## KENEDY COUNTY, TEXAS

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

## TEXAS STATE BOARD OF "ATER ENGINEERS

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

KENEDY COUNTY, TITIAS

\* \* \*

Introduction
by
Valter W. White
Senior Hydraulic Engineer

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 "ashington. 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 conjuted 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

		Records of well	s in Kenedy Co	unty,	Texas			
							Vater-bea	aring bed
Well	Distance	Owner	Driller	Date	Depth	Diam-	Depth	Thick-
Nc.	from			com-	of	eter	to top	ness of
	Sarita			ple-	well	of	of bed	bed
				ted	(ft.)	well	(ft.)	(ft.)
					ζ- ,	(in.)		
1	112 miles west	McGill Bros,	E	74.61	600+	5-		
_	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				_	3/16		
2	9 miles west	do.	<u> </u>	1907	600+	6		+
	D INTEC B WOOD	as.		1000	30.00	Ĭ	1	1
3	82 miles west	dc.	+	old	625±	5-		+=
Ü	og miron wobu	ac.		014	020_	3/16		
						0/10		1
1	7 miles west	dr.	O. N. Boone	1927	655	 8		ļ
7	15 miles Mesc	uc,	O. r. Scorre	1961	090	٥		
-/	A • 7		1	1300	- AFA		-	
<u>e/</u> 5	4 miles west	do.	W. M. Gano	1909	670	5-		
						3/16		ļ
6	6 miles west	do.		01d	640	6		
	southwest							
e/ 7	12 miles west	do.	Clete Stupes	1914	630	5-		
	southwest					3/16		
8	$12\frac{1}{2}$ miles west	do.	O. M. Boone	1927	740	5-		
	southwest					3/16		
9	do.	do.		Old	680	5-		
						3/16		
			<u> </u>					
10	12호 miles	do.		1908		4		
	southwest							
11	10 miles west	do.	O. J. Brone	1927	650	7		
	southwest							
								1
						}		
12	$5\frac{1}{2}$ miles	dc,		Öld	670	7	† <u></u> -	
	southwest	-						
1.3	4½ miles	do.		018	625	5-		<u>-</u>
	southwest	•				3/16	1	
14	5 miles south	do.		01 <u>d</u>	525+	5-	†- <u></u> -	** *** *** ***************************
* *	southwest	•		" "		3/16		
TE	$7\frac{1}{2}$ miles south	do.	O. M. Boone	1927	640	5-		+
7.0	southwest	uo.	O. M. DOCTO	3.021	040	3/16		
	2 GOTTMAR					1 2/10		
1.0	5 miles west	F. E.	Zimmerman	1910	670	5-		
7.0	o⊆ miles mesc		Limmerman	1 1910	0/0			
		Crocker, Est.	155 5 7	1 303 =		3/16		
17	8호 miles	M. L. Crocker	W. P. Gano	1910	700	5-		
/	southwest			<u></u>	<u> </u>	3/16		1
a/W,	windmill.							

a/W, windmill.  $\overline{b}$ /S, stock; D, domestic; N, not used; R.R. railroad locomotives; I, irrigation.  $\overline{c}$ /Hardness as calcium carbonate determined by the soap method.

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

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,

		All wells	are dr	illed ι				ted in remarks,
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Water	level			Fin	id lest	S	
Lell	Depth	Date of	Method	Use	parts	per mil	lion	
No.	below top	measure-	of	of	Chle-	Hard-	Sul-	Remarks
	of casing		lift	water	ride	nesz	phate	
	(feet)	1933	a./	<u>b</u> /		9/	<u>d</u> /	
	( /		<u> </u>	27		37	کمیا	
1		April 14	Flow	S	120	75	140	Saltos well, Measured yield,
-				_	1			14,0 gallons a minute.* Tem-
2		do.	Flow	S	130	130	80	Sugar well. perature 34° F.
~					1	100		
3	700 800	do.	Flew	s	140	110	1.50	Measured yield, 6.3 gallons a Capitan well. Neas- minute:
Ŭ		""	1 10		1 -1	110	100	ured yield, 9.5 gallons a
								minute* Temperature 8320 F.
4		do.	Flow	S	140	110	160	Soria well. Casing: 8-inch
-1:		uo.	T. T.C.M.		1.47	110,	7.00	to 400 feet from surface, 5-
					•			3/16-inch to bottom. Meas-
	1				İ			ured vield, 8,8 gallons a
		<u> </u>			1		7.00	minute.* Temperature 83½ F.
5		d∩.	Flow	S	160	140	160	Matanza well. Measured yield,
								28.4 gallons a minute.* Tem-
6		do.	Fl∩₩	S	130	110	170	Sacate well, perature 84 F.
								Heasured yield, 8.0 gallons a
								minute.* Temperature 84° F.
7		do.	Flow	S	110	110	60	Monte Negro well. Estimated
								vield, 5 gallons a minute.*
3			W	S	130	100	30	Encina Mocha well. Casing:
					<u> </u>		<u> </u>	4 <sup>1</sup> -inch from 640 feet to
9		April 14	Flow	S	110	85	60	Disputas Prairie bottom.
					i i	•		well. Estimated yield, 5 gal-
					1		1	lons a minute.* Temperature
10		do.	Flow	S	130	75	60	Brush well. Estimat- 84° F.
						, !	•	ed yield, 2 gallons a minute*
11		do.	Flow	S	110	110	60	Candilia well, Casing: 7-
				l			į	inch to 400 feet from surface,
			]				į.	5-3/16-inch to bottom. Meas-
			1					ured yield, 6,2 gallons a
							l Į	minute.* Temperature 84° F.
12			17.	D,S	260	140	240	Santa Rosa Twins. One well
				","				nct used.
13		April 14	Flow	S	160	75	100	Little Santa Rosa well.
								Estimated yield, 2 gallons a
14			ŢŖF	S	170	65	160	Has small flow when minute:
F J.			Flow		1 110		100	windmill is shut off. Tem-
15	<del> </del>	April 14		s	200	110	120	Toro well. perature $83\frac{10}{2}$ F.
10		177177 77	TIOM		1 200	1 1111	1 160	Tatimated viola 4 mallana
		į					Ì	Estimated yield, 4 gallons a
7 7			757	<del>  </del>	1 7 50		<del>-</del>	minute,*
16			V:	D,S	150	110	T 60	Casing: 4;-inch and 3;-inch.
			<u> </u>	<del></del>	1 300			0.22
17			ŢŢ	D,S	180	100	150	Small flow when completed.
- 17		!	<u></u>	<del></del> _	1	L	<u>L</u>	

Taylor, T. U., Undergr and water, of Coastal Plain of Tous W. S. Geol, Survey, Water-Supply Paper 100, 1007,

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

		Records of well	. =-5 - s in Kenedy Co	untv -	-Contir	nued		
Well No.	Di stance	Owner	Driller		Depth of	Diem- eter of	Nater-bea Depth to top of bed (ft.)	ring bed Thick- ness of bed (ft.)
18	ll miles southwest	D. J. Sullivan				4		
19	12 miles southwest	do.	Brown		725±			
20	14 miles southwest	do.	Perry Downs		750			vp 20
21	$\frac{2\frac{1}{2}}{2}$ miles north	Ed. Turcotte	PR		29	60		
22	ੀ miles north northwest	Arthur East	me me			6- 3/4		
23	$1\frac{1}{2}$ miles north	do.	Pal nee	P 100-100-100-100-100-100-100-100-100-100		5- 3/16		
24	l mile north- west	do.	ent des provinces de la composition della compos			7	que ded	
e/ 25	3/4 mile north	Andres Turcotte	Gano Bros.	1904	708	24		
26	mile north	Arthur East	gen des			8		
27	Sarita	Kènedy Pasture Cc.	Chester Downs	1930	685	5 <b>-</b> 3/16	650	28
28	½ mile east	Arthur East	and the			7		
e/ 29	Sarita	Mo. Pac. R. R.	W, P. Gano	Old	803	5- 3/16		
30	l mile south- east	Mary Patterson				6		
31	l mile west	Kenedy Pasture Co.		Old		6 <b>-</b> 3/4		
32	2 miles southwest	de.		Old	-	3/4 6- 3/4		
33	4 miles south southwest	do.		Old		5 <b>-</b> 3/16		1000 0000
34	3½ miles south southeast	do.	Vm. Tarcotte	013	710	5- 3/16		
<u>e/ 35</u>	6 miles south	do.					100 100	
36	$6\frac{1}{2}$ miles south	do.	delle silve vale solvestille. Ped verdenne vorsennesse enset da riv o v		50	5- 3/16		

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All wells are drilled unless otherwise stated in remarks.

			are dri	iled v				ited in remarks.
	Water				f .	ld test		
11		Date of	Method	3	parts p			
	below top	measure-	of of	of	Chlo-	Hard-	Sul-	Remarks
	of casing	ment	lift	water	ride	ness	phate	
	(faet)	1933	8/	b/	1	c/	đ,	
:				.:				
13	2.4	Harch 23	W	S	170	170		On Mariposa ranch, known as
				_				Ganodo well. Temperature 83°
19		do.	Flow	<u> </u>	190	70		On Mariposa ranch, known F.
10	-	ao.	PIOW	~	100	10		as Disputas well. Measured
							-	
				<u> </u>				yield, 25 gallons a minute.*
20		do.	Flow	S	160	80		Cn Temperature 862 F.
				<u> </u>				Faciposa ranch, known as
21	18.0	April 1	ŢŢ	\$	1,500	750		Jug wells, Sierpe well.
						ļ		known as Salado Twins. Tem-
22		do.	Flow	S	210	110		Vnoym as perature 74° F.
								Potrero Morte well. Measured
	<b>1</b>					1	1	yield, 3.6 gallons a minute;
23		do.	Flow	D,S	180	136	+	Known as Temperature 85° F,
ಎಲ		1	* TOW	ال و لا	1 2000	1 507	1	Jardin well. Estimated
						1		1
					73.	·		yield, 1.0 gallons a minute;
24		do.	Flow	D,S	320	150	300	Estimated yield, 1 gallon a
					i			minute,*
25	3.5	do.	V	D,S	180	130		Reported flow, (Mar. 1913),5
							ĺ	gallons a minute. Tempera-
		-					İ	ture 84° F. Formerly used
26	7.5	do.	W	D,S	670	157		for irrigation. g
27		do.	Flow	D,S	180	100	100 000	Sarita town supply and cotton
	1		T					gin well. Estimated yield,
28	16.2	do.	W	D,S	180	110	<del> </del>	l gallon a minute;
~ ~ ~			,,	,,,		1		
35		do.	Flow	R.R.D	290	130		Reported flow (prior to 1907,
		•	M		200			350 gallens a minute f.
			, ,					
30	5.4	do.	W	D,S	370	130	ļ <del></del>	Estimated yield, 5 gallons a Reported flow, minute*
ران	J. 4	uo.	**	D,0	310	1 100		
		1		1		1		(Mar, 1913), 75 gallens a
				<u></u>	<u> </u>	<b></b>		minute, temperature 87° F.g/
31		March 31	Flow	S	190	110		Sarita Vieja well. Measured
				L	<u>L</u> .	L .		vield, 5.9 gallons a minute.*
32	***	April 1	Flow	S	210	110	150	Palomas Temperature 84° F.
		-						well, Measured yield, 32
						1	-	gallons a minute, * Temperature
33	<del> </del>	do.	Flow	S	320	100	150	Medano well, Mea- 86 F.
UU		1 40.	1 1 UW		020	1 1	1 100	remain worr, nat jung f.
		1				1	İ	sured yield, 4.3 gallons a
	<del> </del>		TP3	s	200	1-300	<del> </del>	minute.* Temperature 86° F. Reported flow (prior to 1907)
34		do.	Flow	1 0	200	120	1 100	Reported How (prior to 1907)
			1		1			1,000 gallons a minute $f/$ .
					1		Ì	Measured yield, 14 gallons a
				<u>L.</u>	-			minute * Temperature 86° F.
35		do.	Flcw	S	2 50	60	100	Prieta well, Paistle well
								Measured yield, 8.8 gallons
		1	1			İ	i	a minute.* Temperature 85 F.
36	30	do.	Vi	S	190	13,200	900	Mifflin windmill well. Tem-
		1				, ,		perature 75° F.
	4	<del></del>	L	<del></del>	d_,			The second secon

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		Records of well	ls in Kenedy Co	inty .	-Contir	nued	***	
well No.	Distance from Sarita	Owner	Driller	com-	Depth of well (ft.)		Depth to top of bed (ft.)	Thick- ness of bed (ft.)
37	ll miles southwest	Kenedy Pasture Co.	O. F. Boone	1927	932	4- 1/4	830	100
38	9 miles south- west	do.	Wm, Turcotte	01d	700	5- 3/16	de se	
~39	11 miles south scuthwest	dc.	do.	01d	747	5- 3/16		
40	8호 miles south	do.	O. M. Boone	1927	929	1/4	845	80
41	11 miles south	do.	P. Christensen		1,110	5 <b>-</b> 3/16	1,090	20
42	do.	do.	AND THE REAL PROPERTY OF THE PROPERTY OF THE REAL PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY O		80	5- 3/16	40 NO	
43	14 miles southwest	do.	Ym. 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.

