

**TEXAS WATER DEVELOPMENT BOARD**

**REPORT 148**

**WATER WELL AND GROUND-WATER CHEMICAL  
ANALYSIS DATA, STERLING COUNTY, TEXAS**

**By**

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# WATER WELL AND GROUND-WATER CHEMICAL ANALYSIS DATA, STERLING COUNTY, TEXAS

## PURPOSE AND SCOPE

The purpose of this report is to present basic ground-water data collected in Sterling County during January, February, and March 1968; and March, April, and May 1969. Historical records pertinent to this investigation have also been included. Data presented include locations and descriptive information for 422 wells and 10 springs, and the results of 278 chemical analyses of water.

The investigation in Sterling County is part of an overall regional investigation of the ground-water resources of the Edwards Plateau, a study encompassing all or parts of 26 counties. The Edwards Plateau study will determine and describe the occurrence, availability, and chemical quality of the ground-water resources in the region.

This report contains the basic data collected in Sterling County and is one of a series of similar basic data reports on selected counties in the Edwards Plateau region. Reports in this series have been published for Schleicher, Glasscock, Reagan, Irion, and Sutton Counties.

## LOCATION AND EXTENT

Sterling County is located in the west central portion of Texas on the northern edge of the physiographic province known as the Edwards Plateau. It is situated approximately between 100°50' and 101°15' west longitude and 31°33' and 32°05' north latitude. The county is bounded by Tom Green County on the south, Coke and Tom Green Counties on the east, Mitchell and Howard Counties on the north, and Glasscock and Reagan Counties on the west (Figure 1).

Sterling County covers an area of 914 square miles and has altitudes ranging from 2,200 to 2,700 feet above mean sea level.

## METHOD OF INVESTIGATION

The Sterling County Agricultural Stabilization and Conservation Committee office of the United States

Department of Agriculture was visited to obtain information about location of the farms and ranches throughout the county and their owners and lessees.

A representative number of wells and springs throughout the county were visited, including domestic and livestock, irrigation, industrial, and public supply wells. Public officials, land owners, and lessees were contacted to obtain all available information on each well or spring. Where possible, the static water level and depth of each well were measured (Table 1). Water samples for chemical analysis were taken from representative wells (Figure 3 and Table 2).

Altitudes of land surface at wells were determined from U.S. Geological Survey 7½-minute topographic maps, where available (on Figure 3, the area of quadrangles XP-28-62, 63, 64; XP-29-57, 58; and XP-44-06, 07, 08, 14, 15, and 16). Most other elevations in the report were determined with a Paulin altimeter.

Aerial photographs were used where needed in locating wells and springs within the sections and surveys on the county land ownership map.

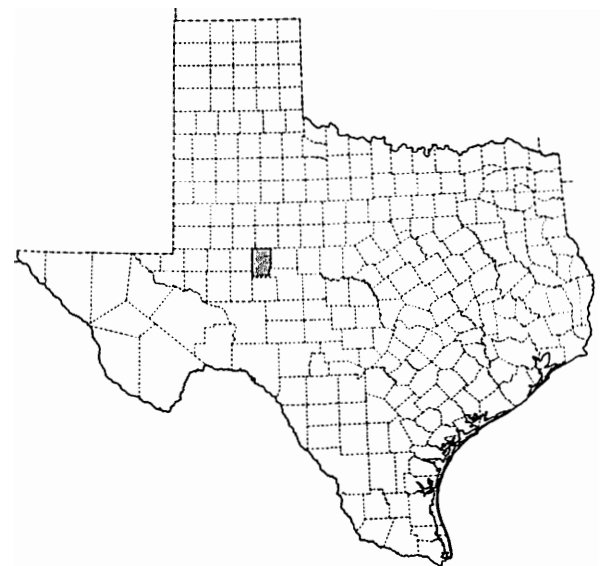


Figure 1.—Location of Sterling County

## HISTORICAL DATA

In February, March, and July 1941, the Texas Board of Water Engineers in cooperation with the United States Geological Survey jointly sponsored W. O. George and J. C. Dalgarn in their work on Project No. 17276 of the Works Progress Administration. As a result of this work, a report titled *Sterling County, Texas, Records of Wells and Springs, Drillers' Logs, Water Analyses, and Map Showing Locations of Wells and Springs* was published by the Texas Board of Water Engineers in 1942.

This work was augmented in 1961 by V. M. Shamburger as part of the fieldwork in preparation of *Reconnaissance Investigation of the Ground-Water Resources of the Colorado River Basin, Texas*, Report 51, Texas Water Development Board, 1967. The basic ground-water data collected in Sterling County for this reconnaissance investigation were not tabulated in that report although the data were used in interpretative work for the investigation.

Information from these past investigations has been included in this report in those cases where a well or spring included in the past investigation was revisited. Also included in the report are the static water levels of wells in Sterling County which are measured each year as part of the statewide water-level observation program of the Texas Water Development Board. These observation wells are noted in the remarks column of the well tabulations (Table 1).

In addition, historical information on one well, XP-28-62-909, has been included from the Texas Board of Water Engineers duplicated report, *Glasscock County, Texas, Records of Wells, Drillers' Logs, and Water Analyses, and Map Showing Location of Wells*, (1937). This well is actually located in Sterling County but had been included in the 1937 Glasscock County report.

## WELL-NUMBERING SYSTEM

The numbers assigned to wells and springs in this report conform to the statewide well-numbering system used by the Texas Water Development Board. Each well is assigned a number to facilitate record keeping, electronic data processing, and locating the well within the State. The system is based on division of the State into quadrangles formed by lines of latitude and longitude, and repeated division of these quadrangles into smaller ones as illustrated in Figure 2.

The largest quadrangle, a 1-degree quadrangle, is divided into sixty-four 7½-minute quadrangles. Each 1-degree quadrangle in the State has been assigned a number for identification. Sterling County is located within 1-degree quadrangles 28, 29, 43, and 44. The 7½-minute quadrangles are numbered consecutively from left to right beginning in the upper left hand corner of each 1-degree quadrangle. The 2½-minute quadrangles in each 7½-minute quadrangle are similarly numbered from 1 to 9.

The first two digits of a well number identify the 1-degree quadrangle, the third and fourth digits identify the 7½-minute quadrangle, the fifth digit identifies the 2½-minute quadrangle, and the last two digits designate the order in which the well was inventoried within the 2½-minute quadrangle. In addition to the 7-digit well number, a 2-letter prefix is used to identify each county. The prefix for Sterling County is XP.

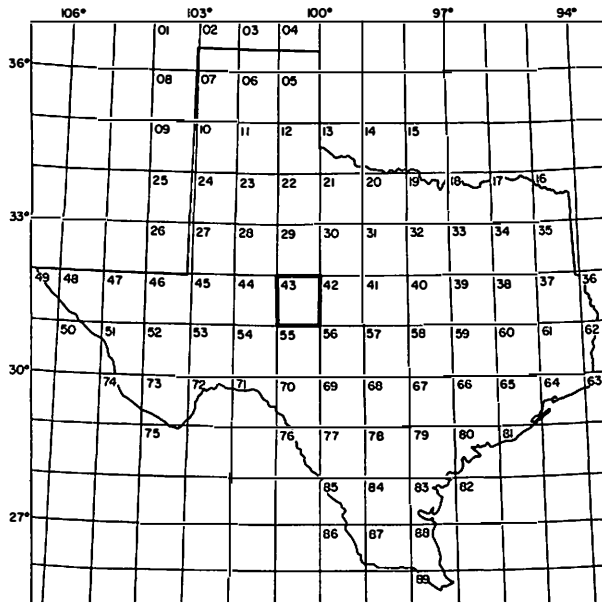
On the well location map (Figure 3), only the last three digits of the well number are shown at the location of the well; the second two digits are shown in the northwest corner of each 7½-minute quadrangle; and the first two digits are shown by the large block numerals 28, 29, 43, and 44.

## ACKNOWLEDGEMENTS

The author expresses his thanks to the ranchers, farmers, and other citizens of Sterling County whose interest and cooperation made this investigation possible. Special thanks go to Mr. Charles Probandt, Office Manager, and Mrs. John (Roxie) Brock, Office Clerk, of the Sterling County Agricultural Stabilization and Conservation Committee office of the United States Department of Agriculture. Their kind assistance in making aerial photographs available for locating wells and for furnishing information on the outlines of the farms and ranches of the county was invaluable.

## PERSONNEL

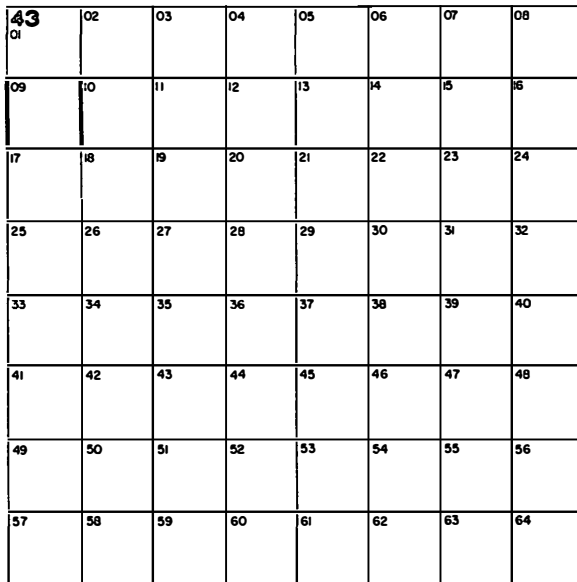
Texas Water Development Board personnel who assisted in collecting and compiling the data included in this report are geologists James R. Pool, Herbert E. Couch, and Richard D. Preston.



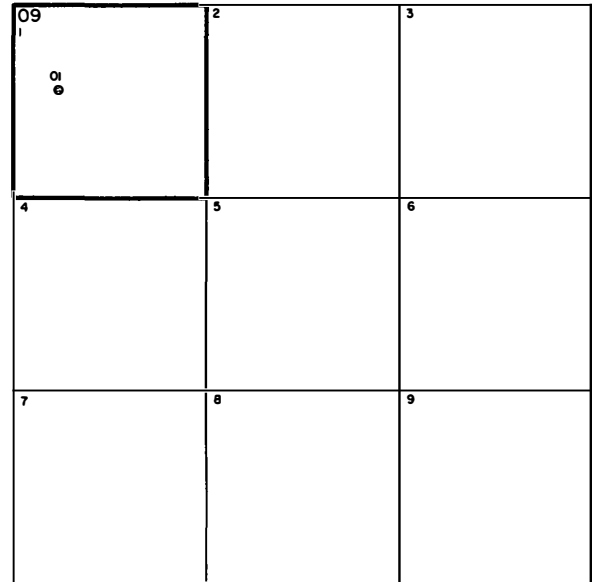
1 - degree Quadrangles

Location of Well 43-09-101

- 43 1 - degree quadrangle
- 09 7 1/2 - minute quadrangle
- 1 2 1/2 - minute quadrangle
- 01 Well number within 2 1/2 - minute quadrangle



7 1/2 - minute Quadrangles



2 1/2 - minute Quadrangles

Figure 2  
Well-Numbering System

Table 1.--Records of Wells and Springs in Sterling County

All wells are drilled unless otherwise noted in remarks.

Water-bearing unit : Qal, Quaternary alluvium; Kea, Edwards and associated limestones; Kt, Trinity sand; Trs, Santa Rosa Sandstone; P, Permian rocks.

Altitudes of land surface : Determined from U.S. Geological Survey 7 1/2-minute topographic maps where available, and by Paulin altimeter.

Water levels : Reported water levels are given in feet; water levels measured with an electric line are given in feet and tenths of a foot; water levels measured with a steel tape are given in feet, tenths, and hundredths of a foot.

Method of lift and type of power: C, cylinder; Cf, centrifugal; E, electric; G, natural gas, butane, or gasoline; H, hand; J, jet; N, none; S, submersible; T, turbine; W, windmill.

Use of water : D, domestic; Ind, industrial; Irr, irrigation; N, none; P, public supply; S, livestock.

WELL	OWNER	LESSEE OR TENANT	DATE COMPLETED	DEPTH OF WELL (FT)	CASING		WATER-BEARING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAMETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
*28-62-606	W.N. and L.R. Reed	--	--	180	--	--	Kt	2,670	135 176.0	Apr. 25, 1941 Sept. 1, 1966	C,W	S	Well 1. <u>1</u>
* 908	do	--	1925	132	5-1/2	5	Kt	2,682	121.47 170.7	Apr. 25, 1941 Sept. 13, 1966	C,W	S	Well 18. <u>1</u>
* 909	Mrs. S.G. Childress	W.N. and L.R. Reed	1931	204	10	15	Kt	2,675	151.7 155.9	Mar. 18, 1937 Sept. 13, 1966	C,W	S	Well 95. <u>2</u>
* 63-103	Mary Hunter and Pattie Batjer	David Drenman	--	Spring	--	--	Kt	2,476	--	--	--	--	Estimated flow 1/2 gpm.
* 203	do	do	--	Spring	--	--	Kt	2,473	--	--	--	--	Known as Spring Tank. No flow seen. Water stands in hole of creek bed.
* 402	do	do	--	51	6	--	Kt	2,530	40.5	Apr. 3, 1969	S,E	D	
* 403	do	do	1930	134	5	--	Kt	2,634	99.2	do	C,W	N	
* 404	do	do	1920	104	6	--	Kt	2,591	88.6	do	C,W	S	
* 501	do	do	1920	92	9	--	Kt	2,557	65.9	do	C,W	S	
* 502	Nellie P. Sellers	Perry Matthews	1937	80	--	--	Kt	2,500	--	--	C,W	S	
* 503	Nellie P. Sellers, et al.	do	1935	81	4	81	Kt	2,545	54.10	May 14, 1941	C,W	S	Well 4. <u>1</u>
* 504	Nellie P. Sellers	do	1937	92	5-1/2	--	Kt	2,549	71.90 72.0	do Apr. 8, 1969	C,W	S	Well 3. <u>1</u>
* 505	do	do	1900	99	6	--	Kt	2,560	83.05 83.9	May 14, 1941 Apr. 8, 1969	C,W	S	Well 5. <u>1</u>
* 506	Nellie P. Sellers, et al.	do	1900	90	5-1/2	80	Kt	2,535	57.60 60.01 59.5	May 14, 1941 July 27, 1961 Apr. 8, 1969	C,W	D,S	Well 9. <u>1</u>
* 602	Nellie P. Sellers	do	1937	60	6	--	Kt	2,512	49.00	May 14, 1941	C,W	S	Reported yield 2 to 3 gpm. Well 6. <u>1</u>
* 603	do	Perry Matthews	1930	69	8	20	Trs	2,403	43.64 37.0	May 13, 1941 Apr. 4, 1969	C,W	S	Well 7. <u>1</u>

See footnotes at end of table.

Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COMPLETED	DEPTH OF WELL (FT)	CASING		WATER-BEARING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAMETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
*28-63-604	Nellie P. Sellers	Perry Matthews	1935	58	4	40	Kt	2,452	30.60	May 13, 1941	C,W	S	Well 12. <u>y</u>
* 605	Nellie P. Sellers, et al.	do	--	41	5-1/2	20	Kt	2,480	22.30	do	C,W	S	Well 11. <u>y</u>
* 606	do	do	--	Spring	--	--	Kt	2,460	--	--	--	N	Reported not to flow in summer. Spring 10. <u>y</u>
607	do	do	--	18	42	--	Kt	2,478	16.1	Apr. 8, 1969	N	N	Dug well.
608	do	do	1936	52	5-1/2	40	Kt	2,478	16.00	May 14, 1941	C,W	S	Well 8. <u>y</u>
701	W.N. and L.R. Reed	--	1930	230	7-1/2	2	Kt	2,698	194.7	Sept. 13, 1966	C,W	S	
* 702	do	--	1920	130	5-1/2	20	Kt	2,641	98.59	Apr. 25, 1941	C,W	S	Well 17. <u>y</u>
802	N.H. Reed	N.J. Reed	--	118	9	--	Kt	2,548	90.80 92.9	July 27, 1961 May 28, 1969	N	N	Abandoned industrial well.
* 803	Nellie P. Sellers, et al.	Perry Matthews	1935	96	6	--	Kt	2,553	75.80	May 14, 1941	C,W	S	Well 22. <u>y</u>
* 804	do	do	1928	184	6	--	Kt	2,628	178.90 144.2	do Apr. 8, 1969	C,W	S	Well 21. <u>y</u>
805	do	do	--	154	5-1/2	--	Kt	2,612	141.50	May 14, 1941	C,W	S	Well 16. <u>y</u>
* 806	Nellie P. Sellers	do	1921	109	6	80	Kt	2,550	85.7 85.8	May 13, 1941 Apr. 8, 1969	C,W	S	Well 15. <u>y</u>
807	do	do	--	164	7	--	Kt	2,504	50.25	Apr. 3, 1969	N	N	Abandoned industrial well.
901	do	do	1925	36	6	20	Kt	2,462	20.40 21.3	May 14, 1941 Apr. 7, 1969	C,W	S	Well 24. <u>y</u>
* 902	do	do	1941	80	4-3/8	--	Kt	2,461	34.8	do	C,W	S	
* 903	do	do	1912	71	5-1/2	--	Kt	2,454	53.50 51.0	May 13, 1941 Apr. 7, 1969	C,W	S	Well 14. <u>y</u>
904	R.L. Brice	N.J. Reed	1967	85	7-1/8	--	Kt	2,523	74.2	May 28, 1969	N	N	Abandoned industrial well.
64-401	Nellie P. Sellers	Perry Matthews	1953	43	--	--	Qal	2,342	31.1	Apr. 4, 1969	N	N	Abandoned livestock well.
* 402	Mrs. D.D. Parramore	do	1939	94	5-3/4	--	Kt	2,454	72.1	Apr. 7, 1969	C,W	S	
* 403	Claude Collins Estate	Tom Crosler and Corwin Collins	1938	228	4	--	Trs	2,372	73.0	Apr. 9, 1969	C,W	S	
* 404	do	do	--	140	--	--	Kt	2,418	--	do	C,W	S	
* 501	do	do	--	--	6	--	Trs	2,407	40.3	Apr. 9, 1969	S,E	D,S	

See footnotes at end of table.

Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COM- PLET- ED	DEPTH OF WELL (FT)	CASING		WATER- BEAR- ING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAM- ETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
*28-64-502	Claude Collins Estate	Tom Crosler and Corwin Collins	--	Spring	--	--	Kt	2,370	--	--	--	--	Known as Headquarters Spring, Hackberry Ranch. Seeps into creek bed.
* 601	W.B. Durham Trust	William Foster	--	49	6	--	Qal, Trs	2,370	30.95 28.9	Dec. 5, 1960 Aug. 11, 1969	C,W	S	
602	Claude Collins Estate	Tom Crosler and Corwin Collins	--	39	--	--	Trs	2,372	25.60 24.8	Apr. 19, 1961 Apr. 9, 1969	C,W	S	
* 701	do	do	--	100	6	--	Kt	2,455	35.4	Apr. 20, 1961	C,W	S	
* 702	E. Aiken and V.T. McCabe, et al.	--	--	166	6	--	Kt	2,588	138.93 139.7	May 15, 1961 Aug. 19, 1969	C,W	S	
703	Claude Collins Estate	Tom Crosler and Corwin Collins	1965	152	--	--	Kt,Trs	2,522	127.5	Apr. 9, 1969	N	N	Abandoned industrial well.
* 704	E. Aiken and V.T. McCabe, et al.	--	--	--	7	--	Kt	2,518	--	--	S,E	Ind	
801	Claude Collins Estate	Tom Crosler and Corwin Collins	1960	105	7	--	Kt	2,475	72.75	Apr. 20, 1961	N	N	Abandoned industrial well.
* 802	do	do	--	48	--	--	Kt	2,432	42.2	Apr. 9, 1969	C,W	S	
803	do	do	--	--	8	10	Kt	2,515	--	--	N	N	Abandoned industrial well.
* 804	do	do	1920	70	6	--	Kt,Trs	2,424	35.5	Apr. 9, 1969	C,W	S	
901	J.C. Reed and A. Wood, et al.	Martin C. Reed	--	107	11-1/2	--	Trs	2,414	42.84 43.6	Apr. 20, 1961 Aug. 11, 1969	S,E	N	Abandoned industrial well.
903	Claude Collins Estate	Tom Crosler and Corwin Collins	--	64	--	--	Trs	2,420	48.9	Apr. 9, 1969	N	N	Abandoned domestic and livestock well.
*29-57-701	Katherine Atkinson	Jim Bob Clark	1952	163	4	163	Kt,Trs	2,498	--	--	C,W	D,S	
* 702	W.B. Durham Trust	William Foster	--	162	--	--	Kt	2,545	130.49 132.8	Apr. 19, 1961 Aug. 12, 1969	C,W	S	
703	Lelah D. Bird Estate	Jack Durham	--	--	--	--	Kt	2,619	142.37	May 11, 1961	C,W	S	
* 801	C.C. Ainsworth, et al.	Shorty Northcutt	1930	115	5	--	P	2,378	111.78 46.3	Apr. 25, 1961 Aug. 13, 1969	C,W	S	
*43-01-101	Lelah D. Bird Estate	Jack Durham	--	205	8-3/4	125	Kt	2,621	157.3	Aug. 11, 1969	C,W	S	
* 102	John C. Dorn	Pete Hanson	1967	142	7	--	Kt	2,540	101.9	Mar. 24, 1969	C,W	S	

See footnotes at end of table.



Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COMPLETED	DEPTH OF WELL (FT)	CASING		WATER-BEARING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAMETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
*43-01-301	John and C.J. Copeland	--	--	300	6	7	Kt,P	2,613	265.25 252.6	May 26, 1961 Apr. 24, 1969	C,W	D,S	
* 302	do	--	--	Spring	--	--	Kea	--	--	--	--	--	Known as Dripping Spring. Estimated flow 25 gpm in 1941; 2 gpm in 1969. Spring 130. <u>y</u>
* 303	do	--	--	290	--	--	Kt	--	245.30	May 26, 1961	C,W	S	
* 304	do	--	1935	132	8	8	Kt	--	--	--	C,W	S	Well 127. <u>y</u>
* 305	John and C.J. Copeland, et al.	John and C.J. Copeland	1935	218	8	--	Kt	2,613	192.00 198.1	June 13, 1941 Apr. 24, 1969	C,W	S	Well 126. <u>y</u>
* 306	John and C.J. Copeland	--	--	120	--	--	Kea	--	--	--	C,W	S	
* 401	W.D. Augustine	Tommy Augustine	--	138	--	--	Kt	2,522	94.75 86.2	Apr. 20, 1961 Aug. 14, 1969	C,W	D,S	
* 402	D.C. Durham Estate	W.B. Durham	1940	250	--	250	Kt	--	--	--	C,W	S	
* 501	Prebble D. Morgan	do	1937	157	5	--	Kea	2,622	153.80 112.3	Apr. 20, 1961 Apr. 24, 1969	C,W	S	
* 502	W.B. Durham	--	--	222	--	--	Kt	2,625	217.87	Apr. 20, 1961	N	N	Caved and abandoned.
* 503	D.C. Durham	W.B. Durham	1964	236	8	236	Kt	2,625	200.5	Apr. 25, 1969	C,W	S	
* 601	John and C.J. Copeland	--	--	227	6	--	Kt	2,617	204.40 205.7	May 17, 1961 Apr. 24, 1969	C,W	S	
* 602	do	--	1940	232	5-1/2	--	Kt	--	213.85	June 12, 1941	C,W	S	Well 124. <u>y</u>
* 603	P.B. Brown Estate	Billy Ralph Bynum	1940	250	--	--	Kt	--	--	--	C,W	S	
* 604	R.C. Bynum	do	1940	270	6	--	Kt	2,618	211.82 243.5	June 12, 1941 Apr. 24, 1969	C,W	D,S	Well 148. <u>y</u>
* 701	F.E. Davis	Jim Henshaw	1939	109	5-1/2	--	Kt	2,455	52.95 75.5	May 22, 1941 Mar. 25, 1969	C,W	S	Well 116. <u>y</u>
* 702	do	do	1929	108	5-1/2	--	Kt	2,513	8.20 82.3	May 22, 1941 Mar. 24, 1969	C,W	S	Questionable water level measurement in 1941. Well 115. <u>y</u>
* 801	do	do	--	84	--	--	Kt	2,431	75.00 73.5	May 23, 1941 Mar. 25, 1969	C,W	S	Well 117. <u>y</u>
* 802	do	do	1929	227	5-1/2	--	Kt	2,639	115.60 214.7	May 23, 1941 Mar. 26, 1969	C,W	S	Well 120. <u>y</u>
* 901	C.J. Copeland	Union Texas Petroleum	1955	300	8-3/4	300	Kt	2,356	258.85	May 17, 1961	N	N	Abandoned public supply and industrial well.

See footnotes at end of table.

Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COMPLETED	DEPTH OF WELL (FT)	CASING		WATER-BEARING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAMETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
43-01-902	C.J. Copeland	Union Texas Petroleum	1955	308	8-1/4	209	Kt	2,333	278.2 209.4	May 17, 1961 Apr. 23, 1969	N	N	Abandoned public supply and industrial well. Questionable water level measurement in 1969.
903	do	do	1955	300	8	300	Kt	--	--	--	T,E	Ind	Measured yield 45 gpm.
* 904	F.E. Davis	Jim Henshaw	1929	103	5-1/2	--	Kt	2,495	52.70 78.9	May 23, 1941 Mar. 26, 1969	C,W	S	Well 119. <u>y</u>
* 905	John and C.J. Copeland	--	--	256	7	--	Kt	2,617	237.5	Apr. 23, 1969	C,W	S	
906	C.J. Copeland Estate	John and C.J. Copeland	--	127	6	--	Kt	2,506	120.9	do	N	N	Abandoned livestock well.
* 907	Fannie Copeland, et al.	do	1939	103	5-1/2	--	Kt	2,451	75.37 75.3	Apr. 1, 1941 Apr. 23, 1969	C,W	S	Well 156. <u>y</u>
* 908	J.E. Bynum Estate	Billy Ralph Bynum	--	265	--	--	Kt	2,618	200.6	do	C,W	S	
909	do	do	--	234	7	--	Kt	2,630	211.3	do	C,W	D,S	
910	F.E. Davis	Jim Henshaw	1965	165	7	115	Kt	2,489	114.4	Mar. 26, 1969	N	N	Abandoned industrial well.
* 02-101	Lou E. Johnson	Charlie Davis	1940	23	48	--	Qal	2,162	9.25 16.2	May 29, 1941 Apr. 22, 1969	C,W	D,S	Well 136. <u>y</u>
102	John and C.J. Copeland	--	--	Spring	--	--	Kt	--	--	--	--	--	Seeps from bluff and stands in creek. No flow seen.
* 103	do	--	--	Spring	--	--	Kt	2,318	--	--	--	--	Known as Big Spring. Spring 131. <u>y</u>
* 104	W.R. Davis, et al.	John and C.J. Copeland	--	Spring	--	--	Kt	--	--	--	--	--	Known as Knight Pasture Spring. Spring 132. <u>y</u>
401	R.C. Bynum	Billy Ralph Bynum	1955	305	8	305	Kt	--	--	--	N	N	Measured yield 15 gpm. Abandoned industrial well.
* 402	H. Knight, et al.	John and C.J. Copeland	--	34	5	--	P	2,296	18.50 24.30 23.0	June 11, 1941 May 23, 1961 Apr. 22, 1969	C,W	S	Pumping in 1961. Well 134. <u>y</u>
* 403	do	do	1953	299	7	299	Kt	2,598	261.5	do	C,W	S	
404	Lou E. Johnson	Billy Ralph Bynum	--	200	--	--	Kt	--	184	June 11, 1941	C,W	S	Well 151. <u>y</u>
* 405	H. Knight, et al.	John and C.J. Copeland	--	Spring	--	--	Kt	2,312	--	--	--	--	Known as Gasconade Creek Spring. Flowed 93 gpm for 9 months of 1941. Flowed 1 to 2 gpm in 1969. Spring 142. <u>y</u>

See footnotes at end of table.

Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COMPLETED	DEPTH OF WELL (FT)	CASING		WATER-BEARING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAMETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
43-02-701	R.C. Bynum	Billy Ralph Bynum	1955	300	6	--	Kt	--	--	--	N	N	Abandoned public supply and industrial well.
702	J.E. Bynum Estate	Union Texas Petroleum	1955	320	8	320	Kt	--	--	--	C,E	Ind	
703	C.J. Copeland Estate	do	1955	310	8	310	Kt	--	--	--	T,E	Ind	
704	do	do	1955	300	6-3/4	300	Kt	--	--	--	N	N	Abandoned public supply and industrial well.
705	do	do	1960	300	8	300	Kt	--	--	--	C,E	Ind	Measured yield 18 gpm.
* 706	do	do	1955	300	10	300	Kt	--	--	--	T,E	Ind	
707	do	do	1955	300	8	300	Kt	2,626	258.2	Apr. 22, 1969	C,E	N	Measured yield reported 17 gpm in 1960. Abandoned public supply and industrial well.
708	do	do	1955	300	8	300	Kt	--	--	--	N	N	Abandoned public supply and industrial well.
709	do	do	1955	300	8	300	Kt	--	--	--	T,E	Ind	
* 710	T.E. Matlock	--	1940	245	6	150	Kt	--	201.85	May 23, 1961	C,W	D,S	
* 711	Ruth C. Mendenhall	Claude Collins, Jr.	1920	221	--	--	Kt	2,609	207.8	Mar. 19, 1969	C,W	S	
* 712	T.P. Simpson, Jr.	Ralph Welch	--	239	--	--	Kt	2,612	216.0	Apr. 22, 1969	C,W	S	
713	John and C.J. Copeland	--	1923	209	6	--	Kt	2,597	189.25 204.4	June 13, 1941 Apr. 22, 1969	C,W	S	Well 153. <u>1</u>
714	do	Union Texas Petroleum	1963	300	--	--	Kt	--	--	--	T,E	Ind	
715	do	do	1963	300	--	--	Kt	--	--	--	T,E	Ind	
716	J.E. Bynum Estate	do	1955	--	--	--	Kt	--	--	--	N	N	Destroyed public supply and industrial well.
* 717	C.J. Copeland Estate	John and C.J. Copeland	--	226	5-1/2	--	Kt	2,609	198.20 211.0	June 11, 1941 Apr. 23, 1969	C,W	S	Well 152. <u>1</u>
718	Marie C. Solat, et al.	do	--	275	--	--	Kt	--	--	--	C,W	S	
802	Blanche Copeland	do	1938	292	6	--	Kt	--	202.25 196.06	June 13, 1941 Mar. 3, 1969	C,W	S	Well 154. <u>1</u>
806	J.H. McCabe	do	1928	231	6	--	Kt	--	199.15	June 13, 1941	C,W	D,S	Well 155. <u>1</u>

See footnotes at end of table.

Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COMPLETED	DEPTH OF WELL (FT)	CASING		WATER-BEARING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAMETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
*43-09-101	Mrs. W.L. Martin	--	1956	88	5	88	Qal	2,299	61.60	July 6, 1961	C,W	Irr	Waters small orchard.
102	Sterling County	City of Sterling City	1943	107	8	--	Qal, Trs	2,263	33.2	Jan. 31, 1968	T,E	P	City park well.
* 103	F.E. Davis	Jim Henshaw	1939	92	6	--	Qal, Trs	2,374	53.43 53.6	May 26, 1961 Mar. 24, 1969	C,W	S	
* 104	R.L. Lowe	--	1964	120	8	120	Qal, Trs	2,269	37.75	Jan. 18, 1968	S,E	Irr	
* 105	Leo Radde	Delmar Radde	1965	100	12	100	Qal, Trs	2,295	46.1	Jan. 31, 1968	S,E	Irr	
* 106	F.E. Davis	Jim Henshaw	1929	79	5-1/2	--	Qal, Trs	2,313	48.00 61.8	May 22, 1941 Mar. 24, 1969	C,W	S	Well 93. <u>1</u>
* 107	do	do	1929	87	5-1/2	--	Kt	2,440	80.00 75.3	May 22, 1941 Mar. 24, 1969	C,W	S	Well 87. <u>1</u>
* 108	do	do	1960	108	4	--	Qal	2,326	83.08	do	S,E	S	
* 109	do	do	--	72	5-1/2	--	Kt	2,409	63.50 65.1	May 23, 1941 Mar. 25, 1969	C,W S,E	D,S	Well 113. <u>1</u>
* 110	do	do	--	108	5-1/2	--	Kt	2,435	86.10 87.0	May 23, 1941 Mar. 25, 1969	C,W	S	Well 114. <u>1</u>
* 111	Jim Henshaw	--	1950	69	6	--	Qal, Trs	2,298	54.0	Mar. 27, 1969	C,W	D	
* 201	F.E. Davis	Jim Henshaw	--	135	--	--	Kt	2,441	--	--	C,W	S	
* 202	do	do	1939	111	5-1/2	--	Kt	2,423	90.40 93.9	May 23, 1941 Mar. 26, 1969	C,W	S	Well 112. <u>1</u>
* 203	do	do	1941	81	--	--	Kt	2,467	74.3	do	C,W	S	
* 301	do	do	1965	126	--	--	Kt,Trs	2,345	100.9	do	C,W	S	
302	Claude Collins, Jr.	--	1948	--	8	--	Kt	--	--	--	S,E	D,S	
* 401	Fay Hildebrand	H.L. Hildebrand	1961	127	7	--	Qal	2,283	69.80 69.4	May 26, 1961 May 8, 1969	C,W	S	
* 402	do	do	1900	49	--	--	Qal, Trs	2,256	32.9	do	C,W	D,S	
* 403	do	do	1940	150	--	--	Kt	2,353	129.1	May 8, 1969	C,W	S	
* 404	do	do	1920	60	--	--	Qal	--	--	--	C,W	S	
* 405	do	do	1945	94	--	--	Qal	2,297	60.8	May 8, 1969	C,W	S	

See footnotes at end of table.

Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COMPLETED	DEPTH OF WELL (FT)	CASING		WATER-BEARING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAMETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
*43-09-501	Fay Hildebrand	H.L. Hildebrand	1946	96	5	--	Qal, Trs	2,271	73.10 60.4	May 26, 1961 May 19, 1969	C,W	S	
* 503	W.L. Foster II and J.Q. Foster	--	1917	98	5-1/2	--	Qal	2,298	76.40 79.6	June 18, 1941 Feb. 12, 1968	S,E	D,S	Well 100. <u>y</u>
* 504	F.E. Davis	Jim Henshaw	1929	110	6	--	Kt	2,403	89.10 90.8	May 23, 1941 Mar. 26, 1969	C,W	S	Well 110. <u>y</u>
* 505	J.T. Davis	do	1928	82	--	--	Qal, Trs	--	63.40	May 23, 1941	C,W	S	Well 99. <u>y</u>
* 506	W.W. Durham	--	1928	120	8	1	Qal, Trs	--	--	--	C,W	S	
* 601	S.M. King Estate	Riley King	1919	119	5-1/2	--	Qal, Trs	2,333	78.20 81.2	Apr. 26, 1961 Aug. 18, 1969	C,W	S	
* 602	Riley King	--	1919	104	5	--	Qal, Trs	2,268	79.42 81.0	Apr. 26, 1961 Aug. 18, 1969	C,W	S	
603	W.W. Durham	--	1968	98	5	--	Qal, Trs	2,279	81.4	May 19, 1969	S,E	S	
* 701	R.T. Foster, Jr.	--	--	136	--	--	Kt	2,494	110.0	Mar. 6, 1968	C,W	S	
* 702	Fay Hildebrand	H.L. Hildebrand	1964	50	5	--	Qal	2,270	27.7	May 8, 1969	C,W	S	
* 802	W.L. Foster II and J.Q. Foster	W.L. Foster	--	43	6	--	Qal	2,212	42.25 34.9	May 23, 1961 Aug. 13, 1969	C,W	D,S	
803	do	do	--	--	--	--	Qal	--	--	--	T,E	Irr	
* 804	do	do	1938	51	5-1/2	--	Qal	--	30.00	Mar. 31, 1941	N	N	Destroyed livestock well. Well 185. <u>y</u>
805	do	--	--	--	--	--	Qal	--	--	--	N	N	Destroyed irrigation well.
* 806	Fay Hildebrand	H.L. Hildebrand	1963	194	5	--	Trs	2,338	142.4	May 19, 1969	C,W	S	
* 901	W.L. Foster II and J.Q. Foster	J.Q. Foster	1957	75	8-3/4	--	Qal	2,194	22.26 23.8	May 23, 1961 Aug. 13, 1969	S,E	S	
* 10-101	Claude Collins, Jr.	--	--	173	6	--	Kt	2,482	99.62 100.9	May 23, 1961 Mar. 19, 1969	C,W	S	
102	do	--	--	--	--	--	Kt	--	--	--	C,W	S	
* 103	do	--	1957	232	8	--	Kt	2,594	207.4	Mar. 18, 1969	C,W	S	
104	do	--	--	--	--	--	Kt	--	--	--	C,W	S	

See footnotes at end of table.

Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COMPLETED	DEPTH OF WELL (FT)	CASING		WATER-BEARING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAMETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
*43-10-105	Claude Collins, Jr.	--	--	108	5	--	Kt	--	--	--	C,W	D,S	
106	do	--	--	72	5	--	Kt	2,431	49.8	Mar. 19, 1969	C,W	S	
* 107	Ruth C. Mendenhall	Claude Collins, Jr.	--	--	5	--	Kt	--	--	--	C,W	S	
401	Blanche Stringer	Pete Hanson	1954	100	--	--	Qal	2,300	--	--	N	N	Seismic shot hole developed for water well.
* 402	Hazel C. Beaver	Claude Collins, Jr.	1917	50	5	--	Kt	--	46.90	Apr. 25, 1961	C,W	S	
* 403	Claude Collins, Jr.	--	1951	97	12	--	Kt	2,392	75.65 60.16	May 23, 1961 Mar. 18, 1969	C,W	S	
404	Hazel C. Beaver	Claude Collins, Jr.	--	119	5	--	Trs	2,308	98.9	do	N	N	Abandoned livestock well.
405	do	do	1936	109	5-1/2	--	Trs	2,298	85 91.78	Apr. 1, 1941 Mar. 18, 1969	N	N	Abandoned livestock well. Well 164. <u>1</u>
* 406	do	do	1902	100	5-1/2	100	Trs	2,298	83.30	Apr. 1, 1941	N	N	Abandoned livestock well. Well 163. <u>1</u>
407	do	do	--	131	5	--	Kt	2,387	86.2	Mar. 18, 1969	N	N	Abandoned domestic and livestock well.
408	do	do	--	--	--	--	Kt	2,387	--	--	N	N	
409	do	do	--	--	--	--	Kt	2,379	80.3	Mar. 18, 1969	C,W	S	
410	Claude Collins, Jr.	--	1969	108	9	--	Kt	2,348	73.8	Mar. 19, 1969	S,E	S	
701	Don Lee Stringer, et al.	Pete Hanson	1954	100	--	--	Qal	--	--	--	N	N	Seismic shot hole developed for water well.
702	do	--	1954	100	--	--	Trs	--	--	--	N	N	Do.
* 703	Clinton Hodges	--	--	95	5	--	Qal, Trs	2,252	83.06 85.5	Apr. 26, 1961 Aug. 18, 1969	C,W	S	
* 704	Don Lee Stringer	Pete Hanson	--	100	--	--	Qal, Trs	2,235	91.85 91.0	Apr. 26, 1961 Mar. 20, 1969	C,W	S	
705	T.H. Humble	Bill Humble	1946	60	48 10	20 20-58	Qal	2,183	25.80 32.8	May 23, 1961 Jan. 30, 1968	S,E	Irr	Well dug to 20 feet, drilled to total depth.
706	do	do	1967	128	10	128	Qal	2,195	43.7	do	S,E	Irr	
707	do	do	1964	145	10	145	Qal	2,215	57.4	do	T,E	Irr	
* 708	do	do	1965	148	10	148	Qal	2,221	66.0	do	T,E	Irr	

See footnotes at end of table.

Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COMPLETED	DEPTH OF WELL (FT)	CASING		WATER-BEARING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAMETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
*43-10-709	Dan McDonald	--	1935	94	6	--	Qal, Trs	2,212	71.46 72.5	Mar. 31, 1941 Mar. 20, 1969	C,W	D	Well 172. <u>y</u>
710	Don Lee Stringer	Pete Hanson	--	202	6	--	Qal, Trs	2,249	106.1	do	S,E	S	
* 711	do	do	--	100	6	10	Qal, Trs	2,230	83.23	Mar. 31, 1941	S,E	D,S	Well 170. <u>y</u>
802	Blanche Stringer, et al.	do	1954	--	6	--	Qal	--	69.90	Apr. 26, 1961	N	N	Abandoned industrial well.
17-101	Mary Lou Westbrook	--	1948	178	--	--	Kt	2,523	165.40	Jan. 2, 1961	N	N	Do.
* 201	Worth E. Allen	--	--	110	--	--	Kt	2,572	88.35 80	May 23, 1961 Aug. 18, 1969	C,W	D,S	
* 202	W.B. Allen	W.L. Foster	--	85	4	--	Kt	2,532	78.07	May 23, 1961	C,W	S	
* 203	do	do	--	126	--	--	Kt	2,404	90.7	Feb. 12, 1968	C,W	S	
* 302	T.H. Humble	Bill Humble	1952	116	5-1/2	116	Kt	2,414	102.54	Jan. 30, 1968	C,W	S	
* 303	L.C. Clark Estate	Peb Cope	1950	112	--	--	Kt	2,389	100.6	May 1, 1969	C,W	S	
* 401	L.F. Hodges, et al.	Clinton Hodges	1900	143	5	143	Kt	2,403	85 119.4	Apr. 2, 1941 Feb. 7, 1968	C,W	S	Well 366. <u>y</u>
402	L.C. Clark Estate	Pep Cope	1950	210	6	--	Kt	2,471	183.3	Apr. 30, 1969	C,W	S	
* 501	do	do	1950	--	--	--	Kt	--	--	--	C,W	S	
502	do	do	1940	171	5-1/2	--	Kt	2,386	50 115.4	July 14, 1941 Apr. 30, 1969	C,W	S	Well 368. <u>y</u>
* 503	do	do	--	107	--	--	Kt	2,346	92.0	do	C,W	S	
* 504	do	do	1918	73	5-1/2	--	Qal, Trs	2,279	45 62.7	July 14, 1941 May 2, 1969	C,W	S	Well 370. <u>y</u>
505	do	do	--	160	6	--	Kt	--	148	July 14, 1941	C,W	S	Well 369. <u>y</u>
* 601	do	do	1941	100	--	--	Qal	--	--	--	C,W	S	
* 602	do	do	--	123	--	--	Kt	2,365	101.5	May 1, 1969	C,W	S	
* 701	Mildred Atkinson Cole	Alvie Cole	1961	156	6	--	Kea,Kt	2,381	121.80	July 7, 1961	C,E	S	
702	L.C. Clark Estate	Peb Cope	1918	74	5-1/2	--	Kt	2,335	45 62.2	July 14, 1941 Apr. 30, 1969	C,W	S	Well 367. <u>y</u>

See footnotes at end of table.

Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COMPLETED	DEPTH OF WELL (FT)	CASING		WATER-BEARING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAMETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
*43-17-803	Central National Bank of San Angelo	Andy Smith	--	234	7	--	Kea,Kt	2,522	195.1	Jan. 25, 1968	C,W	S	
* 804	L.C. Clark Estate	Peb Cope	--	187	6	--	Kt	2,343	175.9	May 1, 1969	C,W	S	
* 901	Central National Bank of San Angelo	Andy Smith	1953	107	14	100	Qal	2,282	80.01 85.0	July 5, 1961 Jan. 25, 1968	S,E	Irr	
* 902	do	do	1908	79	5-1/2	--	Qal	--	58.50	July 8, 1941	S,E	D,S	Well 380. <u>y</u>
* 903	L.C. Clark Estate	Peb Cope	1918	95	6	--	Qal	2,254	40 63.4	July 14, 1941 May 2, 1969	C,W	S	Well 372. <u>y</u>
18-101	T.H. Humble	Bill Humble	--	150	--	--	Trs	2,248	111.80	May 23, 1961	N	N	Plugged back oil test. Tested for irrigation well.
102	J.Q. Foster	--	1946	68	8	68	Qal	2,151	20.05	Feb. 12, 1967	N	N	Abandoned irrigation well.
* 103	do	--	1955	85	16	85	Qal	2,151	--	--	T,E	Irr	
* 104	T.H. Humble	Bill Humble	1940	--	--	--	Qal, Trs	2,254	113.78	Jan. 30, 1968	C,W	S	
* 105	L.C. Clark Estate	Peb Cope	1950	98	6	--	Kt	2,388	87.6	May 1, 1969	C,W	S	
* 106	W.L. Foster, Jr.	Gary Foster	--	328	5	--	P	2,245	105.1	Aug. 13, 1969	C,W	S	
* 25-201	T.W. Harris	--	1946	116	--	--	Kea,Kt	2,438	68.8	Jan. 25, 1968	C,W	S	
* 301	Central National Bank of San Angelo	Lula C. Harris	1946	151	8	149	Kt	2,350	--	--	N	N	Abandoned industrial well.
302	L.C. Harris, et al.	Andy Smith	--	--	6	--	Kea,Kt	2,384	47.6	Jan. 25, 1968	C,W	S	
* 401	T.W. Harris, et al.	--	1928	152	5	--	Kea,Kt	2,480	73.1	do	C,W	S	
* 402	do	--	1928	141	5-1/2	--	Kea,Kt	2,484	73.30 86.1	July 8, 1941 Jan. 25, 1968	C,W	S	Well 392. <u>y</u>
601	do	Andy Smith	--	257	--	--	Kea,Kt	2,519	226.4	do	C,W	S	
44-06-315	W.N. and L.R. Reed	--	1950	110	5-1/2	110	Kt	2,583	83.3	Sept. 13, 1966	C,W	S	
316	do	--	--	85	4-1/2	85	Kt	2,508	70.30 64.1	June 22, 1945 Sept. 14, 1966	C,W	S	Redrilled in 1950.

See footnotes at end of table.



Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COMPLETED	DEPTH OF WELL (FT)	CASING		WATER-BEARING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAMETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
44-06-604	W.N. and L.R. Reed	--	1925	130	5-1/2	130	Kt	2,592	--	--	C,W	S	
605	do	--	1935	600	--	--	Kt	2,715	--	--	C,W	S	
903	W.N. and L.R. Reed, et al.	--	1938	120	--	--	Kt	2,590	90.9	Oct. 10, 1966	C,W	S	
* 904	do	--	1930	133	5-1/2	--	Kt	2,591	111.0 105.0	Apr. 30, 1941 Oct. 10, 1966	C,W	S	Well 282. <u>y</u>
* 07-101	do	--	1933	140	5-1/2	40	Kt	2,609	112.94	Apr. 25, 1941	C,W	S	Well 20. <u>y</u>
* 102	do	--	1935	113	5-1/2	20	Kt	2,560	84.12 85.4	do Sept. 13, 1966	C,W	S	Well 19. <u>y</u>
* 103	do	--	1945	105	5-1/2	105	Kt	2,502	--	--	C,W,E	D,S	
104	do	--	1900	90	6	85	Kt	2,488	70 62.0	Apr. 25, 1941 Sept. 13, 1966	C,W	D,S	Well 70. <u>y</u>
* 201	W.N. Reed and Kathryn Stewart	Mr. McDonald	1910	78	5-1/2	78	Kt	2,502	66.87 74.25 71.5	May 14, 1941 July 27, 1961 Aug. 14, 1969	C,W	S	Well 67. <u>y</u>
202	R.L. Brice	John Reed	--	178	10	178	Kt	2,530	80.50 80.8	July 27, 1961 Mar. 4, 1968	T,E	Irr	
204	N.H. Reed	N.J. Reed	1967	210	10	210	Kt	2,579	130.84	do	T,E	Irr	
205	do	do	1967	210	10	210	Kt	2,552	103.12	do	T,E	Irr	
206	do	do	1967	--	10	--	Kt	2,523	78.7	do	T,E	Irr	
207	do	John Reed	1964	--	10	--	Kt	2,522	73.5	do	T,E	Irr	
* 208	do	do	1957	--	6	--	Kt	2,522	--	--	C,W	S	
* 209	R.L. Brice	N.J. Reed	1910	111	8	--	Kt	2,545	74.06 97.10 96.3	May 14, 1941 July 27, 1961 May 28, 1969	C,W	S	Well 23. <u>y</u>
* 210	N.H. Reed	do	1950	151	6	--	Kt	2,541	102.10	July 27, 1961	C,W	S	
211	do	do	1932	114	5-1/2	60	Kt	2,541	97.20	May 14, 1941	N	N	Destroyed livestock well. Well 66. <u>y</u>
303	do	do	1908	131	8	--	Kt	2,590	103.90	June 21, 1941	N	N	Destroyed livestock well. Well 64. <u>y</u>
304	do	do	--	242	6	--	Kt	2,630	190.2	May 28, 1969	C,W	S	
* 305	do	do	1908	211	7	--	Kt	2,615	96.50	June 21, 1941	C,W	S	Well 65. <u>y</u>

See footnotes at end of table.

Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COMPLETED	DEPTH OF WELL (FT)	CASING		WATER-BEARING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAMETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
*44-07-401	W.N. and L.R. Reed	--	--	120	5-1/2	120	Kt	2,528	92.80 82.62	Apr. 30, 1941 July 29, 1961	C,W	S	Well 280. <u>1</u>
* 403	do	--	--	120	5-1/2	--	Kt	2,508	78.00 75.4	Apr. 30, 1941 Sept. 20, 1966	C,W	S	Well 275. <u>1</u>
* 404	do	--	--	110	5-1/2	40	Qal	2,480	73.18 70.1	Apr. 30, 1941 Sept. 14, 1966	C,W	S	Well 277. <u>1</u>
502	G.H. McEntire, Jr., et al.	--	--	120	--	--	--	2,512	--	--	--	--	Seismic shot hole developed for water well.
* 504	W.N. Reed, et al.	--	1920	105	5-1/2	120	Kt	2,510	68.85 75.5	Apr. 30, 1941 Oct. 10, 1966	C,W	S	Well 274. <u>1</u>
* 505	Virginia Wilkinson, et al.	Cotton Frizzell	1937	60	4	--	Qal,Kt	2,466	41.10 47.80	June 30, 1941 July 28, 1961	C,W	S	Well 72. <u>1</u>
* 601	do	do	1951	203	7-5/8	203	Kt	2,565	129.00 130.3	May 5, 1961 Aug. 19, 1969	C,W	S	
* 701	W.L. Foster, Jr.	William Foster	--	135	5-1/2	--	Kt	2,577	90 95.3	Apr. 30, 1941 Mar. 14, 1968	C,W	S	Well 283. <u>1</u>
* 702	do	do	--	--	--	--	Kt	2,662	--	--	C,W	S	
* 801	W.N. Reed, et al.	--	1930	120	5-1/2	--	Kt	2,519	78.30	Apr. 30, 1941	C,W	S	Well 271. <u>1</u>
* 901	G.H. McEntire, Jr., et al.	--	1940	50	6	--	Qal	2,418	44.35 46.72	June 30, 1941 May 5, 1961	C,W	S	Well 265. <u>1</u>
* 902	do	--	1959	85	6	--	Qal,Kt	2,422	40.1	Mar. 15, 1968	C,W	S	
08-101	N.H. Reed	N.J. Reed	1930	177	6	--	Kt	2,600	164.26 166.2	May 15, 1961 May 28, 1969	C,W	S	
* 102	do	--	1904	91	5-1/2	--	Kt	2,505	90 74.7	June 21, 1941 May 28, 1969	C,W	S	Well 29. <u>1</u>
103	do	N.J. Reed	1904	100	5-1/2	--	Kt	2,490	61.40 56.1	June 21, 1941 May 28, 1969	N	N	Abandoned livestock well. Well 30. <u>1</u>
104	do	do	1904	243	5	--	Kt	2,543	110.2	do	C,W	S	
* 201	J.C. Reed	Martin Reed	--	222	--	--	Kea,Kt	2,597	161.15 167.0	May 5, 1961 Aug. 11, 1969	C,W	S	
* 202	Willie Mae Foster	Forest Foster	1935	51	6	51	Kt	2,460	20.15 36.5	June 22, 1941 May 26, 1969	C,W	S	Well 34. <u>1</u>
* 203	John C. Dorn	Pete Hanson	1966	187	5	--	Kt	2,560	136.8	Mar. 21, 1969	C,W	S	

See footnotes at end of table.

Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COMPLETED	DEPTH OF WELL (FT)	CASING		WATER-BEARING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAMETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
*44-08-301	Willie Mae Foster	Forest Foster	1917	141	5-1/2	--	Kt	2,545	109.00 113.60 115.2	June 27, 1941 May 15, 1961 May 23, 1969	C,W	S	Well 33. <u>y</u>
302	Lelah D. Bird Estate	Jack Durham	--	70	10-1/2	--	Kt	2,480	38.40 41.57	May 17, 1961 Aug. 11, 1969	N	N	Abandoned industrial well.
* 303	John C. Dorn	Pete Hanson	--	53	--	--	Kt	2,475	31.0	Mar. 24, 1969	C,W	S	
304	Willie Mae Foster	Forest Foster	1966	150	--	150	Kt	2,469	--	--	T,E	Irr	
* 305	do	do	1936	78	7-1/2	--	Kea,Kt	2,583	49.50 43.3	June 27, 1941 May 23, 1969	S,E	S	Well 37. <u>y</u>
* 306	do	do	1935	61	6	61	Kt	2,440	55.05 46.76	June 27, 1941 May 26, 1969	C,W	S	Well 36. <u>y</u>
307	do	do	1966	162	10	162	Kt	2,468	47.0	May 23, 1969	T,G	Irr	
308	John C. Dorn	Pete Hanson	--	95	--	--	Kt	2,520	81.86	Apr. 20, 1961	C,W	S	
* 401	do	do	1935	52	5-1/2	40	Kt	2,447	38.20	May 16, 1941	C,W	S	Well 31. <u>y</u>
402	do	do	1890	60	5-1/2	--	Kt	2,415	39.45	June 20, 1941	C,W	S	Well 48. <u>y</u>
* 501	do	do	--	132	5-1/2	--	Kt	2,479	86.81 79.6	July 27, 1961 Mar. 21, 1969	C,W	S	
* 502	do	do	--	124	--	--	Kt	2,479	93.3	Mar. 20, 1969	C,W	S	
* 503	do	do	1935	103	5-1/2	--	Kt	2,451	65.80 67.0	May 16, 1941 Mar. 21, 1969	S,E	D,S	Well 46. <u>y</u>
* 504	do	do	1937	49	5-1/2	40	Kt	2,406	17.80 15.7	May 16, 1941 Mar. 21, 1969	C,W	S	Well 47. <u>y</u>
* 505	do	do	1935	56	5-1/2	--	Kt	2,449	37.10 38.30	May 16, 1941 July 27, 1961	C,W	S	Well 32. <u>y</u>
* 506	do	do	1930	39	5-1/2	13	Qa1,Kt	2,379	15.45 17.7	May 16, 1941 Mar. 21, 1969	C,W	S	Well 50. <u>y</u>
* 601	do	do	--	94	5-1/2	--	Kt	2,538	68.46 73.8	May 16, 1941 Mar. 21, 1969	C,W	S	Well 45. <u>y</u>
* 602	do	do	1937	163	5-1/2	--	Kt	2,548	112.75 136.8	May 16, 1941 Mar. 21, 1969	C,W	S	Well 42. <u>y</u>
603	do	do	1967	162	5	--	Kt	2,526	79.6	Mar. 21, 1969	C,W	S	
* 701	G.H. McEntire, Jr., et al.	--	--	Spring	--	--	Qa1	2,368	--	--	--	N	Known as Head of North Concho Springs. Measured flow 150 gpm in 1941. Reported dry in 1969. Spring 266. <u>y</u>

See footnotes at end of table.

Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COM- PLET- ED	DEPTH OF WELL (FT)	CASING		WATER- BEAR- ING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAM- ETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
44-08-702	Virginia Wilkinson	Cotton Frizzell	--	140	16	--	Qal	2,368	61.2	Jan. 18, 1968	T,E	Irr	Reported yield 1,000 gpm.
703	Virginia Wilkinson, et al.	do	--	140	12	--	Qal	2,370	--	--	T,E	Irr	Reported yield 500 gpm.
* 704	do	do	--	140	14	--	Qal	2,365	25.0	Jan. 18, 1968	T,E	Irr	Reported yield 700 gpm.
705	do	do	1969	--	--	--	Qal	2,364	--	--	T,E	Irr	Reported yield 1,500 gpm. Pump- ing level 160.0 feet.
706	J.C. Reed	Martin C. Reed	1940	78	5-1/2	--	Qal,Kt	2,403	49.15 52.30 50.1	June 20, 1941 July 17, 1961 Aug. 11, 1969	C,W	S	Well 60. <u>1/</u>
* 801	J.C. Reed, et al.	do	1909	77	5-1/2	--	Qal	2,373	45.70 47.16 55.9	June 10, 1941 July 20, 1961 Aug. 19, 1969	C,W	S	Well 78. <u>1/</u>
* 802	N.H. Reed	--	--	90	8	90	Qal	2,359	--	--	S,E	D	
* 804	J.C. Reed	Martin C. Reed	--	45	48x48	--	Qal	--	24.85	June 20, 1941	N	N	Abandoned irrigation well. Well 77. <u>1/</u>
805	N.H. Reed	N.J. Reed	1964	132	10	132	Qal	2,344	37.7	Mar. 4, 1968	T,E	Irr	
806	do	do	1964	153	10	153	Qal	2,342	37.5	do	T,E	Irr	Reported yield 500 gpm.
* 901	F.E. Davis	Jim Henshaw	1924	75	5-1/2	20	Kt	2,517	59.20 69.1	May 22, 1941 Mar. 24, 1969	C,W	S	Well 86. <u>1/</u>
* 14-601	James D. and Mattie J. Glass Life Estate	David Glass	--	93	5-1/2	--	Kt	2,505	48.54 77.60 78.7	Apr. 17, 1941 July 6, 1961 Dec. 5, 1969	C,W	S	Well 313. <u>1/</u>
905	Mattie J. Glass Life Estate	Larry Glass	1935	--	--	--	Kt	2,521	80.6	June 15, 1966	C,W	S	
* 15-201	Lena R. Foster	Ross Foster	1950	123	13-3/4	123	Qal,Kt	2,452	78.28 85.40 78.10 79.30 80.06	Dec. 8, 1954 Dec. 1, 1964 Nov. 27, 1967 Dec. 4, 1968 Dec. 1, 1969	T,G	Irr	Measured yield 355 gpm on Aug. 28, 1961. Water level observation well.
202	do	do	1940	94	6	20	Kt	2,513	70 74.1	Apr. 14, 1941 Feb. 20, 1968	C,W	S	Well 290. <u>1/</u>
* 203	do	do	1944	252	--	--	Kt	2,654	240 241.3	May 12, 1964 Feb. 20, 1968	C,W	S	
204	do	do	1911	108	5-1/2	20	Kt	2,523	95 92.3	Apr. 14, 1941 Feb. 20, 1968	C,W	S	Well 291. <u>1/</u>

See footnotes at end of table.

Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COMPLETED	DEPTH OF WELL (FT)	CASING		WATER-BEARING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAMETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
*44-15-205	Lena R. Foster	Ross Foster	1965	138	14	120	Qal,Kt	2,464	102.5	Feb. 20, 1968	T,G	Irr	
* 206	do	do	--	132	5-1/2	40	Kt	2,456	84.15	Apr. 14, 1941	C,W	S	Well 296. <u>1</u>
* 301	C.C. Reynolds Trust	do	1944	126	--	--	Kt	2,524	96.6	Feb. 20, 1968	C,W	S	
* 302	do	do	1967	140	6	140	Kt	2,465	108.3	do	C,W	S	
* 303	T.J. Davis	Jim Davis	--	57	--	--	Qal	2,394	31.4	Apr. 29, 1969	C,W	S	
402	James D. and Mattie J. Glass Life Estate	David Glass	1963	107	10	107	Qal	2,462	35.8	Jan. 16, 1968	S,E	Irr	Reported yield 300 to 400 gpm.
* 601	Ross Foster	--	1948	72	10	20	Qal	2,373	34.79 23.6	July 6, 1961 Feb. 20, 1968	T,E	Irr	Reported yield 250 gpm.
* 602	R.W. Foster	Ross Foster	1900	130	6	--	Kt	2,450	95 84.2	July 6, 1961 Feb. 20, 1968	C,W	D,S	
* 603	do	do	1938	114	5	114	Kt	2,502	62.5	do	C,W	S	
* 604	do	do	1965	178	7	178	Kt	2,485	121.5	do	S,E	Irr	Reported yield 50 gpm.
* 702	David Glass, et al.	--	1930	125	5-1/2	--	Kt	2,545	100 99.0	Apr. 17, 1941 Jan. 16, 1968	C,W	S	Well 317. <u>1</u>
* 801	W.L. Foster, Jr.	--	--	344	7	--	Kea,Kt	2,685	233.7	Mar. 13, 1968	C,W	S	
* 802	Fay Hildebrand	H.L. Hildebrand	--	203	6-1/2	203	Kea,Kt	2,644	192.8	May 22, 1969	C,W	S	
* 803	do	do	1910	228	8	--	Kea,Kt	2,632	163.4	May 23, 1969	C,W	S	
* 804	do	do	--	118	4-7/8	--	Kt	2,527	88.9	May 22, 1969	S,E	D,S	
* 901	W.L. Foster, Jr.	--	1922	--	5-1/2	--	Kt	2,662	213.92 260.15 260.2	Apr. 18, 1941 July 6, 1961 Mar. 13, 1968	C,W	S	Well 304. <u>1</u>
* 902	Fay Hildebrand	H.L. Hildebrand	1940	107	--	--	Kt	2,534	92.4	May 23, 1969	C,W	S	
* 903	do	do	--	114	--	--	Kt	2,500	108.7	May 22, 1969	C,W	S	
* 16-101	A.F. Clark	--	--	36	6	--	Qal	2,345	25.49 26.6	July 6, 1961 Dec. 5, 1969	C,W	D,S	
102	do	--	1955	115	8	10	Qal	2,347	27.7	Feb. 15, 1968	T,G	Irr	Reported yield 310 gpm.
* 103	Sudie McEntire	Billy Cole	1960	105	5-1/2	--	Qal	2,364	59.6	May 27, 1969	S,E	S	
104	do	do	1962	94	10	94	Qal	2,315	17.3	do	S,E	S	

See footnotes at end of table.

Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COM-PLET-ED	DEPTH OF WELL (FT)	CASING		WATER-BEAR-ING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAM-ETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
*44-16-105	Sudie McEntire, et al.	Billy Cole	--	73	10	73	Qa1	2,322	21.8	May 27, 1969	N	N	Abandoned irrigation well.
* 106	Sudie McEntire	do	--	--	5	--	Qa1	2,335	--	--	C,W	S	
107	do	do	1962	--	10	--	Qa1	2,319	--	--	N	N	Abandoned irrigation well.
* 201	N.G. and Will Grosshans	Ewing McEntire	--	25	48	--	Qa1	2,315	18.72 17.78 18.61 19.28 19.99	Dec. 1, 1953 Dec. 4, 1957 Dec. 5, 1960 Dec. 1, 1964 Dec. 1, 1969	Cf,E,H	N	Unused irrigation well. Water level observation well.
202	Mr. Grosshans	--	--	19	48	18	Qa1	2,309	15.18 16.02 13.31 15.43 16.80	Dec. 1, 1953 Dec. 7, 1956 Dec. 6, 1961 Dec. 3, 1965 Dec. 1, 1969	N	N	Dug well. Abandoned irrigation well. Water level observation well.
203	do	--	--	20	60	20	Qa1	2,310	16.04 15.17 14.43 16.87 17.10 16.86	Dec. 1, 1953 Dec. 4, 1957 Dec. 6, 1961 Dec. 6, 1963 Nov. 27, 1967 Dec. 1, 1969	N	N	Do.
204	Sudie McEntire	Billy Cole	--	85	10	85	Qa1	2,311	13.5	May 27, 1969	N	N	Abandoned irrigation well.
* 205	do	do	--	--	10	--	Qa1	2,320	21.62	do	S,E	S	
* 206	Jeff Davis, et al.	Jim Davis	--	45	--	--	Qa1	2,323	39.7	Apr. 29, 1969	C,W	S	
* 207	do	do	--	32	5-3/8	--	Qa1	2,297	28.2	do	C,W	S	
* 301	Jeff Davis	City of Sterling City	1955	280	12	--	Qa1	2,271	25	1955	T,E	P	Estimated yield 400 gpm.
302	Jack Durham	W.W. Durham	--	91	8	--	Qa1	2,288	23.9	Mar. 8, 1968	N	N	Drilled for future use.
303	J.W. Blaneck	--	--	89	10	--	Qa1	2,288	28.4	do	S,E	Irr	
304	Jeff Davis	--	1927	69	8	--	Qa1	2,279	--	--	T,E	Irr	Reported yield 300 gpm.
305	W.W. Durham	--	--	--	--	--	Qa1	2,301	--	--	T,E	Irr	
* 306	do	--	--	119	--	--	Qa1	2,302	46.6	May 9, 1969	S,E	Irr	Estimated yield 25 gpm.
307	do	--	1900	61	5-1/2	--	Qa1	2,302	44.15	June 20, 1941	S,E	N	Unused domestic and livestock well. Well 248. <u>l</u>
308	do	--	--	96	--	--	Qa1	2,295	27.8	May 9, 1969	S,E	S	
309	do	--	1965	99	7	--	Qa1	2,281	26.4	do	N	N	Abandoned irrigation well.

See footnotes at end of table.

Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COMPLETED	DEPTH OF WELL (FT)	CASING		WATER-BEARING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAMETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
*44-16-310	Tom Davis, et al.	Jim Davis	--	82	5-1/2	--	Qal	2,298	50.25 55.1	May 22, 1941 Apr. 29, 1969	C,W	S	Well 91. <u>1</u>
311	Jack Durham	--	--	93	10	10	--	--	24.5	Sept. 25, 1969	N	N	Abandoned irrigation well.
* 402	Ross Foster	--	1933	98	6	6	Kt	2,425	89.0	Feb. 20, 1968	C,W	S	
* 403	R.W. Foster	Ross Foster	1957	162	5	102-162	Kt	2,500	140.1	do	C,W	S	
404	Sudie McEntire, et al.	Billy Cole	--	--	8	--	Kt	2,433	99.7	May 27, 1969	C,W	S	
* 405	do	do	--	121	6	--	Kt	2,443	107.5	do	C,W	S	
* 503	Jeff Davis	Jim Davis	--	76	5	--	Qal	2,332	52.5	Apr. 29, 1969	C,W	S	
* 603	Tom Davis, et al.	do	1967	106	5	--	Qal	2,289	36.4	do	S,E	S	
* 604	Jim Davis	--	1908	85	5-1/2	--	Qal	2,341	61.22 63.2	Apr. 10, 1941 Apr. 29, 1969	C,E	D,S	Well 241. <u>1</u>
* 605	W.W. Durham	--	1942	76	6	--	Qal	2,311	47.8	May 9, 1969	C,W	S	
* 606	D.C. Durham	W.B. Durham	1934	88	7-7/8	88	Qal	2,324	57.08 57.5	Apr. 2, 1941 Apr. 29, 1969	C,W	S	Well 242. <u>1</u>
607	do	do	--	300	--	--	Kt,Trs	2,441	--	--	N	N	Abandoned domestic and livestock well.
* 608	do	do	1968	142	5	142	Kt	2,449	119.4	Apr. 28, 1969	C,W	D,S	
* 609	do	do	1959	199	5	199	Kt	2,399	72.0	do	S,E	Irr	Measured yield 3 gpm. Used for yard water only. Water has bad taste.
* 610	do	do	1935	200	5-1/2	--	Kt	2,424	91.85	Apr. 2, 1941	C,E	N	Reported deepened in 1951, from 110 to 200 feet. Water tastes very salty. Abandoned livestock well. Well 243. <u>1</u>
611	do	do	1949	180	--	180	Kt	2,459	--	--	N	N	Reported water went bad in 1951. Abandoned livestock well.
612	do	do	1947	135	--	135	Kt	2,434	--	--	N	N	Reported water went bad two years after drilled. Abandoned livestock well.
613	do	do	1900	79	5-1/2	79	Kt	2,409	50.86	Apr. 2, 1941	N	N	Reported water went bad. Abandoned well. Well 244. <u>1</u>
614	J.W. Blanek, et al.	--	1967	190	--	--	Qal	2,302	--	--	C,W	S	
* 701	Fay Hildebrand	H.L. Hildebrand	1930	174	8	--	Kt	2,503	134.2	May 22, 1969	C,W	S	

See footnotes at end of table.

Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COMPLETED	DEPTH OF WELL (FT)	CASING		WATER-BEARING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAMETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
*44-16-901	R.T. Foster, Jr.	--	1925	108	6	--	Kt	2,412	91.70 82.61 87.2	May 20, 1941 July 7, 1961 Aug. 12, 1969	C,W	D,S	Well 234. <u>1</u>
* 902	R.T. Foster	R.T. Foster, Jr.	--	132	--	--	Kt	2,364	63.02	Mar. 6, 1968	C,W	S	
* 903	Fay Hildebrand	H.L. Hildebrand	1940	78	6	--	Qal	2,309	47.0	May 19, 1969	C,W	S	
22-304	Harvey D. Glass, Jr.	--	1939	200	--	--	Kea,Kt	--	176.0	June 16, 1966	C,W	S	
* 603	David Glass	--	1930	130	--	--	Kea,Kt	--	--	--	C,W	S	
* 902	T.R. Sewell and Jaynell Cope	--	1905	185	--	--	Kea	--	160.27 167.80	Apr. 4, 1941 Jan. 2, 1962	C,W	S	Well 320. <u>1</u>
23-101	Texaco Incorporated	David Glass	--	220	--	--	Kea,Kt	2,653	193.0	Jan. 16, 1968	C,W	S	
* 102	David Glass, et al.	--	1905	216	5	--	Kea	2,646	176.22 178.9	Apr. 17, 1941 Jan. 16, 1968	C,W	S	Well 319. <u>1</u>
* 201	G.C. Flint Estate	E.F. McEntire	1940	240	6	--	Kea	2,661	199.8	Mar. 14, 1968	C,W	S	
* 202	E.E. Flint Estate	do	1940	152	--	--	Kea	2,576	121.2	do	C,W	S	
* 203	R.T. Foster, Jr.	--	--	226	8	--	Kea	2,618	182.0	Mar. 8, 1968	C,W	S	
* 204	Fay Hildebrand	H.L. Hildebrand	--	197	8	--	Kea,Kt	2,639	191.0	May 23, 1969	C,W	S	
* 301	do	do	--	118	--	--	Kea,Kt	2,492	81.1	do	C,W	S	
* 401	E.E. Flint Estate	E.F. McEntire	1900	116	--	--	Kea	2,540	89.3	Mar. 13, 1968	C,W	S	
* 501	Daisy Barbee	Gene Alley	1940	122	5-1/2	--	Kea	2,513	74.74 88.85 90.9	Apr. 3, 1941 Aug. 2, 1961 Apr. 8, 1968	C,W,E	D,S	Well 326. <u>1</u>
* 502	A. Mahaffey	E.L. Bailey	--	99	5-1/2	--	Kea	2,512	76.3	Mar. 13, 1968	C,W	S	
* 601	Mrs. Sallie Fox	R.T. Foster, Jr.	1920	124	6	--	Kea	--	98.15	Apr. 3, 1941	C,W	S	Well 328. <u>1</u>
602	R.T. Foster, Jr.	--	--	--	5	--	Kea	--	--	--	C,W	S	
* 801	Hannah B. Bailey	E.L. Bailey	--	233	5-1/2	--	Kea	2,671	198.00 200.3	Aug. 2, 1961 Aug. 12, 1969	C,W	S	
* 802	do	do	1898	185	6	40	Kea	2,622	133.25 168.9	Apr. 4, 1941 Apr. 8, 1968	C,W	S	Well 323. <u>1</u>
* 901	M.E. Council	R.T. Foster, Jr.	--	--	6	--	Kea	2,557	121.6	Mar. 7, 1968	C,W	S	

See footnotes at end of table.



Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COMPLETED	DEPTH OF WELL (FT)	CASING		WATER-BEARING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAMETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
*44-24-101	Foster Conger Estate	R.W. Foster	--	60	5-1/2	--	Kt	--	40.40 40.50	Apr. 4, 1941 Aug. 2, 1961	C,W	S	Well 335. <u>1</u>
* 102	R.T. Foster	R.T. Foster, Jr.	1942	90	6	--	Kt	2,414	50.7	Mar. 7, 1968	C,W	S	
201	R.W. Foster, et al.	--	1950	138	8	138	Qal,Kt	2,367	24.75 27.4	July 7, 1961 Feb. 28, 1968	S,E	Irr	
202	do	--	1955	140	12	10-12	Qal	--	--	--	N	N	Abandoned irrigation well.
203	R.W. Foster	--	1954	165	12	165	Qal,Kt	2,413	67.65 68.3	July 7, 1961 Feb. 29, 1968	T,E	Irr	Reported yield 150 gpm. Pumps white sand.
204	do	--	1963	170	10	170	Qal,Kt	--	--	--	T,G	Irr	Reported yield 800 gpm.
* 205	T.F. Foster	Forest Foster	1918	70	6	--	Qal,Kt	2,387	33.16 39.7	Apr. 3, 1941 May 26, 1969	S,E	D,S	Well 338. <u>1</u>
206	do	do	1918	51	6	--	Kt	2,389	22 36.9	Apr. 3, 1941 May 26, 1969	C,W	S	Well 337. <u>1</u>
* 301	R.W. Foster	--	--	130	5-1/2	--	Kt	2,424	109.50 119.4	Apr. 3, 1941 Feb. 29, 1968	C,W	S	Well 223. <u>1</u>
401	T.F. Foster	--	1966	111	7-1/2	111	Kt	2,428	57.6	May 26, 1969	S,E	S	
* 402	R.T. Foster, Jr.	--	--	129	5	--	Kea,Kt	2,425	60.7	Mar. 7, 1968	C,W	S	
403	Elizabeth Horwood	S.K. Horwood	--	106	--	--	Kea	2,481	97.3	May 20, 1969	C,W	N	Abandoned livestock well.
* 404	do	do	1969	--	5	--	Kea,Kt	2,481	--	--	S,E	S	
405	Elizabeth Horwood, et al.	do	1969	216	5	216	Kea,Kt	--	--	--	S,E	S	
* 406	T.F. Foster	--	--	65	6	--	Qal	--	28	Apr. 3, 1941	C,W	S	Well 336. <u>1</u>
501	Elizabeth Horwood	S.K. Horwood	1955	91	8	10	Kea,Kt	2,434	74.5	May 21, 1969	C,W	S	
502	do	do	1930	170	5-1/2	--	Kea,Kt	--	75	Apr. 2, 1940	C,W	S	Well 349. <u>1</u>
* 503	T.F. Foster	--	1918	175	5-1/2	--	Kt	--	90	Apr. 2, 1941	C,W	S	Well 346. <u>1</u>
* 602	R.W. Foster	--	1941	200	6	--	Kea,Kt	2,539	146.1	Feb. 29, 1968	C,W	S	
* 603	Elizabeth Horwood	S.K. Horwood	1969	206	5	--	Kea,Kt	2,453	122.8	May 21, 1969	C,W	S	
604	T.F. Foster	--	1940	140	8	--	Kea,Kt	2,498	131.3	May 26, 1969	C,W	S	
605	M.F. Foster	Forest Foster	1935	182	--	--	Kea,Kt	2,475	106.1	May 26, 1969	C,W	S	

See footnotes at end of table.

Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COM- PLET- ED	DEPTH OF WELL (FT)	CASING		WATER- BEAR- ING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAM- ETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
*44-24-701	Mrs. Sallie Fox	R.T. Foster, Jr.	--	163	6	--	Kea,Kt	2,524	125.40 120.8	Aug. 2, 1961 Mar. 7, 1968	C,W	S	
* 702	Elizabeth Horwood	S.K. Horwood	1967	--	7	--	Kea,Kt	2,542	146.1	May 20, 1969	C,W	S	
* 703	do	do	1955	210	8	--	Kea,Kt	2,509	121.0	do	C,W	S	
* 704	do	do	1936	147	--	--	Kea,Kt	2,556	140.2	do	C,W	S	
* 801	do	do	1930	92	--	--	Kea,Kt	2,460	81.3	do	C,W	S	
* 802	do	do	1966	181	7	--	Kea,Kt	2,497	93.8	do	C,W	S	
803	do	do	--	203	6-1/2	--	Kea,Kt	2,571	165.3	May 21, 1969	C,W	S	
804	do	do	1957	137	6-1/2	--	Kea,Kt	2,490	98.8	do	S,E	S	
* 805	do	do	1925	173	5-1/2	20	Kea,Kt	2,456	75 91.5	Apr. 4, 1941 May 21, 1969	S,E	D,S	Well 350. <u>y</u>
* 901	L.F. Hodges, et al.	Clinton Hodges	1958	235	12	10	Kea,Kt	2,419	65.02 67.7	July 7, 1961 Feb. 9, 1968	J,E	D,S	Reported yield 120 gpm.
902	do	do	1958	165	12	10	Kea,Kt	2,419	68.4	Feb. 7, 1968	S,E	Irr	Reported yield 108 gpm.
903	Elizabeth Horwood	S.K. Horwood	1946	179	--	--	Kea,Kt	2,477	106.9	May 21, 1969	C,W	S	
* 30-304	Calvin H. Sugg	Claude Collins, Jr.	--	180	7	--	Kea,Kt	2,549	85.6	Jan. 23, 1968	C,W	S	
601	Herbert Cope Estate	do	--	105	5-1/2	--	Kt	2,497	96.40 92.3 70.1	Aug. 2, 1961 Mar. 9, 1966 Jan. 22, 1968	C,W	S	
* 602	do	Pan American Petroleum Corporation	--	444	--	--	Trs	--	--	--	T,G	Ind	Waterflood well.
603	do	do	--	--	--	--	Kea,Kt	--	--	--	T,G	Ind	Do.
611	do	do	--	--	--	--	Kea,Kt	--	--	--	T,G	Ind	Do.
* 31-101	Calvin H. Sugg	Claude Collins, Jr.	1927	221	--	--	Kea,Kt	2,632	178.9	Jan. 23, 1968	C,W	S	
* 102	Mabel Ferguson	do	--	166	6-1/2	--	Kea,Kt	2,547	88.1	Mar. 13, 1969	C,W	S	
* 103	Calvin H. Sugg	do	--	119	6	--	Kea,Kt	2,516	53.1	Mar. 12, 1969	C,W	S	
* 401	Herbert Cope Estate	Pan American Petroleum Corporation	--	--	--	--	Kea,Kt	--	96	1959	T,G	Ind	Waterflood well.

See footnotes at end of table.

