

KENEDY COUNTY, TEXAS

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

TEXAS STATE BOARD OF WATER ENGINEERS

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Prepared in cooperation with the United States
Department of the Interior, Geological Survey

KENEDY COUNTY, TEXAS

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Introduction
by
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This release contains records of wells in Kenedy County, Texas, together with well logs and tables giving the results of well water analyses. It is illustrated by a map on which the wells listed are shown, each well being given a number on the map corresponding to the number assigned to it in the table. The records were obtained in the course of an investigation by the Texas Board of Water Engineers in cooperation with the United States Department of the Interior, Geological Survey. They were obtained during the spring of 1933 by Samuel F. Turner and James C. Cumley. Samples of water were obtained from most of the wells and tested in the field to determine approximately the hardness of the water and its chloride and sulphate contents, and samples from 25 wells were analyzed in the Water Resources laboratory of the United States Geological Survey at Washington. Altogether 263 wells located in all parts of Kenedy County are described in the tables. The list includes 215 wells from 600 to 1,400 feet deep and a considerable number of shallow wells, of which about 50 were located. Of the deep wells 195 were flowing and 20 were pumped with windmills.

The water is used mostly for stock. Relatively fresh water is obtained from shallow wells in sand-dune areas. In most places, however, the water encountered at shallow depths is salty. In the western part of the county the water from the deep wells is only moderately mineralized and is probably suitable for most uses. The salt content increases toward the Gulf, however, and along the coast the water, even from the deep wells, is almost too salty for stock. The flow of some of the wells is 100 to 150 gallons a minute or more. From measurements and estimates of the discharge of all the wells, including those that are pumped, it is computed that the total annual discharge of ground water in the county in 1933 amounted to about 4,000 gallons a minute, or about 6,500 to 7,000 acre-feet a year. At least half of this water is wasted. There has been a heavy decline in the artesian head throughout the county since 1900.

The records given in this release serve as a guide to land owners and others who need information regarding wells and pumping plants in different parts of the area, and the quantity and quality of water yielded by the wells.

The publication was mimeographed by employees of the Work Projects Administration project No. 10443.

Records of wells in Kenedy County, Texas

Well No.	Distance from Sarita	Owner	Driller	Date completed	Depth of well (ft.)	Water-bearing bed		
						Diameter of well (in.)	Depth to top of bed (ft.)	Thickness of bed (ft.)
1	11½ miles west	McGill Bros.	---	---	600±	5- 3/16	---	---
2	9 miles west	do.	--	1907	600±	6	---	---
3	8½ miles west	do.	---	Old	625±	5- 3/16	---	---
4	7½ miles west	do.	O. M. Boone	1927	655	8	---	---
e/ 5	4 miles west	do.	W. P. Gano	1909	670	5- 3/16	---	---
6	6 miles west southwest	do.	--	Old	640	6	---	---
e/ 7	12 miles west southwest	do.	Clete Stupes	1914	630	5- 3/16	---	---
8	12½ miles west southwest	do.	O. M. Boone	1927	740	5- 3/16	---	---
9	do.	do.	--	Old	680	5- 3/16	---	---
10	12½ miles southwest	do.	--	1908	--	4	---	---
11	10 miles west southwest	do.	O. M. Boone	1927	650	7	---	---
12	5½ miles southwest	do.	--	Old	670	7	---	---
13	4½ miles southwest	do.	--	Old	625	5- 3/16	---	---
14	5 miles south southwest	do.	--	Old	625±	5- 3/16	---	---
15	7½ miles south southwest	do.	O. M. Boone	1927	640	5- 3/16	---	---
16	5½ miles west	F. E. Crocker, Est.	-- Zimmerman	1910	678	5- 3/16	---	---
17	8½ miles southwest	M. L. Crocker	W. P. Gano	1910	700	5- 3/16	---	---

a/ W, windmill.

b/ S, stock; D, domestic; N, not used; R.R, railroad locomotives; I, irrigation.

c/ Hardness as calcium carbonate determined by the soap method.

d/ Sulphate test by turbidity method and may be as much as 25 percent in error.

e/ For analysis of water see table on pp. 55 and 56.

* Measured or estimated in March or April 1933.

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests parts per million			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			Chloride	Hardness c/	Sulphate d/	
1	--	April 14	Flow	S	120	75	140	Salto's well. Measured yield, 14.0 gallons a minute.* Temperature 84° F.
2	--	do.	Flow	S	130	130	80	Sugar well. Measured yield, 6.3 gallons a minute.* Temperature 84° F.
3	--	do.	Flow	S	140	110	150	Capitan well. Measured yield, 9.5 gallons a minute.* Temperature 83½° F.
4	--	do.	Flow	S	140	110	160	Soria well. Casing: 8-inch to 400 feet from surface, 5-3/16-inch to bottom. Measured yield, 3.8 gallons a minute.* Temperature 83½° F.
5	--	do.	Flow	S	160	140	160	Matanza well. Measured yield, 28.4 gallons a minute.* Temperature 84° F.
6	--	do.	Flow	S	130	110	170	Sacate well. Measured yield, 8.0 gallons a minute.* Temperature 84° F.
7	--	do.	Flow	S	110	110	60	Monte Negro well. Estimated yield, 5 gallons a minute.*
8	--	--	W	S	130	100	60	Encina Mocha well. Casing: 4½-inch from 640 feet to bottom.
9	--	April 14	Flow	S	110	85	60	Disputas Prairie well. Estimated yield, 5 gallons a minute.* Temperature 84° F.
10	--	do.	Flow	S	130	75	60	Brush well. Estimated yield, 2 gallons a minute.*
11	--	do.	Flow	S	110	110	60	Candilia well. Casing: 7-inch to 400 feet from surface, 5-3/16-inch to bottom. Measured yield, 6.2 gallons a minute.* Temperature 84° F.
12	--	--	W	D,S	260	140	240	Santa Rosa Twins. One well not used.
13	--	April 14	Flow	S	160	75	100	Little Santa Rosa well. Estimated yield, 2 gallons a minute.*
14	--	--	W Flow	S	170	65	160	Has small flow when windmill is shut off, temperature 83½° F.
15	--	April 14	Flow	S	200	110	120	Toro well. Estimated yield, 4 gallons a minute.*
16	--	--	W	D,S	150	110	160	Casing: 4½-inch and 3½-inch.
17	--	--	W	D,S	180	100	120	Small flow when completed.

/ Taylor, T. U., Underer and water of Coastal Plain of Texas U. S. Geol. Survey, Water-Supply Paper 100, 1907.

/ Flow estimated; water sample collected and temperature taken by David Donoghue, under the supervision of Alexander Darsen, formerly of the U. S. Geol. Survey.

/ Reported by driller.

Records of wells in Kenedy County -Continued

Well No.	Distance	Owner	Driller	Date completed	Depth of well (ft.)	Water-bearing bed		
						Diameter of well (in.)	Depth to top of bed (ft.)	Thickness of bed (ft.)
18	11 miles southwest	D. J. Sullivan	--	--	--	4	--	--
19	12 $\frac{1}{2}$ miles southwest	do.	-- Brown	--	725+	--	--	--
20	14 miles southwest	do.	Perry Downs	--	750	--	--	--
21	2 $\frac{1}{2}$ miles north	Ed. Turcotte	--	--	29	60	--	--
22	1 $\frac{1}{2}$ miles north northwest	Arthur East	--	--	--	6- 3/4	--	--
23	1 $\frac{1}{2}$ miles north	do.	--	--	--	5- 3/16	--	--
24	1 mile north-west	do.	--	--	--	7	--	--
e/ 25	3/4 mile north	Andres Turcotte	Gano Bros.	1904	708	24	--	--
26	1/2 mile north	Arthur East	--	--	--	8	--	--
27	Sarita	Kenedy Pasture Co.	Chester Downs	1930	685	5- 3/16	650	28
28	1/2 mile east	Arthur East	--	--	--	7	--	--
e/ 29	Sarita	Mo. Pac. R. R.	W. P. Gano	Old	803	5- 3/16	--	--
30	1 mile south-east	Mary Patterson	--	--	--	8	--	--
31	1 mile west	Kenedy Pasture Co.	--	Old	--	6- 3/4	--	--
32	2 miles southwest	do.	--	Old	--	6- 3/4	--	--
33	4 miles south southwest	do.	--	Old	--	5- 3/16	--	--
34	3 $\frac{1}{2}$ miles south southeast	do.	Ed. Turcotte	Old	710	5- 3/16	--	--
e/ 35	6 miles south	do.	--	--	--	--	--	--
36	6 $\frac{1}{2}$ miles south	do.	--	--	50	5- 3/16	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift	Use of water	Field tests			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			Chloride	Hardness	Sulfate	
			a/	b/	parts per million	c/	d/	
18	2.4	March 23	W	S	170	170	--	On Mariposa ranch, known as Ganodo well. Temperature 83°
19	--	do.	Flow	S	190	70	--	On Mariposa ranch, known as Disputas well. Measured yield, 25 gallons a minute.*
20	--	do.	Flow	S	160	80	--	On Mariposa ranch, known as Mariposa ranch, known as
21	18.0	April 1	W	S	1,500	750	--	Jug wells, Sierpe well. Known as Salado Twins. Tem-
22	--	do.	Flow	S	210	110	--	perature 74° F. Known as Patrero Norte well. Measured
23	--	do.	Flow	D,S	180	130	--	yield, 3.6 gallons a minute.* Known as Jardin well. Estimated
24	--	do.	Flow	D,S	320	150	300	yield, 1.0 gallons a minute.* Estimated yield, 1 gallon a
25	3.5	do.	W	D,S	180	130	--	minute.* Reported flow, (Mar. 1913), 5
26	7.5	do.	W	D,S	370	157	--	gallons a minute. Temperature 84° F. Formerly used
27	--	do.	Flow	D,S	180	100	--	for irrigation. g/ Sarita town supply and cotton
28	16.2	do.	W	D,S	180	110	--	gin well. Estimated yield, 1 gallon a minute.*
29	--	do.	Flow	R.R.D	290	130	--	Reported flow (prior to 1907, 350 gallons a minute f/.
30	5.4	do.	W	D,S	370	130	--	Estimated yield, 5 gallons a minute.* Reported flow, (Mar. 1913), 75 gallons a
31	--	March 31	Flow	S	190	110	--	minute, temperature 87° F. g/ Sarita Vieja well. Measured
32	--	April 1	Flow	S	210	110	150	yield, 5.9 gallons a minute.* Palomas well. Measured yield, 32
33	--	do.	Flow	S	320	100	150	gallons a minute.* Temperature Medano well. Measured yield, 4.3 gallons a
34	--	do.	Flow	S	200	120	100	minute.* Temperature 86° F. Reported flow (prior to 1907)
35	--	do.	Flow	S	250	60	100	1,000 gallons a minute f/. Measured yield, 14 gallons a
36	30	do.	W	S	490	1,200	900	minute * Temperature 86° F. Prieta well. Paistie well Measured yield, 8.8 gallons
								a minute.* Temperature 85° F. Mifflin windmill well. Tem-
								perature 75° F.

Records of wells in Kenedy County -Continued

Well No.	Distance from Sarita	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
37	11 miles southwest	Kenedy Pasture Co.	O. F. Boone	1927	932	4-1/4	830	100
38	9 miles southwest	do.	Wm. Turcotte	Old	700	5-3/16	--	--
39	11 miles south southwest	do.	do.	Old	747	5-3/16	--	--
40	8 1/2 miles south	do.	O. M. Boone	1927	929	4-1/4	845	80
41	11 miles south	do.	P. Christensen	--	1,110	5-3/16	1,090	20
42	do.	do.	--	--	80 ±	5-3/16	--	--
43	14 miles southwest	do.	Wm. Turcotte	Old	617	5-3/16	--	--
44	16 miles south southwest	do.	Chester Downs	1930	885	5-3/16	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			parts Chloride	per million Hardness c/	Sulphate d/	
37	--	April 3	Flow	S	500	180	300	Tresquillas well. Casing: 61 feet of 6-5/8-inch, 819 feet of 4 ¹ / ₂ -inch, 163 feet of 3 ¹ / ₂ -inch with 50-foot lap and 40 feet perforated. Double cased from surface to 61 feet. Estimated yield, 6 John Allen [gallons a minute*.
38	--	do.	Flow	S	160	70	80	well, also known as Barrosas well. Reported flow (prior to 1907) 500 gallons a minute f/. Measured yield, 8.6 gallons a minute.* Temperature
39	--	do.	Flow	S	270	100	250	Esperanza well. [85° F. Reported flow (prior to 1907) 600 gallons a minute f/. Measured yield, 6.7 gallons a minute.* Temperature 85° F.
40	--	do.	Flow	S	220	60	200	Rana well. Casing: 50 feet of 6-5/8-inch, 925 feet of 4 ¹ / ₂ -inch with 45 feet perforated casing at bottom. Double cased from surface to 50 feet. Measured yield, 21 gallons a minute.* Temperature
41	--	--	W	S	440	240	800	Carmen Loba [temperature 88° F. well. Casing: 580 feet of 5-3/16-inch and 780 feet of 4 ¹ / ₂ -inch with 35 feet perforated at bottom. Formerly
42	--	--	W	S	140	340	150	Bland well. [had a flow. Temperature 76° F.
43	--	April 3	Flow	S	220	80	200	Sierpe well. Reported flow (prior to 1907) 315 gallons a minute f/. Measured yield, 3.8 gallons a minute.* Tem-
44	--	do.	Flow	S	260	70	300	Tinajas [perature 84° F. well. Casing: 65 feet of 8-inch, 667 feet of 5-3/16-inch, 182 feet of 4 ¹ / ₂ -inch, and 140 feet of 3 ¹ / ₂ -inch. Double cased from surface to 65 feet. Had small flow at 885 feet, shot at 839 feet and larger flow obtained. Measured yield, 2.8 gallons a minute.* Temperature 85° F.