		1 2222	are ur.	1	7	ld test		toed in remarks.
17	Water		) )	77				
w.gll			Method	1	parts			_
٠٠٠٠	below top	3	of	of	Chle	1		Remarks
	of casing	5	lift	water	ride	กอธธ	phate	
	(foot)	1933	a/	b/		1 - 2	₫/	
						_		
37		April 3	Flow	S	30.Ô	180	300	Tresquillas well, Casing: 61
			Í			ĺ		feet of 6-5/8-inch, 819 feet
					! !	į		of $4^{\frac{1}{2}}$ -inch, 163 feet of $3^{\frac{1}{2}}$ -
			•	ļ	! 	<u> </u>		inch with 50-foot lap and 40
	1							-
								feet perforated. Double
		Value		•	ļ			cased from surface to 61
E		L	<del></del>	<u></u>				feet, Estimated yield, 6
38		de,	Flow	S	160	70	80	John Allen gallons a minute.
				ļ				well, also known as Barrosas
	<u> </u>							well, Reported flow (prior
								to 1907) 500 gallons a min-
		į						ute $f/$ . Measured yield, 8.6
		İ		Ì				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/.
				į				Heasured yield, 6.7 gallons
								s minute* Tornorsture 85° T
40		do,	Flow	s	220	60	200	a minutc* Temperature 85° F.
#11		uo.	DICM		చచ\'	00	200	Rana well. Casing: 50 feet
								of 6-5/8-inch, 925 feet of
								42-inch with 45 feet per-
		İ						forated casing at bottom.
	***							Double cased from surface to
								50 feet. Measured yield,21
								gallons a minute* Tempera-
41			ŢĬ	S	44.7	240	800	· • • • • • • • • • • • • • • • • • • •
				İ				well. Casing: 580 feet of
								5-3/16-inch and 780 feet of
								$4^{\pm}$ -inch with 35 feet per-
	1							forated at bottom, Formerly
42			W	s	140	340	150	Bland well, had a flow.
	1							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	Š	260	70	300	
7.1	•	uo.	T. T. 110	5	200	70	500	
								well. Casing: 65 feet of 8-
	<b>5</b>			ł				inch, 667 feet of 5-3/16-
	i 1 1							inch, 182 feet of $4\frac{1}{4}$ -inch,
	1							and 140 feet of $3\frac{1}{4}$ -inch.
	7							Double cased from surface to
								65 feet. Had small flow at
								885 feet, shot at 839 feet
								and larger flow obtained.
								Measured vield, 2.8 gallens
								a minute. Temperature 350 F.
-				<b></b> .	L			Company of the Compan

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		Records of well	s in Kenedy Co	unty .	-Conti			entangensy seriminy diponential information
		_						ring bed
Well	Distance	Owner	Driller	i		Diam-		Thick-
No.	from			com	of	eter	to top	ness of
	Sari ta				well	of	of bed	bed
				ted	(ft.)	well (in.)	(ft,)	(ft.)
45	18 miles south southwest	Kenedy Pasture Co.	C. M. Boone	1927	834	4- 1/4	735	90
on an additional control								
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	$12\frac{1}{2}$ miles south	do.	(il Company	Old	860	5- 3/16	700	20
49	13 miles south	de.	Gufley & Calpy	Old	720	5- 3/16	-	
50	15 miles south	do.	Wm. Turcolte	01d	660	7		
51	$14\frac{1}{2}$ miles south	do.	Chester Downs	1930	852	5 <b>-</b> 3/16		
52	17 miles south	do.			60	5- 3/16		
53	17 miles south	do.	O. M. Boone	1927	887	1/4	795	100 950
54	12 miles south	do.		AND AND	£0	5- 3/16		

All wells are drilled unless otherwise stated in remarks,

			are dr	тттес .				ated in remarks,
	Water				1	ld test		
W 311	Depth	Date of	Method	Use	parts	per mil	lion	
No.	below top	measure-	of	of		Ha d-		Remarks
	of casing		lift	ł	ride	1 .	phate	
	(feet)	1933	a/		1-40	1 /	, ,	
	(2000)	1.000	2 2 /	<u>b</u> /	1	<u>c</u> /	<u>d</u> /	
45		April 3	Flow	s	250	45	200	Rita well, Casing: 60 feet
10		110111	1 70.00		20.1	10.	2007	ne c c /o inch and oza cost
					İ			of 6-5/8-inch and 834 feet
								of 41-inch, 43 feet perforat-
						!		ed at bottom, Double cased
				ĺ				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 gal-
								lons a minute f/. Measured
								yield, lo rallons a minute.
47		do.	Flow	S	35∩	55	400	Encinitos Temperature 85° F.
								well. Casing: 60 feet of 6-
								$5/8$ -inch, 854 feet of $4\frac{1}{4}$ -
								inch with 40 feet perforated
								at bottom. Double cased from
				ł				surface to 60 feet, Measured
48			V;	S	370	60	600	yield, 12 gallons a minute.* Atravesada   Temperature 87°F.
Ψ.Ο			**	J 5	370	00	1500	
49		April 3	W	S	300		- 200	well, 4 miles northwest of
49		April 3	AA.	٥	500	40	600	Atravesada well. Turcotte.
								Reported flow (prior to 1907)
								500 gallons a minute f/.
						į		Measured yield, 24 gallons a
								minute.* Temperature 8520 F.
50		do,	Flow	S	250	65	400	Mujeres well. Reported flow
			W			* !		(prior to 1907) 400 gallons a
					ļ	;		minute f/. Measured yield,
						]		16 gallens a minute! Tempera-
51		do.	Flow	S	240	35	400	Pens Mujeres ture 85 <sup>5</sup> F.
			W		i			well, Casing: 494 feet of
								$5-3/16$ -inch, 380 feet of $4\frac{1}{4}$ -
								inch and 40 feet of $4\frac{1}{4}$ -inch
				ĺ				strainer with 22-fcot lap.
								Reasured yield, 22 gallons a
								minute.* Temperature 852° F.
52	10.12		777	3	530	360	3.50	Tecolotes well, Temperature
بالان			,	٥	000	900	150	73° F.
53		April 3	T/3	<u>s</u>	0.70	040	77.00	1
ອອ		April 3	Flow	ರಿ	270	240	300	Tic Adolfo well, Casing: 60
								feet of 6-5/8-inch and 850
								feet of 4 inch with 2 joints
								perforated. Double cased
								from surface to 60 feet.
								Measured vield, 25 gallons a
								minute.* Temperature 87° F.
54	·11.8	April 4	77	S	850	480	300	Yoscosas well, 2 miles north-
		_						west of Turcotto. Tempera-
							:	turo 75° F.
~	L		<u> </u>	L	L	انها سنستسموه و مسا	L	The state of the s

r_ 7 7	To a section	<b>^</b>	T)	T)	D		Vater-bea	
ell c.	Distance from	Owner	Driller	Date com-	Depth of	Diam- eter	Depth to top	Thick- ness of
	Sarita				well	of	of bed	bed
				ted	(ft.)	well (in.)	(ft.)	(ft.)
55	14호 miles south	Kenedy Pasture Cc.	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	dc.				5 <del>-</del> 3/16		
58	9 miles south	do.			740			
59	do.	do.	Wm, Turcette	Old.	751			**
60	10½ miles south	do,	do.	1926	870	5 <b>-</b> 3/16	825	35
61	12 miles south	do.	tar con		27	5 <b>-</b> 3/16		
62	$12\frac{1}{2}$ miles	dc.	dia ess		13	72		
63	south 13 miles south	do.			29	5- 3/16	- A- A-	
64	$14\frac{1}{2}$ miles south	do.	Wm. Turcotte	01d	787	6- 5/8		
				Minimum en en en en en en en en en en en en en				

All wells are drilled unless otherwise stated in remarks.

			are ur.	rrrea				ated in remarks.
	Water	<del></del>			Pie	ld test	្ន	
-17	Depth	Date of	Method	Use	parts	per mil	llion	
•	below top	measure-	of	of	Chlo-	Hard-	Sul-	Remarks
	of casing	ment	lift	water	i	ness	phate.	
	(feet)	1933	8/			• ,	•	
	(1000)	1300	.9	<u>b</u> /		⊴⁄	₫⁄	
55		A	T31	S	700	ļ		A CONTRACTOR OF THE PROPERTY O
53		April 3	Flow	1 5	320	55	500	Yescosas well, Casing: 40
								feet of 6-inch, 585 feet of
				1	1			5-3/16-inch and 284 feet of
				!				4-inch with 27-foct lap, 37
								feet perforated, and 8 feet
			ĺ	ł				uncased hole. Double cased
	}							from surface to 40 feet.
	-							
		į						Measured yield, 14 gallons a
56		A	772					minute.* Temperature 85° F.
99		April 4	Flew	S	290	20	200	Mestena well. Casing: 62
					1	1	•	feet of 5-3/16-inch, 760 feet
			•			i		of $4$ -inch, 60 feet of $3\frac{1}{4}$ -
				Ì		i į	f .	inch with 22-foot lap and 36
				ļ				feet perforated. Double
								cased from surface to 62 feet,
		ĺ		1	<b>f</b>	ì		
			İ	ļ				Measured yield, 6.0 gallons a
57	7 7		<u> </u>	<u> </u>	<u> </u>			minute* Temperature 852 F.
51	7,3	do.		S	2 2			Mestena well. Windmill
								broken, could not obtain
58		April 3	Flow	D,S	230	70	200	Hifflin well. water sample.
			.,	•		1		Reported flow (prior to 1907)
				•		<u> </u>		450 gallons a minute f/. Now
			<u> </u>					flows through 2-inch pipe.
				į				
			1	,				Measured vield, 8.6 gallons
59		1 2 2 6	733		400	7.50		a minute* Temperature 85° 1.
อฮ		April 6	Flow	S	400	120	150	Corte Sacate well. Reported
			ł					flow (prior to 1907) 400 gal-
								lons a minute f/. Measured
								yield, 6.4 gallons a minute*
60		do.	Flow	S	290	120	200	Fernandoz Temperature 84° F.
			•					well, Casing: 755 feet of
								5-3/16-inch and 128 feet of
								4-inch with 75-foot lap.
	'  -							
			-	•				Measured yield, 9.3 gallens
	777			ļ- <u>-</u> -				a minute. Temperature 85° F.
61	11,1	April 4	₩.	S	550	420	200	Mirianda well, 2½ miles
								northeast of Turcotte,
62	5.0	do.	W	S	550	550	250	Jaboncillos well. Dug well,
	<u></u>							6 feet square. Temperature
63	15.0	do.	7.7	S	2,100	1.500	1,000	6 feet square, Temperature Mesquite well. Sup- 74° F.
	-	_			,	, _ ,	_ , ` ` '	plies canals and dipping
		į		[				Pries danais and dipping
64		do.	Flow	\$	10/200	EA		vats. Temperature 73° F.
O'±		uo.	LICA	٥	h/270	50	250	Turcotto well. Casing: 425
						, J 3		feet of 6-5/8-inch, 247 feet
								of $5-3/16$ -inch and 258 feet
ł						! }		of $4\frac{1}{4}$ -inch. Reported flow
								(prior to 1907) 800 gallons a
			}			]		minute g/. Reported flow
								(Mar. 1913) 100 gallons a.
								minute Momentus 000 E =/
İ			•		!	!		minute. Temperature 87° F.g/
				 				Measured yield, 3.7 gallons
		<u> </u>				1	L	a minute. Temperature 85° F.

- 13 - Records of wells in Kenedy County -Continued

		Records of Well	s in Kenedy our	T -	-0011017	Tuesa V	later-bea	ring bed
Well No.	Distance from Sarita	Owner	Driller	Date com- ple- ted	of	Diam- eter of well		Thick- ness of bed (ft.)
65	$15\frac{1}{2}$ miles south	Kenedy Pasture Co.	Wm. Turcotte	1927	€68	(in.) 4- 1/4	794	70
66	16½ miles south	do	annegagen kan an an an an an an an an an an an an a			4- 1/4		
67	$\frac{4^{\frac{1}{2}} \text{ miles}}{\text{northeast}}$	do.						
68	5 miles east northeast	do.				5- 3/16		way and
69	7 miles east northeast	do.	Wm. Turcotte	Cld	920	5- 3/16		
70	9 miles east northeast	do.	do.	Old				
e/ 71	6 miles east	do.	do.	Old	737	ala Pro		
72	7 miles east	do.	do.	Old	890	5- 3/16		
e/ 73	7 miles east	do.	do,	Ola	825	4- 1/4		
74	7½ miles east	do.	P. Christensen	1930	840	5- 3/16	745	87
7.5	$58\frac{1}{2}$ miles east	do.	Vm. Turcotte	Old	862			
76	8 miles east southeast	do.	do.	Old	862	4- 1/4		

- 14 -

	A TT-1-	ll wells	are dri	lled u				ted in remarks.
Well	Water		155-21	TT _	E .	old test		
1	Depth	Date of	Method	Use		per mil		
1,1°	below top		1	of	Chlo-	Hard-	Sul-	Remarks
	of casing	men t	lift	water	ride	ness	phate	
	(feet)	1933	<u>e</u> /	<u>b</u> /		<u>o</u> /	<u>d</u> /	
35		April 4	Flow	S	330	55	200	Potrillo well. Casing: 23
		***** *	1.10		000		2007	rotritto well. Casing: 25
								fect of $5-3/16$ -inch and 868
						1		feet of 41-inch. Measured
					L	L		yield, 22 gallons a minute. Potrillo Temperature 87° I
66		do.	Flow	S	360	50	200	Potrillo Temperature 87° I
						!		Viejo well, $3\frac{1}{2}$ miles south-
				1				east of Turcotte. Measured
						!	İ	yield, 10 gallons a minute.
67		April 1	Flow	S	230	130	250	Chalio Temperature 86° I
			1 2 3 11	~		100	200	well. Measured yield, 18
			1	1			1	
- 60			+ +	ļ <del></del> _		··		gallons a minute * Tempera-
68		do.	Flcw	S	290	100	300	Labores well. ture $85^{10}_{\Xi}$
						İ	1	Reasured yield, 9,0 gallons
								a minute * Temperature 85
69		April 8	Flow	S	800	270	500	Erebia well, Reported flow
1								(prior to 1907) 350 gallons
								a minute f/. Measured viel
							1	30 gallons a minute.* Tem-
70		April 7	Flow	s	480	140	250	Loma Prieta perature 88° 1
, ,			1	~	1	1 - 20	200	well, Measured yield, 58
ļ								gollong a minute * Tompore
71		April 1	Flow	S	250	110	200	gallons a minute.* Tempera Cobas or Tunas ture 88°
11	- 10	whilt r	LICA	٥	250	110	200	Cobas or lunas ture 88
1								well. Reported flow (Mar.
İ								1913) 50 gallons a minute.
							Ì	Temperature 86° g/. Report
								filew (prior to 1907) 60 ga
						]		lons a minute f/. Measure
								yield, 7.5 gallons a minut
72	···		Flow	D,S,I	290	110	400	La Parra Temperature 85
				}			ļ	well, Reported flow (prio
							1	tc 1907) 600 gallons a min
								ute. Now flows into sunker
				]				storage tank from which wat
				1			l	is pumped to elevated tank
							}	30 h.p. fuel oil engine.
73		un des	T VI	D,S,I	310	170	400	La Parra well. Reported
, -			"	,,,,	010	1 10	100	flow (prior to 1907) 150 g
			1			1		
7/		_	V:	T ===	330			lons a minute f/. Tempera
74			A.i.	D,S,I	330	170	200	La Parra ture 84° F. g
				1				well. Casing: 496 feet of
j				ŀ				5-3/16-inch, 374 feet of 4
				Ì	1			inch with 70-foot lap and
				<u> </u>				feet of uncased hole.
75		April 8	Flow	S	370	170	400	Miralejos well. Reported
				l			]	flow (prior to 1907) 115
							[	gallons a minute f/. Meas
							1	ured yield, 7.5 gallons a
f					1			minute.* Temperature 85° F
76		do.	Flow	s	320	200	400	Bordas well. Reported flow
		~~•		-	55.7	3.7.7	1 300	(prior to 1907) 160 gallon
,			1	<u>[</u>			1	a minute $f/$ . Measured yield
ł								in minute 17. websiiren viel
			1			1		27 mallows a minute *
								23 gallons a minute.* Temperature 87° F.