Table 1.--Records of Wells and Springs in Sterling County--Continued

WELL	OWNER	LESSEE OR TENANT	DATE COM- PLET- ED	DEPTH OF WELL (FT)	CASING		WATER- BEAR- ING UNITS	ALTITUDE OF LAND SURFACE (FT)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
					DIAM- ETER (IN)	DEPTH (FT)			BELOW LAND SURFACE DATUM (FT)	DATE OF MEASUREMENT			
*44-31-402	Herbert Cope Estate	Pan American Petroleum Corporation	1959	272	8-5/8	272	Kea,Kt	2,495 <sup>3</sup> / <sub>y</sub>	68	Feb. 20, 1959	T,G	Ind	Waterflood well. Reported yield 60 gpm.
* 404	Calvin H. Sugg	Claude Collins, Jr.	--	224	5	--	Kea,Kt	2,598	177.8	Mar. 13, 1969	C,W	S	
502	do	do	1927	--	10	--	Kea,Kt	2,487	--	--	C,W	S	Pumping level 78.6 feet.
* 503	do	do	1927	--	--	--	Kea,Kt	2,584	150.1	Jan. 24, 1968	C,E	D,S	
* 32-101	Mabel Ferguson	Mert Ferguson	--	121	6	--	Kea,Kt	2,453	67.22 73.7	July 7, 1961 Aug. 14, 1969	C,W	D,S	
* 102	M.E. Council	R.T. Foster, Jr.	--	--	7	--	Kea,Kt	--	--	--	C,W	S	
* 103	Elizabeth Horwood	S.K. Horwood	1950	92	7	--	Kea	2,541	71.8	May 21, 1969	C,W	S	
104	do	do	1969	214	5-1/2	8	Kea,Kt	2,539	63.5	do	S,E	S	
* 201	Mrs. A.B. Montgomery, et al.	Clinton Hodges	--	150	5-1/2	--	Kea,Kt	2,534	110 114.5	May 26, 1941 Feb. 8, 1968	C,W	S	Well 362. <sup>1</sup> / <sub>y</sub>
202	Elizabeth Horwood	S.K. Horwood	1969	246	5-1/2	10	Kea,Kt	2,582	132.3	May 21, 1969	N	N	
* 501	Mrs. A.B. Montgomery et al.	Clinton Hodges	1951	231	--	--	Kea,Kt	2,585	189.7	Feb. 8, 1968	N	N	

\* For chemical analysis of water, see Table 2.

<sup>1</sup>/<sub>y</sub> Texas Board of Water Engineers duplicated report, *Sterling County, Texas, Records of Wells and Springs, Drillers' Logs, Water Analysis, and Map Showing Locations of Wells and Springs, 1942.*

<sup>2</sup>/<sub>y</sub> Texas Board of Water Engineers duplicated report, *Glasscock County, Texas, Records of Wells, Drillers' Logs, Water Analysis, and Map Showing Location of Wells, 1937.*

<sup>3</sup>/<sub>y</sub> Elevation obtained from oil company records.

Table 2.--Chemical Analyses of Water From Wells and Springs in Sterling County

Analyses are grouped in this table by water-bearing unit. The analyses were performed by the Texas State Department of Health except as indicated by footnote. The results are in milligrams per liter except percent sodium, specific conductance, pH, and sodium-adsorption ratio.

WELL	OWNER	DEPTH OF WELL (FT)	DATE OF COLLECTION	SILICA (SiO <sub>2</sub> )	CALCIUM (Ca)	MAGNESIUM (Mg)	SODIUM (Na)	BICARBONATE (HCO <sub>3</sub> )	SULFATE (SO <sub>4</sub> )	CHLORIDE (Cl)	FLUORIDE (F)	NITRATE (NO <sub>3</sub> )	DISSOLVED SOLIDS	TOTAL HARDNESS AS CaCO <sub>3</sub>	PERCENT SODIUM	SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C)	pH	SODIUM ADSORPTION RATIO (SAR)
Trinity Sand																		
28-62-606	W.N. and L.R. Reed	180	Sept. 1, 1966	20	87	8	23	285	21	21	0.9	8	329	251	16.5	545	7.6	1.6
<u>1</u> 908	do	132	Apr. 25, 1941	--	--	--	--	220	31	35	--	20	279	--	--	--	--	--
<u>1</u> 909	Mrs. S.G. Childress	204	Mar. 18, 1937	--	55	2	* 19	165	20	22	--	--	199	146	--	--	--	--
63-103	Mary Hunter and Pattie Batjer	Spring	Apr. 4, 1969	17	58	3	13	189	11	15	.3	< .4	210	158	21.2	357	7.5	.4
203	do	Spring	do	9	38	11	85	112	73	115	.6	1.5	389	143	56.2	709	6.6	3.1
402	do	51	Apr. 3, 1969	18	95	4	21	289	20	24	.4	3.0	327	254	15.5	550	7.6	.6
404	do	104	Apr. 4, 1969	18	107	3	22	323	19	25	.5	5.0	359	281	14.4	591	7.5	.5
501	do	92	do	15	86	4	18	268	16	19	.4	2.5	293	232	14.2	492	7.6	.5
502	Nellie P. Sellers	80	do	20	81	5	17	261	15	16	.4	3.0	285	222	14.4	472	7.7	.5
503	Nellie P. Sellers, et al.	81	Apr. 8, 1969	16	103	3	12	307	12	12	.3	10.0	319	269	8.8	526	7.5	.3
504	Nellie P. Sellers	92	do	16	84	3	14	260	14	16	.4	4.0	279	225	12.1	474	7.4	.4
505	do	99	do	15	77	4	12	245	13	15	.3	5.5	262	207	11.1	449	7.6	.3
<u>1</u> 506	Nellie C. Sellers, et al.	90	May 14, 1941	--	74	7.1*	14	238	13	15	--	19	259	214	--	--	--	--
<u>2</u> 506	do	90	July 27, 1961	--	78	2.9*	15	232	11	15	.4	18	272	206	13	455	6.8	.5
506	do	90	Apr. 8, 1969	18	30	3	13	243	14	13	.4	6.5	267	214	11.4	441	7.1	.4
602	Nellie P. Sellers	60	Apr. 4, 1969	17	79	5	18	244	20	20	.5	6.5	287	218	15.0	474	7.5	.5
<u>1</u> 604	do	58	May 13, 1941	--	87	9.2*	41	293	29	50	.6	4.5	366	256	--	--	--	--
604	do	58	Apr. 7, 1969	20	117	6	34	338	28	45	.4	20.0	436	317	18.9	718	7.6	.8
605	Nellie C. Sellers, et al.	41	Apr. 8, 1969	27	107	9	79	392	69	40	1.1	36.0	560	305	36.0	865	7.5	1.9
606	do	Spring	do	21	63	8	95	151	84	128	.5	< .4	474	190	52.1	815	7.2	3.0
702	W.N. and L.R. Reed	130	Sept. 13, 1966	18	104	6	17	332	16	22	.4	< .4	346	287	11.3	585	7.4	.4
803	Nellie P. Sellers, et al.	96	Apr. 8, 1969	16	84	2	7	251	8	10	< .1	5.5	256	219	6.4	429	7.4	.2
804	do	184	do	12	56	4	25	201	17	15	.4	4.0	232	156	25.7	390	7.5	.9
<u>1</u> 806	Nellie P. Sellers	109	May 13, 1941	--	74	4.6*	6.4	226	9	15	.5	20	220	203	--	--	--	--
806	do	109	Apr. 8, 1969	16	83	2	15	250	15	15	.4	3.0	272	216	12.9	456	7.4	.5

See footnotes at end of table.

Table 2.--Chemical Analyses of Water From Wells and Springs in Sterling County--Continued

WELL	OWNER	DEPTH OF WELL (FT)	DATE OF COLLECTION	SILICA (SiO <sub>2</sub> )	CALCIUM (Ca)	MAGNESIUM (Mg)	SODIUM (Na)	BICARBONATE (HCO <sub>3</sub> )	SULFATE (SO <sub>4</sub> )	CHLORIDE (Cl)	FLUORIDE (F)	NITRATE (NO <sub>3</sub> )	DISSOLVED SOLIDS	TOTAL HARDNESS AS CaCO <sub>3</sub>	PERCENT SODIUM	SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C)	pH	SODIUM ADSORPTION RATIO (SAR)	
Trinity Sand																			
28-63-902	Nellie P. Sellers	80	Apr. 7, 1969	17	83	5	22	256	23	23	0.7	6.5	307	229	17.2	505	7.6	0.6	
1/ 903	do	71	May 13, 1941	--	--	--	--	250	23	20	--	20	269	--	--	--	--	--	
903	do	71	Apr. 7, 1969	17	81	4	21	253	18	22	.4	1.5	289	218	17.1	494	7.4	.6	
64-402	Mrs. D.D. Parramore	94	do	16	76	4	15	239	14	16	.2	2.5	260	205	13.7	436	7.4	.4	
404	Claude Collins Estate	140	Apr. 9, 1969	16	76	4	13	235	11	13	.3	6.5	256	204	11.8	424	7.9	.4	
502	do	Spring	do	23	95	5	30	350	9	16	.7	< .4	351	258	20.0	576	7.5	.8	
701	do	100	do	15	80	4	12	245	12	16	.3	2.5	262	216	10.5	445	7.6	.3	
702	E. Aiken and V.T. McCabe, et al.	166	Aug. 19, 1969	15	85	3	12	243	13	19	.5	8.5	276	225	10.3	458	7.4	.3	
704	do	--	do	15	77	3	6	233	7	9	.4	4.5	237	204	6.0	390	7.6	.2	
802	Claude Collins Estate	48	Apr. 9, 1969	17	100	5	32	294	26	36	.5	24.0	386	272	20.4	630	7.6	.8	
29-57-702	W.B. Durham Trust	162	Aug. 12, 1969	15	84	4	11	268	11	12	.5	3.5	274	228	9.5	457	7.3	.3	
2/ 43-01-101	Lelah D. Bird Estate	205	Mar. 9, 1950	18	64	9.7	* 15	225	16	19	--	5.9	260	200	--	433	7.7	--	
101	do	205	Aug. 11, 1969	16	70	9	16	239	18	18	.5	3.5	270	211	14.2	450	7.3	.5	
102	John C. Dorn	142	Mar. 24, 1969	18	56	21	21	248	24	25	1.0	7.5	296	227	17.0	506	7.6	.6	
303	John and C.J. Copeland	290	Apr. 24, 1969	10	37	17	61	262	32	22	1.7	12.5	323	161	45.3	537	7.7	1.6	
1/ 305	John and C.J. Copeland, et al.	218	June 13, 1941	--	42	22	* 22	232	17	20	--	7.0	244	293	--	--	--	--	
305	do	218	Apr. 24, 1969	15	43	25	14	233	14	19	1.1	6.5	253	212	12.9	440	7.7	.4	
401	W.D. Augustine	138	Aug. 14, 1969	16	58	19	26	251	31	27	1.0	< .4	301	224	20.4	518	7.2	.7	
402	D.C. Durham Estate	250	Apr. 24, 1969	17	54	22	21	240	25	28	1.3	6.5	293	227	17.0	505	7.6	.6	
503	D.C. Durham	236	Apr. 25, 1969	11	46	24	19	237	28	20	.9	10.0	276	216	16.3	479	7.5	.5	
1/ 602	John and C.J. Copeland	232	June 12, 1941	--	--	--	--	238	27	11	--	20	250	--	--	--	--	--	
602	do	232	Apr. 24, 1969	16	44	25	11	239	12	12	.7	10.0	249	215	9.7	430	7.7	.3	
603	P.B. Brown Estate	250	do	1	33	27	26	163	27	47	1.6	< .4	252	194	22.5	476	8.8	.8	
1/ 604	R.C. Bynum	270	June 12, 1941	--	--	--	--	220	25	20	1.9	12	264	--	--	--	--	--	
604	do	270	Apr. 24, 1969	12	42	25	21	238	21	18	1.7	9.0	267	209	17.9	466	7.6	.6	

See footnotes at end of table.

Table 2.--Chemical Analyses of Water From Wells and Springs in Sterling County--Continued

WELL	OWNER	DEPTH OF WELL (FT)	DATE OF COLLECTION	SILICA (SiO <sub>2</sub> )	CALCIUM (Ca)	MAGNESIUM (Mg)	SODIUM (Na)	BICARBONATE (HCO <sub>3</sub> )	SULFATE (SO <sub>4</sub> )	CHLORIDE (Cl)	FLUORIDE (F)	NITRATE (NO <sub>3</sub> )	DIS-SOLVED SOLIDS	TOTAL HARDNESS AS CaCO <sub>3</sub>	PERCENT SODIUM	SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C)	pH	SODIUM ADSORPTION RATIO (SAR)	
<u>Trinity Sand</u>																			
1/43-01-701	F.E. Davis	109	May 22, 1941	--	43	25	* 23	244	23	19	--	12	265	211	--	--	--	--	
701	do	109	Mar. 25, 1969	15	48	23	23	238	23	22	1.6	10.0	283	213	18.8	487	7.7	0.7	
702	do	108	Mar. 26, 1969	17	45	21	9	227	11	11	1.1	4.0	231	299	8.9	401	7.5	.3	
1/ 801	do	84	May 23, 1941	--	45	25	* 7.1	232	17	17	--	20	225	216	--	--	--	--	
801	do	84	Mar. 25, 1969	16	53	24	13	257	13	16	1.6	7.5	271	230	11.0	466	7.7	.4	
1/ 802	do	227	May 23, 1941	--	47	27	* 4.8	244	13	14	1.3	20	227	226	--	--	--	--	
802	do	227	Mar. 26, 1969	16	53	23	12	251	17	15	1.6	9.0	270	229	10.4	464	7.7	.3	
1/ 904	do	103	May 23, 1941	--	44	20	* 12	226	13	14	--	20	214	193	--	--	--	--	
904	do	103	Mar. 26, 1969	13	48	21	10	234	11	13	1.1	5.0	237	207	9.2	418	7.6	.3	
905	John and C.J. Copeland	256	May 23, 1969	17	48	23	12	237	14	16	1.0	6.5	255	217	10.3	438	7.8	.3	
1/ 907	Fannie Copeland, et al.	103	Apr. 1, 1941	--	61	14	* 20	281	8	9	.6	20	251	208	--	--	--	--	
907	do	103	Apr. 23, 1969	13	51	21	17	261	12	12	.9	5.5	261	213	15.0	451	7.7	.5	
908	J.E. Bynum Estate	265	do	15	41	23	7	224	9	9	1.1	5.5	221	197	7.5	385	7.6	.2	
02-103	John and C.J. Copeland	Spring	Apr. 24, 1969	13	57	30	34	306	31	36	1.4	1.5	354	264	22.0	612	7.8	.9	
104	W.R. Davis, et al.	Spring	do	16	37	34	41	293	19	38	1.9	< .4	331	234	27.6	585	7.5	1.2	
403	H. Knight, et al.	299	Apr. 22, 1969	14	61	45	24	279	36	77	2.7	12.5	410	340	13.5	726	7.8	.5	
1/ 405	do	Spring	June 10, 1941	--	74	45	* 44	433	47	38	2.0	20	463	367	--	--	--	--	
405	do	Spring	Apr. 22, 1969	20	66	52	61	438	61	50	2.8	5.0	530	378	26.1	874	8.0	1.3	
706	C.J. Copeland Estate	300	do	14	39	23	19	224	16	16	1.5	6.5	246	192	17.4	427	7.6	.6	
710	T.E. Matlock	245	Aug. 13, 1969	16	44	23	8	237	12	11	1.2	5.0	237	205	8.1	409	7.5	.2	
711	Ruth C. Mendenhall	221	Mar. 19, 1969	15	48	25	12	245	13	17	1.7	7.5	260	225	10.0	457	7.4	.3	
712	T.P. Simpson, Jr.	239	Apr. 27, 1969	16	45	24	12	231	15	16	1.7	10.0	254	212	10.5	435	7.8	.3	
1/ 717	C.J. Copeland Estate	226	June 11, 1941	--	--	--	--	201	27	14	1.6	9.0	239	--	--	--	--	--	
717	do	226	Apr. 23, 1969	13	43	25	8	228	14	13	1.5	6.5	237	209	7.3	416	7.7	.2	
1/ 09-107	F.E. Davis	87	May 22, 1941	--	46	24	* 23	275	15	18	--	20	261	215	--	--	--	--	
107	do	87	Mar. 24, 1969	22	58	22	14	282	12	13	.9	7.0	288	238	11.5	483	7.8	.4	

See footnotes at end of table.