Records of wells in Kenedy County -Continued

Well No.	Distance from Sarita	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
45	18 miles south southwest	Kenedy Pasture Co.	O. M. Boone	1927	834	4-1/4	735	90
46	15 miles south southwest	do.	Wm. Turcotte	Old	652	10	--	--
47	17 miles south southwest	do.	O. M. Boone	1927	854	4-1/4	790	60
48	12 1/2 miles south southwest	do.	-- Oil Company	Old	860	5-3/16	700	20
49	13 miles south	do.	Gufley & Calby	Old	720	5-3/16	--	--
50	15 miles south	do.	Wm. Turcotte	Old	660	7	--	--
51	14 1/2 miles south	do.	Chester Downs	1930	852	5-3/16	--	--
52	17 miles south southwest	do.	--	--	60	5-3/16	--	--
53	17 miles south	do.	O. M. Boone	1927	887	4-1/4	795	--
54	12 miles south	do.	--	--	60	5-3/16	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			Chloride	Hardness c/	Sulfate d/	
45	--	April 3	Flow	S	250	45	200	Rita well. Casing: 60 feet of 6-5/8-inch and 834 feet of 4 1/2-inch, 43 feet perforated at bottom. Double cased from surface to 60 feet. Measured yield, 6.7 gallons a minute.* Temperature 84° F.
46	---	do.	Flow	S	260	80	250	Zaragates well. Reported flow (prior to 1907) 450 gallons a minute f/. Measured yield, 10 gallons a minute.*
47	--	do.	Flow	S	350	55	400	Encinitos well. Casing: 60 feet of 6-5/8-inch, 854 feet of 4 1/2-inch with 40 feet perforated at bottom. Double cased from surface to 60 feet. Measured yield, 12 gallons a minute.* Temperature 85° F.
48	--	--	W	S	370	60	600	Atravesada well, 4 miles northwest of Turcotte. Temperature 87° F.
49	--	April 3	W	S	300	40	600	Atravesada well. Reported flow (prior to 1907) 500 gallons a minute f/. Measured yield, 24 gallons a minute.* Temperature 85 1/2° F.
50	--	do.	Flow W	S	250	65	400	Mujeres well. Reported flow (prior to 1907) 400 gallons a minute f/. Measured yield, 16 gallons a minute.* Temperature 85 1/2° F.
51	--	do.	Flow W	S	240	35	400	Pens Mujeres well. Casing: 494 feet of 5-3/16-inch, 380 feet of 4 1/2-inch and 40 feet of 4 1/2-inch strainer with 22-foot lap. Measured yield, 22 gallons a minute.* Temperature 85 1/2° F.
52	---	--	W	S	530	360	150	Tecolotes well. Temperature 73° F.
53	--	April 3	Flow	S	270	240	300	Tio Adolfo well. Casing: 60 feet of 6-5/8-inch and 850 feet of 4 1/2-inch with 2 joints perforated. Double cased from surface to 60 feet. Measured yield, 25 gallons a minute.* Temperature 87° F.
54	11.8	April 4	W	S	850	480	300	Yoscosas well, 2 1/2 miles northwest of Turcotte. Temperature 75° F.

Records of wells in Kenedy County -Continued

Well No.	Distance from Sarita	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
55	14 $\frac{1}{2}$ miles south	Kenedy Pasture Co.	O. M. Boone	1927	850	5- 3/16	782	56
56	16 miles south	do.	do.	1927	798	4- 1/4	740	55
57	16 $\frac{1}{2}$ miles south	do.	--	--	--	5- 3/16	--	--
58	9 miles south	do.	--	--	740	--	--	--
59	do.	do.	Wm. Turcotte	Old	751	--	--	--
60	10 $\frac{1}{2}$ miles south	do.	do.	1926	870	5- 3/16	825	35
61	12 miles south	do.	--	--	27	5- 3/16	--	--
62	12 $\frac{1}{2}$ miles south	do.	--	--	13	72	--	--
63	13 miles south	do.	--	--	29	5- 3/16	--	--
e/ 64	14 $\frac{1}{2}$ miles south	do.	Wm. Turcotte	Old	787	6- 5/8	--	--

All wells are drilled unless otherwise stated in remarks.

No.	Water level		Method of lift a/	Use of water b/	Field tests			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			parts per million			
					Chloride	Hardness c/	Sulphate d/	
55	--	April 3	Flow	S	320	55	500	Yescosas well. Casing: 40 feet of 6-inch, 585 feet of 5-3/16-inch and 284 feet of 4 1/2-inch with 27-foot lap, 37 feet perforated, and 8 feet uncased hole. Double cased from surface to 40 feet. Measured yield, 14 gallons a minute.* Temperature 85° F.
56	--	April 4	Flow	S	290	20	200	Mestona well. Casing: 62 feet of 5-3/16-inch, 760 feet of 4 1/2-inch, 60 feet of 3 1/4-inch with 22-foot lap and 36 feet perforated. Double cased from surface to 62 feet. Measured yield, 6.0 gallons a minute.* Temperature 85 1/2° F.
57	7.3	do.	W	S	--	--	--	Mestona well. Windmill broken, could not obtain
58	--	April 3	Flow	D,S	230	70	200	Hifflin well. water sample. Reported flow (prior to 1907) 450 gallons a minute f/. Now flows through 1/2-inch pipe. Measured yield, 8.6 gallons a minute.* Temperature 85° F.
59	--	April 6	Flow	S	400	120	150	Corte Saate well. Reported flow (prior to 1907) 400 gallons a minute f/. Measured yield, 6.4 gallons a minute.* Temperature 84° F.
60	--	do.	Flow	S	290	120	200	Fernandez well. Casing: 755 feet of 5-3/16-inch and 128 feet of 4 1/2-inch with 75-foot lap. Measured yield, 9.3 gallons a minute.* Temperature 85° F.
61	11.1	April 4	W	S	550	420	200	Mirionda well, 2 1/2 miles northeast of Turcotte.
62	5.0	do.	W	S	550	550	250	Jabonillos well. Dug well, 6 feet square. Temperature
63	15.0	do.	W	S	2,100	1,500	1,000	Mesquite well. Sup- plies canals and dipping vats. Temperature 74° F. Temperature 73° F.
64	--	do.	Flow	S	h/270	50	250	Turcotte well. Casing: 425 feet of 6-5/8-inch, 247 feet of 5-3/16-inch and 258 feet of 4 1/2-inch. Reported flow (prior to 1907) 800 gallons a minute g/. Reported flow (Mar. 1913) 100 gallons a minute. Temperature 87° F. Measured yield, 3.7 gallons a minute.* Temperature 85° F.

Records of wells in Kenedy County -Continued

Well No.	Distance from Sarita	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
65	15½ miles south	Kenedy Pasture Co.	Wm. Turcotte	1927	868	4-1/4	794	70
66	16½ miles south	do.	--	--	--	4-1/4	--	--
67	4½ miles northeast	do.	--	--	--	--	--	--
68	5 miles east northeast	do.	--	--	--	5-3/16	--	--
69	7 miles east northeast	do.	Wm. Turcotte	Old	920	5-3/16	--	--
70	9 miles east northeast	do.	do.	Old	--	--	--	--
e/ 71	6 miles east	do.	do.	Old	737	--	--	--
72	7 miles east	do.	do.	Old	890	5-3/16	--	--
e/ 73	7 miles east	do.	do.	Old	825	4-1/4	--	--
74	7½ miles east	do.	P. Christensen	1930	840	5-3/16	745	87
75	8½ miles east	do.	Wm. Turcotte	Old	862	--	--	--
76	8 miles east southeast	do.	do.	Old	862	4-1/4	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			parts per million	Chloride	Hardness	
					c/	d/		
35	--	April 4	Flow	S	330	55	200	Potrillo well. Casing: 230 feet of 5-3/16-inch and 868 feet of 4 1/2-inch. Measured yield, 22 gallons a minute.*
66	--	do.	Flow	S	330	50	200	Potrillo Viejo well, 3 1/2 miles south-east of Turcotte. Measured yield, 10 gallons a minute.* Temperature 87° F.
67	--	April 1	Flow	S	230	130	250	Chalio well. Measured yield, 18 gallons a minute.* Temperature 86° F.
68	--	do.	Flow	S	290	100	300	Labores well. Measured yield, 9.0 gallons a minute.* Temperature 85 1/2° F.
69	--	April 8	Flow	S	800	270	500	Urebia well. Reported flow (prior to 1907) 350 gallons a minute f/. Measured yield, 30 gallons a minute.* Temperature 88° F.
70	--	April 7	Flow	S	480	140	250	Loma Prieta well. Measured yield, 58 gallons a minute.* Temperature 88° F.
71	--	April 1	Flow	S	250	110	200	Cobas or Tunas well. Reported flow (Mar. 1913) 50 gallons a minute. Temperature 86° g/. Reported flow (prior to 1907) 60 gallons a minute f/. Measured yield, 7.5 gallons a minute.*
72	--	--	Flow	D,S,I	290	110	400	La Parra well. Reported flow (prior to 1907) 600 gallons a minute. Now flows into sunken storage tank from which water is pumped to elevated tank by 30 h.p. fuel oil engine. Temperature 85° F.
73	--	--	W	D,S,I	310	170	400	La Parra well. Reported flow (prior to 1907) 150 gallons a minute f/. Temperature 84° F. g/.
74	--	--	W	D,S,I	330	170	200	La Parra well. Casing: 496 feet of 5-3/16-inch, 374 feet of 4 1/2-inch with 70-foot lap and 32 feet of uncased hole.
75	--	April 8	Flow	S	370	170	400	Miralejos well. Reported flow (prior to 1907) 115 gallons a minute f/. Measured yield, 7.5 gallons a minute.* Temperature 85° F.
76	--	do.	Flow	S	320	200	400	Bordas well. Reported flow (prior to 1907) 160 gallons a minute f/. Measured yield, 23 gallons a minute.* Temperature 87° F.

Records of wells in Kenedy County -Continued

Well No.	Distance from Sarita	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
77	6 miles southeast	Kenedy Pasture Co.	--	Old	--	5- 3/16	--	--
78	7 miles southeast	do.	--	1931	--	5- 3/16	--	--
79	9 miles southeast	do.	Wm. Turcotte	Old	814	5- 3/16	--	--
80	10 miles southeast	do.	P. Christensen	--	860	5- 3/16	--	--
81	11 miles southeast	do.	N. G. Allen	--	865	5- 3/16	--	--
82	12 miles southeast	do.	Chester Downs	1931	1,067	5- 3/16	1,047	20+
83	do.	do.	Wm. Turcotte	Old	892	4- 1/4	--	--
84	11 miles south southeast	do.	Boone Bros.	1926	1,089	5- 3/16	1,015	74
85	11½ miles southeast	do.	Wm. Turcotte	Old	860	5- 3/16	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/ b/	Use of water b/	Field tests			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			Chloride	Hardness	Sulfate	
					parts per million			
					ride	ness	phate	
						c/	d/	
77	--	April 1	Flow	S	260	110	200	Atravesda well. Measured yield, 39 gallons a minute*.
78	--	April 8	Flow	S	300	95	150	G. A. Riskin well. Measured yield, 165 gallons a minute*.
79	--	April 6	Flow	S	360	85	200	Mota Redonda well. Reported flow (prior to 1907) 200 gallons a minute f/. Measured yield, 3.2 gallons a minute*.
80	--	do.	Flow	S	340	85	300	Pete well. Casing: 35 feet of 8-inch, 233 feet of 5-3/16-inch, 258 feet of 4 1/2-inch with 33-inch lap and 41 inches screened. Double cased from surface to 35 inches. Measured yield, 36 gallons a minute*.
81	--	April 8	Flow	S	375	95	200	Padre Alejos well. Reported flow (prior to 1907) 450 gallons a minute f/. Measured yield, 53 gallons a minute*.
82	--	do.	Flow	S	430	180	150	Rosita well. Casing: 800 feet of 5-3/16-inch, 232 feet of 4 1/2-inch and 20 feet of 4 1/4-inch strainer. Reported flow, 60 gallons a minute when completed. Measured yield, 20 gallons a minute*.
83	--	April 6	Flow	S	440	80	200	Tic Colas well. Reported flow (prior to 1907) 250 gallons a minute f/. Has 5-3/16-inch and 4 1/2-inch casing at surface. Measured yield, 3.8 gallons a minute*.
84	--	do.	Flow	S	310	75	400	Padre Juanito well. Casing: 41 feet of 6 1/2-inch, 776 feet of 5-3/16-inch, 171 feet of 4 1/4-inch with 12-foot lap, 230 feet of 3 1/2-inch with 21 feet perforated. Double cased from surface to 41 feet. Measured yield, 16 gallons a minute*.
85	--	do.	Flow	S	430	70	200	Tio Martin well. Reported flow (prior to 1907) 350 gallons a minute f/. Measured yield, 15 gallons a minute*.

