	Sept. 14	93.61	508.98

Table 3.- Water levels in observation wells in Dimmit County--Continued

Well N8-26

G. C. Riha. 5.5 miles northeast of Carrizo Springs. Used drilled irrigation well, diameter 8 inches, depth 818 feet. Measuring point, top of casing, at land-surface datum and 548.80 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1929, Nov. 18	62.95	485.85	1932, Aug. 26	50.77	498.03
Dec. 19	70.40	478.40	1933, Mar. 17	47.70	501.10
1930, Jan. 21	73.40	475.40	1934, Aug. 29	57.40	491.40
Feb. 20	85.00	463.80	1935, Mar. 6	80.30	468.50
Mar. 25	93.75	455.05	1936, Aug. 23	51.60	497.20
Apr. 19	86.80	462.00	1937, July 11	47.45	501.35
May 24	76.50	472.30	Aug. 17	48.54	500.26
July 17	60.10	488.70	1938, Jan. 14	57.17	491.63
Aug. 20	59.90	488.90	Aug. 17	47.13	501.67
Sept. 25	67.55	481.25	1939, Apr. 9	66.21	482.59
Oct. 30	63.60	485.20	July 20	56.15	492.65
Dec. 9	54.60	494.20	Aug. 16	53.48	495.32
1931, Jan. 8	64.45	484.35	1940, July 31	37.97	510.83
Feb. 4	57.50	491.30	1941, Aug. 2	39.38	509.42
Mar. 2	48.70	500.10	1943, Aug. 11	73.47	475.33
Apr. 23	50.70	498.10	Dec. 19	79.23	469.57
May 23	43.50	505.30	1944, July 8	66.84	481.96
June 24	37.40	511.40	Aug. 11	74.55	474.25
July 24	33.20	515.60	1945, July 22	65.79	483.01
Sept. 28	30.80	518.00	1946, July 11	74.07	474.73
Nov. 3	50.70	498.10	1948, May 14	138.89	409.91
Dec. 1	82.20	466.60	Aug. 10	130.15	418.65
1932, Jan. 4	65.80	483.00	Sept. 14	136.30	412.50
Feb. 2	65.80	483.00			
Mar. 17	60.10	488.70			

Table 3 .- Water levels in observation wells in Dimmit County--Continued

Well N8-28

J. S. Ward. 5.75 miles northeast of Carrizo Springs. Used drilled domestic and stock well, diameter 6 inches, depth 1,008 feet. Measuring point, top of pipe clamp, 1.5 feet above land-surface datum and 548.51 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1929, Nov. 18	63.30	483.71	1933, Mar. 17	45.05	501.96
Dec. 19	70.85	476.16	Sept. 15	45.25	501.76
1930, Jan. 21	73.75	473.26	1934, Aug. 29	56.90	490.11
Feb. 20	85.50	461.51	1935, Mar. 6	80.96	466.05
Apr. 19	86.55	460.46	July 31	54.30	492.71
May 24	76.70	470.31	1936, Jan. 25	54.62	492.39
July 17	59.80	487.21	Aug. 28	50.12	496.89
Aug. 20	60.05	486.96	1937, July 11	45.59	501.42
Sept. 25	64.55	482.46	Aug. 17	46.82	500.19
Oct. 30	63.40	483.61	1938, Jan. 14	57.90	489.11
Dec. 9	54.35	492.66	Aug. 17	45.75	501.26
1931, Jan. 8	64.85	482.16	1939, Apr. 9	66.41	480.60
Feb. 4	57.10	489.91	July 20	55.02	491.99
Mar. 2	47.90	499.11	Aug. 16	53.36	494.65
Apr. 23	49.45	497.56	1940, July 31	36.66	510.35
May 23	42.30	504.71	1941, Aug. 2	37.84	509.17
June 24	35.30	511.71	1942, Aug. 8	56.64	490.37
July 24	30.85	516.16	1943, Aug. 11	73.16	473.85
Sept. 28	28.50	518.51	Dec. 19	79.65	467.36
Nov. 3	49.40	497.61	1944, July 8	66.01	481.00
Dec. 1	81.30	465.71	Aug. 11	75.69	471.32
1932, Jan. 4	66.00	481.01	1945, July 22	64.25	482.76
Feb. 2	68.10	478.91	1946, July 10	72.74	474.27
Mar. 18	58.65	488.36	1947, July 23	88.35	458.66
May 5	69.40	477.61	1948, May 14	134.95	412.06
Aug. 26	49.45	497.56	Aug. 10	126.06	420.95
Dec. 19	61.30	485.71	Sept. 13	131.61	415.40

Well N8-40

John Stahl. 2.5 miles northeast of Carrizo Springs. Unused drilled irrigation well, diameter 5½ inches, depth 380 feet. Measuring point, top of casing, at land-surface datum and 557.59 feet above mean sea level.

1929, Dec. 5	51.50	506.09	1930, Apr. 18	84.20	473.39
Dec. 19	43.65	513.94	May 24	54.35	503.24
1930, Jan. 21	51.90	505.69	June 21	34.50	523.09
Feb. 20	75.70	481.89	July 16	41.00	516.59
Mar. 24	58.90	498.69	Aug. 20	55.50	502.09

(Continued on next page)

Table 3 -- Water levels in observation wells in Dimmit County--Continued

Well N8-40--Continued

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1930, Sept. 25	68.00	489.59	1935, July 30	33.30	524.29
Oct. 30	31.70	525.89	1936, Jan. 24	41.40	516.19
Dec. 9	37.00	520.59	1937, July 12	41.50	516.09
1931, Jan. 8	53.00	504.59	Aug. 16	63.05	494.54
Feb. 4	26.85	530.74	1938, Jan. 11	32.25	525.34
Mar. 2	25.40	532.19	Aug. 17	57.30	500.29
Apr. 23	33.30	524.29	1939, Apr. 7	47.88	509.71
May 23	22.85	534.74	July 15	36.18	521.41
June 24	32.60	524.99	Aug. 12	34.89	522.70
July 24	19.45	538.14	1940, Aug. 1	43.34	514.25
Sept. 28	37.70	519.89	1941, Aug. 2	40.06	517.53
Nov. 3	72.60	484.99	1942, Aug. 8	49.87	507.72
Dec. 1	47.75	509.84	1943, Aug. 11	79.13	478.46
1932, Jan. 4	32.80	524.79	Dec. 19	48.54	509.05
Feb. 2	42.05	515.54	1944, July 8	47.58	510.01
Mar. 17	35.75	521.84	Aug. 11	78.34	479.25
July 5	38.54	519.05	1945, July 24	67.74	489.85
Aug. 26	46.95	510.64	1946, July 11	80.90	476.69
Dec. 19	33.80	523.79	1947, July 24	96.72	460.87
1933, Mar. 17	26.30	531.29	1948, May 15	92.80	464.79
Sept. 15	45.45	512.14	Sept. 14	108.46	449.13
1935, Mar. 6	47.50	510.09			

Well N8-103

Marrs McLean. 10.5 miles east of Carrizo Springs. Used drilled irrigation well, diameter 10 inches, depth 780 feet. Measuring point, top of pump base, at land-surface datum and 501.60 feet above mean sea level.

1929, Nov. 26	40.25	461.35	1935, July 30	25.15	476.45
Dec. 24	42.00	459.60	1936, Aug. 27	28.71	472.89
1930, Jan. 21	51.05	450.55	1937, July 13	20.49	481.11
Mar. 20	66.35	435.25	Aug. 15	35.41	466.19
Apr. 17	71.50	430.10	1938, Jan. 13	26.51	475.09
June 17	41.15	460.45	Aug. 25	28.00	473.60
Dec. 10	36.80	464.80	1939, Apr. 7	58.98	442.62
1931, Feb. 9	26.20	475.40	July 20	29.25	472.35
Mar. 3	22.10	479.50	Aug. 15	32.42	469.18
Apr. 24	27.00	474.60	Dec. 8	27.73	473.87
June 4	16.55	485.05	1940, Aug. 3	12.94	488.66
July 27	10.10	491.50	1941, Aug. 5	11.90	489.70
Sept. 29	12.00	489.60	1942, Aug. 10	28.77	472.83
1932, Feb. 4	53.10	448.50	1946, July 11	39.80	461.80
May 6	41.20	460.40	1947, July 24	49.72	451.88
July 5	27.38	474.22	1948, Aug. 11	71.92	429.68
Aug. 27	25.48	476.12	Sept. 14	80.00	421.60
Dec. 20	23.67	477.93			