Table 2.--Chemical Analyses of Water From Wells and Springs in Sterling County--Continued

WELL	OWNER	DEPTH OF WELL (FT)	DATE OF COLLECTION	SILICA (SiO <sub>2</sub> )	CALCIUM (Ca)	MAGNESIUM (Mg)	SODIUM (Na)	BICARBONATE (HCO <sub>3</sub> )	SULFATE (SO <sub>4</sub> )	CHLORIDE (Cl)	FLUORIDE (F)	NITRATE (NO <sub>3</sub> )	DISSOLVED SOLIDS	TOTAL HARDNESS AS CaCO <sub>3</sub>	PERCENT SODIUM	SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C)	pH	SODIUM ADSORPTION RATIO (SAR)	
Trinity Sand																			
43-09-109	F.E. Davis	72	Mar. 25, 1969	16	53	26	17	278	18	17	1.8	5.0	291	240	13.6	496	7.7	0.5	
y/ 110	do	108	May 23, 1941	--	69	32	* 4.6	293	26	34	--	20	310	305	--	--	--	--	
201	do	135	Mar. 26, 1969	15	62	22	8	276	9	7	.7	9.0	269	244	6.3	460	7.6	.2	
y/ 202	do	111	May 23, 1941	--	70	30	* 7.8	342	13	16	--	20	305	299	--	--	--	--	
203	do	81	Mar. 26, 1969	15	41	22	23	235	16	15	1.3	7.5	257	191	20.6	444	7.7	.7	
403	Fay Hildebrand	150	May 8, 1969	18	56	35	58	288	62	73	.9	1.5	447	284	30.9	767	7.8	1.5	
504	F.E. Davis	110	Mar. 26, 1969	18	60	28	13	305	12	15	.7	9.0	306	265	9.7	523	7.9	.3	
701	R.T. Foster, Jr.	136	Mar. 6, 1968	9	63	22	9	317	4	18	.8	< .4	284	248	7.1	525	7.1	.2	
10-101	Claude Collins, Jr.	173	Mar. 19, 1969	17	57	23	8	276	8	8	.9	5.5	264	236	6.5	455	7.8	.2	
103	do	232	do	20	62	43	10	381	10	15	1.1	3.5	352	332	6.1	600	8.3	.2	
105	do	108	do	20	73	24	11	332	10	7	.7	14.0	323	282	7.5	538	7.5	.2	
107	Ruth C. Mendenhall	--	do	15	55	21	6	260	7	7	.9	4.0	244	224	5.1	422	7.6	.1	
402	Hazel C. Beaver	50	Mar. 18, 1969	18	58	31	17	321	14	15	.9	9.0	321	272	12.1	546	7.6	.4	
403	Claude Collins, Jr.	97	do	18	83	41	77	300	51	165	1.2	7.0	590	377	30.6	1,045	7.5	1.7	
17-201	Worth E. Allen	110	Aug. 18, 1969	17	51	27	17	288	13	15	.8	3.5	287	238	13.3	484	7.6	.4	
202	W.B. Allen	85	Aug. 13, 1969	19	78	25	25	311	50	20	.8	17.0	388	298	15.2	630	7.5	.6	
203	do	126	Feb. 12, 1968	15	66	27	13	320	15	17	.7	3.5	314	278	9.0	555	7.8	.3	
302	T.H. Humble	116	Jan. 30, 1968	15	58	26	15	293	18	16	.7	.5	294	250	11.3	511	7.5	.4	
303	L.C. Clark Estate	112	Apr. 30, 1969	16	59	28	14	303	17	16	.8	3.0	303	264	10.0	522	7.7	.3	
401	L.F. Hodges, et al.	143	Feb. 7, 1968	11	42	27	36	248	41	21	1.5	15.0	317	215	26.6	549	7.6	1.0	
501	L.C. Clark Estate	--	Apr. 30, 1969	17	70	27	8	323	10	11	.6	8.0	311	287	5.9	526	7.6	.2	
503	do	107	do	23	78	39	29	422	23	26	.5	6.5	433	358	15.0	723	7.8	.6	
602	do	123	May 1, 1969	17	61	29	14	325	12	14	.7	5.0	313	273	9.9	534	7.8	.3	
804	do	187	Apr. 30, 1969	13	51	31	25	287	29	19	1.2	10.5	321	254	17.7	550	7.6	.6	
18-105	do	98	do	18	92	53	52	406	80	97	.9	2.5	600	446	20.1	987	7.9	1.0	
y/ 25-301	Central National Bank of San Angelo	151	Mar. 1, 1946	9	56	28	* 16	270	22	18	--	--	--	256	--	--	7.9	--	

See footnotes at end of table.

Table 2.--Chemical Analyses of Water From Wells and Springs in Sterling County--Continued

WELL	OWNER	DEPTH OF WELL (FT)	DATE OF COLLECTION	SILICA (SiO <sub>2</sub> )	CALCIUM (Ca)	MAGNESIUM (Mg)	SODIUM (Na)	BICARBONATE (HCO <sub>3</sub> )	SULFATE (SO <sub>4</sub> )	CHLORIDE (Cl)	FLUORIDE (F)	NITRATE (NO <sub>3</sub> )	DISSOLVED SOLIDS	TOTAL HARDNESS AS CaCO <sub>3</sub>	PERCENT SODIUM	SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C)	pH	SODIUM ADSORPTION RATIO (SAR)	
Trinity Sand																			
1/ 44-06-904	W.N. and L.R. Reed, et al.	133	Apr. 30, 1941	--	57	22	* 6.9	256	16	16	--	20	244	234	--	--	--	--	
1/ 07-101	W.N. and L.R. Reed	140	Apr. 25, 1941	--	67	5.1	* 3.0	195	13	15	--	20	199	188	--	--	--	--	
1/ 102	do	113	do	--	--	--	--	201	13	18	--	20	212	--	--	--	--	--	
1/ 103	do	105	do	--	85	15	* 41	323	35	42	0.7	20	379	274	--	--	--	--	
			Sept. 13, 1966	19	81	16	30	283	31	39	.8	5	361	268	19.5	616	7.5	0.8	
201	W.N. Reed and Kathryn Stewart	78	Aug. 14, 1969	16	68	7	26	231	24	27	.7	4.5	288	197	22.6	470	7.7	.8	
208	N.H. Reed	--	Mar. 4, 1968	17	104	5	29	318	41	31	.4	3.5	387	283	18.1	645	7.5	.7	
209	R.L. Brice	111	May 28, 1969	18	82	3	14	237	18	20	.5	11.5	285	216	12.0	466	7.5	.4	
210	N.H. Reed	151	May 28, 1969	19	83	7	17	257	19	24	.4	6.5	302	235	13.4	504	7.5	.5	
305	do	211	do	17	64	12	17	233	20	17	.4	9.0	271	207	14.8	448	7.7	.5	
1/ 401	W.N. and L.R. Reed	120	Apr. 30, 1941	--	--	--	--	281	17	12	--	20	273	--	--	--	--	--	
1/ 403	do	120	do	--	--	--	--	256	20	21	--	8.8	283	--	--	--	--	--	
1/ 504	W.N. Reed, et al.	105	do	--	88	25	* 11	342	20	31	--	20	343	320	--	--	--	--	
			Oct. 10, 1966	27	81	28	19	367	15	20	.9	9.0	380	316	11.3	646	7.4	.4	
601	Virginia Wilkinson, et al.	203	Aug. 19, 1969	21	57	18	14	246	16	17	.9	7.0	272	217	12.7	455	7.4	.4	
701	W.L. Foster, Jr.	135	Mar. 14, 1968	15	53	23	14	260	15	16	.7	5.5	271	225	12.1	462	7.5	.4	
702	do	--	do	13	48	22	21	228	23	23	1.1	11.5	275	209	17.9	483	7.7	.6	
1/ 801	W.N. Reed, et al.	120	Apr. 30, 1941	--	47	21	* 15	244	15	14	--	20	232	203	--	--	--	--	
1/ 08-102	N.H. Reed	91	June 21, 1941	--	72	5.8	* 5.8	214	12	17	--	6.0	224	204	--	--	--	--	
102	do	91	May 28, 1969	18	82	5	14	270	12	17	.5	2.5	285	228	11.9	474	7.7	.4	
1/ 202	Willie Mae Foster	51	June 27, 1941	--	80	13	* 16	305	14	11	--	10	294	253	--	--	--	--	
203	John C. Dorn	187	Mar. 21, 1969	15	82	9	40	242	42	58	.9	1.0	267	241	26.8	642	7.5	1.1	
1/ 301	Willie Mae Foster	141	June 27, 1941	--	71	7.8	* 23	250	18	20	.1	12	275	210	--	--	--	--	
2/ 301	do	141	May 15, 1961	18	72	4.1	* 20	220	17	22	.5	12	274	196	18	456	7.0	.6	
301	do	141	May 23, 1969	17	90	4	14	256	18	23	.5	13.0	306	242	11.5	510	7.5	.4	
303	John C. Dorn	53	Mar. 24, 1969	18	73	10	9	248	11	11	.4	13.0	267	224	7.8	452	7.6	.2	
1/ 306	Willie Mae Foster	61	June 27, 1941	--	76	18	* 33	323	20	30	--	5.0	341	261	--	--	--	--	

See footnotes at end of table.



Table 2.--Chemical Analyses of Water From Wells and Springs in Sterling County--Continued

WELL	OWNER	DEPTH OF WELL (FT)	DATE OF COLLECTION	SILICA (SiO <sub>2</sub> )	CALCIUM (Ca)	MAGNESIUM (Mg)	SODIUM (Na)	BICARBONATE (HCO <sub>3</sub> )	SULFATE (SO <sub>4</sub> )	CHLORIDE (Cl)	FLUORIDE (F)	NITRATE (NO <sub>3</sub> )	DISSOLVED SOLIDS	TOTAL HARDNESS AS CaCO <sub>3</sub>	PERCENT SODIUM	SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C)	pH	SODIUM ADSORPTION RATIO (SAR)	
Trinity Sand																			
44-08-306	Willie Mae Foster	61	May 26, 1969	12	80	12	16	282	20	21	0.5	2.5	304	249	12.3	519	7.5	0.4	
<u>1/</u> 401	John C. Dorn	52	May 16, 1941	--	--	--	--	305	39	59	--	20	397	--	--	--	--	--	
401	do	52	Mar. 31, 1969	27	112	8	32	367	29	31	.5	4.0	424	312	18.3	698	7.4	.8	
501	do	132	Mar. 21, 1969	20	70	18	35	279	32	40	.9	4.0	357	250	23.4	607	7.6	.9	
502	do	124	Mar. 20, 1969	17	67	14	22	267	20	21	.8	4.0	297	227	17.3	507	7.4	.6	
<u>1/</u> 503	do	103	May 16, 1941	--	100	12	* 150	336	89	180	.6	20	697	297	--	--	--	--	
503	do	103	Mar. 21, 1969	24	145	41	125	294	137	263	.9	33.0	910	530	33.8	1,550	7.4	2.3	
<u>1/</u> 504	do	49	May 16, 1941	--	58	13	* 22	232	18	22	--	8.0	255	198	--	--	--	--	
504	do	49	Mar. 21, 1969	20	70	8	21	243	17	19	.6	9.0	284	208	17.8	472	7.7	.6	
<u>1/</u> 505	do	56	May 16, 1941	--	54	12	* 34	214	31	30	--	7.0	273	182	--	--	--	--	
<u>1/</u> 601	do	94	do	--	94	17	* 23	287	31	26	--	62	394	305	--	--	--	--	
			Mar. 21, 1969	21	110	18	38	336	37	38	.6	72.0	500	348	19.0	798	7.5	.8	
602	do	163	May 21, 1969	15	73	12	23	281	16	21	.6	4.0	303	233	17.4	518	7.5	.6	
<u>1/</u> 901	F.E. Davis	75	May 22, 1941	--	--	--	--	293	8	12	--	20	270	--	--	--	--	--	
901	do	75	Mar. 24, 1969	28	78	18	9	311	7	7	.6	11.5	313	268	6.9	506	7.5	.2	
<u>1/</u> 14-601	James D. and Mattie J. Glass Life Estate	93	Apr. 17, 1941	--	62	37	* 51	336	70	50	--	20	435	308	--	--	--	--	
15-203	Lena R. Foster	252	Feb. 20, 1968	16	55	21	13	254	16	21	1.0	< .4	268	225	11.2	470	7.2	.4	
<u>1/</u> 206	do	132	Apr. 14, 1941	--	48	26	* 27	299	16	16	--	20	280	226	--	--	--	--	
206	do	132	Feb. 20, 1968	19	76	31	20	377	21	20	1.0	4.0	377	317	12.2	641	7.6	.5	
301	C.C. Reynolds Trust	126	do	12	82	21	6	348	5	11	.5	.5	309	290	4.6	550	7.3	.1	
302	do	140	do	12	48	19	14	226	18	18	1.1	8.5	250	200	13.6	437	7.6	.4	
602	R.W. Foster	130	do	17	113	40	34	354	17	147	.6	15	560	449	14.1	1,015	7.3	.7	
603	do	114	do	10	77	23	6	339	6	12	.6	< .4	302	286	4.3	540	7.3	.1	
604	do	178	do	19	76	25	8	342	10	12	.9	5.0	324	294	5.6	555	7.7	.2	
702	David Glasa, et al.	125	Jan. 16, 1968	16	62	19	11	270	14	15	.6	8.5	280	236	9.0	470	7.6	.3	
804	Fay Hildebrand	118	May 22, 1969	13	45	25	13	239	16	15	1.0	6.5	253	216	11.3	435	7.5	.3	

See footnotes at end of table.

Table 2.--Chemical Analyses of Water From Wells and Springs in Sterling County--Continued

WELL	OWNER	DEPTH OF WELL (FT)	DATE OF COLLECTION	SILICA (SiO <sub>2</sub> )	CALCIUM (Ca)	MAGNESIUM (Mg)	SODIUM (Na)	BICARBONATE (HCO <sub>3</sub> )	SULFATE (SO <sub>4</sub> )	CHLORIDE (Cl)	FLUORIDE (F)	NITRATE (NO <sub>3</sub> )	DIS-SOLVED SOLIDS	TOTAL HARDNESS AS CaCO <sub>3</sub>	PERCENT SODIUM	SPECIFIC CONDUCTANCE (MICROMHOS AT 25 °C)	pH	SODIUM ADSORPTION RATIO (SAR)
<u>Trinity Sand</u>																		
44-15-901	W.L. Foster, Jr.	--	Mar. 13, 1968	15	45	24	12	239	13	16	1.0	7.0	251	212	11.3	445	7.9	0.3
902	Fay Hildebrand	107	May 22, 1969	17	57	23	12	277	12	13	.7	10.0	281	237	10.2	471	7.7	.3
903	do	114	do	16	49	26	14	253	19	20	1.1	5.5	275	229	11.9	471	7.7	.4
16-402	Ross Foster	98	Feb. 20, 1968	24	92	33	28	399	28	44	1.0	2.5	449	365	14.3	760	7.6	.6
403	R.W. Foster	162	do	13	51	21	9	244	12	13	.8	5.0	245	215	7.3	434	7.6	.2
405	Sudie McEntire, et al.	121	May 27, 1969	18	63	29	13	309	17	21	.8	4.0	318	277	9.2	538	7.6	.3
608	D.C. Durham	142	Apr. 28, 1969	15	62	26	13	299	14	17	.6	< .4	295	262	9.8	512	7.4	.3
609	do	199	do	21	234	143	198	260	399	690	1.0	15.5	1,830	1,170	26.8	2,850	7.5	2.5
1/ 610	do	200	Apr. 2, 1941	--	67	31	* .5	311	17	16	--	20	285	294	--	--	--	--
610	do	200	Apr. 25, 1969	11	2,640	1,320	9,900	174	96	23,700	.7	14.0	37,800	1,200	64.1	712,000	7.1	38.7
701	Fay Hildebrand	174	May 22, 1969	15	44	27	12	246	15	17	1.0	5.0	257	222	10.5	450	7.6	.3
901	R.T. Foster, Jr.	108	Aug. 12, 1969	26	28	31	22	238	18	20	.9	< .4	263	196	19.5	438	7.6	.6
902	R.T. Foster	132	Mar. 6, 1968	15	80	48	47	365	46	111	.8	4.0	530	397	20.5	946	7.6	1.0
2/ 24-101	Foster Conger Estate	60	Aug. 2, 1961	27	78	30	* 29	372	29	26	1.1	7.5	411	318	16	691	6.7	.7
101	do	60	Aug. 14, 1969	28	81	32	25	381	32	22	1.1	10.0	418	334	14.1	680	7.5	.6
102	R.T. Foster	90	Mar. 7, 1968	15	72	23	14	331	12	12	.7	5.5	318	278	9.9	557	7.6	.3
301	R.W. Foster	130	Feb. 29, 1968	18	59	33	29	334	30	31	1.1	7.0	372	285	18.3	630	7.5	.7
503	T.F. Foster	175	May 26, 1969	20	83	31	18	378	26	23	.9	9.0	397	336	10.3	662	7.4	.4
<u>Trinity Sand-Alluvium</u>																		
1/ 07-505	Virginia Wilkinson, et al.	60	June 30, 1941	--	--	--	--	287	23	32	--	20	318	--	--	--	--	--
505	do	60	Aug. 19, 1969	28	93	17	37	342	52	38	1.0	6.5	441	304	20.9	694	7.3	.9
902	G.H. McEntire, Jr., et al.	85	Mar. 15, 1968	16	57	18	12	254	13	13	.9	7.0	262	217	10.9	454	7.7	.3
1/ 08-506	John C. Dorn	39	May 16, 1941	--	53	26	* 40	305	31	33	--	20	333	241	--	--	--	--
506	do	39	Mar. 21, 1969	27	80	19	38	342	27	31	1.0	6.5	398	281	22.6	652	7.5	.9
2/ 15-201	Lena R. Foster	123	Aug. 28, 1961	18	92	32	* 35	312	43	90	1.0	9.6	474	361	17	842	7.0	.8
205	do	138	Feb. 20, 1968	15	52	21	18	253	18	17	1.1	7.0	273	218	15.3	476	7.3	.5

See footnotes at end of table.