Records of wells in Kenedy County -Continued

Well no.	Distance from Sarita	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
86	14 miles southeast	Kenedy Pasture Co.	Chester Downs	1930	1,055	5- 3/16	1,020	35+
87	15 miles southeast	do.	Wm. Turcotte	Old	951	5- 3/16	--	--
88	14½ miles southeast	do.	--	--	26	5- 3/16	--	--
89	14½ miles south southeast	do.	--	--	--	5- 3/16	--	--
90	16 miles south southeast	do.	--	Old	--	5- 3/16	--	--
91	18 miles south southeast	do.	Wm. Turcotte	Old	950	5- 3/16	--	--
92	18 miles southeast	do.	--	--	--	--	--	--
93	20 miles southeast	do.	--	--	20	5- 3/16	--	--
94	20 miles south southeast	do.	--	--	36	4- 1/4	--	--
95	20½ miles south southeast	do.	--	--	40	8	--	--
96	21½ miles south southeast	do.	O. M. Boone	1926	1,163	5- 3/16	1,100	60
97	21 miles southeast	do.	--	--	40	5- 3/16	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/	Use of water b/	Field Tests			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			Calc-ride	Hard-ness c/	Sul-phate d/	
86	--	April 6	Flow	S	480	60	300	Marcello well. Casing: 43 feet of 6-5/8-inch, 557 feet of 5-3/16-inch, 396 feet of 4 1/4-inch with 58-foot lap, and 165 feet of 3 1/2-inch casing with 50-foot lap. Double cased from surface to 43 feet. Measured yield, 14 gallons a minute*. Temperature 87 1/2° F.
87	--	April 5	Flow	S	370	50	200	Telefono well. Reported flow (prior to 1907) 350 gallons a minute f/. Measured yield, 26 gallons a minute*. Temperature 88° F.
88	24	do.	W	S	300	500	100	Marana Vat well, 8 1/2 miles east-northeast of Turcotte. Temperature 75° F.
89	--	do.	Flow	S	300	30	200	Marana well, 7 miles east of Turcotte. Measured yield, 29 gallons a minute*. Temperature 88° F.
90	--	do.	Flow	S	400	65	200	Soria well. Measured yield, 9.3 gallons a minute*. Temperature 88° F.
91	--	do.	Flow	S	400	75	300	Piedra well. Reported flow (prior to 1907) 350 gallons a minute f/. Well covered by sand dune but is piped to one side. Measured yield, 15 gallons a minute*.
92	--	April 6	Flow	S	310	100	300	Agua Dulce well, 5 1/2 miles east of Turcotte. Measured yield, 28 gallons a minute*.
93	6.7	April 5	W	S	400	430	200	San Pedro well, 9 miles east-northeast of Armstrong. Temperature 88 1/2° F.
94	15.0	April 4	W	S	120	320	100	Huisache well, 5 miles east of Armstrong. Temperature 73° F.
95	15.0	do.	W	S	150	500	50	Rodeo well, 6 miles east of Armstrong. Temperature 73° F.
96	--	do.	Flow	S	350	85	400	Nido well. Casing: 680 feet of 5-3/16-inch, 402 feet of 4 1/4-inch, with 17-foot lap, and 153 feet of 3 1/2-inch with 65-foot lap. Measured yield, 26 gallons a minute*. Temperature 73° F.
97	14.8	April 5	W	S	260	380	200	San Antonio well, 8 1/2 miles east of Armstrong. Temperature 74° F.

- 3 -
Records of wells in Kenedy County -Continued

Well No.	Distance from Sarita	Owner	Driller	Date completed	Depth of well (ft.)	Water-bearing bed		
						Diameter of well (in.)	Depth to top of bed (ft.)	Thickness of bed (ft.)
98	22 miles southeast	Kenedy Pasture Co.	Chester Downs	1931	1,130	5- 3/16	1,105	25+
99	22½ miles southeast	do.	--	--	20	5- 3/16	--	--
100	23½ miles southeast	do.	--	--	--	5- 3/16	--	--
101	12½ miles east	do.	Wm. Turcotte	Old	917	4- 1/4	--	--
102	11 miles east southeast	do.	--	--	--	--	--	--
103	14 miles east southeast	do.	Wm. Turcotte	Old	1,019	4- 1/4	--	--
104	13 miles southeast	do.	Chester Downs	1931	1,093	5- 3/16	1,070	23+
105	15½ miles southeast	do.	W. P. Gano	Old	1,035	--	--	--
106	16 miles southeast	do.	Wm. Turcotte	Old	1,025	5- 3/16	--	--
107	18 miles southeast	do.	W. P. Gano	Old	1,123	5- 3/16	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			parts per million	Chloride	Hardness c/	
98	--	April 5	Flow	S	490	70	500	Santa Cruz well. Casing: 63 feet of 8-inch, 825 feet of 5-3/16-inch, 325 feet of 4 1/4-inch casing with 25-foot lap. Reported flow 60 gallons a minute. Double cased from surface to 63 feet when completed. Measured yield, 21 gallons a minute* Temperature 30 1/2° F.
99	8.0	do.	W	S	310	420	200	Tia Coca well, 10 miles east of Armstrong.
100	--	do.	Flow	S	430	50	500	Barreta well, 10 1/2 miles east of Armstrong. Measured yield, 45 gallons a minute*.
101	--	April 8	Flow	S	600	440	500	Pasadizo well. Reported flow (prior to 1907) 200 gallons a minute f/. Measured yield, 30 gallons a minute*. Temperature 90° F.
102	--	do.	Flow	S	410	70	200	Tecolote well, 4 miles southeast of La Parra. Measured yield, 26 gallons a minute*. Temperature 88 1/2° F.
103	--	April 6	Flow	S	470	60	500	Diablo well. Reported flow (prior to 1907) 500 gallons a minute f/. Measured yield, 43 gallons a minute*. Temperature 89 1/2° F.
104	--	April 8	Flow	S	420	75	250	Johnny well. Casing: 58 feet of 8-inch, 845 feet of 5-3/16-inch, 143 feet of 4 1/4-inch with 15-foot lap and 140 feet of 3 1/2-inch with 25-foot lap. Double cased from surface to 58 feet. Measured yield, 53 gallons a minute*. Temperature 88 1/2° F.
105	--	do.	Flow	S	460	60	200	Palmito well. Reported flow (prior to 1907) 600 gallons a minute f/. Measured yield, 8.6 gallons a minute*.
106	--	April 6	Flow	S	1,000	340	300	Toro well. Reported flow (prior to 1907) 350 gallons a minute f/. Measured yield, 11 gallons a minute*.
107	--	do.	Flow	S	700	75	200	Ramirez well. Reported flow (prior to 1907) 450 gallons a minute f/. Measured yield, 29 gallons a minute*. Temperature 86° F.

Records of wells in Kennedy County -Continued

Well No.	Distance from Sarita	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
108	19 miles southeast	Kenedy Pasture Co.	P. Christensen	1931	1,375	5-3/16	1,315	60
109	15 $\frac{1}{2}$ miles southeast	do.	Chester Downs	1931	870	5-3/16	840	30+
110	16 miles southeast	do.	--	--	48	5-3/16	--	--
111	17 $\frac{1}{2}$ miles southeast	do.	--	--	26	7	--	--
112	20 miles southeast	do.	Wm. Turcotte	Old	1,000	--	--	--
113	22 miles southeast	do.	--	--	--	5-3/16	--	--
114	21 miles southeast	do.	--	--	20	5-3/16	--	--
115	do.	do.	Wm. Turcotte	Old	1,147	5-3/16	--	--
116	22 miles southeast	do.	--	--	--	5-3/16	--	--
117	25 miles southeast	do.	--	--	--	5-3/16	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			parts per million	Chloride	Hardness	
					c/	d/		
108	--	April 6	Flow	S	830	75	600	Santa Elena well. Casing: 585 feet of 5-3/16-inch, 535 feet of 4 1/2-inch with 35-foot lap, and 340 feet of 3 1/2-inch with 50-foot lap. Measured yield, 60 gallons a minute*.
109	--	April 5	Flow	S	1,100	290	800	Los Indios well. Casing: 103 feet of 8-inch, 682 feet of 5-3/16-inch and 205 feet of 4 1/2-inch with 17-foot lap. Double used from surface to 103 feet. 20 gallons a minute estimated production when completed. Measured yield, 8.0 gallons a minute*.
110	18.5	do.	W	D,S	470	700	100	Los Indios Ranch well. Temperature 85° F.
111	19.0	do.	W	S	410	500	100	Nopal well, 1 1/2 miles southeast of Los Indios Ranch. Temperature 76° F.
112	--	do.	Flow	S	800	350	1,000	San Juan well. Reported flow (prior to 1907) 250 gallons a minute f/. Measured yield, 16 gallons a minute.* Temperature 87° F.
113	--	do.	Flow	S	500	85	200	Escribano well, 6 1/2 miles southeast of Los Indios Ranch. Measured yield, 65 gallons a minute.* Temperature 73° F.
114	7.0	do.	W	S	5,000	2,800	1,000	Tule well, 4 1/2 miles northeast of San Pedro Ranch. Temperature 90° F.
115	--	do.	Flow	S	320	30	250	Mollote well. Reported flow (prior to 1907) 700 gallons a minute f/. Measured yield, 100 gallons a minute.* Temperature 72° F.
116	--	do.	Flow	S	380	70	250	Magueyal well, 6 miles east-northeast of San Pedro Ranch. Measured yield, 80 gallons a minute.* Temperature 91° F.
117	--	do.	Flow	S	350	35	200	Maria Stella well, 14 miles east of Armstrong. Measured yield, 110 gallons a minute.* Temperature 90° F.

Records of wells in Kenedy County -Continued

Well No.	Distance	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
118	25 miles south southeast	Kenedy Pasture Co.	O. M. Boone	1926	1,239	5- 3/16	1,170	35
119	26 miles south southeast	do.	Chester Downs	1931	1,140	5- 3/16	1,105	35
120	do.	do.	--	--	30	5- 3/16	--	--
e/121	27 $\frac{1}{2}$ miles south southeast	do.	--	--	--	--	--	--
122	26 miles southeast	do.	--	--	28	5- 3/16	--	--
123	26 $\frac{1}{2}$ miles southeast	do.	--	--	--	--	--	--
124	28 miles southeast	do.	Chester Downs	1931	1,278	5- 3/16	1,255	23+
125	30 miles southeast	do.	do.	1931	1,208	5- 3/16	1,191	17+
126	31 miles southeast	do.	--	--	23	5- 3/16	--	--
127	do.	do.	O. M. Boone	1927	1,402	4- 1/4	--	--
128	15 $\frac{1}{2}$ miles east	do.	--	--	--	5- 3/16	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests parts per million			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			Chloride	Hardness c/	Sulfate d/	
118	--	April 4	Flow	S	500	430	1,000	San Francisco well. Casing: 41 feet of 6-inch, 888 feet of 5-3/16-inch. Double cased from surface to 41 feet, 367 feet of 4 1/2-inch with 38-foot lap. 35 to 40 gallons a minute of estimated production when completed. Measured yield, 4.3 gallons a minute* Temperature 87° F.
119	--	do.	Flow	S	400	65	800	Salvador well. Casing: 60 feet of 8-inch, 803 feet of 5-3/16-inch, 360 feet of 4 1/2-inch with 26-foot lap. Double cased from surface to 60 feet. Measured yield, 95 gallons a minute* Temperature 92° F.
120	13.5	do.	W	S	2,300	2,300	400	Borregos well, 10 1/2 miles southeast of Armstrong. Temperature 72° F.
121	--	do.	Flow	S	500	340	1,200	Soledad well, 11 1/2 miles southeast of Armstrong. Measured yield, 7.3 gallons a minute* Temperature 38° F.
122	27	do.	W	S	800	1,000	100	Los Tajos well. Very small supply.
123	--	do.	Flow	S	470	55	500	Los Tajos well, 13 miles east-southeast of Armstrong. Measured yield, 140 gallons a minute*
124	--	do.	Flow	S	500	130	1,200	Arujas well. Has both 5-3/16-inch and 8-inch casing at surface. Measured yield, 22 gallons a minute.*
125	--	do.	Flow	S	500	90	500	Encina de la Cruz well. Casing: 64 feet of 8-inch, 370 feet of 5-3/16-inch, 358 feet of 4 1/2-inch, including 28 feet of 4 1/2-inch strainer. Double cased from surface to 64 feet, 40 gallons a minute estimated flow when completed. Measured yield, 24 gallons a minute* Temperature 91° F.
126	12.0	do.	W	S	2,900	3,300	300	Candilia well, 16 miles southeast of Armstrong. Temperature 73° F.
127	--	--	--	N	--	--	--	Rincon well. Small initial flow ceased entirely and well was closed.
128	--	April 7	Flow	S	750	160	500	Santiago well. Has both 5-3/16-inch and 7-inch casing at surface. Measured yield, 56 gallons a minute* Temperature 88 1/2° F.