Table 3.- Water levels in observation wells in Dimmit County--Continued

Well N9-12

Federal Land Bank. 1.0 mile west of Big Wells. Used irrigation well, diameter 10 inches, depth 1,469 feet. Measuring point, top of casing, 1.5 feet above land-surface datum and 494.79 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1929, Oct. 18	17.10	476.19	1932, Feb. 3	12.30	480.99
Nov. 18	20.20	473.09	Mar. 29	21.80	471.49
Dec. 5	19.00	474.29	July 2	13.94	479.35
17	19.85	473.44	Aug. 27	13.45	479.84
1930, Jan. 17	21.00	472.29	Dec. 22	13.90	479.39
Feb. 24	30.00	463.29	1933, Mar. 23	22.60	470.69
Mar. 20	29.00	464.29	Sept. 19	11.70	481.59
Apr. 21	34.50	458.79	1934, Aug. 28	28.35	464.94
May 21	28.15	465.14	1935, Mar. 14	26.64	466.65
June 21	17.40	475.89	July 30	16.20	477.09
July 17	17.30	475.99	1936, Jan. 27	24.35	468.94
Aug. 26	18.30	474.99	Aug. 24	22.20	471.09
Sept. 24	23.30	469.99	1937, July 10	13.23	480.06
Oct. 27	15.35	477.94	Aug. 17	21.08	472.21
31	15.15	478.14	1938, Jan. 15	17.03	476.26
Dec. 12	17.40	475.89	Aug. 22	18.27	475.02
1931, Jan. 9	20.90	472.39	1939, Apr. 8	30.53	462.76
Feb. 5	10.30	482.99	July 18	17.90	475.39
Mar. 5	16.00	477.29	Aug. 11	20.17	473.12
Apr. 29	11.15	482.14	Dec. 11	19.21	474.08
May 27	6.55	486.74	1940, July 30	9.91	483.38
June 24	9.30	483.99	1941, Aug. 5	9.65	484.64
July 28	6.30	486.99	1942, Aug. 11	17.71	475.58
Sept. 30	7.40	485.89	1943, Aug. 10	24.70	468.59
Nov. 4	15.25	478.04	1948, May 14	51.56	441.73
Dec. 2	16.30	476.99	Sept. 14	53.87	439.42
1932, Jan. 5	12.35	480.94			

Well N9-16

N. Boyd. 1.5 miles east of Big Wells. Used drilled irrigation well, diameter 6 inches, depth 1,640 feet. Measuring point, top of railroad rail, 1.0 foot above land-surface datum and 552.05 feet above mean sea level.

1929, Nov. 18	74.00	477.05	1930, Oct. 31	64.75	487.30
Dec. 17	67.25	483.80	1931, Jan. 13	63.65	487.40
1930, Feb. 24	72.55	478.50	Feb. 5	59.90	491.15
May 21	71.15	479.90	Mar. 5	59.30	491.75
June 21	66.75	484.30	Apr. 30	60.10	490.95
July 18	65.40	485.65	May 27	56.65	494.40

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Table 3 - Water levels in observation wells in Dimmit County--Continued

Well N9-16--Continued

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1931, June 25	56.70	494.35	1944, July 11	75.50	475.55
July 28	53.80	497.25	Aug. 10	80.51	470.54
Dec. 5	61.75	489.30	1945, July 25	75.73	475.32
1932, July 2	63.70	487.35	1946, July 9	72.27	478.78
Aug. 27	61.80	489.25	1947, July 22	77.16	473.89
Dec. 22	66.35	484.70	1948, May 15	97.64	453.41
1935, July 30	66.00	485.05	Aug. 11	97.72	453.33
1937, July 10	64.84	486.21	Sept. 14	98.89	452.16
1939, Aug. 11	67.73	483.32			
1942, Aug. 11	65.04	486.01			
1943, Aug. 10	77.88	473.17			

Well N9-25

C. W. Barker. 4 miles southeast of Brundage. Used drilled irrigation well, diameter 10 inches, depth about 1,300 feet. Measuring point, top of casing, 1.0 foot above land-surface datum and 488.40 feet above mean sea level.

1929, Nov. 29	17.70	469.70	1932, July 2	12.60	474.80
Dec. 17	20.95	466.45	Aug. 27	11.65	475.75
1930, Jan. 17	21.85	465.55	Dec. 22	11.03	476.37
Feb. 21	30.95	456.45	1933, Sept. 19	3.50	483.90
Mar. 20	35.65	451.75	1935, Mar. 14	22.98	464.42
Apr. 21	37.15	450.25	July 30	11.80	475.60
May 17	28.80	458.60	1936, Jan. 27	20.30	467.10
June 21	19.45	467.95	1937, July 10	10.39	477.01
July 10	17.15	470.25	Aug. 17	25.11	462.29
Aug. 23	17.30	470.10	1938, Jan. 15	17.53	469.87
Sept. 24	23.30	464.10	1939, Dec. 11	15.38	472.02
Oct. 31	15.65	471.75	1940, July 30	5.15	482.25
Dec. 12	11.75	475.65	1944, July 11	30.61	456.79
1931, Jan. 9	16.00	471.40	Aug. 10	36.84	450.56
Feb. 5	8.40	479.00	1945, July 25	29.92	457.48
Mar. 6	6.20	481.20	1946, July 11	24.97	462.43
Apr. 30	7.40	480.00	1948, May 14	55.37	432.03
May 27	2.85	484.55	Sept. 14	57.50	429.90
June 24	3.45	483.95			

Table 3.- Water levels in observation wells in Dimmit County--Continued

Well N9-32

P. J. Lewis. 2.5 miles south of Big Wells. Used drilled irrigation well, diameter 8 inches, depth 1,428 feet. Measuring point, top of casing, at land-surface datum and 499.20 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1929, Dec. 3	22.85	476.35	1931, Sept. 30	16.40	482.80
17	23.50	475.70	Dec. 5	25.55	473.65
1930, Jan. 17	23.10	476.10	1932, Jan. 12	20.90	478.30
Feb. 24	26.80	472.40	Feb. 12	25.15	474.05
Apr. 21	39.55	459.65	Mar. 20	26.60	472.60
May 21	32.60	466.60	July 2	24.80	474.40
June 21	27.35	471.85	Aug. 27	24.38	474.82
July 18	28.20	471.00	Dec. 22	22.83	476.37
Aug. 23	29.25	469.95	1933, Mar. 23	24.50	474.70
Sept. 24	32.15	467.05	1937, July 10	23.19	476.01
Oct. 31	28.50	470.70	1938, Jan. 15	25.82	473.38
Dec. 12	25.25	473.95	1939, July 18	27.06	472.14
1931, Jan. 13	26.25	472.95	Aug. 11	28.88	470.32
Feb. 5	22.00	477.20	1940, July 30	18.68	480.52
Apr. 29	21.35	477.85	1941, Aug. 5	18.75	480.45
May 27	19.30	479.90	1947, July 22	40.80	458.40
June 24	19.30	479.90	1948, Sept. 14	62.39	436.81
July 28	15.50	483.70			

Well N9-33

P. J. Lewis. 2.75 miles south of Big Wells. Used drilled stock well, diameter 6 inches, depth 1,523 feet. Measuring point, top of casing, 0.5 foot above land-surface datum.

1932, Aug. 12	16.00	1940, July 30	17.09
Dec. 22	13.76	1941, Aug. 5	17.55
1936, Aug. 24	35.52	1942, Aug. 11	30.66
1937, July 10	21.61	1943, Aug. 10	43.55
Aug. 17	34.94	1944, July 11	38.97
1938, Jan. 15	23.48	Aug. 10	43.79
Aug. 22	35.78	1945, July 25	40.25
1939, Apr. 9	43.06	1946, July 11	35.12
July 18	26.44	1947, July 22	38.61
Aug. 11	27.53	1948, May 14	39.55
Dec. 11	24.08	Aug. 11	42.85
		Sept. 14	46.19

Table 3. Water levels in observation wells in Dimmit County--Continued

Well 07-3

G. W. Hatch. 9 miles northwest of Big Wells. Used drilled stock well, diameter 12 inches, depth 1,800 feet. Measuring point, top of casing, 0.5 foot above land-surface datum and 604.65 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1929, Nov. 18	96.10	508.05	1932, Mar. 24	91.40	512.75
Dec. 17	94.05	510.10	July 2	92.74	511.41
1930, Jan. 17	95.00	509.15	Aug. 27	92.93	511.22
Feb. 24	94.45	509.70	Dec. 22	92.25	511.90
Apr. 22	96.05	508.10	1933, Mar. 23	91.90	512.25
May 21	96.40	507.75	Sept. 16	92.25	511.90
June 26	96.15	508.00	1934, Aug. 28	99.25	504.90
July 18	95.65	508.50	1935, July 30	90.30	505.85
Aug. 23	95.20	508.95	1936, Aug. 25	97.25	506.18
Sept. 24	95.15	509.00	1937, July 10	94.44	508.99
Oct. 31	95.50	508.65	1938, Jan. 15	97.43	506.00
Dec. 12	94.40	509.75	1939, Apr. 8	97.59	505.84
1931, Jan. 13	94.20	509.95	Aug. 11	98.37	505.06
Feb. 5	93.50	510.65	1940, July 30	93.31	510.12
Mar. 5	92.80	511.35	1941, Aug. 5	93.34	510.09
Apr. 30	92.95	511.20	1942, Aug. 11	96.12	507.31
May 27	92.35	511.80	1943, Aug. 10	102.23	501.20
June 25	91.75	512.40	1944, July 11	103.38	500.05
July 28	91.05	513.10	Aug. 10	103.56	499.87
Oct. 5	90.10	514.05	1945, July 24	102.49	500.94
Dec. 5	91.00	513.15	1946, July 9	105.38	498.05
1932, Jan. 12	90.70	513.45	1947, July 22	108.13	495.30
Feb. 12	91.10	513.05	1948, Sept. 14	118.01	485.42

Well S1-15

J. C. Johnson. 5.5 miles southwest of Carrizo Springs. Used drilled stock well, diameter 10 inches, depth 270 feet. Measuring point, top of pump base, 1.5 feet above land-surface datum.