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		Records of well	s in Kenedy Cou	inty .	-Contir	nued		
955 <b>9 9</b>	T) 1 m 4 m m m	0	T	D 1 -	T) 4.1:			ring bed Thick-
Well	Distance	Owner	Driller				Depth	1
No.	from			com-	1	eter	to top	ness of bed
	Sarita			ple-		of		(ft.)
				ted	(ft.)	(in.)	(ft.)	(10.)
77	6 miles	Kenedy Pasture	entral control of the second control of the	01d		5-		
	scutheast	Co.				3/16		
78	7 miles southeast	do.		1931		5- 3/16		*-
79	9 miles	do.	Wm, Turcotte	01d	814	5-		
	southeast					3/16		70 mm
80	10 miles	do.	P. Christensen		860	5-		<del> </del>
	southeast					3/16		
81	ll miles	do.	N. G. Allen		865	5-		
	southeast					3/16		
82	12 miles	do.	Chester Downs	1931	1,067	5-	1,047	20+
	southeast				, L 9	3/16		
83	do.	dr.	Wm. Turcotte	Old	892	4-		
						1/4	and the state of t	
84	ll miles south	do.	Boone Bros.	1926	1,089	5-	1,015	74
	southeast					3/16		
85	$11\frac{1}{2}$ miles	do.	Wm. Turcotte	Old	860	,5 <b>-</b>		
enga a <del>Vallika milikaka</del>	southeast					3/16		

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All wells are drilled unless otherwise stated in remarks, Water level Field tests Well Depth Date of Method Use parts per million Remarks below top measure-No.  $\cap f$ of Chlc-Hard-Sulof casing ment lift water ride ness phate (feet) 1933 a/ b/ d/<u>c/</u> 77 April Flow S 260 110 200 Atravesda well. Measured yield, 39 gallons a minute. 78 300 April Flow S 95 150 Temperature 862 F. Riskin well. Measured yield, 165 gallons a minute\* perature 89 79 S April 6 Flow 360 85 200 Redenda well, Reported flow (prior to 1907) 200 gallens a minute f/. Measured yield, 3.2 gallens a minute Tem-80 Flow  $\overline{S}$ 300 Pate well. perature 85° F. do. 340 85 Casing: 35 feet of 8-inch, '688 feet of 5-3/16-inch, 258 feet of  $4\frac{1}{4}$ -inch with 33-inch lap and 41 inches screened. Double cased from surface to 35 inches Measured yield, 36 gallons a minute \* Tempera-81 April 8 Flow S 570 95 200 Padre Alejos | ture 872 F. well. Reported flow (prior to 1907) 450 gallons a minute f/. Measured yield, 53 gal-Tons a minute\* Temperature 82 187号 F. dc. Flow S 430 180 150 Rosita well. Casing: 800 feet of 5-3/16inch, 232 feet of  $4\frac{1}{4}$ -inch and 20 feet of  $4\frac{1}{4}$ -inch strainer. Reported flow, 60 gallons a minute when completed. Measured yield, 20 gallons a minute\* Tempera-33 April 6 Flow S 440 80 200 Tic Colas well. | ture 88 F. Reported flow (prior to 1907) 250 gallons a minute f/. Has 5-3/16-inch and  $4\frac{1}{4}$ -inch casing at surface. Measured yield, 3.8 gallons a minute\*. 84 Š 310 75 de. Flow 400 Padre Temperature 84° F. Juanite well. Casing: 41 feet of 6 -inch, 776 feet of 5-3/16-inch, 171 feet of  $4\frac{1}{4}$ inch with 12-foot lap, 230 fect of 3½-inch with 21 feat perforated. Double cased from surface to 41 feet. Measured yield, 16 gallens a minute\*. Temperature  $87\frac{1}{2}$  F.  $\overline{85}$ do. 70 Flow 430 200 Tio Martin well. Reported flow (prior to 1907) 350 gallons a minute f/. Measured yield, 15 gallens a minute\*. Temperature 87° F.

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Records of wells in Kenedy County -Continued

Well   Distance   Owner   Driller   Date   Date   Date   Date   Date   Depth   Distance   Driller   Common of of other   Driller   Date   Date   Depth   Driller   D	~		Records of well	Ls in Kenedy Co	unty ·	-Contir			
Sarita   Co.   Com   C									
Sarita   vile   well   of   of bed   (ft.)   bed   (ft.)   (in.)	Well		Owner	Driller	Date	Depth	Diam-		
Second   S	NO.	from			com-	of	eter	to top	ness of
Second   S		Sarita			ple-	well	of	of bed	bed
Sc   14 miles									(ft.)
Second   14 miles   Second					034	1		( , ,	1
Southeast   Co.   3/16	86	14 miles	Kenedy Pasturo	Charten Down	1030	1 055		1 020	35+
87   15 miles   do.   Ym. Turcotte   01d   951   5-   3/16	0.0	ł		Cheacer Downs	1300	0000 و ۱	2/10	1,020	1
Southeast   Sout		Southeast	60.				3/10		
Southeast   Sout									
Southeast   Sout									
Southeast   Sout									
Southeast   Sout									
Southeast   Sout									
Southeast   Sout							ļ		
Southeast   Sout									
Southeast   Sout	87	15 miles	do-	Vm. Turcette	014	951	5-		
88   14\frac{1}{2} miles   do.	- ,	1			010				
Southeast   South		50000110000					0,10		
Southeast   South									1
Southeast   South									
Southeast   South	88	14 miles	30	The second color of the second colors of the second		26	5_		
89   14\frac{1}{2} miles	00		u.			20			
South southeast   South   South   Southeast   Southe		Southeast				<b>!</b>	3/10		1
South southeast   South   South   Southeast   Southe		741	7.			<b> </b>	ļ		
90 16 miles south southeast do.	09								
Southeast   3/16   3/		south southeas	<u> </u>			ļ	3/16		
Southeast   3/16   3/	~~~~	7.0 (17)				ļ			
91 18 miles south southeast  92 18 miles south do.  93 20 miles south as do.  94 20 miles south southeast  95 20 miles south southeast  96 21 miles do.  97 21 miles do.  97 21 miles do.  98 21 miles do.  99 21 miles do.  99 21 miles do.  90 5-  90 5-  90 5-  91 10 5-  91 20 5-  92 18 miles do.  93 20 miles do.  94 20 miles south do.  95 20 miles do.  96 21 miles do.  97 21 miles do.  98 21 miles do.  99 21 miles do.  99 21 miles do.  90 5-  90 5-  90 5-  90 5-  90 5-  90 5-  90 5-  90 5-  90 5-  90 60 5-  90 60 5-  90 7-	90	•	do.		Old				
Southeast   3/16									
92 18 miles do	91	1	do.	Wm. Turcotte	01d	950			
Southeast   93   20 miles   do.     20   5-         94   20 miles   south   do.     36   4-       95   20\frac{1}{2}\text{ miles   do.     40   8         96   21\frac{1}{2} miles   do.   0. M. Borne   1926   1,163   5-   1,100   60     97   21 miles   do.     40   5-		southeast			}		3/16		
Southeast   93   20 miles   do.     20   5-         94   20 miles   south   do.     36   4-       95   20\frac{1}{2}\text{ miles   do.     40   8         96   21\frac{1}{2} miles   do.   0. M. Borne   1926   1,163   5-   1,100   60     97   21 miles   do.     40   5-					1	į		1	1
Southeast   93   20 miles   do.     20   5-         94   20 miles   south   do.     36   4-       95   20\frac{1}{2}\text{ miles   do.     40   8         96   21\frac{1}{2} miles   do.   0. M. Borne   1926   1,163   5-   1,100   60     97   21 miles   do.     40   5-					1	1			
Southeast   93   20 miles   do.     20   5-         94   20 miles   south   do.     36   4-       95   20\frac{1}{2}\text{ miles   do.     40   8         96   21\frac{1}{2} miles   do.   0. M. Borne   1926   1,163   5-   1,100   60     97   21 miles   do.     40   5-		1			l	1			
Southeast   93   20 miles   do.     20   5-         94   20 miles   south   do.     36   4-       95   20\frac{1}{2}\text{ miles   do.     40   8         96   21\frac{1}{2} miles   do.   0. M. Borne   1926   1,163   5-   1,100   60     97   21 miles   do.     40   5-						 	<u> </u>		
93 20 miles south do 20 5 3/16  94 20 miles south do 36 4 1/4  95 20 miles do 40 8 40 8 3/16  96 21 miles do. 0. M. Borne 1926 1,163 5- 1,100 60 south southeast do 40 5 40 5	92	1	do.						
Southeast   3/16		southeast			•			Ì	
Southeast   3/16	THE PARTY NAMED IN					L			
94 20 miles south do.	93	1	do.	~~~		20			
94 20 miles south do.		southeast					3/16	1	
Southeast   1/4								1	1
95 20½ miles do 40 8 96 21½ miles do. 0. M. Bone 1926 1,163 5- 1,100 60 south southeast 3/16	94		do.	227 548		36			
95 20½ miles do 40 8 96 21½ miles do. 0. M. Boone 1926 1,163 5- 1,100 60 south southeast 3/16 3/16 97 21 miles do 40 5						1	1/4		
South southeast	95	20½ miles	do.	aller and the same		40			
96 21 miles do. 0. M. Borne 1926 1,163 5- 1,100 60 3/16 97 21 miles do 40 5									
97 21 miles do 40 5	96			O. M. Borne	1926	1.163	5-	1.100	60
97 21 miles do 40 5							3/16		
			المتر				0, 10	1	
					]				
								į	
	07	21 milos			<del> </del>	1	<del> </del>	<b></b>	<del> </del>
Soucheast 3/16	91	1	αο.			40			
		southeast			1		3/16	1	
		L,			<u> </u>	<u> </u>	1	·	<u></u>

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All wells are drilled unless otherwise stated in remarks. Field Fests Water level Well Depth Date of Method Use parts per million Callo- $\circ f$ No. below top measureof Hard- |Sul-Remarks of casing ment lift waterIride ness phate (feet) 1933 a/ b/ c/ d/ 86 Flow S 60 300 Marcello well. Casing: 43 April 6 480 feet of 6-5/8-inch, 557 feet of 5-3/16-inch, 396 feet of 4是-inch with 58-foot lap, and 165 feet of  $3\frac{1}{2}$ -inch casing with 50-foot lap. Double cased from surface to 43 feet. Measured yield, 14 gallons a minute\*. Tempera-87 200 Telefone well. ture 8720 F. April 5 Flow S 370 50 Reported flow (prior to 1907) 350 gallons a minute f/. Measured yield, 26 gallons a minute\*. Temperature 88° F. 100 Larana Vat well, 8 miles 88 24 do.  $\overline{\mathbb{S}}$ 300 500 east-northeast of Turcotte. Temperature 75° F. 39 Flow S 300 30 200 Marana well, 7 miles east of de. Turcette. Measured yield, 29 gallons a minute,\* Tempera-200 Soria well. ture 88° F. S 90 do. Flow 400 65 Measured yield, 9.3 gallons 91 Flow S 400 a minute.\* do. 75 300 Piedra well. Reported flow (prior to 1907) 350 gallons a minute f/. Vell covered by sand dune but is piped to one side. Measured yield, 15 gallons a minute\* 92 April Flow 310 100 300 Agua Dulce well,  $5\frac{L}{2}$  miles east of Turcotte. Measured yield, 28 gallons a minute.\* 93 6.7 1. S Temperature  $88\frac{10}{2}$  F. 400 430 200 April Pedro well. 9 miles eastnortheast of Armstrong. 94 15.0 April Ţπ. S 120 320 Huisache well, 5 miles east of Armstrong, Temperature 95 15.0 V. S 150 500 50 Rodeo well, 6 miles 73° F. do. east of Armstrong. Tempera-400 Nido well. ture 73° F. 96 Ŝ do. Flow. 350 85 Casing: 680 feet of 5-3/16inch, 402 feet of  $4\frac{1}{4}$ -inch, with 17-foot lap, and 153 feet of 3 -inch with 65-foot lap, Measured yield, 26 gal-lons a minute, \* Temperature 97 W S 260 380 200 San Antonio well,  $8\frac{1}{2}$   $88\frac{1}{2}$  F. 14.8 April miles cast of Armstrong. Temperature 74° F.

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Distance from Sarita  miles putheast	Owner Kenedy Pasture Co.	Driller Chester Downs	com- ple- ted	of well	Diam-Teter of well (in.)		ring bed Thick- ness of bed (ft.)
outheast Z≅ miles outheast		Chester Downs	1931	1,130	5-	1,105	25+
utheast							
	do.		-	20	5 <b>-</b> 3/16		
3호 miles outheast	do.				∂- 3/16	seek dees	
2½ miles ast	do.	Wm. Turcotte	Old	917	4- 1/4		
l miles east outheast	do.					N- 00	
4 miles east outheast	do.	Wm. Turcotte	Old	1,019	1/4	er en	
3 miles outheast	do.	Chester Downs	1931	1,093	5- 3/16	1,070	23+
5을 miles outheast	do.	W. P. Gano	Old	1,035			
6 miles outheast	do.	Wm. Turcotte	01d	1,025	5- 3/16		<del> </del>
8 miles outheast	do.	W. P. Gano	Old	1,123	5- 3/16		
-6	outheast  miles outheast  miles	outheast  6 miles do.  6 witheast  8 miles do.	outheast  S miles do. Wm. Turcotte outheast  S miles do. W. P. Gano	outheast  S miles  do.  Wm. Turcotte Old outheast  S miles  do.  W. P. Gano Old	outheast  S miles do. Wm. Turcotte Old 1,025 outheast  S miles do. W. P. Gano Old 1,123	outheast  6 miles  outheast  6 miles  outheast  7 do.  Wm. Turcotte  Old 1,025  3/16  W. P. Gano  Old 1,123  5-	S miles       do.       Wm. Turcotte       Old 1,025 5 3/16         S miles       do.       W. P. Gano Old 1,123 5

All wells are drilled unless otherwise stated in remarks. Water level Field tests .e11 Depth Date of Method Use parts per million belcw top measure-Hard- Sul-No. ofChloofRemarks of casing lift ment water ride ness phate (feet) 1933 **b/** a/ 0/ d/ . 80° S April Flow 490 70 500 Santa Cruz well. Casing: 63 feet of 8-inch, 825 feet of 5-3/16-inch, 325 feet of  $4\frac{1}{4}$ inch casing with 25-foot lap. Reported flow 60 gallons a minute. Double cased from sur-face to 63 feet when complet-ed. Measured yield, 21 gal-lons a minute Temperature ŢŢ. S 99 8.0 310 420 do. 200 Tia Coca well, 10 miles east of Armstrong, 100 do. Flow Ŝ 430 50 500 Parreta well, 10 miles east of Armstrong, Measured vield, 45 gallons a minute\*. 101 April Flow 600 440 500 Pasadizo Temperature 90° F. well. Reported flow (prior to 1907) 200 gallons a minute f/. Measured yield, 30 gallons a minute\* Tempera-102 S do. Flow 410 70 200 Tecolote well, ture 882 4 miles southeast of La Parra. Measured yield, 26 gallons a minute\* Tempera-103 Flew April 6 S 470 60 500 Diablo well. ture 895 Reported flow (prior to 1907) 500 gallons a minute f/. Measured yield, 43 gallons a minute\* Temperature  $88\frac{10}{2}$  F. 104 April 8 Flow S 420 75Johnny well. Casing: 58 feet of 8-inch, 845 feet of 5-3/16-inch, 143 feet of  $4\frac{1}{4}$ inch with 15-foot lap and 140 feet of  $3\frac{1}{4}$ -inch with 25foot lap. Double cased from surface to 58 feet. Measured yield, 53 gallons a minute\* Temperature 885° F. 105 do.  $\overline{\mathsf{s}}$ 460 Flow 60 200 Palmito well, Reported flow (prior to 1907) 600 gallens a minute f/. Measured yield, 8.6 gallons a minute\*. 300 Toro well. Reported flow 106 S 340 April Flow 1.000 (prior to 1907) 350 gallons a minute f/. Measured yield, 11 gallons a minute\*. Tem-107  $\overline{\mathsf{s}}$ 200 Ramirez perature 86° F. do. Flow 700  $\overline{75}$ well. Reported flow (prior to 1907) 450 gallons a minute f/. Measured yield, 29 gallons a minute\*. Tempera-

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F.