Records of wells in Kenedy County -Continued

Well No.	Distance from Sarita	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
129	16 miles east	Kenedy Pasture Co.	Wm. Turcotte	Old	1,080	5- 3/16	--	--
130	17 miles east	do.	White Bros.	--	--	4- 1/4	--	--
131	18 $\frac{1}{2}$ miles east	do.	do.	Old	1,175	5- 3/16	--	--
132	20 miles east	do.	--	--	--	6- 1/4	--	--
133	20 $\frac{1}{2}$ miles east	do.	Tom Leary	Old	1,403	5- 3/16	--	--
134	21 miles east	do.	Wm. Turcotte	Old	1,155	2- 1/2	--	--
e/135	do.	do.	Tom Leary	Old	1,360	5- 3/16	--	--
136	do.	do.	--	--	--	--	--	--
137	16 $\frac{1}{2}$ miles east southeast	do.	Wm. Turcotte	Old	1,130	--	--	--
138	17 miles east southeast	do.	P. Christensen	1931	1,385	5- 3/16	1,375	10+
139	18 $\frac{1}{2}$ miles east southeast	do.	W. P. Gano	Old	1,234	5- 3/16	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests parts per million			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			Chloride	Hardness c/	Sulphate d/	
129	--	April 7	Flow	S	650	260	600	Mota Negra well. Reported flow (prior to 1907) 250 gallons a minute f/. Measured yield, 12 gallons a minute.*
130	--	April 6	Flow	S	470	70	250	Huero well. Temperature 88° F. Has both 4 1/4-inch and 5-3/16-inch casing at surface. Measured yield, 28 gallons a minute.* Temperature 90 1/2° F.
131	--	April 7	Flow	S	1,000	700	750	Caso well. Reported flow (prior to 1907) 500 gallons a minute f/. Measured yield, 24 gallons a minute.*
132	--	do.	Flow	S	950	140	500	Maria Petra well. Measured yield, 44 gallons a minute.* Temperature 89 1/2° F.
133	--	do.	Flow	S	700	70	400	Picacho Nuevo well. Measured yield, 64 gallons a minute.* Temperature 91 1/2° F.
134	--	do.	Flow	S	2,800	2,900	4,000	Picacho Viejo well. Formerly 7-inch casing but several casings have been inserted trying to stop shallow contamination. Measured yield, 7.3 gallons a minute.* Temperature 87 1/2° F.
135	--	do.	Flow	S	600	60	700	Perez well. Reported flow (prior to 1907) 600 gallons a minute f/. Measured yield, 64 gallons a minute.*
136	--	do.	Flow	S	850	280	1,000	Carnestolendas well. Measured yield, 50 gallons a minute.* Temperature 93° F.
137	--	do.	Flow	S	650	95	250	Reparo well. Reported flow (prior to 1907) 300 gallons a minute f/. Measured yield, 20 gallons a minute.* Temperature 91° F.
138	--	April 6	Flow	S	490	35	250	Sarita well. Temperature 89° F. Casing: 574 feet of 5-3/16-inch, 580 feet of 4 1/4-inch with 40-foot lap and 305 feet of 3 1/2-inch with 35-foot lap. 100 gallons a minute estimated flow when completed. Measured yield, 56 gallons a minute.* Temperature 92 1/2° F.
139	--	do.	Flow	S	350	290	400	Gansos well. Reported flow (prior to 1907) 350 gallons a minute f/. Measured yield, 53 gallons a minute.* Temperature 91° F.

Records of wells in Kenedy County -Continued

Well No.	Distance from Sarita	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
140	20 miles east southeast	Kenedy Pasture Co.	W. P. Gano	Old	1,315	4-1/4	--	--
141	19 $\frac{1}{2}$ miles east southeast	do.	P. Christensen	1930	1,285	5-3/16	1,250	35
142	21 $\frac{1}{2}$ miles southeast	do.	do.	1931	1,368	4-1/4	1,300	68
143	21 $\frac{1}{2}$ miles southeast	do.	do.	1931	1,410	5-3/16	--	--
Well No.	Distance from Armstrong	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
144	13 $\frac{1}{2}$ miles northwest	H. M. King Est.	Chester Downs	1920	726	5-3/16	667	59+
145	12 miles northwest	do.	do.	1928	726	5-3/16	690	36+
146	11 $\frac{1}{2}$ miles northwest	do.	D. McGinnis	1910	1,000 [±]	5-3/16	--	--
147	11 miles west northwest	do.	Perry Downs	1905	500 [±]	5-3/16	--	--
148	11 $\frac{1}{2}$ miles west	do.	--	Old	155	5-3/16	--	--
149	10 $\frac{1}{2}$ miles west	do.	Chester Downs	Old	750	5-3/16	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests parts per million			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			Chloride	Hardness c/	Sulphate d/	
140	--	April 6	Flow	S	450	60	400	Medanito well. Reported flow (prior to 1907) 400 gallons a minute f/. Measured yield, 68 gallons a minute.* Temperature 92½° F.
141	--	do.	Flow	S	1,000	270	600	Westena well. Casing: 640 feet of 5-3/16-inch, 538 feet of 4¼-inch with 80-foot lap and 380 feet of 3¼-inch with 193-foot lap. Measured yield, 11 gallons a minute.* Temperature 88½° F.
142	--	do.	Flow	S	800	110	200	Lopena well. Casing: 495 feet of 5-3/16-inch, 940 feet of 4¼-inch and 533 feet of 3½-inch with 105-foot lap. Double cased from surface to 495 feet. Measured yield, 53 gallons a minute.* Temperature 90½° F.
143	--	do.	Flow	S	754	70	250	Agua Negro well. Casing: 130 feet of 5-5/8-inch pipe, 613 feet of 5-3/16-inch casing, 608 feet of 4¼-inch casing with 95-foot lap and some 3¼-inch. Double cased from surface to 130 feet. Measured yield, 39 gallons a minute.* Temperature 91½° F.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests parts per million			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			Chloride	Hardness c/	Sulphate d/	
144	--	Feb. 28	Flow	S	270	190	110	Patricio well. Reported flow (Aug. 17, 1928) 20 gallons a minute h/. Measured yield, 3.2 gallons a minute.*
145	--	do.	Flow	S	280	120	220	Mangel well. Casing: 200 feet of 5-3/16-inch to bottom, and 4¼-inch. Measured yield, 6.3 gallons a minute.*
146	10.0	do.	W	S	215	30	75	Ganado well. Well never flowed. Temperature 84° F.
147	--	do.	Flow	S	230	90	140	Sachuistal well. Measured yield, 11 gallons a minute.*
148	44.5	do.	W	S	470	160	140	No. 3 well. Temperature 78° F.
149	--	March 1	Flow	S	300	70	120	Llanito well. Reported flow (1921) 60 to 70 gallons a minute h/. Measured yield, 19 gallons a minute.* Temperature 85° F.

Records of wells in Kenedy County -Continued

Well No.	Distance from Armstrong	Owner	Driller	Date completed	Depth of well (ft.)	Water-bearing bed		
						Diameter of well (in.)	Depth to top of bed (ft.)	Thickness of bed (ft.)
150	9 $\frac{1}{2}$ miles west	H. M. King Est.	O. S. Caldwell	Old	438	5- 3/16	--	--
151	7 $\frac{1}{2}$ miles west	do.	Chester Downs	1919	780	5- 3/16	--	--
152	8 $\frac{1}{2}$ miles west	do.	Perry Downs	Old	--	--	--	--
153	6 miles west	do.	W. P. Gano	1919	700	5- 3/16	--	--
154	11 $\frac{1}{2}$ miles west	do.	Perry Downs	1910	887	5- 3/16	807	80
155	10 miles west	do.	D. McGinnis	--	--	--	--	--
156	7 $\frac{1}{2}$ miles west	do.	Perry Downs	1911	752	5- 3/16	710	42
157	8 miles west	do.	D. McGinnis	Old	730	5- 3/16	680	50
158	10 $\frac{1}{2}$ miles west southwest	do.	--	Old	562	5- 3/16	--	--
159	4 $\frac{1}{2}$ miles west northwest	--	T. Fowler	1902	830	5- 3/16	808	22+
160	2 miles northwest	--	J. B. Armstrong	Old	568	4- 1/4	--	--
161	4 miles west	--	J. C. Curry	1906	900	4- 1/4	--	--
162	2 miles west	--	Sanders & Allen	1901	490	4- 1/4	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests parts per million			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			Chloride	Hardness c/	Sulphate d/	
150	--	March 1	Flow	S	200	180	150	No. 4 well. Estimated yield, 5 gallons a minute.*
151	--	do.	Flow	S	270	55	150	Cerrito well. Reported flow (1909) 50 gallons a minute h/. Measured yield, 21 gallons a minute.* Temperature 84° F.
152	--	do.	Flow	S	304	25	200	Pita well. Measured yield, 12 gallons a minute.* Temperature 85° F.
153	--	do.	Flow W	S	280	25	200	Ball Ranch well. Reported flow (about 1921) 50 gallons a minute. Measured yield, 15 gallons a minute.* Temperature 84° F.
154	--	April 19	Flow	S	290	180	600	Pinole well. Measured yield, 90 gallons a minute.* Temperature 88° F.
155	--	March 1	Flow	S	270	45	100	Senorita well. Measured yield, 2.0 gallons a minute.* Temperature 82° F.
156	--	do.	Flow	S	240	25	75	Toro well. Casing: 500 feet of 5-3/16-inch, and 252 feet of 4 1/4-inch. Measured yield, 15 gallons a minute.* Temperature 85° F.
157	--	do.	Flow	S	300	30	150	Alazan well. Casing: 536 feet of 5-3/16-inch, and 221 feet of 4 1/4-inch with 27-foot lap. Measured yield, 21 gallons a minute.*
158	--	do.	Flow	S	260	80	80	Alto Bonito well. Measured yield, 21 gallons a minute.* Temperature 84° F.
159	--	--	Flow	S	--	--	--	Comal well. Reported flow (prior to 1907) 150 gallons a minute h/. Casing: 305 feet of 5-3/16-inch, 4 1/2 feet to bottom with one joint. Reported small flow of slightly salty water at 300 feet during drilling. Joint perforated.
160	--	April 18	Flow	S	350	90	600	Juan Perez well. Measured yield, 4.0 gallons a minute.* Temperature 81 1/2° F.
161	--	do.	Flow	S	1,200	300	600	Tokio well. Reported flow (Mar. 1913) 50 gallons a minute g/. Measured yield, 8.6 gallons a minute.* Temperature 86° F.
162	--	do.	Flow	S	400	210	700	Marana well. Reported flow (prior to 1907) 20 gallons a minute f/. Measured yield, 2.2 gallons a minute.* Temperature 81 1/2° F.

Records of wells in Kenedy County -Continued

Well No.	Distance from Armstrong	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
e/163	1½ miles southwest	--	Wm. Gano	Old	900 ±	5-3/16	--	--
e/164	4½ miles southwest	--	J. C. Curry	1906	857	3	--	--
e/165	3 miles southwest	--	Sandore & Allen	1901	500	3-1/2	--	--
166	4 miles south southwest	--	J. C. Curry	Old	780	4-1/4	--	--
167	6 miles southwest	--	do.	--	805	4-1/4	--	--
168	7½ miles southwest	--	Currey & Sons	Old	770	5-3/16	--	--
e/169	Armstrong	--	W. P. Gano	Old	834	5-3/16	--	--
170	do.	--	R. Robertsen	1904	730	6-1/4	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests parts per million			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			Chlo-ride	Hard-ness c/	Sul-phate d/	
163	--	April 18	Flow	S	290	55	400	Tim well. Reported flow in 1922, 280 gallons a minute by C. M. Armstrong. Measured yield, 44 gallons a minute.*
164	--	do.	Flow	S	360	50	350	Harbin well. Temperature 88° F. Reported flow (prior to 1907) 150 gallons a minute. Shallow salt water ate through casing and flow stopped, repaired by inserting 3-inch casing with leather cup washers on end in old 4½-inch casing f/. Measured yield, 28 gallons a minute.* Temperature 85° F.
165	--	do.	Flow	--	2,000	1,600	2,000	San Tomas well. Reported flow (prior to 1907) 20 gallons a minute f/. Shallow salt water has broken in. Reported flow (Mar. 1913) 5 gallons a minute; temperature 82° F. g/. Measured yield, 0.5 gallon a minute.* Temperature 80° F.
166	--	do.	Flow	S	310	330	1,000	Buton well. Reported flow (prior to 1907) 160 gallons a minute. Also known as "Tollidos". f/ Measured yield, 9.0 gallons a minute.* Temperature 85° F.
167	--	do.	Flow	S	360	35	450	Rodeo well. Reported flow (prior to 1907) 100 gallons a minute f/. Measured yield, 8.2 gallons a minute.* Temperature 85° F.
168	--	do.	Flow	S	390	50	350	Lola or Rincon well. Reported flow (prior to 1907) 75 gallons a minute f/. Measured yield, 3.6 gallons a minute.* Temperature 85° F.
169	--	do.	Flow	R.R.	300	75	200	Missouri Pacific Railroad well. Reported flow (Mar. 1913) 50 gallons a minute g/. Reported flow (about 1920) 28 gallons a minute. Measured yield, 4.4 gallons a minute.* Temperature 86½° F.
170	--	do.	Flow	R.R.	320	220	700	Missouri Pacific Railroad well. Reported flow (prior to 1907) 60 gallons a minute f/. Well was later deepened to 900 feet by W. P. Gano. Measured yield, 5.7 gallons a minute.* Temperature 85½° F.