1930, Apr. 1	51.90	1931, June 8	52.25
May 19	52.20	July 2	52.35
July 15	52.20	Oct. 3	52.30
Aug. 26	51.30	Nov. 6	52.60
Sept. 25	52.15	Dec. 4	52.40
Oct. 20	52.45	1932, Jan. 7	52.70
Dec. 11	52.20	Feb. 11	52.45
1931, Jan. 9	52.40	Mar. 18	52.40
Feb. 7	52.25	June 30	52.65
Mar. 4	52.15	Aug. 29	52.65
Apr. 25	52.15	Dec. 22	52.46

(Continued on next page)

Table 3.- Water levels in observation wells in Dimmit County--Continued

Well Sl-15--Continued

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1933, Mar. 18	52.40		1940, Aug. 2	55.14	
Sept. 20	53.00		1941, Aug. 6	55.47	
1934, Aug. 27	53.30		1943, Aug. 6	56.21	
1938, Jan. 11	54.08		1944, July 8	56.72	
Aug. 23	55.50		1945, July 24	57.01	
1939, Apr. 5	54.56		1946, July 9	57.24	
July 17	54.75		1947, July 21	57.56	
Aug. 12	54.90				

Well Sl-16

C. W. Gilfillan and Son. 4.5 miles southwest of Carrizo Springs. Used drilled irrigation well, diameter 10 inches, depth 295 feet. Measuring point, top of pump base, 1.0 foot above land-surface datum and 670.20 feet above mean sea level.

1930, Mar. 1	54.90	614.30	1936, Jan. 24	56.75	612.45
June 13	55.00	614.20	Aug. 26	57.61	611.59
July 15	55.00	614.20	1937, July 14	57.38	611.82
Aug. 26	55.10	614.10	Aug. 13	59.67	609.53
Sept. 25	55.20	614.00	1938, Jan. 11	57.86	611.34
Oct. 20	55.25	613.95	Aug. 23	59.18	610.02
1931, Mar. 4	55.35	613.85	1939, Apr. 5	57.38	611.82
Apr. 25	55.50	613.70	July 17	58.41	610.79
July 2	55.50	613.70	Aug. 12	58.61	610.59
Oct. 3	55.60	613.60	Dec. 9	58.72	610.48
Nov. 6	55.90	613.30	1940, Aug. 2	58.63	610.57
Dec. 4	55.65	613.55	1941, Aug. 3	59.09	610.13
1932, Jan. 7	55.75	613.45	1942, Aug. 9	59.87	609.33
Feb. 11	55.85	613.35	1943, Aug. 6	59.92	609.28
Mar. 18	56.00	613.20	Dec. 20	60.19	609.01
June 30	56.05	613.15	1944, Aug. 11	61.82	607.38
Aug. 29	56.15	613.05	1945, July 24	60.92	608.28
Dec. 22	55.25	613.95	1946, July 10	61.52	607.68
1933, Mar. 18	55.40	613.80	1948, May 15	63.54	605.66
Sept. 20	55.90	613.30	Aug. 10	63.89	605.31
1935, Mar. 12	56.80	612.40	Sept. 14	65.08	604.12
July 28	56.90	612.30			

Table 3.-- Water levels in observation wells in Dimmit County--Continued

Well S1-18

J. C. Johnson. 4.25 miles southwest of Carrizo Springs. Unused drilled well, diameter 10 inches, depth 320 feet. Measuring point, top of casing, 2.0 feet above land-surface datum and 706.10 feet above mean sea level.

Date	Water level below land surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1930, Mar. 18	99.00	605.10	1935, July 28	103.25	600.85
May 19	101.80	602.30	1936, Jan. 24	103.42	600.68
June 16	101.60	602.50	Aug. 26	104.22	599.88
July 15	101.60	602.50	1937, July 14	103.14	600.96
Aug. 26	101.85	602.25	Aug. 13	104.00	600.10
Sept. 26	102.00	602.10	1938, Jan. 11	104.01	600.09
Oct. 20	102.00	602.10	Aug. 23	104.48	599.62
Dec. 11	102.00	602.10	1939, Apr. 5	104.74	599.36
1931, Jan. 9	102.20	601.70	July 17	104.74	599.36
Feb. 7	101.90	602.20	Aug. 12	104.94	599.16
Mar. 4	101.80	602.30	Dec. 9	105.06	599.04
Apr. 25	102.20	601.90	1940, Aug. 2	104.90	599.20
June 8	101.80	602.30	1941, Aug. 3	105.29	598.81
July 2	101.90	602.20	1942, Aug. 8	105.83	598.27
Oct. 3	101.70	602.40	1943, Aug. 6	107.37	596.73
Nov. 6	102.15	601.95	1944, July 8	108.22	595.88
Dec. 4	102.15	601.95	Aug. 11	108.85	595.25
1932, Jan. 7	102.25	601.85	1945, July 24	109.50	594.60
Feb. 11	102.30	601.80	1946, July 9	109.93	594.17
Mar. 18	102.20	601.90	1947, July 21	111.72	592.38
June 30	102.21	601.89	1948, May 16	113.04	591.06
Aug. 29	102.53	601.57	Aug. 10	113.86	590.24
Dec. 22	102.03	602.07	Sept. 14	114.07	590.03
1933, Sept. 20	102.45	601.65	Oct. 11	114.47	589.63
1934, Aug. 27	103.10	601.00	Nov. 9	114.20	589.90
1935, Mar. 12	103.55	600.55	Dec. 23	114.25	589.85

Well S2-24

G. S. Gay. 6 miles southeast of Carrizo Springs. Used drilled irrigation well, diameter 12 inches, depth 667 feet. Measuring point, top of pump base, 2.0 feet above land-surface datum and 583.70 feet above mean sea level.

1928, Nov. 1	136.00	445.70	1931, Apr. 24	101.90	479.80
15	138.00	443.70	May 26	84.40	497.30
1930, July 14	105.15	476.55	June 26	78.55	503.15
Oct. 31	106.62	475.08	Dec. 3	109.15	472.55
Dec. 10	96.40	485.30	1932, Jan. 6	94.40	487.30
1931, Jan. 15	106.60	475.10	May 6	106.10	475.60
Feb. 9	91.40	490.30	July 3	97.40	484.30
Mar. 3	87.00	494.70	Aug. 29	99.00	482.70

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Table 3.- Water levels in observation wells in Dimmit County--Continued

Well S2-24--Continued

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1932, Dec. 20	93.50	488.20	1939, Dec. 9	106.05	475.65
1933, Sept. 18	92.65	489.05	1940, Aug. 3	95.57	486.13
1935, July 29	91.35	490.35	1941, Aug. 4	90.32	491.38
1936, Jan. 23	90.98	490.72	1942, Aug. 9	102.83	478.87
1937, July 12	91.38	490.32	1943, Aug. 12	140.29	441.41
Aug. 14	109.23	472.47	Dec. 19	124.96	456.74
1938, Jan. 13	88.10	493.60	1946, July 10	120.01	461.69
Aug. 18	104.82	476.88	1947, July 22	125.22	456.48
1939, Apr. 9	126.50	455.20	1948, May 15	146.35	435.35
July 16	96.14	485.56	Sept. 14	163.70	418.00
Aug. 13	97.69	484.01			

Well S2-27

Mrs. J. A. McDonald. 3.5 miles northeast of Asherton. Used drilled domestic and stock well, diameter 8 inches, depth 1,000 feet. Measuring point, top of pump base, 1.0 foot above land-surface datum and 529.35 feet above mean sea level.

1929, Nov. 26	75.20	453.15	1932, Aug. 30	56.10	472.25
Dec. 24	76.45	451.90	Dec. 20	52.20	476.15
1930, Jan. 15	81.40	446.95	1933, Mar. 21	47.00	481.35
Feb. 18	89.40	438.95	Sept. 18	45.00	483.35
Mar. 20	100.70	427.65	1935, Mar. 11	56.55	471.80
Apr. 17	98.10	430.25	July 30	51.40	476.95
May 16	86.45	441.90	1936, Jan. 23	49.45	478.90
June 18	71.10	457.25	Aug. 27	56.74	471.61
July 14	65.15	463.20	1937, July 13	47.37	480.98
Sept. 23	79.55	448.80	1938, Jan. 13	53.51	474.84
Dec. 10	59.40	468.95	Aug. 19	52.09	476.26
1931, Feb. 9	56.10	472.25	1939, Apr. 12	72.83	455.52
Mar. 3	49.60	478.75	Aug. 11	56.50	471.85
Apr. 24	60.10	468.25	Dec. 8	54.43	473.92
June 4	46.70	481.65	1941, Aug. 4	50.41	477.94
26	44.90	483.45	1942, Aug. 10	52.42	475.93
July 27	39.00	489.35	1943, Aug. 13	60.41	467.94
Sept. 29	39.60	488.75	1944, July 11	65.76	462.59
Dec. 3	66.45	461.90	Aug. 11	65.50	462.85
1932, Jan. 11	54.10	474.25	1945, July 24	64.43	463.92
Feb. 4	61.35	467.00	1946, July 11	68.66	459.69
Mar. 22	56.60	471.75	1947, July 24	68.07	460.28
May 6	67.90	460.45	1948, May 15	71.70	456.65
July 5	56.30	472.05	Sept. 14	74.21	454.14