- 21 -Records of wells in Kanady County -Continued Water-bearing bed Thick-Date Depth Diam-Depth Well Distance Driller Owner ness of from eter to top No. comofof bed Sarita well ofbed ple-(ft,) |well (ft.) (ft.) ted (in.) Kenedy Pasture P. Christensen 1931 1,375 60 5-1,315 108 19 miles Co. 3/16 southeast 30+ 109 15 miles do. Chester Downs 1931 870 5-840 3/16 southeast 110 16 miles 48 5do. 3/16 southeast 2ē 111 175 miles do. southeast 112 20 miles Wm. Turcotte Old 1,000 do. southeast 113 22 miles 5do. 3/16 southeast 20 5-114 21 miles do. southeast 3/16 do. 1,147 5**-**3/16 115 do. Wm. Turcotte Old 116 22 miles 5do. southeast 3/16 9/117 25 miles do. 3/16 southeast

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All wells are drilled unless otherwise stated in remarks.

			are dr	1116g				ated in remarks.
	Water	level			Fie	ld test	រន	
Well	Depth	Date of	Method	Use	parts	per mil	llion	
No.	below top	}	3	of	Chlo-	Hard-		Remarks
•	of casing		lift	t ·	i .	:	ł	ROMAT AB
			1 ,	water	ride	. ,	phate	
	(fest)	1933	<u>a</u> /	<u>b</u> /		<u>c/</u>	<u>d</u> /	
108		April 6	Flow	S	830	75	600	Santa Elena well. Casing:
		·	ŧ					585 feet of 5-3/16-inch, 535
								feet of $4\frac{1}{4}$ -inch with 35-foot
								lap, and 340 feet of $3\frac{1}{2}$ -inch
				}				with 50-foot lap. Measured
								yield, 60 gallons a minute*.
109		April 5	Flow	S	1,100	290	800	Los Temperature $92\frac{10}{2}$ F.
						į		Indios well. Casing: 103
								feet of 8-inch, 682 feet of
			Ì					5-3/16-inch and 205 feet of
			Į	İ				
								$4\frac{1}{2}$ -inch with 17-foot lap.
			! !					Double used from surface to
			1					103 feet. 20 gallons a min-
								ute estimated production
			Į.					whon completed. Measured
			1					yield, 8.0 gallons a minute*.
110	18.5	do.	<b>₩</b>	D,S	470	700	100	Los Temperature 85° F.
110	10.0	ao.	l "	,,,,	#10	700	100	
					,-,-	,		Indios Ranch well, Tempera-
111	19,0	do.	W	S	410	500	100	Nopal well, la ture 76° F.
			İ					miles southeast of Los
								Indios Ranch. Temperature
112		do.	Flow	S	800	350	1,000	San Juan well. 73° F.
					} !		-,	Reported flow (prior to 1907)
					1			250 gallons a minute f/.
			1					Measured yield, 16 gallons a
								minute.* Temperature 87° F.
113		do.	Flow	S	500	85	200	Escribano well, 62 miles
			<b>1</b> }					southeast of Los Indios
								Ranch. Measured yield, 65
								gallons a minute.* Tempera-
114	7.0	do.	7!!	8	5 000	2 800	1 000	Tule well, $4\frac{1}{2}$ ture 90° F.
17.22	,	uo,	<b>'</b> '		0,000	~,000	1 , 000	
								miles northeast of San Pedro
	<u> </u>							Ranch. Temperature 72° F.
115		do.	Flcw	S	320	30	250	Mollote well. Reported flow
							}	(prior to 1907) 700 gallons
		·	1				1	a minute f/, Measured yield,
								100 gallons a minute.* Tem-
116		do.	Flow	S	380	70	250	Magueyal perature 91° F.
440	i	av.	1 1000			10	200	porature of r.
								well, 6 miles east-northeast
							[	of San Pedro Ranch. Measured
								yield, 80 gallons a minute.*
117		do.	Flow	S	350	35	200	Maria Temperature 90° F.
								Stella well, 14 miles east
							•	of Armstrong. Measured
								yield, 110 gallons a minute.
			1					
	L		·		<u></u>	<u> </u>		Temperature 90° F.

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Records of wells in Kenedy County -Continued Water-bearing bed Date Depth Diam - Depth Thick-Distance Owner Driller .ell comofeter to top ness of ٥. of bed bed ple-|well of (ft.) (ft.) |well (ft.) ted (in.) 1,170 35 118 25 miles south Kenedy Pasture O. M. Boone 1926 1,239 3/16 southeast Co. 1931 1,140 5-1,105 119 26 miles south Chester Downs 35 do. 3/16 southeast 30 5-120 do. do. 3/16 e/121 272 miles south do. scutheast 122 26 miles 28 do. 5southeast 3/16  $123 \ 26\frac{1}{2}$  miles do. southeast 23+ 124 28 miles Chester Downs 5-1,255 do. 1931 1,278 3/16 southeast F. 1,191 17+ 125 30 miles 1931 1,208 do. do. 3/16 southeast 23 5-126 31 miles do. 3/16 southeast 127 do. O. M. Boone 1927 1,402 do. 1/4128 15 miles 5do. 3/16 east

All wells are drilled unless otherwise stated in remarks.

			are dr	ilied u				ted in remarks,
	ater				,	ld test		
I[c]	Depth	l	Method	{	parts			
·-^ •	below top	measure-	$\circ \mathbf{f}$	of	Chlo-	Hard-	Sul-	Remarks
	of casing	ment	lift	water	ride	ness	phate	
	(feet)	1933	e./	<u>b/</u>		c/	d/	
	(			=2		2		
118		April 4	Flow	S	500	4.50	1,000	San Francisco well. Casing:
110		whire	7. 7. 6.40	L D	30,00	+01/	1,1,00	
			*				1	41 feet of 6-inch, 888 feet
				-				of 5-3/18-inch. Double cas-
								ed from surface to 41 feet.
						<u> </u>		367 feet of $4\frac{1}{z}$ -inch with 38-
								foot lap. 35 to 40 gallens
							†	a minute of estimated pro-
								duction when completed, Mea-
						Ì		sured yield, 4.3 gallons a min-
						1		ute * Temperature 87° F.
119	page 164	do.	Flow	S	400	65	800	Salvador well. Casing: 60
			<u> </u>				1	feet of 8-inch, 806 feet of
							] #	$5-3/16$ -inch, 360 feet of $4\frac{1}{4}$ -
						•	Í	inch with 26-foot lap. Double
,						,		cased from surface to 60 feet.
								Measured yield, 95 gallens a
						*		minute.* Temperature 92° F.
120	13.5	do.	W	S	2,300	2,300	400	
12.1	10,0	ao.	4 4	b	2,000	(۱۱۱) و ۲	400	Borregos well, 10½ miles
121		do.	Flow	<u>s</u>	500	77.40	7 7000	southeast of Armstrong, Tem- Soledad perature 72 F.
121		ao.	FIOW	ಏ	50.43	340	1,200	Soledad perature 72 F.
								well, ll miles southeast of
								Armstrong. Measured yield,
							L	7.6 gallons a minute.* Tem-
122	27	do.	मूलन श्रंभ	S	800	1,000	100	Los Tajos perature 38° F.
	e des est de destante de la compansión de la compansión de la compansión de la compansión de la compansión de							well. Very small supply.
723		do.	Flcw	S	470	55	500	Los Tajos well, 13 miles
								east-southeast of Armstrong,
								Measured vield, 140 gallons a
124		do.	Flow	S	500	130	1,200	Arujas well. Has minute*
								both 5-3/16-inch and 8-inch
	,							casing at surface. Measured
								yield, 22 gallons a minute.*
125		do.	Flow	S	500	90	500	Fincina de la Temperature 91°E.
								Cruz woll. Casing: 64 feet
		•						of d-inch, 870 feet of 5-
								3/10-inch, 358 feet of $4\frac{1}{1}$ -
								inch, including 28 feet of
							1	4½-inch strainer. Double
	e e e e e e e e e e e e e e e e e e e							cased from surface to 64 feet,
								40 gallons a minute estimated
	į							flow when completed. Meas-
								ured yield, 24 gallons a min-
					P 80 1 7 7 8 7 7 7			ute* Temperature 90° F.
126	12.0	do.	V.	ŝ	2,900	3,300	300	Candilia well, 16 miles
								southeast of Armstrong. Tom-
127				Ñ	44 87	***		Rincon well. perature 73° F.
								Smail initial flow ceased
								entirely and well was closed.
128		April 7	Flow	S	750	160	500	Santiago well. Has both 5-
-	İ	~						3/16-inch and 7-inch casing
	-	į						at surface. Measured yield,
		1						56 gallons a minute.* Tempore-
	a de la companya de l							
								ture $88^{10}_{\Sigma}$ F.

Records of wells in Kenedy County -Continued Water-bearing bed Well Distance Owner Driller Date Depth Diam-Depth Thickfrom ofto top mess of Mo. eter com-Sarita well ofof bed bed ple-(ft.) (ft.) well (ft.) ted (in.)129 16 miles east | Kenedy Pasture 1,080 Wm. Turcotte 01d Co. 3/16 130 17 miles east White Bros. do. 4-1/401d 11,175 131 18 miles do. đο. 3/16 east 132 20 miles east do. 1/4133 20 miles do. Tom Leary Old 1,403 5-3/16 east Wm. Turcotte 134 21 miles east do. Old 2-1,155 1/29/135 1,360 do. 01d do. Tom Leary 5-3/16 136 do. dò. 137 16 miles east Wm. Turcotte 01d 1,130 do. southeast P. Christensen 1931 1,385 5- 1,375 138 17 miles east 10+ do. 3/16 southeast W. P. Gano 1,234 Old 5-139 18 miles east do. southeast 3/16

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	1	All wells	are dr	illed ı	ınless	otherwi	se sta	ted in remarks.
	Water	level			Fie	ld test	S	
511	-	1	Method			per mil		
"າດ•	below top		of	of	Chlo-	Hard-	Sul-	Remarks
	of casing		lift	water	ride	ness	phate	
	(feet)	1933	<u>a/</u>	<u>b</u> /		<u>c/</u>	<u>d</u> /	
~~			77-5			0.00	1000	77 77 77 77 77 77 77 77 77 77 77 77 77
130		April 7	Flow	\$	650	260	600	Mota Negra well, Reported
								flow (prior to 1907) 250 gal-
						ļ		lons a minute f/. Measured
130		April 6	Flow	s	470	70	250	yield, 12 gallons a minute.*
100		April 0	FICW	1 5	470	10	200	Huero Temperature 88° F. well, Has both $4\frac{1}{4}$ -inch and
								5-3/16-inch casing at surface.
							}	Measured yield, 28 gallons a
								minute.* Temperature 90 F.
131		April 7	Flow	S	1,000	700	750	Case well. Reported flow
		-			<i>'</i>			(prior to 1907) 500 gallons a
								minute f/, Measured yield,
								24 gallons a minute*. Tem-
132		do.	Flow	S	950	140	500	Maria perature 89 F.
								Petra well. Measured yield,
<del> </del>					<u></u>			44 gallons a minute * Tem-
133		do.	Flow	S	700	70	400	Picacho perature 912° F.
								Nuevo well. Measured yield,
134		3 -	D1	<u> </u>	300	2 000	1 000	64 gallons a minute.* Tem-
134		do.	Flow	٥	2,600	2,900	4,000	Picacho perature 92° F.
								Viejo well. Formerly 7-inch casing but several casings
								have been inserted trying to
							1	stop shallow contamination.
								Measured yield, 7.3 gallons.
						1		a minute*. Temperature $87\frac{1}{2}^{C}F$ .
135	an ##	do.	Flow	S	600	60	700	Perez well. Reported flow
								(prior to 1907) 600 gallons a
								minute $f/$ . Measured yield,
~								64 gallons a minute.* Tem-
136		do.	Flow	s	850	280	1,000	Carnesto- perature 93° F.
							1	lendas well. Measured yield,
137		do.	Flow	S	650	95	250	50 gallons a minuto.* Tem- Reparo perature 91 F.
101		ac.	FIOW		050	90	250	Reparo perature 91 F. well. Reported flow (prior
				]			1	to 1907) 300 gallons a min-
								ute f/. Measured yield, 20
					4			gallons a minute* Tempera-
138		April 6	Flow	S	490	35	250	Sarita well. ture 89° F.
		*	-					Casing: 574 fect of 5-3/16-
								inch, 580 feet of $4\frac{1}{4}$ -inch
							Ì	with 40-foot lap and 305
								feet of $3\frac{1}{2}$ -inch with $35$ -foot
						ļ	•	lap. 100 gallons a minute
								estimated flow when complet-
						Patricia		ed. Measured yield, 56 gal-
. 100		3.	10.3	S	750		ļ <del>-</del>	lons a minute* Temperaturo
139		do.	Flow	٦	350	290	4()()	Gansos well. Report- $92\frac{1}{2}^{0}$ F.
						<b>}</b>		ed flow (prior to 1907) 350 gallons a minute f/. Measured
					1	1		yield, 53 gallons a minute!
						1		Temperature 91° F.
	<u></u>	<del></del>	<del></del>	<del></del> -	<u></u>	<b></b>	·	

Records of wells in Kenedy County -Continued Water-bearing bed well Distance Owner Driller Depth Date Depth Diam-Thickfrom No. comof eter to top ness of Sarita of bed ple-|well of bed (ft.) |well (ft.) (ft.) ted (in.) 140 20 miles east Kenedy Pasture Old 1,315 W. P. Gano southeast Co. 1/4P. Christensen 1930 1,285  $141 | 19\frac{1}{2}$  miles east 5- 1,250 35 do. southeast 3/16 1931 1,368 142 21 miles do. 4-1,300 68 do. southeast 1/4143 21를 miles 1931 1,410 do. do. 5-3/16 southeast Water-bearing bed Distance Date Depth Diam-Depth Thick-Well Owner Driller to top eter ness of ŀο. from com- of of bed bed ple- well of Armstrong ted (ft.) well (ft.) (ft.) (in.) 1920 667 144 13 miles H. M. King Chester Downs 726 59+ 3/16 Est. northwest do. 145 12 miles 1928 726 690 36+ do. 5-3/16 northwest  $146 | 11\frac{1}{2} | miles$ D. McGinnis 1910 1,000 5do. northwest 3/16 147 11 miles west Perry Downs 1905 500 5do. 3/16 northwest 148 11 miles do. 01d 155 5-3/16 west 149 10을 miles Chester Downs do. Old 750 5west 3/16

All wells are drilled unless otherwise stated in remarks, Water level Field tests Depth  $\Delta II$ Date of Method Use parts per million below top measure-Chlo-Hard- Sulof ofRemarks of casing lift ment water ride ness phate (feet) 1933 d/<u>a</u>/ b/ c/ 140 S 400 Medanito well. Reported flow April Flow 450 60 (prior to 1907) 400 gallons a minute f/. Measured yield, 68 gallons a minute.\* Temperature  $92\frac{10}{2}$  F. S 141 Flow do. 1,000 270 600 Nestena well, Casing: 640 feet of 5-3/16-inch, 538 feet of  $4\frac{1}{4}$ inch with 80-foot lap and 380 feet of  $3\frac{1}{4}$ -inch with 193foot lap. Measured yield, 11 gallons a minute \* Tempera-142 S 200 Lopena well. ture  $88\frac{10}{2}$  F. do. Flow 800 110 Casing: 495 feet of 5-3/16inch, 940 feet of  $4\frac{1}{4}$ -inch and 533 feet of  $3\frac{1}{4}$ -inch with 105-foot lap. Double cased from surface to 495 feet. Measured yield, 53 gallons a minute.\* Temperature  $90\frac{1}{2}$  F. 143 do. Flore S 754 70 Agua Negro well, Casing: 130 feet of 5-5/8-inch pipe, 613 feet of 5-3/16-inch casing, 608 feet of  $4\frac{1}{4}$ -inch casing with 95-foot lap and some  $3\frac{1}{4}$ -inch. Double cased from surface to 130 feet. Measured vield, 39 gallons a minute.\* Temperature 91 F Water level Field tests Tell Depth Date of Method Use parts per million below top measureof of Hard-|Sul-50. Chlo-Remarks of casing lift ment water ride ness phate (feet) 1933 a/ b/ <u>c/</u> 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 S do. Flow 280 120 220 Mangel well. Casing: 200 feet of 5-3/16-inch to bottom, and  $4\frac{1}{4}$ -inch. Measured yield, 6.3 gallons a minute.\* 146 10.0 W S do. 215 30 75 Ganado Temperature 84° F. well. Well never flowed. 147 S --Flow do. 230 90 140 Sachuistal well. Measured yield, 11 gallons a minute.\* 148 44.5 do. 470 160 140 No. 3 well. Temperature 78° F. S 149 March 1 F1ow 300 70 120 Llanito well. Reported flow (1921) 60 to 70 gallons a minute h/. Measured yield, 19 gallens a minute.\* Temperature 85° F.