Records of wells in Kenedy County -Continued

Well No.	Distance from Armstrong	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
e/171	Armstrong	--	R. Robertson	--	900 ±	4- 1/4	--	--
e/172	2 miles north northeast	--	W. P. Gano	--	800	4- 1/4	--	--
e/173	2 miles northeast	--	J. B. Armstrong	Old	893	4- 1/4	--	--
e/174	3 1/2 miles northeast	--	W. P. Gano	Old	800 ±	4- 1/4	--	--
e/175	2 1/2 miles southeast	--	Thos. Fowler	1905	800 ±	4- 1/4	--	--
e/176	3 1/2 miles east southeast	--	J. C. Curry	Old	845	4- 1/4	825	20
Well No.	Distance from Norias	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
e/177	12 miles west	H. M. King Est.	Henry Curry	1927	960	5- 3/16	942	18
178	10 miles west northwest	do.	do.	1927	640	6- 5/8	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests parts per million			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			Chloride	Hardness c/	Sulphate d/	
171	--	April 18	Flow	R.R.	290	65	160	Missouri Pacific Railroad well. Measured yield, 24 gallons a minute.* Temperature 87 $\frac{1}{2}$ ° F.
172	--	April 19	Flow	S	320	35	300	Soria well. Reported flow (Mar. 1913) 40 gallons a minute, temperature 87° F. g/. Measured yield, 7.5 gallons a minute.* Temperature 86° F.
173	--	do.	Flow	S	310	35	250	Armstrong Ranch well. Reported flow (prior to 1907) 150 gallons a minute f/. Reported flow (Mar. 1913) 40 gallons a minute g/. Shallow salt water broken in and small pipe and packer have been inserted. Measured yield, 1.6 gallons a minute.* Temperature 85° F.
174	--	do.	Flow	S	400	40	350	Alazan well. Reported flow (Mar. 1913) 30 gallons a minute, temperature 87° F. g/. Measured yield, 5.0 gallons a minute.* Temperature 85° F.
175	--	do.	Flow	S	350	90	400	San Carlos well. Reported temperature 84° F. in Mar. 1913 g/. Measured yield, 1.4 gallons a minute.* Temperature 81 $\frac{1}{2}$ ° F.
176	--	do.	Flow	S	360	40	400	John well. Measured yield, 60 gallons a minute.* Temperature 88° F.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests parts per million			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			Chloride	Hardness c/	Sulphate d/	
177	--	April 23	Flow	S	340	100	500	Sergeant well. Casing: 81 feet of 5-3/16-inch, 678 feet of 4 $\frac{1}{2}$ -inch, 202 feet of 3 $\frac{1}{4}$ -inch. Double cased from surface to 81 feet. Measured yield, 11 gallons a minute.* Temperature 87 $\frac{1}{2}$ ° F.
178	--	do.	Flow	S	280	70	200	Cassar well. Casing: 317 feet of 6-5/8-inch and 282 feet of 5-3/16-inch. Measured yield, 19 gallons a minute.* Temperature 84 $\frac{1}{2}$ ° F.

Records of wells in Kenedy County -Continued

Well No.	Distance from Norias	Owner	Driller	Date com- ple- ted	Depth of well (ft.)	Diam- eter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thick- ness of bed (ft.)
179	10 miles west northwest	H. M. King Est.	Chester Downs	--	877	4 1/4	--	--
180	9 $\frac{1}{2}$ miles west	do.	-- Downs	--	641	6- 5/8	--	--
181	10 miles west	do.	Chester Downs	1921	691	4- 1/4	670	20
182	11 miles west southwest	do.	--	--	726	6- 5/8	--	--
183	7 $\frac{1}{2}$ miles west northwest	do.	Chester Downs	1921	671	5- 3/16	--	--
184	7 miles west	do.	do.	1922	785	4- 1/4	--	--
185	7 $\frac{1}{2}$ miles west southwest	do.	Henry Curry	--	638	5- 3/16	--	--
186	8 $\frac{1}{2}$ miles southwest	do.	Howard Curry	--	--	--	--	--
187	4 miles west	do.	-- Curry	1918	846	--	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			parts per million	Chloride	Hardness c/	
179	--	April 23	Flow	S	420	180	300	Julian Grande well. Casing: 599 feet of 4 $\frac{1}{2}$ -inch and 284 feet of 3 $\frac{1}{2}$ -inch. Measured yield, 47 gallons a minute.*
180	--	do.	Flow	S	500	40	200	Coyote well. Casing: 386 feet of 6-5/8-inch and 225 feet of 5-3/16-inch. Measured yield, 8.6 gallons a minute.* Temperature 88° F.
181	--	April 24	Flow	S	340	45	60	Sam well. Casing: 85 feet of 5-3/16-inch, 545 feet of 4 $\frac{1}{2}$ -inch, 81 feet of 3 $\frac{1}{2}$ -inch, and 22 feet of strainer. Double cased from surface to 85 feet. Reported flow (1921) 30 gallons a minute. Measured yield, 7.7 gallons a minute.* Temperature 84° F.
182	0.9	do.	W	S	420	40	100	Buenos Aires well. Casing: 100 feet of 6-5/8-inch, 487 feet of 4 $\frac{1}{2}$ -inch and 175 feet of 3 $\frac{1}{2}$ -inch. Well formerly
183	--	April 25	Flow	S	290	40	100	Richard well. Casing: 442 feet of 5-3/16-inch, 230 feet of 4 $\frac{1}{2}$ -inch and 112 feet of 3 $\frac{1}{2}$ -inch. Reported flow (1921) 60 gallons a minute h/. Measured yield, 29 gallons a minute.* Temperature 85° F.
184	18.0	April 23	W	S	320	50	200	Chaparrosa well. Casing: 20 feet of 6-5/8-inch, 633 feet of 4 $\frac{1}{2}$ -inch, and 142 feet of 3 $\frac{1}{2}$ -inch casing. Double cased from surface to 20 feet. Reported water level (1922) 9 feet below top of casing h/.
185	--	do.	Flow	S	350	35	200	Comanche well. Casing: 104 feet of 5-3/16-inch, 496 feet of 4 $\frac{1}{2}$ -inch and 102 feet of 3 $\frac{1}{2}$ -inch. Old abandoned. Comanche well was 668 feet deep. Measured yield, 10 gallons a minute.* Temperature 86° F.
186	--	April 24	Flow	S	460	90	200	Finnegan or Vivoritas well. Measured yield, 8.6 gallons a minute.* Temperature 88° F.
187	--	April 25	Flow	S	330	60	100	Grulla well. Measured yield, 21 gallons a minute.* Temperature 87 $\frac{1}{2}$ ° F.

Records of wells in Kenedy County -Continued

Well No.	Distance from Norias	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
188	5 miles west southwest	H. M. King Est.	Howard Curry	--	1,146	5- 3/16	1,118	28
189	7 miles southwest	do.	do.	1910	--	--	--	--
190	13 miles west southwest	do.	Chester Downs	1921	794	4- 1/4	--	--
191	14 miles southwest	do.	--	--	730	5- 3/16	--	--
192	13 miles southwest	do.	Howard Curry	1927	--	--	--	--
193	10 $\frac{1}{2}$ miles southwest	do.	George Curry	1918	--	--	--	--
194	8 miles southwest	do.	Howard Curry	1927	890	5- 3/16	870	20
195	11 $\frac{1}{2}$ miles southwest	do.	George Curry	1918	--	5- 3/16	--	--
196	14 miles southwest	do.	Howard Curry	1922	--	--	--	--
197	13 miles southwest	do.	--	--	--	4- 1/4	--	--
198	14 miles southwest	do.	Howard Curry	1927	1,062	5- 3/16	1,010	40
199	4 miles northwest	do.	Henry Curry	1914	806	6- 5/8	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests parts per million			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			Chloride	Hardness c/	Sulfate d/	
188	--	April 23	Flow	S	350	90	1,600	Banderitas well. Casing: 80 feet of 5-3/16-inch, 738 feet of 4 1/4-inch, and 358 feet of 3 1/2-inch. Old abandoned. Banderera well was 783 feet deep. Measured yield, 60 gallons a minute.* Temperature 89° F.
189	--	April 24	Flow	S	370	30	100	Maravillas well. Measured yield, 8.0 gallons a minute.*
190	--	do.	Flow	S	500	95	150	Andrea Ranch well. Casing: 37 feet of 5-3/16-inch, 554 feet of 4 1/4-inch and 239 feet of 3 1/4-inch. Reported flow (Nov. 1921) 25 gallons a minute h/. Estimated yield, 8 gallons a minute.* Temperature 85 1/2° F.
191	--	do.	Flow	S	800	70	100	Riqueza well. Measured yield, 5.2 gallons a minute.*
192	--	do.	Flow	S	850	190	300	Martillo well. Measured yield, 15 gallons a minute.* Temperature 86 1/2° F.
193	--	do.	Flow	S	420	45	100	San Pedro well. Measured yield, 8.2 gallons a minute.* Temperature 90° F.
194	--	April 25	Flow	S	600	90	200	Concha well. Casing: 106 feet of 5-3/16-inch and 781 feet of 4 1/4-inch. Measured yield, 22 gallons a minute.*
195	--	do.	Flow	S	500	30	100	San Jose well. Old flow discharge was 3 feet higher than present and pump was installed but lowering outlet 3 feet now gives sufficient water. Measured yield, 4.1 gallons a minute.* Temperature 85° F.
196	--	do.	Flow	S	700	80	100	Melona well. Measured yield, 9.4 gallons a minute.*
197	--	--	W	S	600	80	200	Copita well. Old well, repaired by Howard Curry but flow did not
198	4.0	April 25	W	S	350	420	600	San Salvador well. Casing: 88 feet of 5-3/16-inch and 967 feet of 4 1/4-inch.
199	--	do.	Flow	S	410	480	600	Lola well. Casing: 72 feet of 6-5/8-inch, 472 feet of 4 1/4-inch and 306 feet of 3 1/4-inch. Measured yield, 6.0 gallons a minute.* Temperature 84 1/2° F.

Records of wells in Kenedy County -Continued

Well No.	Distance from Norias	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
200	3 $\frac{1}{2}$ miles north	H. M. King Est.	Dave Deer	1908	45	7	--	--
201	2 $\frac{1}{2}$ miles west	do.	--	--	801	5- 3/16	--	--
202	Norias	do.	Andrew Ferguson	--	866	5- 3/16	--	--
203	2 $\frac{1}{2}$ miles west southwest	do.	Henry Curry	--	1,130	5- 3/16	--	--
204	3 $\frac{1}{2}$ miles southwest	do.	--	--	818	--	--	--
205	6 miles south southwest	do.	Henry Curry	--	--	6- 5/8	--	--
206	6 $\frac{1}{2}$ miles south	do.	--	--	--	--	--	--
207	5 $\frac{1}{2}$ miles north	do.	Henry Curry	1918	938	4- 1/4	--	--
208	6 $\frac{1}{2}$ miles northeast	do.	--	--	--	--	--	--
209	4 $\frac{1}{2}$ miles northeast	do.	Chester Downs	1922	1,035	5- 3/16	--	--
210	8 miles northeast	do.	--	--	966	--	--	--
211	6 $\frac{1}{2}$ miles northeast	do.	Dave Deer	1920	35	5- 3/16	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift <u>a/</u>	Use of water <u>b/</u>	Field tests parts per million			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			Chloride	Hardness <u>c/</u>	Sulfate <u>d/</u>	
200	19.5	April 25	W	S	900	1,100	80	Tullidos well. Casing: 45 feet of 6-5/8-inch. Temperature 74° F.
201	3.1	do.	W	S	400	650	800	Grulla or Mondado well.
202	--	--	W	D,S	330	220	300	Norias well.
203	--	April 25	Flow	S	270	130	250	Epps well. Originally 842 feet deep with 63 feet of 6-5/8-inch, 609 feet of 4 1/4-inch and 207 feet of 3 1/4-inch casing. Stopped flowing and deepened by Howard Curry in 1931, adding 57 feet of 5-3/16-inch at top and 340 feet of 2 1/2-inch at bottom. Measured yield, 5.0 gallons a minute.* Temperature 87° F.
204	--	do.	Flow	S	370	100	200	Loma Prieta well. Measured yield, 15 gallons a minute.*
205	--	do.	Flow	S	470	85	400	Pitosa well. Measured yield, 17 gallons a minute.* Temperature 87° F.
206	--	do.	Flow	R.R.	400	140	380	Rudolph well. Temperature 91° F. Owned by St. Louis, Brownsville and Mexico Railway. Measured yield, 10 gallons a minute.*
207	--	April 26	Flow	S	360	75	250	Firman well. Casing: 652 feet of 4 1/2-inch and 304 feet of 3 1/2-inch. Measured yield, 15 gallons a minute.*
208	--	do.	Flow	S	500	310	300	Timoteo well. Measured yield, 9.4 gallons a minute.* Temperature 87 1/2° F.
209	--	do.	Flow	S	500	340	350	Fortuna well. Temperature 86 1/2° F. Casing: 191 feet of 5-3/16-inch, 514 feet of 4 1/2-inch and 356 feet of 3 1/2-inch. Reported flow (1922) 25 gallons a minute h/. Measured yield, 10.6 gallons a minute.*
210	--	do.	Flow	S	400	95	200	Piedra well. Measured yield, 16 gallons a minute.* Temperature 87 1/2° F.
211	--	--	W	S	250	370	80	Chicago well. Temperature 87° F. Casing: 35 feet of 5-3/16-inch. Temperature 73 1/2° F.