Table 3.- Water levels in observation wells in Dimmit County--Continued

Well S2-78

Mr. McClaren. 2.5 miles southeast of Asherton. Used drilled domestic and stock well, diameter 12 inches, depth 1,000 feet. Measuring point, top of casing, 0.5 foot above land-surface datum and 637.05 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1929, Dec. 7	190.75	455.80	1933, Sept. 18	153.00	483.55
1930, Jan. 15	200.90	435.65	1935, Mar. 10	162.25	474.30
Mar. 19	210.70	425.85	July 29	153.15	483.40
Apr. 17	216.15	420.40	1936, Jan. 23	153.95	482.60
May 16	193.60	442.95	Aug. 25	159.61	476.94
June 18	186.70	449.85	1937, July 12	151.54	485.01
July 14	174.65	461.90	Aug. 14	164.84	471.71
Aug. 22	172.90	463.65	1938, Jan. 13	156.04	480.51
Sept. 23	191.10	445.45	Aug. 19	157.24	479.31
Oct. 31	173.50	463.05	1939, Apr. 8	170.41	466.14
Dec. 10	173.70	462.85	July 15	156.70	479.85
1931, Jan. 15	181.45	455.10	Aug. 15	153.02	478.53
Feb. 9	163.25	473.30	Dec. 10	164.96	471.59
Apr. 24	175.70	460.85	1940, Aug. 3	145.23	491.32
May 26	157.65	478.90	1941, Aug. 4	143.20	493.35
June 26	151.40	485.15	1942, Aug. 10	159.77	476.78
July 27	146.35	490.20	1943, Aug. 12	184.11	452.44
Sept. 29	149.30	487.25	Dec. 18	187.28	449.27
Dec. 3	170.55	466.00	1944, July 11	176.11	460.44
1932, Jan. 6	162.25	474.30	Aug. 12	190.57	445.98
Feb. 4	165.60	470.95	1945, July 24	182.54	454.01
May 6	173.35	463.20	1946, July 10	176.47	460.08
July 3	167.75	468.80	1947, July 22	178.23	458.32
Aug. 30	163.18	473.37	1948, May 16	201.69	434.86
Dec. 20	158.30	478.25	Aug. 10	202.34	434.21
1933, Mar. 21	159.55	477.00	Sept. 15	211.97	424.58

Well S2-94

Catarina Farms. 9 miles west of Catarina. Used drilled stock well, diameter 10 inches, depth 1,424 feet. Measuring point, top of pump base, 0.5 foot above land-surface datum and 694.60 feet above mean sea level.

1929, Dec. 10	190.70	503.40	1930, June 19	189.60	504.50
1930, Jan. 15	192.00	502.10	July 14	189.50	504.60
Feb. 18	191.70	502.40	Aug. 22	189.80	504.30
Mar. 19	192.30	501.70	Sept. 23	192.30	501.80
Apr. 17	191.60	502.50	Oct. 31	192.05	502.05
May 16	191.10	502.60	Dec. 10	188.70	505.40

(Continued on next page)

Table 3.- Water levels in observation wells in Dimmit County--Continued

Well S2-94--Continued

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1931, Jan. 15	189.90	504.20	1935, July 29	174.20	519.90
Feb. 9	188.35	505.75	1936, Jan. 23	172.35	521.75
Mar. 3	187.10	507.00	1937, July 12	171.63	522.47
1932, Jan. 11	193.70	500.40	Aug. 14	171.78	522.32
Feb. 4	190.60	503.50	1938, Jan. 13	176.60	517.50
Mar. 22	182.50	511.60	Aug. 24	176.96	517.14
May 6	187.60	506.50	1939, Aug. 15	176.01	518.09
July 3	181.90	512.20	1940, Aug. 4	171.28	522.82
Aug. 30	183.50	511.10	1941, Aug. 4	168.84	525.26
Dec. 20	177.30	516.80	1943, Dec. 18	195.55	498.55
1933, Mar. 21	176.90	517.20	1944, Aug. 12	191.54	502.56
Sept. 18	174.50	519.60	1945, July 24	187.26	506.84
1935, Mar. 10	172.95	521.15	1946, July 10	193.04	501.06

Well S2-102

J. P. Giles. 3.5 miles northwest of Catarina. Unused drilled irrigation well, diameter 10 inches, depth 1,185 feet. Measuring point, top of pump base, 1.0 foot above land-surface datum and 582.95 feet above mean sea level.

1929, Oct. 25	109.80	472.15	1935, July 29	102.00	479.95
Nov. 19	119.90	462.05	1936, Jan. 23	106.60	475.35
1930, Feb. 18	140.80	441.15	Aug. 27	114.32	467.63
Mar. 19	148.50	433.45	1937, July 13	110.14	471.81
May 16	133.60	448.35	1938, Jan. 13	107.48	474.47
June 19	123.80	458.15	1939, July 15	110.31	471.64
July 14	119.60	462.35	Aug. 15	110.08	471.87
Sept. 23	125.80	456.15	Dec. 8	110.07	471.88
Oct. 31	118.85	463.10	1940, Aug. 3	103.80	478.15
1931, Feb. 9	112.10	469.85	1941, Aug. 4	100.82	481.13
Mar. 3	116.40	465.55	1942, Aug. 10	105.11	476.84
Apr. 24	120.20	461.75	1943, Aug. 13	113.45	468.50
June 26	103.75	478.20	Dec. 18	114.77	467.18
July 27	99.50	482.45	1944, July 11	113.99	467.96
Sept. 29	98.85	483.10	Aug. 12	113.14	468.81
1932, Jan. 11	105.10	476.85	1945, July 21	112.55	469.40
Mar. 22	115.35	466.60	1946, July 10	112.45	469.50
May 6	119.00	462.95	1947, July 22	110.91	471.04
July 5	116.75	465.20	1948, Aug. 10	113.60	468.35
Aug. 30	113.90	468.05	Sept. 14	113.87	468.08
Dec. 30	106.25	475.70	Oct. 11	114.31	467.64
1933, Mar. 21	100.00	481.95	Nov. 9	114.87	467.08
Sept. 18	100.00	481.95	Dec. 23	115.52	466.43
1935, Mar. 11	106.45	475.50			

Table 3 -- Water levels in observation wells in Dimmit County--Continued

Well S3-10

H. H. Coffield. 5 miles northeast of Catarina. Used drilled irrigation well, diameter 8 inches, depth 1,419 feet. Measuring point, top of casing, 0.5 foot above land-surface datum and 545.35 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1929, Dec. 17	83.50	461.35	1932, Dec. 20	67.70	477.15
1930, Jan. 15	83.05	461.80	1933, Mar. 21	64.50	480.85
Feb. 18	86.40	458.45	1936, Aug. 27	75.13	469.72
Mar. 19	92.65	452.20	1937, July 13	69.56	475.29
June 19	83.50	461.55	Aug. 14	72.73	472.12
July 14	79.45	465.40	1938, Jan. 13	74.96	469.89
Aug. 22	79.10	465.75	Aug. 25	83.09	461.76
1931, Feb. 9	74.30	470.55	1939, July 16	76.36	468.49
Mar. 3	71.10	473.75	Aug. 15	73.96	470.89
May 26	69.90	474.95	1940, Aug. 3	65.34	479.51
June 26	68.10	476.75	1941, Aug. 4	64.59	480.26
July 27	65.75	479.10	1942, Aug. 10	72.84	472.01
Sept. 29	63.60	481.25	1943, Aug. 13	83.93	459.92
Dec. 3	69.95	474.90	1944, July 7	88.87	455.98
1932, Jan. 11	67.85	477.00	Aug. 12	88.33	456.52
Feb. 4	67.90	476.95	1945, July 24	85.06	459.79
Mar. 22	67.90	476.94	1946, July 10	88.67	456.18
May 6	73.70	471.15	1947, July 22	90.16	454.69
July 5	72.80	472.05	1948, May 14	107.94	436.91
Aug. 30	71.75	473.10	Sept. 16	102.03	442.82

Well S3-16

Catarina Farms. 2.5 miles west of Catarina. Unused drilled irrigation well, diameter 10 inches, depth not available. Measuring point, top of pump base, 1.0 foot above land-surface datum.