		_						aring bed
ell o.	Distance from	Owner	Driller	Date com-	Depth of		Depth to top	Thick- ness of
•	Armstrong				well		of bed	bed
				ted	(ft.)		(ft.)	(ft.)
	9½ miles west	H. M. King Est.	O. S. Cal well		438	5 <b>-</b> 3/16		
151	7분 miles west	do.	Chester Devms	1919	780	5 <b>-</b> 3/16	***	
152	8½ miles west	do.	Perry Downs	01d				
153	6 miles west	do.	W. P. Gano	1919	700	5 <b>-</b> 3/16	-	
154	미글 miles west	do.	Perry Downs	1910	887	5 <del>-</del> 3/16	807	80
155	10 miles west	do.	D. McGinnis					
156	7호 miles west	do.	Perry Downs	1911	752	5 <b>-</b> 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.	1	oiä i	562	5 <b>-</b> 3/16	3	
159	4호 miles west northwest		T. Fowler	1902	830	5- 3/16	808	22+
160	2 miles northwest	<b>30</b> 30	J. B. Armstrong	Old	568	4-1/4		
<sup>7</sup> 161	4 miles west	par 40.	J. C. Curry	1906	900	1/4		
162	2 miles west		Sanders & Allen	1901	490	4- 1/4		

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All wells are drilled unless otherwise stated in remarks. Water level Field tests Depth Date of ell Method Use parts per million below top measureofChlo-Hard-Sul-10 of Remarks of casing ment lift water ride ness phate (feet) 1933 a/ <u>b/</u> c/ d/ 150 March 1 Flow S 200 180 150 No. 4 well. Estimated yield, 5 gallons a minute.\* 151 do. Flow \$ 270 150 Cerrito well. Reported flow 55 (1909) 50 gallons a minute h/. Measured yield, 21 gallens a minute.\* Temperature 84° F. 200 Fita well. Measured yield, S 152 do. Flow 304 25 12 gallens a minute.\* Temŝ 200 Ball Ranch perature 85° F, well, Reported flow (about 153 Flow do. 280 25 W 1921) 50 gallens a minute. Measured yield, 15 gallons a minute,\* Temperature 84° F. April 19 600 Pinole well. Measured yield, 154 Flow S 290 1.80 90 gallons a minute,\* Tem-100 Senorita perature 88° F. 155 --March 1 Flow S 270 45 well. Measured yield, 2.0 gallons a minute,\* Tempera-Tture 82° F. 156 do. Flow S 240 25 Toro well. Casing: 500 feet of 5-3/16inch, and 252 feet of  $4\frac{1}{4}$ inch. Measured yield, 15 gallons a minute.\* Tempera-157 Flow do. S 300 30 150 Alazan well. ture 85° F. Casing: 536 feet of 5-3/16inch, and 221 feet of  $4\frac{1}{4}$ inch with 27-foot lap, Measured yield, 21 gallons a min-1.58 do. Flow S 260 80 80 Alto Bonito well. ute. Measured yield, 21 gallons a minute.\* Temperature 84° F.  $1\overline{59}$ Comal well. Reported flow Flow S (prior to 1907) 150 gallons a minute h/. Casing: 305 feet of 5-3/16-inch,  $4\frac{1}{2}$  feet to bottom with one joint. Reported small flow of slightly salty water at 300 feet during drilling. Joint per-160 April 18 Flow S 350 600 Juan Perez well. 90 forated. Measured yield, 4.0 gallons a minute.\* Temperature  $81^{\frac{10}{2}}$  F. 600 Tokio well. Reported flow 161 do. Flow S 1,200 300 (Mar. 1913) 50 gallons a minute g/. Measured yield, 8.6 gallons a minute.\* Tempera-162 S do. 400 Flow 210 700 Marana well. ture 86° F. Reported flow (prior to 1907) 20 gallons a minute f/. Measured yield, 2.2 gallens a minute, \* Temperature 812 F.

•	1	Records of we	- 31 -	unty -	-Contir	nued		
. 11	Distance from Armstrong	Owner	Driller	Date com-		Diam- eter of well		Thick- ness of bed (ft.)
e/163	$\frac{1}{2}$ miles southwest		Wm. Gano	01 d	900 ±	(in,) 5- 3/16	200 day	
⊖/164	4½ miles southwest		J. C. Curry	1906	857	3		
⊜∕165	3 miles southwest		Sandors & Allen	1901	500	3- 1/2		<b>3</b>
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		
⊕/169	Armstrong		W. P. Gano	Ōlđ	834	5- 3/16		
170	do.		R. Robertsen	1904	730	6-1/4		

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All wells are drilled unless otherwise stated in remarks. Water level Field tests hell Depth Date of Method Use parts per million No. below top measureof of Chlo-Hard-|Sul-Remarks of casing lift ment water ride ness phate (feet) 1933 b/\_ a/ c/ d/ 163 April 18 Flow S 290 400 Tim well. Reported flow in 55 1922, 280 gallens a minute by C. M. Armstrong, Measured yield, 44 gallons a minute.\* 164 Harbin Temperature 88° F. do. Flow S 360 50 well. 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  $4\frac{1}{4}$ -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.\* Tem-166 do. Flow 310 330 1.000 Buton well. perature 80° F. Reported flow (prior to 1907) 160 gallons a minute. Also known as "Tollidos". f/ Measured yield, 9.0 gallons a minute.\* Temperature 85° F.
450 Rodeo well. Reported flow 167 S do. Flow 360 35 (prior to 1907) 100 gallons a minute f/. Measured yield, 8.2 gallons a minute.\* Tem-168 do. Flow S 390 350 Lola or perature 85° F. 50 Rincon well. Reported flow (prior to 1907) 75 gallons a minute f/. Measured yield, 3.6 gallons a minute.\* Tem-169 do. Flow R.R. 300 200 Missouri perature 85° F. 75 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.\* 170 700 Missouri Temperature 8620 F. do. Flow R.R. 320 220 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  $85\frac{1}{2}$  F.

		Pogorda of wol	- 33 - ls in Kenedy Co	untss -	-Contir	med		
Tell	Distance frem Armstrong	Owner	Driller	Date ccm- ple-	Depth of well	V Diam- eter of	Depth to top of bed	Thick- ness of bed (ft.)
9/171	Armstrong		R. Eobertson	ted	(ft.) 900 ±	well (in.) 4- 1/4	(ft.)	(10.)
<u>e</u> /172	2 miles north northeast		U, F. Gano	unio dise	800	4- 1/4		
<u>e/173</u>	2 miles northeast	<u></u>	J. B. Armstrong	Old	893	1/4		
<u>e/174</u>	3호 miles northeast		W. P. Gano	Old	800 ±	4- 1/4		
e/175	$2\frac{1}{2}$ miles southeast		Thos. Fowler	1905	80 <u>0</u>	4- 1/4		- 60
<u>-/176</u>	3½ miles east southeast	<b>-</b> -	J. C. Curry	014	845	4- 1/4	825	20
Well	Distance from Norias	Owner	Driller	com-	of well		Nater-best Depth to top of bed (ft.)	Thick- ness of bed (ft.)
⊕/177	12 miles west	H. M. King Est.	Henry Curry	1927	960	5 <u>-</u> 3/16	942	18
178	10 miles west northwest	de.	do.	1927	640	6- 5/8		

All wells are drilled unless otherwise stated in remarks.

			are ur	rited				ted in remarks.
	Water ]					ld test		
€11		Date of	Method	Use	parts ·	per mil	lion	
100	below top	measure-	of	of	Chlo-	Hard-	Sul-	Remarks
	of casing	ment	lift	water	ride	ness	phate	
	(feet)	1933	a/	ъ/		<u>c/</u>	d/	
	(1000)	1000	<u>~</u>	= 27		<u> </u>	<i>≌</i> ⁄	
171		April 18	107	D D	290	65	7.00	Missouri Pacific Railroad
T ( T		Wbirr To	Flow	R.R.	290	60	100	
			:					well. Measured yield, 24
								gallons a minute* Tempera-
172		April 19	Flow	S	320	<b>3</b> 5	300	Soria well. ture $87\frac{10}{2}$ F,
								Reported flow (Mar. 1913) 40
								gallons a minute, tempera-
								ture 87° F. g/. Measured
								vield, 7.5 gallons a minute,
173		do.	Flow	S	310	35	250	Armstrong Temperature 86° F.
		•					~ "	Ranch well, Reported flow
								(prior to 1907) 150 gallons
				,				a minute f/. Reported flow
								(Mar. $191\overline{3}$ ) 40 gallons a
							1	minute $g/$ . Shallow salt
								water broken in and small
		]						pipe and packer have been
								inserted. Measured yield,
								1.6 gallons a minute.* Tem-
174		do.	Flow	S	400	40	350	Alazan well. perature 85° F.
-,-			1 - 5					Reported flow (Mar. 1913) 30
							ļ	gallons a minute, tempera-
							1	
								ture 87° F. g/. Measured
								yield, 5.0 gallons a minute.*
175		do.	Flow	S	350	90	400	San Temperature 85° F.
				ł				Carlos well. Reported tem-
								perature 84° F. in Mar. 1913
				1				g/. Measured yield, 1.4 ga
								lons a minute.* Temperature
176		do.	Flow	S	360	40	400	John well. Meas- 812 F.
170			1 10	~	0.00	1	100	ured yield, 60 gallons a min
							]	died yield, of gallons a min
						<u> </u>	1	ute* Temperature 88° F.
	Water :	level			Fie	ld test	ts	
Well	Depth	Date of	Method	Use	parts	per mi	llion	
No.	below top	1	1	of	Chlo-	Hard-		Remarks
	of casing		lift	water	1	ness	phate	
	(feet)	1933		1 /	1 - 40	•	1 " ,	
	(1000)	1,000	<u>a/</u>	<u>b/</u>		<u>c/</u>	<u>d</u> /	
7 777	ļ	Anni 1 07	Flow	S	340	100		Songoont woll Cocine Ci
177		April 23	LIOW	٥	340	100	1 500	Sorgeant well. Casing: 81
		1			[			feet of 5-3/16-inch, 678
			1					feet of $4\frac{1}{2}$ -inch, 202 feet of
							1	$3\frac{1}{4}$ -inch. Double cased from
								surface to 81 feet. Mea-
		1				1		sured yield, ll gallons a min-
						1		ute.* Temperature 8720 F.
178		do.	Flow	S	280	70	200	Cassar well. Casing: 317
-10	1	1				1		feet of 6-5/8-inch and 282
	1		1		1	1		feet of 5-3/16-inch. Mea-
					1	-		
						1		sured yield, 19 gallons a
		!	L	<u></u>	<u> </u>	<u></u>	1	minute.* Temperature 842 F.

<del>-</del> 35 -

Records of wells in Kenedy County -Continued Water-bearing bed 11 Distance Driller Depth Thick-Owner Date Depth Diamto top lo. from comof eter ness of Norias of bed bed plewell of(ft.) (ft.) | well (ft.) ted (in.) 179 10 miles west 877 H. M. King Chester Downs 1/4 northwest Est. 180 9층 miles west do. 641 -- Downs 5/8 181 10 miles west Chester Downs 1921 691 670 20 do. 1/4 726 182 11 miles west 6do. 5/8 southwest 183 7분 miles west Chester Downs 1921 671 5do. 3/16 northwest 184 7 miles west 1922 785 4do. do. 1/4185 7층 miles west do. Henry Curry 638 5southwest 3/16 186 8호 miles Howard Curry do. scuthwest 1918 846 187 4 miles west -- Curry do. --

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All wells are drilled unless otherwise stated in remarks,

			are dr	illed ı				ated in remarks,
	Water				Fie	ld test	s	
Well	Depth	Date of	Method	Use	parts	per mil	lion	
"[o↓	below top	measure-	of	of	Chlo-	Hard-	Sul-	Remarks
	of casing	ment	lift	water	ride	ness	phate	
	(feet)	1933	a/	<u>b</u> /		<u>c/</u>	<u>d</u> /	
	,			-		;£		
179	est ma	April 23	Flow	S	420	130	300	Julian Grande well. Casing:
		I				1		599 feet of $4\frac{1}{2}$ -inch and 284
								feet of $3\frac{1}{4}$ -inch. Measured
					1	1		yield, 47 gallons a minute.
180		do.	Flow	s	5-10	40	200	Coyote   Temperature 88° F.
100		uo.	LTOM	1 2	0.10	50	200	
						,	•	well. Casing: 386 feet of
								6-5/8-inch and 225 feet of
				]	ļ	1		5-3/16-inch. Measured yield,
						1 		8.5 gallons a minute.* Tem-
181		April 24	F1cw	S	340	45	60	Sam well. perature 84° F.
								Casing: 85 feet of 5-3/16-
						1		inch, 545 feet of 4-inch,
		hina and					1	81 feet of $3\frac{1}{2}$ -inch, and 22
			1					feet of strainer, Double
			j			1		cased from surface to 85
						1		feet. Reported flow (1921)
		Ī				1		30 gallons a minuto. Mea-
	1	ŧ				1	1	sured yield, 7.7 gallons a
	1							minute.* Temperature 852° F.
182	Ò.9	do.	W.	S	420	40	100	Buenos Aires well. Casing:
200					1 200	10	200	100 feet of 6-5/8-inch, 487
								foot of $4\frac{1}{4}$ -inch and 175 feet
							ł	of $3\frac{1}{2}$ -inch. Well formerly
183		April 25	Flow	s	290	40	100	Richard well. Cas- flowed.
100		April 20	FIOW		230	40	1007	
								ing: 442 feet of 5-3/16-inch,
								230 foot of $4\frac{1}{4}$ -inch and 112
								feet of 3½-inch. Reported
		1						flow (1921) 60 gallons a min-
								uto h/. Heasured yield, 29
			<del></del>					gallons a minute.* Tempera-
184	18.0	April 23	11	5	320	50	200	Chaparrosa well. ture 85° F.
				}	1	1		Casing: 20 feet of 6-5/8-
						1		inch, 633 fact of 42-inch,
				ļ			1	and 142 feet of $3\frac{1}{2}$ -inch cas-
								ing. Double cased from sur-
					1	1		face to 20 fout. Reported
				1	i.			water level (1922) 9 feet
			1		1			below top of casing h/.
185		do.	Flow	† S	1 850	35	200	Comanche well. Casing: 104
_ 2 2				1				foot of 5-3/16-inch, 496
				1	i	1		feet of 41-inch and 102 feet
						1		of $3\frac{1}{4}$ -inch. Old abandoned.
	1	1		1	! :	-		Comanche well was 668 feet
	1							1
	1				İ			doop, Measured viold, 10
700		1	101	<del> </del>	4.00	<del> </del>	+ -55	gallons a minute.* Tempera-
183		April 24	Flow	S	460	90	200	Finnegan or ture 86° F.
			-					Vivoritas well. Measured
p			<u></u>			<u> </u>	<u> </u>	yield, 8.6 gallens a minute.*
167		April 25	Flow	S	330	60	100	Grulla Temperature 88° F.
	1							well. Measured yield, 21
						1		gallons a minuto.* Tempera-
								ture 8720 F.
			·		1075			adiophological registration of the controller of the color state and the color of t