Records of wells in Kenedy County -Continued

Well No.	Distance from Norias	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
212	5½ miles northeast	H. M. King Est.	-- Downs	--	1,002	5- 3/16	--	--
213	2½ miles northeast	do.	Henry Curry	1915	922	5- 3/16	--	--
214	½ mile north	do.	do.	--	855	--	--	--
215	3½ miles southeast	do.	Howard Curry	1923	--	--	--	--
216	3½ miles south southwest	do.	Henry Curry	1917	925	6- 5/8	--	--
217	5½ miles south southeast	do.	Howard Curry	1923	965	--	--	--
e/218	4½ miles east	do.	H. L. Curry	1930	1,234	5- 5/8	--	--
219	4½ miles east southeast	do.	--	--	960	--	--	--
220	8 miles east northeast	do.	Howard Curry	1931	1,203	5- 5/8	--	--
221	7½ miles east	do.	Henry Curry	1910	1,068	5- 3/16	--	--
222	7½ miles east southeast	do.	do.	--	1,338	--	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests parts per million			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			Chloride	Hardness c/	Sulphate d/	
212	--	April 26	Flow	S	400	130	300	San Ygnacio well. Casing: 481 feet of 5-3/16-inch, 338 feet of 4 1/4-inch and 273 feet of 3 1/4-inch. Repaired by Howard Curry and may be deeper than original depth of 1,002 feet. Measured yield, 8.3 gallons a minute.* Temperature 89 1/2° F.
213	--	do.	Flow	S	370	340	300	Mike well. Casing: 618 feet of 5-3/16-inch and 329 feet of 4 1/4-inch. Measured yield, 5.8 gallons a minute.* Temperature 86° F.
214	--	April 25	Flow W	D,S	380	190	300	Potrero well. Measured yield, 23 gallons a minute.* Temperature 86 1/2° F.
215	--	April 26	Flow	S	380	100	400	Papalote Mocho well. Measured yield, 9.5 gallons a minute.* Temperature 87° F.
216	--	do.	Flow	S	440	280	300	Tio Mack well. Casing: 99 feet of 6-5/8-inch, 594 feet of 4 1/4-inch and 277 feet of 3 1/4-inch. Measured yield, 19 gallons a minute.* Temperature 87 1/2° F.
217	--	do.	Flow	S	500	480	500	Chilipitin well. Measured yield, 9.5 gallons a minute.* Temperature 87° F.
218	--	do.	Flow	S	400	40	400	Escondida well. Casing: 780 feet of 5-5/8-inch and 554 feet of 4 1/4-inch. Measured yield, 26 gallons a minute.* Temperature 90° F.
219	--	do.	Flow	S	460	340	550	Saltillo well. Measured yield, 9.7 gallons a minute.* Temperature 87 1/2° F.
220	--	do.	Flow	S	480	90	450	Don Roberto well. Casing: 712 feet of 5-5/8-inch and 514 feet of 4 1/4-inch. Measured yield, 23 gallons a minute.* Temperature 90 1/2° F.
221	--	do.	Flow	S	490	150	450	San Francisco well. Casing: 603 feet of 5-3/16-inch, 481 feet of 4 1/4-inch and 80 feet of 3 1/4-inch. Measured yield, 39 gallons a minute.* Temperature 89° F.
222	--	do.	Flow	S	460	600	700	Monte Mosquito well. Measured yield, 7.0 gallons a minute.* Temperature 88 1/2° F.

Records of wells in Kenedy County -Continued

Well No.	Distance from Norias	Owner	Driller	Date completed	Depth of well (ft)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
223	6 miles southeast	H. M. King Est.	Howard Curry	1930	1,346	5-5/8	--	--
224	8 miles southeast	do.	do.	1931	--	--	--	--
225	9 miles southeast	do.	-- Curry	--	1,135	5-3/16	--	--
226	10 miles east	do.	Dave Deer	1911	64	5-3/16	--	--
227	9 1/2 miles east	do.	Howard Curry	1916	--	--	--	--
228	9 1/2 miles east southeast	do.	Henry Curry	1930	1,408	6-5/8	--	--
229	11 miles east	do.	do.	Old	84	5-3/16	--	--
230	10 1/2 miles southeast	do.	--	--	70	5-3/16	--	--
231	11 miles southeast	do.	Howard Curry	1928	--	--	--	--
232	12 1/2 miles southeast	do.	do.	1922	--	--	--	--
233	14 1/2 miles southeast	do.	H. L. Curry	1931	1,327	5-5/8	--	--
234	14 miles southeast	do.	--	--	60	6-5/8	--	--
235	14 1/2 miles southeast	do.	W. P. Gano	Old	1,320	--	--	--
236	12 1/2 miles southeast	do.	Howard Curry	1920	--	--	--	--
237	14 miles southeast	do.	--	--	86	5-3/16	--	--
238	11 1/2 miles east	do.	H. L. Curry	1931	1,160	6-5/8	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			parts per million Chloride	Hardness c/	Sulphate d/	
223	--	April 26	Flow	S	280	90	400	Burro Pinto well. Casing: 730 feet of 5-5/8-inch and 641 feet of 4 1/4-inch. Measured yield, 45 gallons a minute.* Temperature 92° F.
224	--	do.	Flow	S	300	240	500	Caldero well. Measured yield, 7.8 gallons a minute.*
225	--	do.	Flow	S	500	550	400	Rosita well. Measured yield, 18 gallons a minute.* Temperature 88 1/2° F.
226	21.2	do.	W	S	800	400	50	Soledad well. Temperature 89° F.
227	--	do.	Flow	S	440	55	500	Tejones well. Measured yield, 11 gallons a minute.*
228	--	do.	Flow	S	370	140	600	Medanito well. Casing: 420 feet of 5-5/8-inch, 607 feet of 4 1/4-inch, and 161 feet of 8 1/2-inch. Old well 1,146 feet; 688 feet of 5-5/8-inch and 738 feet of 4 1/4-inch casing in new well. Measured yield, 33 gallons a minute.* Temperature 90° F.
229	40.4	do.	W	S	480	650	30	Parrita well. Casing: 34 feet of 5-3/16-inch. Temperature 92° F.
230	44.0	do.	W	S	1,100	3,000	100	Tate well. Temperature 76° F.
231	--	April 29	Flow	S	450	440	400	Washington well. Measured yield, 5.8 gallons a minute.*
232	--	April 27	Flow	S	440	390	400	Villa-real well. Measured yield, 13 gallons a minute.* Temperature 88° F.
233	--	do.	Flow	S	460	340	550	Retama well. Casing: 690 feet of 5-5/8-inch, 628 feet of 4 1/2-inch set at 1,286 and 61 feet of 3 1/2-inch casing set at 1,327 feet. Measured yield, 7.5 gallons a minute.* Temperature 89 1/2° F.
234	30	April 29	W	S	1,700	2,400	100	Buena Vista well.
235	--	do.	Flow	D,S	490	470	400	San Francisco well. Measured yield, 10 gallons a minute.* Temperature 90° F.
236	--	April 28	Flow	S	480	650	400	Tecolote well. Measured yield, 12 gallons a minute.*
237	30	do.	W	S	700	450	200	Campo Verde well. Temperature 89° F.
238	--	April 27	Flow W	S	500	170	300	Dos Amigos well. Drilled and repaired several times by H. L. Curry. Measured yield, 0.8 gallons a minute.* Temperature 81 1/2° F.

Records of wells in Kenedy County -Continued

Well No.	Distance from Norias	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
239	12½ miles east	H. M. King Est.	Dave Deer	--	45	5- 3/16	--	--
240	14 miles east	do.	do.	1915	40	5- 3/16	--	--
241	15½ miles east	do.	do.	--	40 ±	5- 3/16	--	--
242	17 miles east	do.	--	--	--	--	--	--
243	12½ miles east southeast	do.	Dave Deer	1920	45	6- 5/8	--	--
244	13½ miles east southeast	do.	do.	1930	45	5- 3/16	--	--
245	14 miles east southeast	do.	--	--	48	5- 3/16	--	--
246	14 miles east southeast	do.	Dave Deer	1923	53	5- 3/16	--	--
247	17½ miles east southeast	do.	--	--	33	6- 5/8	--	--
e/248	18½ miles east southeast	do.	Howard Curry	--	--	--	--	--
249	19 miles east southeast	do.	--	--	35	5- 3/16	--	--
250	13½ miles southeast	do.	-- Villareal	1919	49	6- 5/8	--	--
251	16 miles southeast	do.	Howard Curry	1925	1,407	6- 5/8	--	--
252	15½ miles southeast	do.	do.	1917	--	--	--	--
253	16½ miles southeast	do.	do.	1913	--	--	--	--
254	18 miles southeast	do.	--	--	50 ±	--	--	--
255	19½ miles southeast	do.	--	--	40	5- 3/16	--	--
256	20 miles southeast	do.	--	--	53	5- 3/16	--	--
257	18 miles southeast	do.	--	--	40	5- 3/16	--	--

All wells are drilled unless otherwise stated in remarks.

Well No.	Water level		Method of lift a/	Use of water b/	Field tests parts per million			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			Chloride	Hardness c/	Sulphate d/	
239	15.5	April 27	W	S	600	800	200	Santa Cruz well. Casing: 45 feet of 5-3/16-inch. Temperature 74° F.
240	13.1	do.	W	S	380	330	150	Guaajalote well. Casing: 40 feet of 5-3/16-inch. Temperature 73° F.
241	16.0	do.	W	S	430	550	100	Juanita well. Temperature 75° F.
242	--	do.	Flow	S	4,000	2,800	2,000	Rodero well. Measured yield, 48 gallons a minute.* Temperature 86° F.
243	--	do.	W	S	2,400	1,800	300	Corrales Colorado well.
244	25.0	do.	W	D,S	190	700	50	San Jose Ranch well. Temperature 76° F.
245	20.0	do.	W	S	900	1,800	100	Burro well. Temperature 76° F.
246	32.3	do.	W	S	500	550	50	Mesquite well. Casing: 52 feet of 5-3/16-inch.
247	2.5	do.	W	S	1,200	1,500	200	Nido well. Casing: 15 feet of 6-5/8-inch and 20 feet of 5-3/16-inch. Temperature 75° F.
248	--	do.	Flow	S	700	180	400	Don Triste well. Measured yield, 64 gallons a minute.* Temperature 92° F.
249	9.0	do.	W	S	550	550	100	Mujeres well. Temperature 77° F.
250	35.0	do.	W	S	1,000	2,000	100	San Luis well. Casing: 60 feet of 6-5/8-inch. Temperature 76° F.
251	--	do.	Flow	S	470	520	380	Charco Blanco well. Casing: 237 feet of 6-5/8-inch, 777 feet of 4½-inch, 408 feet of 3½-inch, and 99 feet of 2½-inch. Measured yield, 7.5 gallons a minute.*
252	--	do.	Flow	S	420	1,100	800	Taride Ranch well. Measured yield, 2.0 gallons a minute.* Temperature 85° F.
253	--	do.	Flow	S	4,000	3,500	2,000	Salado well. Estimated yield, 1 gallon a minute.*
254	--	do.	W	S	110	75	80	Huisa-chito well. Temperature 88° F.
255	9.0	April 28	W	S	260	430	200	Calandria well. Temperature 74° F.
256	25	do.	W	S	1,000	1,000	300	Mota Mesquites well. Temperature 76° F.
257	30.0	do.	W	S	1,400	1,000	250	Tio Moya well. Temperature 77° F.

Records of wells in Kenedy County -Continued

Well No.	Distance from Norias	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Water-bearing bed	
							Depth to top of bed (ft.)	Thickness of bed (ft.)
258	17 $\frac{1}{2}$ miles southeast	H. M. King Est.	Henry Curry	1920	1,381	6- 5/8	--	--
259	20 miles southeast	do.	Howard Curry	1925	--	--	--	--
260	21 miles southeast	do.	do.	1930	--	--	--	--
261	17 $\frac{1}{2}$ miles southeast	do.	do.	1925	--	--	--	--
262	20 miles southeast	do.	--	--	50	5- 3/16	--	--
263	23 miles southeast	do.	Howard Curry	1930	--	--	--	--

a/ W, windmill.

b/ S, stock; D, domestic; N, not used; R.R. railroad locomotives; I, irrigation.

c/ Hardness as calcium carbonate determined by the soap method.

d/ Sulphate test by turbidity method and may be as much as 25 percent in error.

e/ For analysis of water see table on pp. 55 and 56.

* Measured or estimated in March or April 1933.

All wells are drilled unless otherwise stated in remarks.