1936, Aug. 27	137.80	1940, Aug. 3	125.32
1937, July 13	128.24	1941, Aug. 4	124.59
Aug. 14	134.82	1943, Aug. 13	140.42
1938, Jan. 13	130.55	1945, July 24	145.93
Aug. 25	132.64	1946, July 10	143.62
1939, Apr. 8	139.56	1947, July 22	141.43
July 15	132.41	1948, Sept. 16	152.53
Aug. 15	133.11		

Table 3.- Water levels in observation wells in Dimmit County--Continued

Well S5-3

Catarina Farms. 5.5 miles west of Catarina. Unused drilled irrigation well, diameter 10 inches, depth 1,422 feet. Measuring point, top of pump base, 1.0 foot above land-surface datum and 598.20 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1929, Dec. 10	121.70	475.50	1933, Mar. 21	97.50	499.70
1930, Jan. 15	126.40	470.80	Sept. 18	97.50	499.70
Feb. 18	128.90	468.30	1935, Mar. 10	97.55	499.65
June 19	126.30	471.00	July 29	98.10	499.10
July 14	122.70	474.50	1936, Jan. 23	97.75	499.45
Aug. 22	117.75	479.45	1937, July 13	97.19	500.01
Sept. 23	118.25	478.95	Aug. 14	99.34	497.86
Oct. 31	117.40	479.80	1938, Jan. 13	102.39	494.81
Dec. 10	113.80	483.40	Aug. 24	100.18	497.02
1931, Jan. 15	118.40	478.80	1939, July 16	102.88	494.32
Feb. 9	112.10	485.10	Aug. 15	103.10	494.10
Mar. 3	107.50	489.70	1940, Aug. 4	96.62	500.58
Apr. 24	115.40	481.80	1941, Aug. 4	94.21	502.99
May 26	109.00	488.20	1942, Aug. 10	104.57	492.63
June 26	106.00	491.20	1943, Aug. 13	116.23	480.97
July 27	100.35	496.85	Dec. 18	131.24	465.96
Sept. 29	96.65	500.55	1944, July 7	119.40	477.80
Dec. 3	106.35	490.85	Aug. 12	120.89	476.31
1932, Jan. 11	102.15	495.05	1945, July 21	138.52	459.68
Feb. 4	103.40	493.80	1946, July 10	139.60	457.60
Mar. 22	104.15	493.05	1947, July 22	137.95	459.25
May 6	111.80	485.40	1948, May 15	143.55	453.65
July 3	110.50	486.70	Aug. 10	144.67	452.53
Aug. 30	109.85	487.35	Sept. 15	147.87	450.33
Dec. 20	103.90	493.30			

Well S5-5

Catarina Farms. 13.5 miles southwest of Catarina. Used drilled domestic and stock well, diameter 12 inches, depth 1,374 feet. Measuring point, top of pump base, 1.0 foot above land-surface datum and 613.70 feet above mean sea level.

1929, Dec. 10	72.45	540.25	1931, Feb. 9	70.15	542.55
1930, Jan. 15	72.15	540.55	Mar. 3	69.40	543.30
Feb. 18	73.70	539.00	Apr. 24	68.85	543.85
Mar. 19	74.20	538.50	May 26	68.70	544.00
Apr. 17	75.60	537.10	June 26	68.20	544.50
May 16	92.80	519.90	July 27	67.00	545.70
June 19	74.60	538.10	Sept. 29	65.00	547.70
July 14	73.85	538.85	Dec. 3	65.10	547.60
Aug. 22	72.70	540.00	1932, Jan. 11	65.00	547.70
Sept. 23	71.80	540.90	Feb. 4	65.40	547.30
Dec. 10	70.80	541.90	Aug. 30	67.20	545.50

(Continued on next page)

Table 3.- Water levels in observation wells in Dimmit County--Continued

Well S5-5--Continued

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1932, Dec. 20	65.60	547.10	1943, Aug. 13	75.17	537.53
1933, Sept. 18	64.40	548.30	Dec. 18	75.26	537.44
1936, Aug. 27	68.30	544.40	1944, July 7	78.37	534.33
1937, Aug. 14	62.67	550.03	Aug. 12	77.18	535.52
1938, Aug. 24	63.72	548.98	1945, July 24	75.96	536.73
1939, Aug. 15	66.34	546.36	1946, July 10	80.13	532.57
1940, Aug. 4	66.08	546.62	1947, July 22	77.14	535.56
1941, Aug. 4	64.58	548.12	1948, Aug. 10	82.05	530.65
1942, Aug. 10	68.23	544.47	Sept. 16	80.92	531.78

Well S5-10

Catarina Farms. 5.5 miles southwest of Catarina. Used drilled domestic and stock well, diameter 10 inches, depth 1,615 feet. Measuring point, top of concrete block, 0.5 foot above land-surface datum and 571.70 feet above mean sea level.

1929, Dec. 11	85.90	485.30	1932, July 3	85.75	485.45
1930, Jan. 15	86.50	484.70	Aug. 30	85.50	485.70
Feb. 18	96.15	475.05	Dec. 20	79.64	491.56
Mar. 19	97.45	473.75	1933, Mar. 21	75.25	495.95
May 16	100.90	470.30	Sept. 18	77.90	493.30
July 14	95.85	475.35	1935, July 29	77.15	494.05
Aug. 22	94.10	477.10	1936, Jan. 23	76.90	494.30
Sept. 23	93.65	477.55	Aug. 27	75.13	496.07
Oct. 31	92.20	479.00	1937, July 12	75.89	495.31
Dec. 10	89.05	482.15	Aug. 14	78.79	492.41
1931, Jan. 15	91.25	479.95	1938, Jan. 13	82.38	488.82
Feb. 9	88.85	482.35	Aug. 24	79.48	491.72
Mar. 3	85.75	485.45	1939, July 16	83.71	487.49
Apr. 24	89.40	481.80	Aug. 15	81.87	489.33
June 26	83.65	487.55	1944, July 7	96.56	474.64
July 27	81.20	490.00	Aug. 12	96.76	474.44
Sept. 29	77.80	493.40	1945, July 24	95.34	475.86
Dec. 3	81.85	489.35	1946, July 10	97.27	473.93
1932, Jan. 11	80.70	490.50	1947, July 22	96.13	475.07
Feb. 4	80.00	491.20	1948, Sept. 16	104.37	466.83
Mar. 22	79.90	491.30			
May 6	85.25	485.95			

Table 3.- Water levels in observation wells in Dimmit County--Continued

Well S6-4

O. V. Ray. 2 miles southeast of Catarina. Unused drilled irrigation well, diameter 10 inches, depth 1,432 feet. Measuring point, top of pump base, at land-surface datum and 482.26 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1928, Nov. 1	23.00	459.26	1932, Dec. 20	8.38	473.88
	15	462.26	1933, Mar. 21	1.05	481.21
1930, Jan. 15	24.65	457.61	1935, Mar. 10	10.10	472.16
	Mar. 19	445.06		July 29	475.46
	Apr. 17	443.46	1936, Jan. 23	10.50	471.76
	May 16	449.11		Aug. 27	464.34
	June 19	457.36	1937, July 13	7.84	474.42
	July 14	458.46		Aug. 14	468.58
	Aug. 22	457.46	1938, Jan. 13	10.21	472.05
	Sept. 23	455.96		Aug. 25	471.22
	Oct. 31	461.83	1939, July 15	9.84	472.42
	Dec. 10	463.66		Aug. 15	471.55
1931, Feb. 9	16.70	465.56		Dec. 8	472.87
	Mar. 3	468.26	1940, May 16	9.08	473.18
	Apr. 24	461.46		Aug. 3	475.17
	May 26	468.46	1941, Aug. 4	7.00	475.26
	June 26	470.26	1942, Aug. 10	10.66	471.60
	July 27	474.96	1943, Aug. 13	21.25	461.01
	Sept. 29	475.16	1944, July 7	22.55	459.71
	Dec. 3	470.11		Aug. 12	460.69
1932, Jan. 11	9.60	472.66	1945, July 24	20.39	461.87
	Feb. 4	470.66	1946, July 10	20.62	461.64
	Mar. 22	469.11	1947, July 22	19.86	462.40
	May 6	463.66	1948, May 15	19.52	462.74
	July 3	464.51		Aug. 10	460.46
	Aug. 30	467.51		Sept. 15	459.94

Table 3 -- Water levels in observation wells in Dimmit County--Continued

Well T1-5

R. W. Wilson. 3.5 miles east of Valley Wells. Used drilled irrigation well, diameter 8 inches, depth 1,710 feet. Measuring point, top of pipe clamp, at land-surface datum and 484.25 feet above mean sea level.

Date	Water level below land-surface datum (feet)	Altitude of water surface	Date	Water level below land-surface datum (feet)	Altitude of water surface
1930, Jan. 6	3.50	480.75	1932, July 2	0.71	483.54
Feb. 24	3.50	480.75	Aug. 30	1.05	483.20
Apr. 22	6.80	477.45	1933, Mar. 23	Flowing	-----
May 21	6.90	477.35	Sept. 16	Flowing	-----
June 26	4.90	479.35	1934, Aug. 28	7.50	476.75
July 18	4.05	480.20	1936, Aug. 25	8.15	476.10
Aug. 23	4.30	479.95	1937, July 30	4.05	480.20
Sept. 24	4.85	479.40	Aug. 17	9.19	475.06
Oct. 31	3.80	480.45	1938, Jan. 15	6.17	478.08
Dec. 12	2.95	481.30	Aug. 22	8.51	475.74
1931, Jan. 13	2.95	481.30	1939, July 14	6.93	477.32
Feb. 5	1.65	482.60	Aug. 11	7.95	476.30
Mar. 5	Flowing	-----	1940, July 30	1.79	482.46
Apr. 30	1.75	482.50	1941, Aug. 5	2.58	481.67
May 27	Flowing	-----	1943, Aug. 10	13.75	470.50
June 25	Flowing	-----	1944, Aug. 10	14.42	469.83
July 28	Flowing	-----	1945, July 25	15.19	469.06
Oct. 5	Flowing	-----	1946, July 10	17.48	466.77
Dec. 5	Flowing	-----	1947, July 22	16.45	467.80
1932, Jan. 12	Flowing	-----	1948, May 14	25.77	458.48
Feb. 12	Flowing	-----	Sept. 21	29.34	454.91
Mar. 24	Flowing	-----			