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		Records of wel	lls in Kenedy Co	unty -	-Conti			AND THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON
well	Distance from Norias	Owner	Driller	com- ple- ted	of well (ft.)	Diam- eter of well (in.)	Depth to top of bed (ft.)	Thick- ness of bed (ft.)
188	5 miles west southwest	H. M. King Est.	Howard Curry	- <del>-</del>	1,146	5- 3/16	1,118	28
189	7 miles	do.	do.	1910				
	13 miles west scuthwest	do.	Chester Downs	1921	794	1/4		
191	14 miles southwest	do.			730	5 <b>-</b> 3/16		
192	13 miles scuthwest	do.	Howard Curry	1927	-			an
193	10 miles southwest	do.	George Curry	1918				
194	8 miles scuthwest	do.	Howard Curry	1927	890	5- 3/16	870	20
195	llੇ miles southwest	do 。	George Curry	1918		5- 3/16		
	14 miles southwest	do.	Howard Curry	1922				
197	13 miles southwest	do.				1/4		
198	14 miles southwest	do.	Howard Curry	1927	1,062	5 <del>-</del> 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. Water level Field tests 1101 Depth Date of Method Use parts per million οf Chlo-Hard-Sulbelow top measureof Remarks JO. of casing ment lift water ride ness phate (feet) 1933 a/ <u>b/</u> c/ d/ 90 1,600 Banderitas well. Casing: 80 188 S April 23 Flow 350 feet of 5-3/16-inch, 738 feet of  $4\frac{1}{4}$ -inch, and 358 feet of  $3\frac{1}{4}$ -inch. Old abandoned. Bandera well was 783 feet deep. Measured yield, 60 gallons a minute.\* Temperature 89° F. 100 Maravillas well. Measured 189 April 24 Flow Ŝ 370 30 yield, 8.0 gallons a minute.\* 190 do. Flow S 500 95 150 Andrea Temperature  $85\frac{10}{2}$  F. Ranch well. Casing: 37 feet of 5-3/16-inch, 554 feet of  $4\frac{1}{4}$ -inch and 239 feet of  $3\frac{1}{4}$ inch. Reported flow (Nov. 1921) 25 gallons a minute h/. Estimated yield, 8 gallons a minute.\* Temperature 8620 F. 191 100 Riqueza well. Measured do. Flcw S 800 70 yield, 5.2 gallons a minute.\* 300 Martillo Temperature  $86^{10}_{\overline{z}}$  F. 192 S 190 Flow 850 do. well. Measured yield, 15 gallons a minute\*. Tempera-193 420 100 San Pedro well. | ture 90° F. do. Flow S 45 Measured yield, 8.2 gallons a minute\*. Temperature 87° F. 200 Concha well. Casing: 106 194 April 25 Flow S 600 90 feet of 5-3/16-inch and 781feet of  $4\frac{1}{4}$ -inch. Measured yield, 22 gallons a minute.\* 100 San Jose Temperature 90° F. 195 do. Flow S 500 30 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. 100 Melona well. Measured yield, 196 Ŝ do. Flow 700 80 9.4 gallons a minute.\* Tem-200 Copita perature  $87\frac{10}{2}$  F. 197  $V_1^r$ S 600 80 well. Old well, repaired by Howard Curry but flow did not April 25 198 .4.0 W S 350 420 600 San Salvador well. come back. Casing: 88 feet of 5-3/16inch and 967 feet of  $4\frac{1}{4}$ -inch. 199 S Flow 410 480 600 Lola well. Casing: 72 feet do. of 6-5/8-inch, 472 feet of  $4\frac{1}{4}$  inch and 306 feet of  $3\frac{1}{4}$ inch. Measured yield, 6.0 gallons a minute.\* Temperature  $84^{10}_{8}$  F.

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PARTICIPATE AND LOCAL		Records of wel	ls in Kenedy Co	unty .	-Contin			
		_		•	1			aring bed
Well	Distance	Owner	Driller		Depth			Thick-
$\mathrm{Mc}$ .	from			com-	1	eter	to top	ness of
	Norias		<u> </u> 	ple-	well	of	of bed	bed
	1			ted	(ft,)	well	(ft.)	(ft.)
					(200)	(in.)	()	(/
200	35 miles north	H. M. King	Dave Deer	1908	45	7		
	,	Est.						
201	2½ miles west	do.			801	5-		
	2	,				3/16		
202	Norias	do.	Andrew		866	5-		
			Ferguson			3/14		
203	2½ miles west	do.	Henry Curry		1,130	5-		
200	southwest		110111 , 5411 ,		1,100	3/16	-	
	Scaciwesc					1 0/10		
						1		
							1	
								1
						1		
							1	
							1	
							l	
	77			<del> </del>	<del> </del>	<del> </del>		-
204	3 miles	do,			818			
	southwest			<u> </u>	L	<u> </u>	<u></u>	
205	6 miles south	do.	Henry Curry			6-		
	southwest	•				5/8		
206	$6\frac{1}{6}$ miles	do.						
	south	:						
								1
207	$5\frac{1}{2}$ miles	do,	Henry Curry	1918	938	4-		<del> </del>
201	north		nonly ourly	1310	1 300	1/4	1	
	mor en					1/4		
						1		
	C1	2 -				- <del></del>	ļ.	<del>-</del>
208	6½ miles	do.						
	northeast				İ		-	
	<u></u>			_	ļ	<u> </u>	ļ <u></u> -	
209	4 miles	do.	Chester Downs	s  1922	1,035	5-		
	northeast				1	3/16		
	•		1					
						1		
		1		•		1		
		1			1	-		
010	0 == 100	<u> </u>		+	1 000	+	<del> </del>	<del></del>
210	8 miles	do.	WICH TOWN		966			
	northeast							
							<u> </u>	
211	6 miles	do.	Dave Deer	1920	35			
	northeast			į		3/16		
			1	-	1	'	1	
					·		<del></del>	

All wells are drilled unless otherwise stated in remarks.

			are ur	ritea				ted in remarks.
	Water :	<u> </u>			ı	ld test		
Well	Depth	3	Method	Use		per mil		Remarks
To.	below top	1	of	of	Chlo-	Hard-	Sul-	
	of casing	E :	lift	water	ride	ness	phate	
	(feet)	1933	a/	b/		c/	d/	; •
							1	
200	19.5	April 25	Δi	S	900	1,100	80	Tullidos well. Casing: 45
							Ì	feet of 6-5/8-inch. Tempera-
501	3.1	do.	W	S	400	650	800	Grulla or ture 74° F.
								Mondado well.
202			M	D,S	330	220	300	Norias well.
203		April 25	Flow	S	270	130	250	Epps well, Originally 842
				1			Ì	feet deep with 63 feet of 6-
		E A			! !	•		$5/8$ -inch, 609 feet of $\frac{44}{4}$ -
						1		inch and 207 feet of $3\frac{1}{4}$ -inch
					ļ	Ì		casing, Stopped flowing and
								deepened by Howard Curry in
								1931, adding 57 feet of 5-
								3/16-inch at top and 340 feet
						1	}	of 2=inch at bottom. Meas-
				į				ured yield, 5.0 gallons a
							1	minute.* Temperature 87° F.
204		do.	Flow	S	370	100	200	Loma Prieta well. Measurod
	·	-						yield, 15 gallons a minute.*
205		do.	Flow	S	470	85	400	Pitosa Temperature 87° F.
		_						well. Measured yield, 17
							İ	gallons a minute.* Tempera-
206		do.	Flow	R.R.	400	140	380	Rudolph woll. ture 91° F.
							1	Owned by St. Louis, Browns-
								ville and Mexico Railway.
								Measured yield, 10 gallons a
								minute. Temperature 88° F.
207		April 26	Flow	S	360	75	2.50	Firman well. Casing: 652
13.31		13P111 D0	1 1011		000	1	200	feet of 41-inch and 304 feet
								of $3\frac{1}{2}$ -inch. Measured yield,
				-				15 gallons a minute. * Tem-
208		do,	Flow	S	500	310	300	
200			1 1 1		OLA	1	000	well. Measured yield, 9.4
								gallons a minute* Tempera-
209		do.	Flow	s	500	340	350	Fortuna well. ture 86 F.
200		do.	1 1. 11		, ,	0 10	000	Casing: 191 feet of 5-3/16-
				-		1		inch, 514 feet of $4\frac{1}{4}$ -inch
						•		and 356 feet of $3\frac{1}{2}$ -inch. Re-
						1		ported flow (1922) 25 gal-
						1		lons a minute h/. Measured
							1	yield, 10.6 gallens a minute.
210		do.	Flow	<u>s</u>	400	95	200	Piedra Temperature 872° F.
210		ao.	LICA	0	400	95	200	
								well, Measured yield, 16
27.7			Int.	S	250	270		gallons a minute* Tempera-
211	<b>*</b>		V.	٥	250	370	80	Chicago well.   ture 87° F.
								Casing: 35 feet of 5-3/16-
		ļ				<u> </u>	<u> </u>	inch. Temperature $73\frac{10}{2}$ F.

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· Records of wells in Kenedy County -Continued Water-bearing bed Well Distance Driller Date Depth Diam-Depth Thick-Owner eter to top ness of No. from  $\circ f$ comof bed Norias ple- |well of bed (ft.) ted (ft.) well (ft,) (in.) 1,002 212 5층 miles H. M. King - Powns 3/16 northeast Est. 213 25 miles Henry Curry 1915 922 do. northeast 3/16 214 을 mile north do. 855 do. Howard Curry 215 3 miles 1923 do. southeast 216 3 miles south dc. Henry Curry 1917 **-** 925 6-5/8 southwest Howard Curry 1923 965  $217 \frac{1}{5}$  miles south do. southeast 1930 1,234 e/218 42 miles east do. H. L. Curry 5-5/8 960 219 45 miles east do. southeast 220 8 miles east Howard Curry 1931 1,203 do . ົ 5-northeast 5/8 1910 1,068 Henry Curry 221 75 miles east 5do. 3/16 1,338 222 7 miles east do. do. southeast

All wells are drilled unloss otherwise stated in remarks.

			are dri	.iiea i				ated in remarks.
	Water :	Level			Fic	ld test	S	
Well	Depth	Date of	Method	Use	parts	per mil	llion	
No.	below top		of	of		Hard-		Remarks
	of casing	1 1		water	;	noss		
		<b>t</b> 1	,	: ,	1140	,	, ,	
	(feet)	1933	<u>a</u> /	<u>b</u> /		<u></u>	<u>d</u> /	
212		April 26	Flow	S	400	130	300	San Ygnacio well. Casing:
61.6		morti 20	1 10W		100	100	Oth	481 feet of 5-3/16-inch, 338
								feet of $4\frac{1}{4}$ -inch and 273 feet
						•		of $3\frac{1}{4}$ -inch. Repaired by
								Howard Curry and may be deep-
								er than original depth of
								1,002 feet. Measured yield,
	<del>-</del>			İ		İ		8.3 gallons a minute* Tem-
213		do.	Flow	S	370	340	300	Mike well.   perature 892°F.
~							1	Casing: 618 feet of $5-3/16-$
				ļ				inch and 329 feet of $4\frac{1}{4}$ -inch.
	•							. =
				-				Measured yield, 5.8 gallons
				<u> </u>	<u> </u>			e minute.* Temperature 86° F.
214	- <b>-</b>	April 25	1	D,S	380	190		Fotrero well. Measured
			W	Ĺ				yield, 23 gallons a minute.*
215		April 26	Flow	S	380	100	400	Papalote Temperature 862 F.
								Mocho well. Measured yield,
								9.5 gallons a minute.* Tem-
216	pa 224	do.	Flow	S	440	280	300	Tio Mack perature 87° F.
					_	1		well. Casing: 99 feet of
								6-5/8-inch, 594 feet of $4\frac{1}{4}$ -
				1		•		inch and 277 feet of $3\frac{1}{4}$ -inch.
						1		
				İ		!		Measured yield, 19 gallons a
~ ~~~				ļ <u>_</u>			ļ	minute.* Temperature 872 F.
217		do.	Flow	S	500	480	500	Chilipitin well. Measured
				<del> </del>		ļ	L	yield, 9.5 gallons a minute.*
218		do.	Flow	S	400	40	400	Escondida Temperature 87° F.
						į		well, Casing: 780 feet of
						1		5-5/8-inch and 554 feet of
							1	$4\frac{1}{4}$ -inch. Measured yield, 26
							<u> </u>	gallons a minute.* Tempera-
219		do.	Flow	S	460	340	550	Saltillo well.   ture 90° F.
								Measured yield, 9.7 gallons
								a minute.* Temperature $87\frac{10}{2}$ F.
220		do.	Flow	S	480	90	450	Don Roberto well. Casing:
								712 feet of 5-5/8-inch and
								514 feet of $4\frac{1}{4}$ -inch. Mea-
						ĺ		1 : 11 27 mollong a min
								sured yield,23 gallons a minute. Temporature 902 F.
201			707	+- <del></del> -	1 -400	150	150	ute, remporature 90g F.
221		do.	Flow	S	490	150	450	San Francisco well. Casing:
								603 feet of 5-3/16-inch, 481
			1		1			fleet of $4\frac{1}{c}$ -inch and 80 feet
								of 3'-inch. Measured yield,
		<u> </u>		<u>L</u>				39 gallons a minute.* Tem-
222		do.	Flow	S	460	600	700	Mota Mos-   perature 89° F.
			1					quito well. Measured yield,
		•						7.0 gallons a minute.* Tem-
						1		7.0 gallons a minute,* Tem- perature 88½ F.
	<u> </u>	<u> </u>	·		L		ı	polautio oog 1.