No.	Water level		Method of lift a/	Use of water b/	Field tests parts per million			Remarks
	Depth below top of casing (feet)	Date of measurement 1933			Chloride	Hardness c/	Sulphate d/	
258	--	April 27	Flow	S	550	1,400	1,000	Cantera well. Deepened to 1,381 feet by Howard Curry. Casing: 157 feet of 6-5/8-inch, 350 feet of 4 1/4-inch, and 420 feet of 3 1/4-inch. Measured yield, 5.8 gallons a minute.* Temperature 88 1/2° F.
259	--	April 28	Flow	S	650	1,300	600	Jaboncillo well. Measured yield, 27 gallons a minute.* Temperature 90° F.
260	--	do.	Flow	S	500	480	600	Medanos well. Measured yield, 20 gallons a minute.* Temperature 91° F.
261	--	April 27	Flow	S	700	1,000	500	Dos Mesquites well. Measured yield, 16 gallons a minute.* Temperature 91 1/2° F.
262	--	--	W	S	2,000	3,300	200	Perico well. Measured yield, 76° F. Perico well.
263	--	April 29	Flow	S	1,800	550	600	Dave Deer well. Measured yield, 30 gallons a minute.* Temperature 90° F.

f/ Taylor, T. U., Underground waters of Coastal Plains of Texas: U. S. Geol. Survey, Water-Supply Paper 190, 1907.

g/ Flow estimated; water sample collected and temperature taken by David Donoghue, under the supervision of Alexander Deussen, formerly of the U. S. Geol. Survey.

h/ Reported by driller.

Table of Drillers' Logs, Kenedy County, Texas

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 65</u>		
Kenedy Pasture Company. La Mota del Cabrillo well.		
Sand- - - -	18	18
Sand and caliche- - -	12	30
Lime and rock - - -	2	32
Sand- - - -	78	110
Blue mud- - - -	8	118
Sand- - - -	10	128
Sandy blue shale- - -	22	150
Rock- - - -	2	152
Blue sandy shale and shells- - - -	93	245
Blue gumbo - - - -	70	315
Shell rock - - - -	3	318
Light blue mud - - -	52	370
Light blue mud and shell rock- - - -	90	460
Rock- - - -	1	461
Blue mud, gypsum and shell rock- - - -	8	469
Blue gumbo - - - -	56	525
Sand and caliche- - -	25	550
Blue and pink gumbo - -	40	590
Sand, shale and shells- - - -	20	610
Sand- - - -	35	645
Sand with red mud - - -	35	680
Red mud - - - -	20	700
Sand- - - -	35	735
Red mud - - - -	59	794
Sand- - - -	70	864
Red mud - - - -	4	868

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 74</u>		
Kenedy Pasture Company. Manuela well at La Parra Ranch.		
Salt sand - - - -	20	20
Caliche rock- - - -	5	25
Sand rock - - - -	7	32
White clay - - - -	3	35
Rock- - - -	5	40
Blue rock - - - -	20	60
Sand rock - - - -	10	70
Little hard rock- - -	20	90
Sand rock - - - -	40	130
Rock and clay - - -	10	140
White clay - - - -	2	142
White and blue clay- - - -	2	144
Blue shell - - - -	1	145

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 74 -Continued</u>		
Blue clay and shell - - - -	15	160
Blue sand and rock - -	10	170
Water sand - - - -	65	235
White clay and sand - -	5	240
Rock and white clay - -	20	260
Blue clay and rock - -	10	270
Blue rock and sand - -	30	300
Flint rock - - - -	10	310
Hard rock- - - -	30	340
Dark sand and blue clay - - - -	20	360
Blue salt sand - - - -	20	380
Blue clay - - - -	20	400
White and blue clay - -	8	408
Hard rock - - - -	4	412
Rock and clay - - - -	8	420
Rock- - - -	30	450
Rock and sand - - - -	10	460
Clay and rock - - - -	20	480
Rock- - - -	10	490
Rock and blue clay - -	5	495
Blue clay - - - -	10	505
Red and blue clay - - -	5	510
Red and blue clay and rock - - - -	4	514
Rock- - - -	6	520
Rock and sand - - - -	5	525
Rock and clay - - - -	15	540
Sand and clay - - - -	10	550
Blue clay - - - -	10	560
Red and blue clay - - -	10	570
Red clay- - - -	5	575
Red and blue clay - - -	20	595
Hard rock - - - -	5	600
Blue clay - - - -	20	620
Blue and red clay - - -	15	635
Sand and blue clay - -	10	645
Blue and red clay - - -	10	655
Rock- - - -	10	665
Red clay and sand - - -	10	675
Rock and sand - - - -	5	680
Red clay and sand - - -	5	685
Red clay and water sand - - - -	10	695
White clay and sand - -	10	705
Red clay - - - -	30	735
Water sand - - - -	5	740
Water sand and rock - -	5	745
Good water sand - - -	87	832
White clay - - - -	8	840

Table of Drillers' Logs, Kenedy County -Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 82</u>		
Kenedy Pasture Company, Rosita well.		
Sand - - - - -	10	10
Sand rock- - - -	10	20
Salt water sand - -	10	30
White clay and rock -	10	40
Salt water sand - -	10	50
Blue clay- - - - -	50	100
Rock- - - - -	5	105
Salt water sand - -	10	115
White clay - - - -	25	140
Sand- - - - -	40	180
Rock - - - - -	5	185
Brown clay - - - -	17	202
Shell- - - - -	8	210
White sand - - - -	10	220
Blue clay- - - - -	80	300
White sand - - - -	20	320
Rock - - - - -	10	330
White sand - - - -	24	354
Hard rock- - - - -	6	360
Sand and rock- - -	15	375
Blue clay and boulders- - - - -	75	450
Hard rock- - - - -	10	460
Blue clay- - - - -	20	480
White sand - - - -	30	510
White rock - - - -	20	530
Blue clay and sand -	49	579
Rock and shale - -	11	590
Blue clay and boulders-	110	700
Gypsum- - - - -	10	710
Blue clay - - - - -	109	819
Red clay- - - - -	86	905
Water sand- - - - -	15	920
Red clay - - - - -	43	963
Rock- - - - -	20	983
Sand- - - - -	10	993
Blue clay - - - - -	5	998
Hard rock - - - - -	8	1006
Brown clay- - - - -	19	1025
Red clay - - - - -	22	1047
Water sand- - - - -	20	1067

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 96</u>		
Kenedy Pasture Company, Nido well.		
Sand - - - - -	200	200
Blue clay- - - - -	200	400
Mixture of sand, shell, gypsum and clay- -	210	610
Blue clay- - - - -	80	690
Sand- - - - -	30	720

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 96 -Continued</u>		
Blue clay- - - - -	25	745
Red clay - - - - -	5	750
Mixture blue clay and sand - - - - -	15	765
Rock - - - - -	3	768
Hard sand and shell rock - - - - -	25	793
Hard muddy sand - -	20	813
Sand - - - - -	10	823
Concrete formation -	10	833
Rock - - - - -	2	835
Concrete formation -	30	865
Blue mud and shells -	43	908
Red clay - - - - -	25	933
Sand - - - - -	25	958
Red clay - - - - -	40	998
Hard sand and shells -	20	1018
Sand - - - - -	40	1058
Red clay - - - - -	37	1095
Sand - - - - -	60	1155
Red clay - - - - -	8	1163

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 118</u>		
Kenedy Pasture Company, Rincon de San Francisco well.		
Fine white sand - -	20	20
Caliche - - - - -	15	35
Mixed blue clay and sand - - - - -	275	310
Blue clay- - - - -	50	360
Sand, shell and gypsum - - - - -	200	560
Blue mud, shell and gypsum - - - - -	130	690
Blue mud and gypsum -	50	740
Water sand - - - - -	25	765
Red and green mud- -	90	855
Water sand - - - - -	20	875
Blue clay, gypsum and rock- - - - -	75	950
Hard red mud - - - -	30	980
Sand - - - - -	30	1010
Hard red mud - - - -	55	1065
Water sand - - - - -	30	1095
Hard red mud - - - -	75	1170
Water sand - - - - -	35	1205
Hard sand- - - - -	15	1220
Hard white clay - - -	18	1238

Table of Drillers' Logs, Kenedy County -Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 124</u>		
Kenedy Pasture Company. Agujas well.		
Sand - - - -	12	12
Shell- - - -	5	17
White sand - - -	33	55
White clay - - -	45	100
Brown clay - - -	35	135
Blue clay- - - -	55	190
Rock - - - -	10	200
Sand - - - -	20	220
Blue clay and boulders-	40	260
Brown clay - - -	30	290
Blue clay- - - -	106	396
Sand - - - -	20	416
Blue clay- - - -	42	458
Rock - - - -	6	464
Brown clay - - -	73	540
Blue clay- - - -	70	610
Rock and sand- - -	35	645
Sand - - - -	25	670
Blue clay and gypsum - - - -	70	740
Blue sand and boulders--	65	805
Shell- - - -	5	810
Pink clay and gypsum -	53	863
Blue clay and rock -	103	966
Red clay - - - -	24	990
Blue clay and boulders - - - -	19	1009
White clay - - - -	41	1050
Blue clay and boulders - - - -	30	1080
White sand - - - -	10	1090
Gypsum and red clay -	10	1100
Sand - - - -	10	1110
Rock - - - -	5	1115
Red clay - - - -	140	1255
Water sand - - - -	23	1278

Driller's log of well 127

Kenedy Pasture Company. Rincon Encina de la Cruz well.		
Surface sand - - -	6	6
Water sand - - -	54	60
Caliche and sand mixed - - - -	40	100
Sand - - - -	175	275
Blue mud - - - -	95	370
Sand - - - -	150	520
Shell and rock - - -	40	560
Hard sand- - - -	60	620

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 127 -Continued</u>		
Sand, shell and mud -	64	684
Fine white sand - -	105	789
Blue clay and shell mixed - - - -	40	829
Red and blue clay mixed - - - -	20	849
Rock - - - -	1	850
Blue clay- - - -	21	871
Clay, sand and shells mixed - - - -	29	900
Hard sand and shell rock - - - -	30	930
Blue clay and shell rock - - - -	35	965
Sand and shell mixed -	33	998
Blue clay- - - -	27	1025
Rock - - - -	2	1027
Blue clay and shell rock - - - -	28	1055
Hard sand and blue clay - - - -	19	1074
Blue clay- - - -	41	1115
Red and blue clay mixed - - - -	34	1149
Sand- - - -	6	1155
Red clay - - - -	40	1195
Sand - - - -	15	1210
Red clay - - - -	35	1245
Sand - - - -	30	1275
Red clay - - - -	40	1315
Sand - - - -	25	1340
Red clay - - - -	35	1375
Sand and sand rock -	15	1390
Sand rock- - - -	3	1393
Red clay - - - -	9	1402

Driller's log of well 141

Kenedy Pasture Company. Mestena well.		
Sand and shell - - -	200	200
Rock - - - -	50	250
Rock and shell in sand - - - -	50	300
Sand and shell - - -	40	340
Rock and shell - - -	30	370
Rock - - - -	10	380
Blue clay- - - -	20	400
Sand rock- - - -	15	415
Clay rock- - - -	15	430
Hard rock- - - -	10	440

(Continued on next page.)

Table of Drillers' Logs, Kenedy County -Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 141 -Continued</u>		
Blue clay in sand- - -	60	500
Sand and clay - - -	20	520
Rock in shell - - -	25	545
Blue sand and shell - -	25	570
Blue sandy clay - - -	15	585
Hard rock - - - - -	40	625
Rock and clay- - - -	25	650
Clay - - - - -	25	675
Rock in sand - - - -	10	685
Sand clay- - - - -	65	750
Clay - - - - -	25	775
Clay and sand- - - -	10	785
Rock and blue clay - -	35	820
Rock in sand - - - -	10	830
Blue clay- - - - -	20	850
Blue clay in rock- - -	25	875
Blue clay- - - - -	15	890
Blue and red clay- - -	150	1020
Red clay - - - - -	20	1040
Rock in water sand - -	5	1045
Black water sand		
under red sand - - -	20	1065
Hard rock and sand- - -	5	1070
Sand - - - - -	30	1100
Red clay - - - - -	80	1180
and - - - - -	10	1190
Sand clay - - - - -	60	1250
Sand - - - - -	35	1285

Driller's log of well 144

H. M. King Estate. Patricio well.		
Sand - - - - -	30	30
White clay - - - - -	40	70
Soft rock and white		
clay - - - - -	110	180
Red clay - - - - -	220	400
Water sand - - - - -	30	430
Red clay - - - - -	110	540
Water sand - - - - -	30	570
Red clay - - - - -	50	620
Water sand - - - - -	25	645
Red clay - - - - -	22	667
Water sand - - - - -	59	726

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 145</u>		
H. M. King Estate. Mangel well.		
First water sand - - -	--	420
Red clay - - - - -	150	570
Sand - - - - -	50	620
Red clay - - - - -	70	690
Good sand- - - - -	36	726

Driller's log of well 177

H. M. King Estate. Sergeant well.		
Clay - - - - -	12	12
Caliche - - - - -	10	22
Sand - - - - -	8	30
Gumbo- - - - -	4	34
Sand - - - - -	23	57
Gumbo- - - - -	82	139
Sand - - - - -	47	186
Gumbo- - - - -	87	273
Sand rock- - - - -	9	282
Sand - - - - -	7	289
Gumbo and boulders - -	51	340
Sand - - - - -	19	359
Sand rock- - - - -	11	370
Mud and sand - - - -	118	488
Sand rock- - - - -	41	529
Gumbo - - - - -	21	550
Sand rock- - - - -	13	563
Gumbo - - - - -	17	580
Sand rock - - - - -	21	601
Sand - - - - -	14	615
Gumbo - - - - -	30	645
Sand rock - - - - -	9	654
Sand - - - - -	22	676
Gumbo- - - - -	2	678
Sand rock- - - - -	3	681
Sand - - - - -	24	705
Sand rock- - - - -	6	711
Sand - - - - -	24	735
Gumbo- - - - -	28	763
Sand - - - - -	20	783
Gumbo- - - - -	21	804
Sand - - - - -	9	813
Gumbo- - - - -	41	854
Sand rock- - - - -	6	860

(Continued on next page.)