Table 4.- Analyses of ground waters in the Winter Garden district, Texas
(Analyses given are in parts per million except specific conductance, pH, and percent sodium)

Carrizo sand

Well	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Microhmhos at 25° C)	pH	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Dissolved solids	Total hardness as CaCO ₃	Percent sodium
H7-13	Roy Cornett	172	Apr. 9, 1930	-	-	16	4.9	110	20	20	2.8	372	33	44	-	1.1	422	357	12
H7-20	O. V. Vickery	130	May 20, 1930	-	-	-	-	130	19	20	20	457	29	18	-	.20	450	403	9.7
H7-21	do.	164	Dec. 10, 1937	-	-	-	-	101	17	42	42	343	34	67	.1	1.9	390	321	22
H7-23	do.	182	do.	-	-	-	-	-	-	55	3.8	388	30	39	.2	.20	-	285	29
H8-17	A. W. West	234	Apr. 9, 1930	-	-	32	.43	128	17	35	3.8	361	69	71	-	1.2	549	390	17
H8-68	A. Walker	84	Dec. 27, 1948	856	-	12	-	107	29	24	24	262	54	117	-	3.5	512	386	12
H9-1	--	58	Nov. 26, 1930	-	-	-	69	222	25	90	90	548	5	282	-	.20	894	658	23
H9-2	Kincaid Bros.	250	Apr. 17, 1930	-	-	30	.15	111	9.1	50	4.5	281	45	94	-	22	516	315	27
I7-3	--	-	May 21, 1930	-	-	-	-	135	20	53	53	344	113	93	-	4.0	588	420	21
M3-3	-- Ingram	-	Jan. 1913	-	-	-	-	-	-	136	-	214	32	226	-	-	-	232	56
M3-6	M. Rambie	100	Apr. 18, 1930	-	-	55	.06	88	13	97	4.5	287	78	120	-	10	623	273	44
M3-36	Willie Clark	263	-	-	-	-	-	-	-	180	-	309	149	98	.6	.20	624	156	72
M6-10	W. M. Van Cleave	150	Apr. 16, 1930	-	-	25	.13	21	8.6	172	6.1	341	92	73	-	.70	559	88	81
M9-1	T. B. Mear	335	do.	-	-	16	.29	40	12	75	4.2	293	41	26	-	.52	345	149	53
M9-14	B. H. Erskine	410	Apr. 6, 1939	-	-	-	-	-	-	70	-	286	37	20	-	-	322	150	50
N1-7	D. H. Monkhouse	161	Feb. 9, 1928	-	-	20	.54	91	17	17	2.1	324	33	23	-	.22	360	297	12
N1-8	W. Richey	180	Mar. 1913	-	-	-	-	-	-	43	-	254	25	32	-	-	-	186	33
N1-17	Mathews Ranch	134	Oct. 18, 1930	-	-	-	.06	60	19	60	-	248	66	60	-	3.3	390	228	37
N1-49	R. K. Miller	520	Apr. 3, 1930	-	-	20	5.6	70	15	12	2.8	280	13	14	-	.15	270	236	11
N1-49	do.	520	May 9, 1945	499	7.1	18	.03	85	14	3.0	-	283	21	15	.4	.2	303	270	24
N1-58	R. W. Norton	202	Apr. 18, 1930	-	-	26	.15	34	15	154	5.6	332	82	94	-	.30	569	146	70
N1-62	Mathews Ranch	630	Oct. 18, 1930	-	-	-	4.6	74	22	36	-	322	48	28	-	.0	367	275	22
N1-66	Emma Mangum	655	do.	-	-	-	1.6	78	18	22	-	312	36	16	-	.0	324	269	15
N1-68	-- Shaw	300	May 4, 1939	-	-	-	-	-	-	15	-	200	49	75	-	5.8	363	292	10
N1-70	J. A. Lanning, Sr.	240	Dec. 27, 1948	751	-	16	-	105	24	15	-	356	41	40	-	1.8	418	360	8.2
N1-75	Sam Kone	494	do.	640	-	20	-	91	20	23	-	348	38	24	-	.5	388	309	14
N2-4	-- Stanfield	338	Oct. 25, 1930	-	-	-	2.0	281	54	75	-	353	88	500	-	.42	1,172	924	15
N2-19	I. T. Pryor Estate	2,680	1930	-	-	-	1.6	99	27	136	-	345	150	152	-	.30	734	358	45
N2-37	C. F. Mang	470	Dec. 27, 1948	571	-	14	-	88	19	2.1	-	312	27	13	-	.0	316	298	1.5
N4-34	W. Y. Giesler	1,035	Feb. 6, 1928	-	-	19	.24	54	15	61	3.6	265	46	45	-	.21	366	196	41

Table 4.- Analyses of ground water in the Winter Garden district, Texas--Continued

Carrizo sand

Well	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Micromhos at 25° C)	pH	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Dissolved solids	Total hardness as CaCO ₃	Percent sodium
N4-38	F. M. Dunkle	450	Jan. 5, 1949	596	-	14	-	42	17	65		288	40	27	-	0.0	348	175	45
N4-55	-- Mandell	703	Dec. 1, 1937	-	-	-	-	-	-	46		249	24	17	.3	.10	-	153	40
N4-55	do.	703	Apr. 27, 1939	-	-	-	-	-	-	21		290	31	17	-	.0	312	248	16
N4-56	Owen Williams	520	Dec. 10, 1937	-	-	-	-	-	-	63		278	24	21	.3	.10	-	147	48
N5-7	Sol. Freed	1,001	Oct. 25, 1930	-	-	-	4.6	92	20	122		366	92	128	-	.10	634	312	46
N5-9	W.E. Richardson	858	Apr. 19, 1930	-	-	17	.29	92	26	202	7.2	306	118	296	-	.58	922	337	57
N5-42	E. B. Taylor	1,082	Mar. 1947	944	-	-	-	97	22	56		336	87	62	-	.5	503	332	27
N5-48	City of Crystal City	1,050	Apr. 26, 1930	-	-	22	.48	66	18	57	5.6	306	66	38	-	.13	411	239	35
N5-48	do.	1,050	May 4, 1939	-	-	-	-	-	-	60		298	109	36	-	.0	459	278	32
N5-58	Marrs McLean	1,038	June 20, 1930	-	-	26	1.1	96	21	56	6.0	344	94	53	-	.62	528	326	28
N5-59	do.	970	Jan. 1913	-	-	-	-	-	-	84		289	65	49	-	-	-	191	49
N5-67	W. B. Gates	1,057	Apr. 29, 1939	-	-	-	-	-	-	15		334	87	36	-	.0	458	382	8
N5-72	Mrs. C.L. Coleman	1,160	Dec. 9, 1937	-	-	-	-	-	-	63		316	100	38	.2	.10	-	279	33
N5-72	do.	1,160	Apr. 11, 1939	-	-	-	-	-	-	33		346	79	41	-	.0	465	352	17
N5-76	Ira Cribbs	950	Apr. 26, 1939	-	-	-	-	-	-	37		332	90	37	-	.0	462	338	19
N5-81	R. L. Guyler	990	Dec. 27, 1948	1,060	-	17	-	68	25	121		304	88	138	-	.0	610	272	49
N5-92	California Packing Corp.	1,163	do.	754	-	16	-	98	25	24		320	83	36	-	.0	448	348	13
N6-2	Wiegand Bros.	-	1930	-	-	-	-	44	-	98		294	60	30	-	.05	377	132	62
N7-27	Eardley Estate	472	Apr. 4, 1930	-	-	16	.06	32	11	75	4.2	259	38	31	-	.0	326	125	57
N7-40	Lynch Bros.	188	June 26, 1930	-	-	44	.02	39	11	53	4.4	124	41	80	-	6.4	345	143	46
N7-46	State of Texas	1,022	July 24, 1930	-	-	21	.02	44	14	59	3.0	267	37	28	-	.05	335	167	44
N7-46	do.	1,022	Nov. 29, 1938	-	-	-	-	-	-	200		310	92	108	.3	.20	561	69	86
N7-46	do.	1,022	Dec. 28, 1948	537	-	19	-	45	14	55		260	38	26	-	.0	325	170	41
N7-56	H.H. Herrington	600	Dec. 1938	-	-	-	-	30	-	157		288	50	105	-	.15	478	99	78
N7-67	Dr. B.F. Smith	310	Feb. 2, 1928	-	-	21	.21	38	12	76	5.5	282	40	30	-	.15	355	144	54
N7-69	G. E. Whitney	504	Jan. 4, 1949	590	-	18	-	40	15	70		276	41	32	-	.2	353	162	48
N7-74	Sam McKnight	-	Mar. 28, 1930	-	-	26	1.4	111	22	56	6.6	265	81	141	-	.23	604	368	26
N7-74	do.	-	Apr. 14, 1939	-	-	-	-	-	-	36		239	61	95	-	-	436	315	20
N7-75	F. Kirk	306	June 1913	-	-	-	-	-	-	99		254	82	16	-	-	-	100	68
N7-99	Mobley Bros.	410	Dec. 21, 1938	-	-	-	-	60	20	122		222	123	132	-	.25	567	232	53
N7-110	Ward & Conn	312	Mar. 1913	-	-	-	-	-	-	102		260	82	16	-	-	-	100	70
N7-125	A. J. Knaggs	133	-	-	-	37	.08	69	14	110	3.7	214	107	130	-	4.0	584	230	51
N7-126	City of Carrizo Springs	322	Mar. 15, 1930	-	-	23	.06	39	14	127	5.8	221	94	113	-	.26	515	155	65