- 43 -

		Records of wel	- 43 - ls in Kenedy Co	untv .	-Contin	nued		
			the contract of the contract o			N.		ring bed
Well	Distance	Owner	Driller	ľ	, -	Diam-		Thick-
40°	from			com-	of		to top	ness of
	Norias			ple-		1	of bed	bed
				ted	(ft)	well (in,)	(ft,)	(ft,)
223	6 miles	H. M. King	Howard Curry	1930	1,346	5-		
	southeast	Est.			,	5/8		
224	8 miles	do.	do.	1931				
	southeast							
225	9 miles	do.	Curry		1,135			
	scutheast			er mygrowik mye		3/16		
226	10 miles east	do.	Dave Deer	1911	64	5-		
227	9½ miles east		Howard Curry	1916		3/16		
		do,			į			
228	9호 miles east	do.	Henry Curry	1930	1,408	6-		
	southeast					5/8		
							-	
229	ll miles east	do.	do.	01d	84	5-		
220	II milos casc	00.	ω.	Old	04	3/16		
	_				Į Į	0,10		
230	$10\frac{1}{2}$ miles	do.	-		70	5-		
	southeast				-	3/16		
231	11 miles	dc.	Howard Curry	1928				
500	southeast	The second secon		7.000	ļ	ļ. <u></u>		
232	125 miles southeast	do.	do.	1922				
	southeast							
233	14½ miles	do.	H. L. Curry	1931	1,327	5-		
230	scutheast				1,521	5/8		
						3/ -		
					1			
				1				
				] }	!			
231	14 miles	do.		<u> </u>		6-		_
20 <del>4</del>	southeast	do.			်ပ္	5/8		
235	142 miles	do.	W. P. Gano	Old	1,320			
	southeast				,			
236	12½ miles	do.	Howard Curry	1920				
025	southeast	3 -		ļ 			<del> </del>	
237	14 miles southeast	do.	Brieff 100pp		86	5 <b>-</b> 3/16		
238	ll p miles	do.	H. L. Curry	1931	1,160	6-		
200	east	1			-,	5/8		
				į	-			
				ĺ	-			
				L	J	L	L	L

- 44 -All wells are drilled unless of erwise stated in remarks. Field casis Water level Well Depth Date of parts our million Method Use Chlc Hand-Sul-No.below top measureof Remarks of of casing ment lift water ride ness phate (feet) 1933 a./ d/<u>b/</u> c/ S 223 April 26 Flow 280 90 400 Burro Pinto well. Casing: 730 feet of 5-5/8-inch and 641 feet of  $4\frac{1}{4}$ -inch. Measured yield, 45 gallons a minute.\* Temperature 92° F. 224 500 Caldero well. Measured do. Flow S 300 240 yield, 7.8 gallons a minute." 225  $\overline{S}$ 400 Rosita | Temperature 882 F. Flew 500 550 do. well. Measured yield, 18 gallons a minute.\* Tempera-226 400 50 Soledad well, ture 89° F. 21.2 do. W S 800 227 S 440 55 500 Tejones well, Measured de. Flow yield, ll gallons a minute.\* 600 Medanito Temperature 90° F. 228 S 370 140 do. Flow well. Cauing: 420 feet of 6-5/8-inch, 607 feet of  $4\frac{1}{4}$ inch, and 161 feet of  $8\frac{1}{4}$ inch. Old well 1,146 feet; 688 feet of 5-5/8-inch and 738 feet of  $4\frac{1}{4}$ -inch casing in new well. Measured yield, 33 gallons a minute.\* Tem-229 40.4 N  $\overline{s}$ 480 Parrita perature 92° F. do. 650 well. Casing: 84 feet of 5-3/16-inch. Temperature 76° Tate well. Temperature 7\*7 3,000 230 44.0 1,100 do. 100 76° F. 231 April 29 Flow S 450 440 400 Washington well. Measured yield, 5.8 gallons a minute.\* Temperature 88° F. 232 April 27 S 440 390 Flow Villareal well. Moasured yield, 13 gallens a minute.\* Temperature  $89^{10}_{2}$  F. 233 Flow  $\overline{s}$ 4.60 \_\_\_ do. 340 550 Retama well. Casing: 690 feet of 5-5/8-inch, 628 feet of  $4\frac{1}{2}$ inch set at 1,286 and 61 feet of 31-inch casing set at 1,327 feet. Measured yield, 7.5 gallons a minute.\* 234 April 29 W S 30 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.\* Tempcrature 90° F. 400 Tecolete well. Measured 236 April 28 Flow S 480 650 yield, 12 gallens a minute.\* 200 Campo Temperature 89° F. 237 30 do. ΨĮ S 700 450 Verde well, Temperature 760 238 April 27 500 Dos Amigos well. Drilled F. Flew S 170 Hand repaired several times by H. L. Curry. Measured yield, 0.8 gallons a minute.\* Tem-

perature 81 de F.

Records of wells in Kenedy County -Continued

	R	Records of well	s in Kenedy Cou	inty -	Contin	ued		
							Water-bea	aring bed
Well	Distance	Owner	Driller	Date	Depth	Diam-	Depth	Thick-
No.	from			com-	_	eter	to top	ness of
	Norias			ple-	well	of	of bed	bed
				ted	(ft.)		(ft.)	(ft.)
	_				` '	(in.)		' '
239	12호 miles east	H. M. King	Dave Deer		45	5-		
		Est.				3/16		
240	14 miles east	do,	do.	1915	40	5-		
						3/16		
241	15를 miles east	do.	do,		40	5-		
					±	3/16		
242	17 miles east	do.						
	_							
243	$12\frac{1}{2}$ miles east	do.	Dave Deer	1920	45			
	southeast					5/8		
244	$13\frac{1}{2}$ miles east	do.	do.	1930	45	5-		
	southeast					3/16		
245	14 miles east	do.			48	5-		
	southeast					3/16		
246	14 miles east	do.	Dave Deer	1923	53	5 <b>-</b>		
	southeast					3/16		
247	17 miles east	do.			33	6-		
	southeast			ĺ		5/8	1	
<u>e</u> /248	18½ miles east	do.	Howard Curry					
	southeast							
249	19 miles east	do.			35	5-		
<del></del>	southeast					3/16		
250	13호 miles	do.	Villareal	1919	49	6-		
	southeast					5/8		
251	16 miles	do.	Howard Curry	1925	1,407	6-		
	southeast					5/8		
						1	1	
0.00	1 C <sup>1</sup>	3.		1015	L	<del> </del>		<u> </u>
252	15호 miles	do.	do.	1917				
	southeast							
257	$16\frac{1}{2}$ miles	do.	do.	1913		<del> </del>	ļ	
200	southeast	ao.	αο.	1919				- <del>-</del>
254	18 miles	3.5		<del> </del>	50	<del> </del>	<del> </del>	<del> </del>
۵ ئا <del>دا</del>	southeast	do.			±			1
255	19½ miles	do.		<del> </del>	40	5-	<b> </b>	<del> </del>
200	southeast	Ψ.			(±1)	3/16		
256	20 miles	do.			53	<del>3/10</del> 5-	<del> </del>	
200	southeast	]			"	3/16		
257	18 miles	do.		<del> </del>	40	5-		<del> </del>
201	southeast				1	3/16		1
	1000010000	1		<u> </u>	<del> </del>	1 0/10	J	<del> </del>

All wells are drilled unless otherwise stated in remarks.

			are dri	lled				ted in remarks.
	Water :				3	ld test		
ell	Depth	Date of	Method	Use	parts	per mil		
1 <sup>T</sup> O .	below top	measure	of	of	Chlo-	Hard-	Sul-	Remarks
	of casing	ment	lift	water	ride	ness	phate	
	(feet)	1933	a/	b/		<u>c/</u>	d/	
			<b></b> -i	'				
239	15.5	April 27	W	S	600	800	200	Santa Cruz well. Casing: 45
							į .	feet of 5-3/16-inch. Tem-
240	13.1	do.	W	S	380	330	150	Guajalote perature 74° F.
	-					•		well. Casing: 40 feet of
								5-3/16-inch. Temperature 73
241	16.0	do.	W	S	450	550	100	Juanita well. Tempera- F.
								ture 75° F.
242		d٥.	Flow	S	4.000	2.200	2.000	Rodero well. Measured yield,
220		~ •			1			48 gallons a minute.* Tem-
243		do.	77		2,400	1 800	300	Corrales perature 86° F.
5.0					, 2, 100	1		Colorado well.
244	25.0	do.	7,1	D,S	190	700	50	San Jose Ranch well, Tem-
LTT	20.0	uc.		D,~	100	1	30.	perature 76° F.
245	20.0	do.	Tv	S	900	1,800	100	Burro well. Temperature 76°
とせり	20.0	ac.	**		300	1,000	100	F.
246	32.3	do.	W	s	500	550	50	Mesquite well. Casing: 52
ಎ∓೦	02.0	40.	**	3	500	350	30	least of 5 7/2 inch
247	2.5	do.	W	8	1,200	1,500	200	feet of 5-3/16-inch. Nido well. Casing: 15 feet
241	2.0	do.	44	٥	1,200	1,500	200	Mido well. Casing: 15 1990
								of 6-5/8-inch and 20 feet of
640			T33		700		100	5-3/16-inch. Temperature 75
248		do.	Flow	S	700	180	400	Don Triste well. Mea- F.
	4							sured yield,64 gallons a
								minute.* Temperature 92° F.
249	9.0	do.	71	S	550	550	100	Mujeres well. Temperature
								77° F.
2 50	35.0	do.	W	S	1,000	2,000	100	San Luis well, Casing: 60
								feet of 6-5/8-inch. Tempera-
251		do.	Fl∩w	S	470	520	380	Charco Blanco ture 76° F.
								well. Casing: 237 feet of
							Ì	$6-5/8$ -inch, 777 feet of $4\frac{1}{2}$ -
						İ		inch, $408$ feet of $3\frac{1}{4}$ -inch,
						1	1	and 99 feet of 22-inch. Mea-
								sured yield, 7.5 gallons a
252		do.	Flow	S	420	1,100	800	Taride Ranch well. minute*
					1			Measured yield, 2.0 gallons
							1	a minute.* Temperature 85° F.
253		do.	Flow	S	4,000	;3,500	2,000	Salado well. Estimated
					} !	1		yield, 1 gallon a minute.*
254		do.	IJ	S	110	75	80	Huisa- Temperature 88° F.
					L		<u> </u>	chito well, Temperature 760
255	9.0	April 28	V	S	2 60	4 50	200	Calandria well. Tem- F.
						l		perature 74° F.
256	25	do.	TT VI	S	1,000	1,000	300	Mota Mesquites well. Tem-
								perature 76° F.
257	30.0	do.	M	S	1,400	1,000	250	Tio Moya well. Temperature
			i					77° F.

		Records of well	s in Kenedy Cou	nty -(	Continu	ıed		
***************************************			he was a second and a second an	***************************************				aring bed
Well	Distance	Owner	Driller	Date	Depth	i i	Depth	Thick-
No.	from			com-	of	eter	to top	ness of
	Norias				well	of	of bed	bed
				ted	(ft.)		(ft.)	(ft.)
					<u> </u>	(in.)		
258	17호 miles	H. M. King	Henry Curry	1920	1,381	6-		
	southeast	Est.			•	5/8	1	
					1		-	
- 656	00 11			7.05		ļ		
259	20 miles	do.	Foward Curry	1925				
0.00	southeast		do.	770 70			<u> </u>	
260	21 miles	do.	do.	1930				
	southeast							
0.07					ļ <b>-</b>	<u> </u>		
201	17g miles	do.	do.	1925				
	southeast							
262	20 miles	do.			50	5-		
202	southeast	uo.			1 30	3/16	1	
263	23 miles	do.	Howard Curry	1930		0/10		
200	southeast	du.	110ward ourry	1330				
	Southeast			1		i		

e/W, windmill.

b/S, stock; D, domestic; N, not used; R.R. railroad locomotives; I, irrigation.
c/Hardness as calcium carbonate determined by the scap 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 dri	illed ·	unless	etherw:	ise sta	ated in remarks.
	Water	level			Fie	ld tes	ts	Transmission (also substitutes on tablespace from their supraisor (sign) suppose of substitute disputable control. (ii) in a 5 to 10
11	Depth	Date of	Method	Use	parts	per mil	llion	
	below top	measure-	of	of	Chlo-	Hard-	Sul-	Remarks
	of casing	ment	lift	water	ride	ness	phate	
	(feet)	1933	a/	b/		<u>o/</u>	d/	
							7	
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 $4\frac{1}{4}$ -inch,
						ļ	1	and 420 feet of $3\frac{1}{4}$ -inch.
								Measured yield, 5.8 gallons
	diversity the second se							a minute.* Temperature 882°F.
259		April 28	Flow	S	650	1,300	600	Jaboncillo well. Measured
								yield, 27 gallons a minute.*
260	CA	do.	Flow	S	500	480	600	Medanos Temperature 90° F.
								well. Measured yield, 20
								gallons a minute.* Tempera-
261		April 27	Flew	\$	700	1,000	500	<u> </u>
		-						well. Measured yield, 16
								gallons a minute.* Tempera-
262			- T	S	2,000	3,300	200	Temperature ture 9120 F.
				:		1		76° F. Perico well.
263		April 29	Flow	S	1,800	550	600	In the second se
		*				İ	1	yield, 30 gallons a minute.*
	1			•	l	ł	1	m

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

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.

Th	ickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Driller's log of	well 65		Driller's log of we	ll 74 -Conti	nued
. redy Pasture Company.	La Mote	a del	Blue clay		
lotrille well.			and shell	- 15	160
Sand	18	18	Blue sand and rock		170
Sand and caliche	12	30	Water sand	<b>-</b> 65	235
Lime and rock	2	32	•		240
Sand	78	110	White clay and sand		260
Blue mud	8	118	Rock and white clay		1
	10	1 1	Plue clay and rock	- 10	270
Sand		128	Blue rock and sand		300
Sandy blue shale	22	150	Flint rock		310
Rock	2	152	Hard rock	- 30	340
Blue sandy shale			Dark sand and blue		
and shells	93	245	clay	- 20	360
Blue gumbo	70	315	Blue salt send -		380
Shell rock	3	318	Plue clay	- 20	400
Light blue mud	52	370	Thite and blue clay	- 8	408
Light blue mud and			Hard rock	- 4	412
shell rock	90	460	Rock and clay -	- 8	420
Rock	1	461	Reck	<b>-</b> 30	4 50
Blue mud, gypsum and			Fock and sand -	- 10	460
shell rock	8	469	Clay and rock -	- 20	480
Plue gumbo	56	525	Rock	- 10	490
Sand and caliche-	25	E50	, Pock and blue clay	- ±0 - 5	495
Blue and pink gumbo -	40	590	:		505
Sand, shale and	±,,	000	Plue clay		1
	20	610	Red and blue clay	<b>-</b> 5	510
01101110		1 :	Red and blue clay		
Sand	35	645	and rock	- 4	514
Sand with red mud -	35	680	Rock	- 6	520
Red mud	20	700	Rock and sand -	<b>-</b> 5	525
Send	35	735	Rock and clay -	- 15	540
Rad mud	5 <del>9</del>	794	Sand and clay -	- 10	550
and	70	864	Blue clay	- 10	560
: -d mud	4	868	Red and blue clay	<b>-</b> 10	570
			Red clay	<b>-</b> 5	575
		-	Red and blue clay	- 20	595
Driller's log of	$^{\circ}$ well $74$		Hard rock	<del>-</del> 5	600
			Blue clay	- 20	620
Kenedy Pasture Company.	Manuel	a well at	Blue and red clav	- 15	635
La Parra Ranch.			Sand and blue clay	- 10	645
Salt sand	20	20	Blue and red clar	- 10	655
Caliche rock	5	25	Rock	- 10	665
Sand rock	7	32	Red clay and sand		675
White clay	3	35	Rock and send -	<b>-</b> 5	680
Rock	5	40	Red clay and sand	<b>-</b> 5	685
Blue rock	20	60	Red clay and water	Ü	
Sand rock	10	70	sand	- 10	695
	20	90	Thite clay and sand		705
Little hard rock-		1			<b>i</b>
Sand rock	40	130	Red clay	<b>-</b> 30	735
Rock and clay	10	140	Water sand	<del>-</del> 5	740
White clay	2	142 '	Mater sand and rock		745
White and blue	_	1	Good water sand -		832
clay	2	144	Thite clay	- 8	840
Blue shell	1	140	MRANE COM. The major of Application and the sales are seen accommission on a series and		