Table of Drillers' Logs, Kenedy County -Continued

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 177 -Continued</u>		
Gumbo - - - -	30	890
Sand - - - -	30	920
Gumbo - - - -	22	942
Sand - - - -	18	960

<u>Driller's log of well 188</u>		
H. M. King Estate. Banderitas well.		
Soil - - - -	4	4
Clay - - - -	9	13
Caliche - - - -	8	21
Gumbo - - - -	15	36
Sand - - - -	26	62
Gumbo - - - -	14	76
Sand - - - -	11	87
Gumbo - - - -	17	104
Sand - - - -	8	112
Gumbo - - - -	35	147
Mud and sand - - - -	45	192
Gumbo - - - -	45	237
Sand - - - -	17	254
Sand rock - - - -	5	259
Mud and shell - - - -	143	402
Gumbo and boulders - - - -	16	418
Sand - - - -	22	440
Sand rock - - - -	6	446
Mud and shell - - - -	56	502
Gumbo and boulders - - - -	38	540
Gumbo - - - -	40	580
Sand - - - -	13	593
Gumbo - - - -	41	634
Sand rock - - - -	8	642
Sand - - - -	6	648
Gumbo - - - -	6	654
Rock - - - -	2	656
Sand - - - -	3	659
Rock - - - -	5	664
Gumbo - - - -	8	672
Sand - - - -	12	684
Sand rock - - - -	8	692
Gumbo - - - -	52	744
Sand - - - -	23	767
Rock - - - -	1	768
Sand - - - -	16	784
Rock - - - -	1	785
Sand - - - -	11	796
Gumbo - - - -	7	803
Sand rock - - - -	5	808
Sand - - - -	88	896
Sand rock - - - -	14	910
Gumbo - - - -	32	942
Sand rock - - - -	11	953

	Thickness (feet)	Depth (feet)
<u>Driller's log of well 188 -Continued</u>		
Gumbo - - - -	101	1054
Sand rock - - - -	12	1066
Gumbo - - - -	14	1080
Sand rock - - - -	12	1092
Gumbo - - - -	18	1110
Cap rock - - - -	8	1118
Sand - - - -	28	1146

<u>Driller's log of well 194</u>		
H. M. King Estate. Concha well.		
Soil - - - -	4	4
Clay - - - -	8	12
Caliche - - - -	8	20
Sand - - - -	3	23
Gumbo - - - -	17	40
Sand - - - -	23	63
Sand rock - - - -	6	69
Gumbo - - - -	91	160
Sand - - - -	11	171
Gumbo - - - -	49	220
Sand rock - - - -	20	240
Gumbo - - - -	30	270
Sand rock - - - -	14	284
Sand - - - -	32	316
Sand rock - - - -	16	332
Gumbo - - - -	44	376
Gravel - - - -	4	380
Gumbo - - - -	16	396
Mud and shell - - - -	120	516
Gumbo and boulders - - - -	38	554
Sand rock - - - -	22	576
Sand - - - -	12	588
Gumbo - - - -	42	630
Sand rock - - - -	22	652
Sand - - - -	22	674
Sand rock - - - -	22	696
Gumbo - - - -	67	763
Sand rock - - - -	28	791
Sand - - - -	23	814
Sand rock - - - -	12	826
Gumbo - - - -	44	870
Sand - - - -	20	890

<u>Driller's log of well 198</u>		
H. M. King Estate. San Salvador well.		
Soil - - - -	12	12
Caliche - - - -	9	21
Gumbo - - - -	8	29

(Continued on next page.)

Table of Drillers' Logs, Kenedy County -Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 198 -Continued		
Sand - - - -	11	40
Gumbo- - - -	12	52
Sand - - - -	16	68
Gumbo- - - -	116	184
Gravel - - - -	5	189
Gumbo- - - -	105	294
Sand - - - -	27	321
Gumbo- - - -	43	364
Sand - - - -	11	375
Gumbo- - - -	34	409
Mud and sand - - - -	23	432
Gumbo- - - -	29	461
Boulders - - - -	35	496
Gumbo- - - -	34	530
Sand rock- - - -	11	541
Sand- - - -	13	554
Gumbo- - - -	38	592

	Thickness (feet)	Depth (feet)
Driller's log of well 198 -Continued		
Sand rock-- - - -	12	604
Sand - - - -	4	608
Gumbo- - - -	93	701
Sand rock-- - - -	5	706
Sand - - - -	14	720
Sand rock- - - -	14	734
Gumbo- - - -	9	743
Sand rock- - - -	28	771
Gumbo- - - -	83	854
Sand rock- - - -	19	873
Sand - - - -	17	890
Gumbo- - - -	21	911
Sand rock- - - -	23	934
Gumbo- - - -	64	998
Sand rock- - - -	12	1010
Sand - - - -	20	1030
Gumbo- - - -	11	1041
Sand - - - -	21	1062

Analyses of water from wells in Kenedy County, Texas

Well No.	Owner	Date of collection	Total dissolved solids	Silica (SiO ₂)	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)
5	McGill Bros.	Apr. 14, 1933	782	25	0.17	31	12
7	do.	May 8, 1933	a/ 514	--	.24	15	9.0
25	Andres Turcotte	Mar. 3, 1913	a/ 980	--	0	--	--
29	Missouri Pacific Railroad	do.	a/1,300	--	0	--	--
64	Kenedy Pasture Co.	do.	a/ 950	--	0	--	--
71	do.	do.	a/1,000	--	0	--	--
73	do.	do.	a/1,200	--	0	--	--
117	do.	Apr. 5, 1933	a/1,030	--	--	9.0	3.1
121	do.	Apr. 4, 1933	a/2,687	--	--	d/52	--
135	do.	Apr. 7, 1933	1,892	23	.19	21	6.3
161	Armstrong Ranch Co.	Mar. 3, 1913	a/1,200	--	0	--	--
163	do.	do.	a/1,200	--	0	--	--
164	do.	do.	a/1,300	--	0	--	--
165	do.	do.	a/1,900	--	1.4	--	--
169	Missouri Pacific Railroad	do.	a/1,100	--	0	--	--
171	do.	Apr. 18, 1933	1,106	30	.26	12	4.4
172	Armstrong Ranch Co.	Mar. 3, 1913	a/1,200	--	0	--	--
173	do.	do.	a/1,200	--	0	--	--
174	do.	do.	a/1,300	--	0	--	--
175	do.	do.	a/1,500	--	0	--	--
176	do.	Mar. 22, 1913	a/1,380	--	.2	12	5.0
176	do.	Mar. 19, 1933	1,412	22	.20	12	4.2
177	H. M. King Estate	Apr. 23, 1933	a/1,342	--	--	17	7.5
218	do.	Apr. 26, 1933	1,586	22	.21	12	4.4
248	do.	Apr. 27, 1933	2,494	25	.26	38	15

a/Calculated.

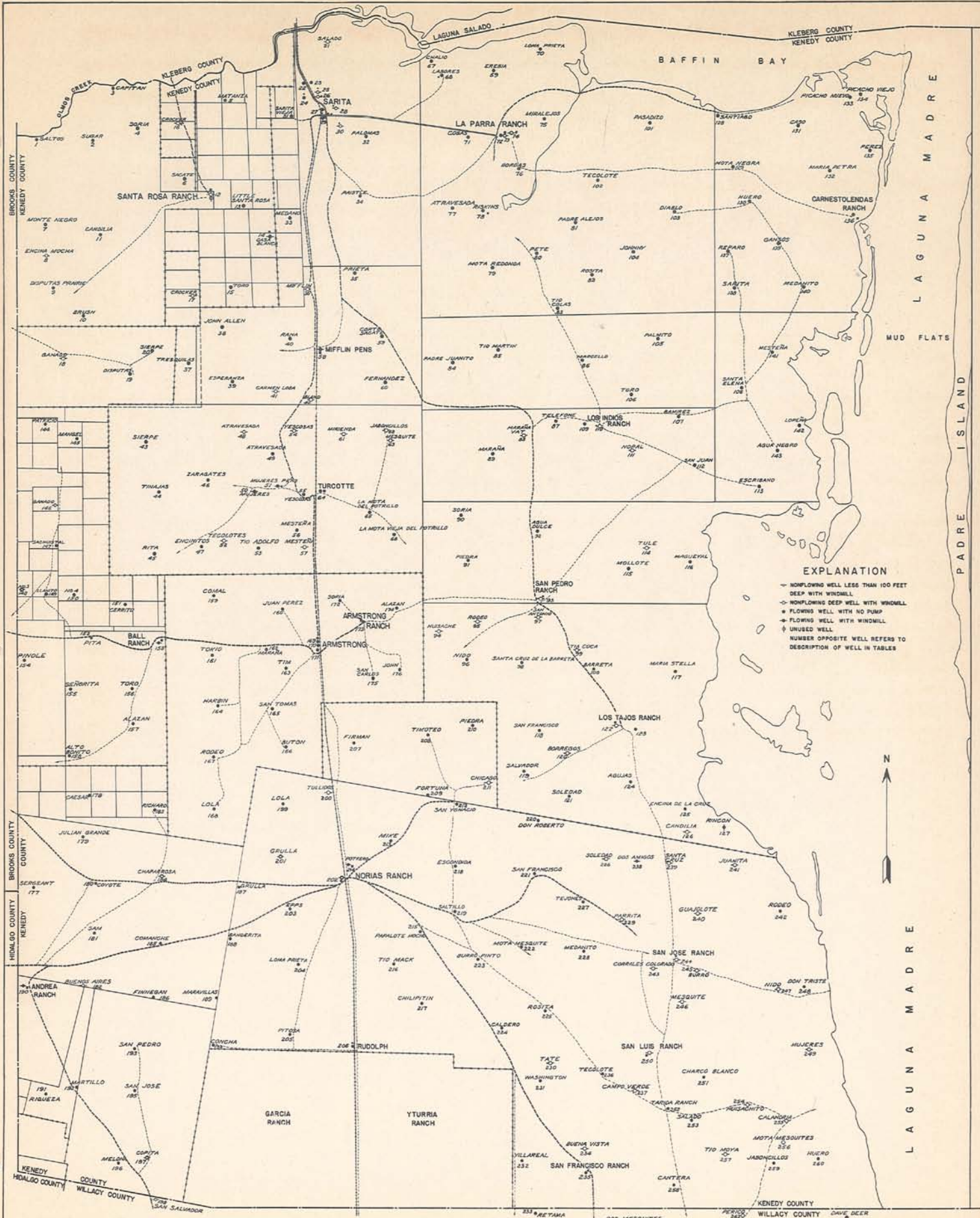
b/Determined.

(Parts per million. Well numbers correspond to numbers in table of records of wells)

Well No.	Sodium (Na)	Potassium (K)	Bicarbonate (HCO ₃)	Sulphate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.)	Analyst
5	232	13	332	135	140	2.8	127	Margaret D. Foster
7	a/180		304	72	100	0	74	do.
25	a/340		335	265	168	--	b/106	W. T. Read c/
29	a/440		217	431	272	--	b/122	do.
64	a/370		266	202	244	--	b/ 36	do.
71	a/350		293	238	232	--	b/114	do.
73	a/430		270	344	284	--	b/126	do.
117	a/389		234	208	335	.40	35	Margaret D. Foster
121	a/852		194	1,267	470	--	b/288	do.
135	652	12	172	501	605	.50	80	do.
161	a/430		183	344	300	--	b/ 76	W. T. Read c/
163	a/430		232	328	272	--	b/ 54	do.
164	a/470		212	362	312	--	b/ 50	do.
165	a/240		106	810	376	--	b/990	do.
169	a/400		251	276	264	--	b/ 62	do.
171	373	12	244	279	275	.25	48	Margaret D. Foster
172	a/470		309	313	280	--	b/ 36	W. T. Read c/
173	a/460		275	313	292	--	b/ 48	do.
174	a/470		261	328	320	--	b/ 64	do.
175	a/560		280	431	340	--	b/ 40	do.
176	a/494		251	425	336	--	42	do.
176	486	11	264	413	335	.25	47	Margaret D. Foster
177	a/467		156	513	302	.50	73	do.
218	542	10	262	527	340	.40	48	do.
248	820	16	224	816	320	.60	156	do.

c/Sample collected by David Donoghue under the supervision of Alex. Deussen.

d/By turbidity.



EXPLANATION

- NONFLOWING WELL LESS THAN 100 FEET
- DEEP WITH WINDMILL
- NONFLOWING DEEP WELL WITH WINDMILL
- FLOWING WELL WITH NO PUMP
- FLOWING WELL WITH WINDMILL
- UNUSED WELL

NUMBER OPPOSITE WELL REFERS TO DESCRIPTION OF WELL IN TABLES



**MAP OF KENEDY COUNTY, TEXAS
SHOWING LOCATION OF WATER WELLS**

SCALE 1" = 2000 VARAS



BASE COMPILED FROM MAPS OF U. S. WAR DEPARTMENT, U. S. GEOLOGICAL SURVEY, MISSOURI PACIFIC RAILWAY, COUNTY SURVEYOR AND FROM FIELD NOTES.

U. S. GEOLOGICAL SURVEY AND TEXAS BOARD OF WATER ENGINEERS
FIELD WORK BY SAMUEL F. TURNER