Table 4 .- Analyses of ground waters in the Winter Garden district, Texas--Continued

Carrizo sand

Well	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Microhmhos at 25° C.)	pH	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Dissolved solids	Total hardness as CaCO ₃	Percent sodium
N7-142	L. B. Huth	420	Apr. 6, 1939	-	-	-	-	-	-	76	-	206	43	37	-	-	292	100	62
N7-145	Mobley Bros.	340	Dec. 21, 1938	-	-	-	-	37	12	127	-	266	76	85	-	.0	468	142	66
N7-146	-- Wilson	300	Apr. 26, 1939	-	-	-	-	-	-	274	-	121	402	720	-	-	1,816	938	39
N7-149	W. L. Measles	280	Feb. 20, 1939	-	-	-	-	-	-	121	-	288	52	46	-	-	386	92	74
N7-152	-- Tisdell	375	Mar. 13, 1939	-	-	-	-	-	-	151	-	220	85	95	-	-	454	75	81
N7-153	L.H.Upchurch	215	Dec. 7, 1937	-	-	-	-	-	-	42	-	197	112	195	.1	2.4	637	321	42
N7-173	City of Carrizo Springs	338	May 10, 1945	1,050	7.5	24	.18	58	16	117	24	221	113	136	.6	4.0	606	210	51
N8-8	-- Wagner	1,212	Mar. 1913	-	-	-	-	-	-	94	-	280	84	48	-	-	-	180	53
N8-9	A. Wagner	1,094	Mar. 1913	-	-	-	1.6	24	12	260	-	265	130	228	-	-	866	109	84
N8-29	J. C. & O. E. Bookout	1,005	May 24, 1930	-	-	19	.10	25	9.3	535	7.2	383	173	585	-	.10	1,548	101	92
N8-42	W. Wilcox	425	Mar. 15, 1939	-	-	-	-	-	-	219	-	306	139	136	-	-	667	112	81
N8-56	John Ivey	700	Jan. 4, 1949	738	-	24	-	39	19	97	-	284	63	62	-	.0	446	176	55
N8-61	T.W.Courtney	1,170	June 1914	-	-	-	.40	44	15	92	-	287	50	60	-	-	423	172	54
N8-64	City of Brundage	1,170	May 11, 1945	770	7.8	23	.73	36	11	112	9.1	323	54	47	1.0	.8	454	135	62
N8-66	A. H. Swindell	408	Mar. 29, 1930	-	-	23	.71	23	9	107	5.0	284	47	38	-	.36	386	94	72
N8-67	S.P. Spalding	495	Dec. 7, 1937	-	-	-	-	-	-	165	-	292	60	82	.5	.0	-	58	86
N8-75	Ehler Bros.	440	Nov. 23, 1938	-	-	-	-	-	-	144	-	295	90	56	-	1.8	464	102	75
N8-82	R. N. Mitchell	660	Mar. 1913	-	-	-	-	-	-	94	-	265	46	40	-	-	-	118	63
N8-82	do.	660	June 26, 1930	-	-	27	.22	27	9.2	102	4.3	281	48	38	-	.30	391	105	68
N8-101	Marrs McLean	1,135	Feb. 7, 1928	-	-	20	.04	17	6.5	133	5.4	318	51	44	-	.18	427	69	81
N8-102	do.	1,224	Feb. 11, 1928	-	-	24	.27	18	9.4	493	3.2	499	154	420	-	.0	1,384	84	93
N8-104	Hiram G. Hines	582	Dec. 4, 1937	-	-	-	-	-	-	1,130	-	130	491	1,320	1.7	.0	2,912	22	99
N8-104	do.	582	Sept. 1, 1941	-	-	-	-	39	44	1,130	-	390	633	1,210	-	-	3,250	228	91
N8-104	do.	582	Dec. 19, 1943	-	-	-	-	-	-	-	-	376	887	1,380	-	-	-	-	-
N8-104	do.	582	July 26, 1945	-	-	-	-	70	45	985	-	365	597	1,120	-	.5	3,000	360	86
N8-104	do.	582	Mar. 1947	3,730	-	-	-	46	34	714	-	326	402	795	-	.8	2,150	255	86
N8-106	John Stahl	450	Dec. 6, 1937	-	-	-	-	-	-	407	-	330	335	435	.0	.2	1,415	348	72
N8-108	F. Webb	564	Dec. 2, 1937	-	-	-	-	-	-	216	-	280	133	185	.0	.2	716	162	74
N8-122	B. R. Gaylor	912	Jan. 1913	-	-	-	-	-	-	66	-	261	42	38	-	-	-	168	45
N9-3	H. A. Moore	1,236	Dec. 1913	-	-	-	-	-	-	163	-	389	50	119	-	-	-	184	65
N9-3	do.	1,236	June 21, 1930	-	-	29	.58	38	12	96	6.4	303	55	37	-	.25	410	144	60
N9-6	O. H. Nsnce	1,448	Dec. 1, 1938	-	-	-	-	-	-	-	-	222	40	29	.10	.4	-	-	-
N9-7	J. T. Kinnard	1,600	-	-	-	-	-	-	-	88	-	246	67	36	-	-	-	130	60
N9-8	H. Brown	1,412	Dec. 1, 1938	-	-	-	-	-	-	321	-	347	85	340	-	1.0	954	156	82

Carrizo sand

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Well	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Micromhos at 25° C)	pH	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Dissolved solids	Total hardness as CaCO ₃	Percent sodium
N9-15	City of Big Wells	1,580	Mar. 1913	-	-	-	-	-	-	128	-	294	50	60	-	-	-	100	74
N9-20	do.	1,355	Dec. 9, 1937	-	-	-	-	-	-	232	-	361	91	85	.8	.70	567	10	98
N9-20	do.	1,355	Feb. 27, 1939	-	-	-	-	-	-	230	-	343	96	85	-	-	573	16	99
N9-20	do.	1,355	May 11, 1945	1,060	8.4	17	.42	4.3	1.6	228	8.6	361	90	85	1.6	.2	612	17	95
N9-25	C. W. Barker	1,300	Dec. 30, 1948	723	-	20	-	30	16	110	-	300	61	50	-	.0	442	141	63
N9-37	Frito Company	1,500	May 15, 1940	-	-	-	-	27	10	119	-	304	59	40	-	.0	405	108	70
N9-45	Federal Land Bank	-	Feb. 27, 1939	-	-	-	-	-	-	135	-	266	72	49	-	-	401	69	81
S1-18	J. C. Johnson	320	Mar. 18, 1930	-	-	38	.32	67	13	64	6.2	202	73	89	-	.05	456	221	40
S1-32	H. C. Umburn	-	Dec. 19, 1938	-	-	-	-	-	-	54	-	175	75	125	-	.15	451	231	34
S1-37	O. P. Leonard	-	Mar. 21, 1939	-	-	-	-	-	-	73	-	154	76	118	-	-	424	213	43
S2-1	F. Guerrero	510	-	-	-	-	-	-	-	312	-	268	168	272	-	-	-	100	87
S2-3	Stinnett & Oelkers	600	Nov. 21, 1938	-	-	-	-	-	-	164	-	281	111	80	-	.25	518	102	78
S2-4	B. Bounds	694	do.	-	-	-	-	-	-	148	-	282	90	72	.20	.3	478	105	75
S2-5	do.	634	do.	-	-	-	-	-	-	168	-	292	90	116	-	.25	555	132	73
S2-8	Eardley Estate	670	Nov. 22, 1938	-	-	-	-	-	-	133	-	302	60	49	-	.10	414	90	76
S2-18	J. Kinney	670	Dec. 7, 1938	-	-	-	-	-	-	275	-	290	172	190	-	.0	1,079	87	87
S2-24	-- Gay	667	Apr. 14, 1930	-	-	23	.08	26	7.3	152	6.4	281	84	86	-	.12	513	95	78
S2-24	do.	667	Dec. 23, 1948	967	-	21	-	28	13	170	-	270	107	113	-	.0	585	124	75
S2-25	Oscar Pollard	677	June 4, 1930	-	-	26	.26	350	207	1,607	23	321	1,609	2,348	-	3.0	6,396	1,724	67
S2-62	Central Power & Light Co.	640	Mar. 28, 1930	-	-	20	.08	53	14	172	6.8	246	198	123	-	.13	704	190	67
S2-62	do.	640	May 11, 1945	1,190	7.8	17	.34	60	15	158	20	242	200	122	.8	.0	716	211	59
S2-78	-- McClendon	1,000	Apr. 8, 1947	1,460	-	-	-	-	-	305	-	240	340	208	-	-	-	180	79
S2-83	G. Grisham	1,100	Mar. 1947	970	-	-	-	24	9.4	171	-	288	81	105	-	1.0	537	98	79
S2-86	D. J. Hill	1,021	May 23, 1930	-	-	23	.09	35	11	207	7.0	242	195	148	-	.21	742	133	78
S2-86	do.	1,021	Apr. 1943	-	-	-	-	72	37	726	-	280	558	780	-	-	2,311	332	83
S2-96	L. Hester Farm No. 1	1,081	June 25, 1945	-	-	-	-	17	9.9	136	-	299	50	57	-	.0	463	83	78
S2-103	M. W. Fardwell	512	Nov. 21, 1938	-	-	-	-	-	-	157	-	304	129	87	.4	.15	574	165	67
S2-110	E. F. Simpson	-	Mar. 28, 1939	-	-	-	-	-	-	268	-	238	195	261	-	-	889	183	76
S2-111	J. H. Long	-	May 17, 1940	-	-	-	-	28	11	286	-	248	225	212	-	-	884	115	84
S2-116	J. T. Stinnett	572	Jan. 4, 1949	829	-	16	-	29	14	136	-	282	92	70	-	.0	506	130	69
S2-133	J. W. Walthall	420	Nov. 21, 1938	-	-	-	-	-	-	120	-	287	108	74	.20	.2	509	192	58
S2-135	H. Rouw Co.	-	Jan. 4, 1949	975	-	26	-	57	15	141	-	292	127	96	-	.0	607	204	60