	Thickness (feet)	Depth (feet)	Thickness Depth (feet) (feet
Driller's log of	f well 82		Driller's log of well 96 -Continued
Kenedy Pasture Company	. Rosita	well.	Rlue clay 25   745
Sand	10	10	Red clay 5 750
Sand rock	10	20	Mixture blue clay
Salt water sand	10	30	and sand 15 765
White clay and rock -	10	40	Rock 3 768
Salt water sand	10	50	Hard sand and shell
Blue clay	50	100	roek 25 793
Rock	5	105	Hard muddy sand 20 813
Salt water sand	10	115	Sand 10 823
White clay	25	140	Concrete formation - 10 833
Sand	40	180	Rock 2 835
Rock	5	185	Concrete formation - 30 865
Brown clay	17	202	Blue mud and shells - 43 908
Shell	8	210	Red clay 25 933
White sand	10	220	Sand 25 958
Blue clay	80	300	Red clay 40 998
White sand	20	320	Hard sand and shells - 20 1018
Rock	10	330	Sand 40 1058
White sand	24	354	Red clay 37 1095
Hard rock	6	360	Sand 60 1155
		1 1	Red clay 8 1163
OTTER SEED OF SEED	15	375	Ned clay 0   1103
Blue clay and	<b>n</b> -c	450	
boulders	75	450	Devillants law of well 110
Hard rock	10	460	Driller's log of well 118
Blue clay	20	480	Voneda Dantum Garage
Thite sand	30	510	Kenedy Pasture Company, Rincon de San
White rock	20	530	Francisco well.
Blue clay and sand -	49	579	Fine white sand 20 20
Rock and shale		590	Caliche 15 35
Blue clay and boulders		700	Mixed blue clay and
Gypsum	10	710	sand 275 310
Blue clay		819	Blue clay 50 360
Red clay	86	905	Sand, shell and
Water sand	- 15	920	gypsum 200 560
Red clay	- 43	963	Blue mud, shell and
Rock	- 20	983	gypsum 130 690
Sand	- 10	993	Blue mud and gypsum - 50 740
Blue clay	- 5	998	Water sand 25 765
Hard rock	- 8	1006	Red and green mud 90 855
Brown clay	- 19	1025	Water sand 20 875
Red clay	<b>-</b> 22	1047	Blue elay, gypsum
Water sand	<b>- 2</b> 0	1067	and rock+ + 75 950
			Hard red mud 30 980
			Sand 30 1010
Driller's log or	f well 96		Hard red mud + 55 1065
And the second s			Water sand 30 1095
Kenedy Pasture Company	. Nido w	ell.	Hard red mud 75   1170
Sand	200	200	Water sand 35   1205
Blue clay	200	400	Hard sand 15 1220
Wixture of sand, shell		1	Hard white clay - 18 1238
gypsum and clay	210	610	
Blue clay	80	690	
Sand	30	720	
<del>-</del> -	-	1	1

	Thickness (feet)	Depth (feet)	T	nickness (feet)	Depth (feet)
Driller's lcg of	well 124		Driller's lcg of wel	1 127 -00	ntinued
	erde varificaciones um		Dillion 5 10g Or Wor	1 167 "00.	10111404
Kenedy Pasture Company	7. Agujas	well.	Sand, shell and mud -	64	684
Sand	- 12	12	Fine white sand	105	789
Shell		17	Blue clay and shell		
White sand	<b>- 3</b> 8	55	mixed	40	829
White clay	- 45	100	Red and blue clay		]
Brown clay	- 35	135	mixed	20	849
Rlue clav	- 55	190	Rock	1	850
Rock	- 10	200	Blue clay	21	871
Sand	- 20	220	Clay, sand and shells	27	0/1
Rlue clay and boulders	s <b>-</b> 40	250	mixed	29	900
Brown clay	<b>-</b> 30	290	ard sand and shell	20	1
Blue clay	- 106	396	rock	30	930
Sand		416	blue clay and shell	30	1
Blue clay	- 42	458	rock	<b>3</b> 5	965
Rock	- 6	4 64	Sand and shell mixed -	33	998
Brown clay	- 73	540	Blue clay	27	1025
Blue clay	- 70	610	Rock	2	1027
Rock and sand		645	Blue clay and shell	۵	1001
Sand	- 25	670	rock	28	1055
Blue clay and	~ ~		1	20	1035
gypsum	- 70	740	Hard sand and blue	19	1074
Blue sand and boulders		805			1
Shell	<b>-</b> 5	810	Blue clay	41	1115
ink cray and gypsum .		863	Red and blue clay	57 A	7740
Plue clay and rock -		966	mixed	34	1149
•	- 24	990	Sand	6	1155
Slue clay and	~ & <del>1</del>		Red clay	40	1195
boulders	- 19	1009	Sand	15	1210
	<b>-</b> 41	1050	Red clay	35	1245
Will of Care	- 41	1050	Sand	30	1275
Blue clay and	70	1000	Red clay	40	1315
boulders	<b>-</b> 30	1080	Sand	25	1340
White sand	- 10	1090	Red clay	35	1375
Gypsum and red clay -	- 10	1100	Sand and sand rock -	15	1390
Sand	- 10	1110	Sand rock	3	1393
Rock	- 5	1115	Red clay	9	1402
Red clay	- 140	1255			
Water sand	- 23	1278			
the supplement of the state of			Driller's lcg of	well 141	
Driller's log or	f well 127	;	Kenedy Pasture Company.		
Vanadas Da aksasas Gassas	Diman	Emaina	Sand and shell	200	200
Kenedy Pasture Company	y, Rincon	FUGIUS ,	Rock	50	250
de la Cruz well,	2		Rock and shell in		
Surface sand	<b>-</b> 6	6	sand	50	300
Water sand	- 54	60	Send and shell	40	340
Caliche and sand			Rock and shell	30	370
mixed	- 40	100	Rock	10	380
Sand	- 175	275	Blue clay	20	400
Dlue mud	_ 05	370 i	10.7.	3 =	1 475

95

150

40

60

370

520

560

620

Sand rock-

Clay rock-

Hard rock-

15

15

10

(Continued on next page.)

415

430

440

Blue mud -

Hard sand-

Shell and rock

Sand -

Thickness	Depth	Thickness Lenth
(feet)	(feet)	(feet) (fre
Driller's log of well 141 -Con	tinued	Drilleric log of well 145
Appendix of the second section is thought of the second se		Driller's log of well 145
Plue clay in sand 60	500	H. M. King Fstate. Mangel well.
Sand and clay 20	520	First water sand 420
Rock in shell 25	545	Red clay 150 570
Elue sand and shell - 25	570	Sand 50 620
Blue sandy clay 15	585	Red clay 70 690
Hard rock 40	625	Good sand 36 726
Rock and clay 25	650	dood sand=
Clay 25	675	Management contains of the con
Rock in sand 10	38.5	Twilloute less of well 177
Sand clay 65	750	Drillar's log of well 177
Clay 25	775	· II · A · Winner Bedada · Commanda · · · · · · · · · · · · · · · · · · ·
Clay and sand 10	785	H, '. King Fstate. Sergeant well.
Rock and blue clay - 35	820	Clay 12   12
Rock in sand 10	870	(alicho 10 22
Blue clay 20	830 .	and 8 30
Blue clay in rock 25	878 1	Gunco 4 34
,	890	Send 23 55
· ·		Gumbo 82 139
Blue and red clay 150	1020	Sand 47 186
Red clay 20	1040	Gumbo 87   273
Rock in water sand - 5	1045	Sand rock 9 282
Black water sand		Sand 7 289
under red sand 20	1065	Gumbo and boulders - 51 340
Hard rock and sand 5	1070	Sand 19 359
Sand 30	1100	Send rock 11 370
£-d clay 80	1180	Mud and sand 118 483
nd 10	1190	Sand rock 41 529
3 d clay 60	1250	Gumbo 21 550
Sand 35	1285	Sand rock 13 563
		Gumbo 17 580
		Sand rock 21 601
Driller's log of well 144		Sand 14 618
		Gumbo 30 645
H, M. King Estate. Patricio well		Sand rock 9 654
Sand 30	30	Sand 22 676
Thite clay 40	70	Gumbo 2 678
Soft rock and white	İ	Sand rock 3 681
clay 110	180	Sand 24 705
Red clay 220	400	Sand rock 6 711
Vater sand 30	430	Sand 24 738
Red clay 110	540	Gumber 28     763
Water sand 30	570	Sand 20 783
Rod clay 50	620	
Water sand 25	645	
Red clay 22	667	Sand 9 813
Water sand 59	726	Cambo 41 854
na ooi bana - oo	100	Sand rock 6   860
		(Continued on next page,)

Thickness (feet)	Depth (feet)	Thickness Depth (feet) (feet)
Driller's lcg of well 177 -Con		Driller's log of well 188 -Continued
Gumbo 30	890	Gumbo 101   1054
Sand 30	920	Sand rock 12 1066
Gumbo 22	942	Gumbo 14 1080
Sand 18	960	Sand rock 12 1092
		Gumbo 18 111C
and the state of t		Cap rock 8 1118
Driller's log of well 188		Sand 28   1146
H. M. King Estate. Banderitas we	11.	
Soil 4	4	Driller's log of well 194
Clay 9	13	The second secon
Caliche 8	21	H. M. King Pstate. Concha well.
Gumbo 15	36	Soil 4   4
Sand 26	62	Clay 8 12
Gumbo 14	76	Caliche 8 20
Sand 11	87	Sand 3 23
Gumbe 17	104	Gumbo 17 40
Sand 8	112	Sand 23 63
Gumbo 35	147	Sand rock 6 69
Mud and sand 45	192	Gumbo 91 160
Gumbo 45	237	Sand 11 171
Sand 17	254	Gumbo 49 220
Sand rock 5	259	Sand rock 20 240
Mud and shell 143	402	Gumbo 30 270
Gumbo and boulders - 16	418	Sand rock 14 284
Sand 22	440	Sand 32 316
Sand rock 6	446	Sand rock 16 332
Mud and shell 56	502	Gumbo 44 376
Gumbo and boulders - 38	540	Gravel 4 380
Gumbe 40	580	Gumbo 16 396
Sand 13	593	Mud and shell 120 516
Gumbo 41	634	Gumbo and boulders - 38 554
Send rock 8	642	Send rock 22 576
Sand 6	648	Sand 12 588
Gumbo 6	654	Gumbo 42 630
Rock 2	656	Sand rock 22 652
Sand 3	659	Sand 22 674
Rock 5	664	Sand rock 22 696
Gumbo 8	672	Gumbo 67 763
Sand 12	684	Sand rock 28 791
Sand rock 8	692	Sand 23 814
Gumbo 52	744	Sand rock 12 826
Send 23	767	Gumbo 44 870
Rock 1	768	Sand 20 890
Sand 16	784	
Rock 1	785	
Sand 11	796	Driller's leg of well 198
Gumbo 7	803	Principles of presidents for an internal of Secretary surveys assessment constitutions.
Sand rock 5	808	H. M. King Tstate, San Salvador well.
Send 88	896	Soil 12   12
Sand rock 14	910	Caliche 9 21
Gumbo 32	942	Gumbo8 29
Sand rock 11	953	(Continued on next page.)

- 54 Table of Drillers' Logs, Kenedy County -Continued

				kness feet)	Depth (feet)				er ellentrik zente itt mi			ckness feet)	Depth (feet
Driller's	log	; of	well	198 <b>-</b> C	ontinued		Dril	ler's	log	of	well	198 -	Continue
Sand Gumbo Gumbo Gumbo Gumbo Sand Gumbo Sand			-	11 12 16 116 5 105 27 43 11	40 52 68 184 189 294 321 364 375	Sa Gu Sa Sa Gu Sa	nd ro nd - mbo- nd ro nd - nd ro mbo- nd ro	ock- - ock-			-	12 4 93 5 14 14 9 28 83	60 60 70 70 72 73 74 77 85
Gumbo Mud and sand	 	-	-	34 23	409 432	, Sa	nd ro nd -	ck-	<u>-</u>	-	_	19 17	87 89
Gumbo Boulders - Gumbo Sand rock- Sand Gumbo	-	-	-	29 35 34 11 13 38	461 496 530 541 554 592	Gu Sa Gu Sa: Sa: Gu	mbo- nd ro mbo- nd ro nd - mbo- nd -	~		-	-	21 23 64 12 20 11 21	91 93 99 101 103 104

- 55 - Analyses of water from wells in Kenedy County, Texas

					1		
Well	Owner	Date of	Total	Silica	Iren	Calcium	Magnesium
No.		collection	dissalved	(Sira)	(Fe)	(Ca)	(Mg)
			solids	~			
				<u> </u>		j	
5	McGill Bros,	Apr. 14, 1933	782	25	0,17		12
7	de,	May 8, 1933	a/ 514	and age	.24	15	9.0
	Andres Turcotte	Mar. 3, 1913	a/ 980		<u> </u>		
29	Missouri Pacific	do.	a/1,300		<u></u>	***	
	Railroad						
	Kenedy Pasture Co.	do.	a/ 950		0		
71	do.	do.	a/1,000		<u>. O</u>		
73		do.	a/1,2∩0		0		
117	do.	Apr. 5, 1933	a/1,030	Des agg		9,0	3.1
121	do.	Apr. 4, 1933	a/2,687			<u>d</u> ∕52	
135		Apr. 7, 1933	1,892	23	,19	21	6.3
	Armstrong Ranch Co.	Mar. 3, 1913	a/1,200		(,		
163	do.	do.	a/1,200		0		
164	do.	do.	a/1,300		0		44 <b>94</b>
165		do.	a/1,900		1.4		
169	Missouri Pacific	do,	a/1,100		(		- M
	Railroad	-					
171	do.	ipr. 18, 1933		30	.26	12	4.4
	Armstrong Ranch Co.	Mar. 3, 1913	a/1,200		0		
173	do.	do.	a/1,200		0		
174	do.	do.	a/1,300		n		
175	do.	do,	a/1,500		C		
176		Mar. 22, 1913			.2	12	5.0
176		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		Apr. 26, 1933	1,586	22	.21		4.4
248	de.	Apr. 27, 1933	2,494	25	.26	38	15
0/001	culated						

a/Galculated.
b/Determined.

**-** 56 **-**

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

	I		<del></del>	T	7		Γ	
Well	Sodium	Potas-	Bicar-	Sul-	Clilo-	'Nitrate	Total	Analyst
$M \circ $	(Na)	sium	bonate			$(NO_3)$	hardness	
		(K)	(HCO <sub>3</sub> )	$(SO_A)$	(c1)	, , , ,	as CaCOz	
			. 5.	T.	1	;	(calc.)	
5	232	13	332	165	140	2.8	127	Margaret D. Foster
7	<u>a</u> /180		304	72	100	0	74	do.
25	<u>a</u> /340		335	265	168	or my	<u>b</u> /106	W. T. Read c
29	a/440		217	431	272		b/122	do.
64	a/370		266	202	244		b/ 36	do.
71	<u>a</u> /350		293	238	232		b/114	do,
73	a/430		270	344	284		b/126	do.
-117	a/389		234	208	335	. 90	35	Margaret D. Foster
121	a/852		194	1,267	470		b/288	do,
135	652	12	172	501	605	.50	80	
161	a/430		183	344	300		b/ 76	W. T. Read c/
163	a/430		232	328	272		<u>b</u> / 54	do.
164	<u>a/470</u>	•	212	362	312		b/ 50	do.
165	<u>a</u> /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	335		42	do.
176	486	11	264	413	335	.25	47	Margaret D. Foster
177	<u>a</u> /467		156	513	302	. 50	73	do.
218	542	10	262	527	340	.40	48	do.
248	820	16	224	816	580	<b>.</b> 60	156	do.

c/Sample collected by David Donoghue under the supervision of Alex. Deussen.  $\overline{\mathrm{d}}/\mathrm{By}$  turbidity.