Boron (B) - Well S2-135, 0.82

Table 4.- Analyses of ground waters in the Winter Garden district, Texas--Continued

Well	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Microhmhos at 25° C)	pH	Carrizo sand													
						Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Dissolved solids	Total hardness as CaCO ₃	Percent sodium
S3-1	Wm. O'Brien	1,800	Dec. 7, 1938	-	-	-	-	-	-	271	-	378	111	165	-	0.0	734	68	90
S3-1	do.	1,800	Jan. 15, 1949	3,250	-	58	-	8.6	6.7	745	-	704	314	540	-	3.7	2,020	49	97
S3-4	-- Rasmussen et al.	1,776	Dec. 7, 1938	-	-	-	-	-	-	285	-	398	115	165	-	.0	757	58	91
S3-10	H.H. Coffield	1,419	Apr. 17, 1930	-	-	20	.04	9.5	4.2	195	4.8	205	102	116	-	.29	576	41	91
S3-22	Catarina Water Farms Supply Co.	1,140	May 11, 1945	2,090	7.9	18	.30	16	6.9	392	25	240	212	378	1.0	1.2	1,170	68	89
S5-5	Catarina Farms Co.	1,374	Mar. 19, 1930	-	-	46	.15	22	10	201	8.8	248	243	71	-	.32	720	96	82
S6-4	O. V. Ray	1,432	Apr. 17, 1930	-	-	14	.15	68	34	2,625	26	333	956	3,459	-	2.3	7,428	309	95
S6-8	R. W. Briggs	1,800	Dec. 12, 1948	1,120	-	53	-	5.5	2.6	245	-	282	131	133	-	2.0	711	24	96
T1-2	Jack Ward	-	Dec. 1914	-	-	-	-	-	-	129	-	272	63	32	-	-	-	53	84
T1-5	R. W. Wilson	1,710	Mar. 1913	-	-	-	-	-	-	-	-	280	67	42	-	-	-	-	-
T1-5	do.	1,710	Apr. 4, 1930	-	-	23	.54	11	5.8	153	4.6	282	72	60	-	.73	474	51	87
T1-6	Silverlake, Ranch	-	May 16, 1940	-	-	-	-	-	-	466	-	786	132	178	-	.50	1,125	20	98
T1-7	W. L. Moody	-	do.	-	-	-	-	310	11.4	1,575	-	178	1,964	1,755	-	-	5,806	1,242	73

Cook Mountain formation

N6-1	Norman Gates	48	Nov. 30, 1949	661	7.4	39	-	82	17	23	-	271	41	41	-	1.2	406	274	15
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Bigford member of Mount Selman formation

N1-28	A. R. Hibdon	222	Jan. 1913	-	-	-	-	-	-	-	-	387	32	20	-	-	-	167	56
N1-56	T. L. Pitts	230	Feb. 8, 1928	-	-	29	2.0	48	16	66	5.1	338	38	16	-	.05	376	186	45
N2-11	W. M. Clark	123	Feb. 9, 1928	-	-	35	.07	82	24	32	4.0	300	93	24	-	.15	446	303	20
N5-22	A. N. Box	1,000	June 28, 1919	-	-	38	.25	145	65	2,031	-	139	805	2,895	-	4.8	6,136	613	87
N7-137	G.A. Hero Estate	31	Mar. 1913	-	-	-	-	-	-	-	-	366	574	1,580	-	-	-	1,210	61
N8-24	H. P. Bailey	66	Apr. 7, 1930	-	-	14	1.8	69	53	1,438	22	372	806	1,713	-	2.9	4,264	390	89
N8-30	I. J. New	435	May 6, 1930	-	-	12	1.1	385	218	3,389	50	278	4,066	3,419	-	2.1	11,790	1,856	80
N9-42	Wallace Rogers	120	Mar. 1913	-	-	-	-	-	-	-	-	158	574	564	-	-	-	1,200	21
O7-6	Jim Standifer	140	Nov. 30, 1949	7,880	7.7	16	-	418	294	1,310	-	234	3,100	1,190	-	0	6,440	2,250	56
S6-7	Catarina Farms	60-70	May 16, 1940	-	-	-	-	32	15	1,826	-	384	680	2,190	-	-	4,932	142	97

Indio formation

Well	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Microhmhos at 25° C)	pH	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃) (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Dissolved solids	Total hardness as CaCO ₃	Percent sodium
H7-3	E. B. Flowers	100	May 20, 1930	-	-	-	3.1	140	47	203	-	483	185	0.60	1,126	543	45
H8-1	A. W. West	120	Apr. 9, 1930	-	-	12	15	401	265	431	25	666	642	1.1	3,742	2,089	32
M3-2	J.C. & C.B. Fenley	130	Jan. 1913	-	-	-	-	-	-	444	-	278	482	-	-	156	86
M9-3	Chittim Estate	200	Nov. 18, 1938	-	-	-	-	-	-	112	-	238	153	1.1	564	255	49
M9-16	Ed Gardner	-	July 18, 1949	5,030	7.95	18	-	158	61	964	-	330	460	.80	3,570	646	76
M9-17	do.	-	do.	1,080	7.80	26	-	36	15	187	-	456	75	.20	664	152	73
M9-18	do.	-	do.	4,640	7.55	22	-	180	71	800	-	404	660	.50	3,100	741	70
M9-19	Ben Patterson	200	do.	3,530	7.75	19	-	52	34	624	-	414	820	.0	1,880	270	83
M9-20	Ed Gardner	-	do.	1,590	8.15	28	-	132	41	40	-	434	172	1.2	972	498	40
M9-21	do.	-	-	1,320	7.9	36	-	52	29	197	-	474	86	3.2	832	249	63
N7-38	A. Webb	900	Nov. 21, 1938	-	-	-	-	-	-	262	-	162	139	.25	1,881	892	39
N7-70	C. M. Burns	530	Nov. 20, 1938	-	-	-	-	-	-	806	-	183	875	1.6	2,956	675	72
N7-182	Joe Gardner	247	July 18, 1949	1,680	7.70	34	-	184	41	115	-	310	220	.0	1,050	628	29
N7-183	do.	183	do.	1,350	7.90	54	-	69	22	170	-	236	246	9.5	816	262	58
N7-184	Ben Patterson Ranch House	200	do.	2,130	7.85	28	-	184	63	216	-	380	130	.80	1,470	718	40
R3-6	W. C. Ammann	475	May 20, 1930	-	-	33	.10	116	25	291	9.5	502	169	.12	1,277	392	62
R3-9	Hal A. Hamilton Ranch	50	Nov. 20, 1938	-	-	-	-	-	-	224	-	302	123	1.0	681	108	82

Table 4 .- Analyses of ground waters in the Winter Garden district, Texas--Continued

Leona formation

Well	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Microhmhos at 25° C)	pH	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Dissolved solids	Total hardness as CaCO ₃	Percent sodium
H8-63	School House	65	Dec. 24, 1948	706	-	12	-	118	18	-	9.7	384	11	45	-	0.0	433	368	5.4
N1-57	T. J. Dube	97	Feb. 9, 1928	-	-	27	.40	131	26	19	2.5	373	39	90	-	1.3	536	434	9.3
N2-28	I. I. Pryor, Jr.	70	Dec. 27, 1948	631	-	13	-	97	21	-	9.7	372	19	12	-	9.2	368	328	6.0
N3-4	E. W. King	45	Feb. 9, 1928	-	-	25	.06	125	18	30	2.9	364	90	33	-	7.3	520	386	15
N3-5	R. Willoughby	60	May 3, 1939	-	-	-	-	-	-	35	35	477	108	52	-	1.9	635	502	13
N3-6	do.	60	do.	-	-	-	-	-	-	35	35	428	159	62	-	6.2	687	532	13
N3-7	do.	60	do.	-	-	-	-	-	-	30	30	454	112	91	-	2.8	685	555	10
N3-8	do.	60	do.	-	-	-	-	-	-	41	41	432	141	67	-	5.0	672	510	15