Table 2.--Chemical Analyses of Water From Wells and Springs in Sterling County--Continued

WELL	OWNER	DEPTH OF WELL (FT)	DATE OF COLLECTION	SILICA (SiO <sub>2</sub> )	CALCIUM (Ca)	MAGNESIUM (Mg)	SODIUM (Na)	BICARBONATE (HCO <sub>3</sub> )	SULFATE (SO <sub>4</sub> )	CHLORIDE (Cl)	FLUORIDE (F)	NITRATE (NO <sub>3</sub> )	DISSOLVED SOLIDS	TOTAL HARDNESS AS CaCO <sub>3</sub>	PERCENT SODIUM	SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C)	pH	SODIUM ADSORPTION RATIO (SAR)
<u>Trinity Sand-Alluvium</u>																		
<u>1/</u> 44-24-205	T.F. Foster	70	Apr. 3, 1941	--	68	21	* 14	317	15	10	--	20	284	258	--	--	--	--
205	do	70	May 26, 1969	25	78	22	12	344	14	8	0.7	7.5	337	285	8.6	550	7.4	0.3
<u>Trinity Sand-Edwards and Associated Limestones</u>																		
43-17-701	Mildred Atkinson Cole	156	Aug. 14, 1969	19	88	16	16	342	12	11	1.0	8.0	339	287	11.0	555	7.5	.4
803	Central National Bank of San Angelo	234	Jan. 25, 1968	10	50	29	14	262	27	20	2.2	2.0	283	244	10.8	505	7.6	.3
25-201	T.W. Harris	116	do	13	68	10	14	234	18	15	1.8	5.5	261	210	12.3	442	7.4	.4
401	T.W. Harris, et al.	152	do	13	72	19	5	309	9	9	.3	< .4	279	259	4.2	441	7.7	.1
<u>1/</u> 402	do	141	July 8, 1941	--	56	18	* 70	238	8	9	.5	20	209	216	--	--	--	--
44-08-201	J.C. Reed	222	Aug. 11, 1969	11	78	4	5	239	7	8	.3	3.5	235	210	5.2	393	7.7	.1
<u>1/</u> 305	Willie Mae Foster	78	June 27, 1941	--	86	13	* 17	305	21	20	--	5.0	312	268	--	--	--	--
305	do	78	May 23, 1969	16	83	9	16	287	16	17	.5	4.0	303	244	12.2	509	7.5	.4
15-801	W.L. Foster, Jr.	344	Mar. 13, 1968	16	52	20	11	224	14	20	.7	8.5	252	212	9.8	439	7.9	.3
802	Fay Hildebrand	203	May 22, 1969	21	51	31	29	215	38	62	3.0	11.5	353	256	20.0	602	7.6	.8
803	do	228	May 23, 1969	17	52	27	29	221	30	53	1.5	10.5	330	240	20.6	567	7.3	.8
22-603	David Glass	130	Jan. 16, 1968	17	47	28	19	229	29	30	1.2	10.5	295	230	15.4	520	7.4	.5
23-204	Fay Hildebrand	197	May 23, 1969	18	50	23	17	234	23	21	1.6	13.0	282	219	14.6	472	7.6	.6
301	do	118	do	13	44	29	19	234	28	27	1.5	13.0	290	230	15.3	503	7.8	.5
24-402	R.T. Foster, Jr.	129	Mar. 7, 1968	19	74	27	22	321	27	38	1.0	5.5	372	298	13.8	645	7.5	.5
404	Elizabeth Horwood	--	May 20, 1969	13	53	22	17	244	21	26	1.5	< .4	274	224	14.2	474	7.2	.5
602	R.W. Foster	200	Feb. 29, 1968	10	56	25	17	292	12	20	.8	< .4	285	243	13.2	515	7.4	.5
603	Elizabeth Horwood	206	May 21, 1969	10	57	31	44	311	75	20	3.1	1.0	394	271	25.9	639	7.6	1.1
701	Mrs. Sallie Fox	163	Mar. 7, 1968	13	42	28	21	220	28	30	2.5	11.5	285	219	17.3	496	7.3	.6
702	Elizabeth Horwood	--	May 20, 1969	16	47	23	17	229	20	24	1.6	10.5	273	214	14.6	457	7.6	.5
703	do	210	do	16	47	25	16	232	21	22	1.8	9.0	272	221	13.7	464	7.6	.4
704	do	147	do	12	46	28	20	226	29	28	2.0	15.5	292	231	15.7	500	7.8	.5

See footnotes at end of table.

Table 2.--Chemical Analyses of Water From Wells and Springs in Sterling County--Continued

WELL	OWNER	DEPTH OF WELL (FT)	DATE OF COLLECTION	SILICA (SiO <sub>2</sub> )	CALCIUM (Ca)	MAGNESIUM (Mg)	SODIUM (Na)	BICARBONATE (HCO <sub>3</sub> )	SULFATE (SO <sub>4</sub> )	CHLORIDE (Cl)	FLUORIDE (F)	NITRATE (NO <sub>3</sub> )	DISSOLVED SOLIDS	TOTAL HARDNESS AS CaCO <sub>3</sub>	PERCENT SODIUM	SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C)	pH	SODIUM ADSORPTION RATIO (SAR)	
<u>Trinity Sand-Edwards and Associated Limestones</u>																			
44-24-801	Elizabeth Horwood	92	May 20, 1969	16	72	25	18	287	19	40	1.1	10.5	343	284	12.3	589	7.6	0.5	
802	do	181	do	11	42	27	17	223	23	22	1.8	13.0	267	214	14.7	464	7.6	.5	
805	do	173	May 21, 1969	10	48	30	36	288	44	21	2.4	8.0	341	242	24.4	578	7.7	1.0	
901	L.F. Hodges, et al.	235	Feb. 9, 1968	19	85	23	12	357	12	15	.6	10.0	353	309	7.5	604	7.5	.3	
30-304	Calvin H. Sugg	180	Jan. 23, 1968	10	42	31	20	233	48	23	1.5	10.0	301	234	15.6	523	7.5	.6	
31-101	do	221	do	11	39	28	18	237	27	23	1.4	< .4	264	215	15.2	479	7.6	.5	
102	Mabel Ferguson	166	Mar. 12, 1969	17	54	22	17	237	25	19	1.1	11.5	284	223	14.4	482	7.6	.5	
103	Calvin H. Sugg	119	do	23	85	24	17	342	24	22	.9	9.0	373	311	10.7	634	7.5	.4	
401	Herbert Cope Estate	--	Jan. 22, 1968	11	46	31	20	220	58	25	1.4	13.0	313	243	14.9	537	7.5	.5	
2/ 402	do	272	Mar. 24, 1959	8	176	112	--	--	122	49	--	--	--	288	--	--	--	--	
404	Calvin H. Sugg	224	Dec. 13, 1969	15	46	26	22	223	29	26	1.9	13.5	290	219	17.8	500	7.8	.6	
503	do	--	Jan. 24, 1968	13	46	28	24	228	33	35	2.2	17.0	310	233	18.4	550	7.6	.7	
32-101	Mabel Ferguson	121	Aug. 14, 1969	11	40	31	21	235	30	23	2.0	11.5	286	229	16.7	495	7.6	.6	
102	M.E. Council	--	Mar. 7, 1968	16	73	12	11	256	10	19	.4	9.0	276	230	9.3	480	7.5	.3	
201	Mrs. A.B. Montgomery, et al.	150	Feb. 8, 1968	18	52	21	15	234	18	20	1.2	7.0	267	215	13.1	465	7.4	.4	
501	do	231	do	19	47	27	20	234	24	28	2.3	11.5	294	226	16.1	508	7.6	.6	
<u>Trinity Sand-Santa Rosa Sandstone</u>																			
28-64-804	Claude Collins Estate	70	Apr. 9, 1969	16	102	5	43	314	67	27	1.2	< .4	415	277	25.3	667	7.7	1.1	
29-57-701	Katherine Atkinson	163	Aug. 12, 1969	19	83	5	13	267	13	10	.5	8.0	283	229	11.2	463	7.7	.4	
43-09-301	F.E. Davis	126	Mar. 26, 1969	20	76	20	9	320	9	7	.6	9.0	308	275	6.8	526	7.4	.2	
<u>Trinity Sand-Permian Rocks</u>																			
1/ 01-301	John and C.J. Copeland	300	June 13, 1941	--	68	27	33	305	27	51	--	5.0	361	282	--	--	--	--	
<u>Edwards and Associated Limestones</u>																			
302	John and C.J. Copeland	Spring	Apr. 24, 1969	22	104	25	18	342	42	34	.3	24.0	437	363	9.7	714	7.7	.4	
306	do	120	do	23	117	42	39	455	48	75	.9	16.5	590	467	15.2	960	7.4	.8	
1/ 501	Prebble D. Morgan	157	June 13, 1941	--	--	--	--	281	31	24	--	18	335	--	--	--	--	--	

See footnotes at end of table.

Table 2.--Chemical Analyses of Water From Wells and Springs in Sterling County--Continued

WELL	OWNER	DEPTH OF WELL (FT)	DATE OF COLLECTION	SILICA (SiO <sub>2</sub> )	CALCIUM (Ca)	MAGNESIUM (Mg)	SODIUM (Na)	BICARBONATE (HCO <sub>3</sub> )	SULFATE (SO <sub>4</sub> )	CHLORIDE (Cl)	FLUORIDE (F)	NITRATE (NO <sub>3</sub> )	DISSOLVED SOLIDS	TOTAL HARDNESS AS CaCO <sub>3</sub>	PERCENT SODIUM	SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C)	pH	SODIUM ADSORPTION RATIO (SAR)
<u>Edwards and Associated Limestones</u>																		
43-01-501	Prebble D. Morgan	157	Apr. 24, 1969	21	57	22	16	264	18	25	0.5	< 0.4	290	231	12.8	493	7.5	0.4
y 44-22-902	T.R. Sewell and Jaynell Cope	185	Apr. 4, 1941	--	31	25	* 19	226	14	14	.8	20	214	180	--	--	--	--
902	do	185	Aug. 12, 1969	22	43	25	10	233	14	14	1.0	8.0	252	210	9.5	426	7.4	.3
y 23-102	David Glass, et al.	216	Apr. 17, 1941	--	32	28	* 35	195	51	32	1.5	16	292	198	--	--	--	--
201	G.C. Flint Estate	240	Mar. 14, 1968	27	53	35	37	229	67	59	2.9	24.5	418	278	22.7	690	7.6	.9
202	E.E. Flint Estate	152	do	15	49	28	29	246	45	29	1.1	15.0	332	238	20.8	569	7.7	.8
203	R.T. Foster, Jr.	226	Mar. 7, 1968	12	44	29	26	232	37	30	1.9	16.5	310	229	19.8	545	7.7	.7
401	E.E. Flint Estate	116	Mar. 14, 1968	17	68	27	19	315	23	27	.9	1.0	338	280	12.7	591	7.5	.5
501	Daisy Barbee	122	Apr. 8, 1968	12	44	26	20	227	30	25	1.4	12.0	282	218	16.5	495	7.8	.6
502	A. Mahaffey	99	do	18	44	33	19	284	23	25	.9	1.0	304	244	14.5	524	8.0	.5
y 601	Mrs. Sallie Fox	124	Apr. 3, 1941	--	85	23	* 49	311	43	72	.4	16	441	266	--	--	--	--
601	do	124	Mar. 7, 1968	15	73	16	25	260	33	30	1.9	12.0	334	248	18.0	564	7.6	.7
801	Hannah B. Bailey	233	Aug. 12, 1969	17	40	29	18	226	25	23	2.4	13.0	278	220	15.0	476	7.5	.5
y 802	do	185	Apr. 4, 1941	--	43	25	* 23	238	20	32	--	20	260	210	--	--	--	--
802	do	185	Apr. 8, 1968	10	33	29	19	216	25	24	1.6	7.0	255	199	16.9	457	8.1	.5
901	M.E. Council	--	Mar. 7, 1968	16	44	23	20	226	23	26	1.2	9.0	273	207	17.0	470	7.6	.6
44-32-103	Elizabeth Horwood	92	May 21, 1969	15	58	16	17	205	19	30	.5	15.5	273	211	15.3	474	7.7	.5
<u>Alluvium</u>																		
y 43-02-101	Lou E. Johnson	23	May 29, 1941	--	34	29	* 48	293	27	13	--	26	321	203	--	--	--	--
101	do	23	Apr. 22, 1969	22	93	33	35	395	46	50	.7	17.0	491	371	17.1	798	7.8	.8
09-101	Mrs. W.L. Martin	88	Aug. 18, 1969	21	66	35	32	349	26	43	1.7	4.5	402	310	18.5	678	7.5	.8
108	F.E. Davis	108	Mar. 24, 1969	21	71	26	20	323	18	20	1.1	10.0	346	285	12.9	583	7.5	.5
401	Fay Hildebrand	127	May 8, 1969	27	93	45	35	479	35	40	.8	< .4	510	416	15.5	835	7.5	.7
404	do	60	do	25	91	34	41	414	52	39	1.0	1.5	489	366	19.5	800	7.4	.9
405	do	94	do	27	93	42	28	475	25	28	.8	< .4	478	403	13.0	785	7.5	.6
y 503	W.L. Foster II and J.Q. Foster	98	June 18, 1941	--	58	43	* 43	354	27	57	--	20	422	322	--	--	--	--

See footnotes at end of table.

Table 2.--Chemical Analyses of Water From Wells and Springs in Sterling County--Continued

WELL	OWNER	DEPTH OF WELL (FT)	DATE OF COLLECTION	SILICA (SiO <sub>2</sub> )	CALCIUM (Ca)	MAGNESIUM (Mg)	SODIUM (Na)	BICARBONATE (HCO <sub>3</sub> )	SULFATE (SO <sub>4</sub> )	CHLORIDE (Cl)	FLUORIDE (F)	NITRATE (NO <sub>3</sub> )	DISSOLVED SOLIDS	TOTAL HARDNESS AS CaCO <sub>3</sub>	PERCENT SODIUM	SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C)	pH	SODIUM ADSORPTION RATIO (SAR)	
<u>Alluvium</u>																			
43-02-503	W.L. Foster II and J.Q. Foster	98	Feb. 12, 1968	9	60	43	35	357	32	53	0.8	0.5	409	327	18.8	744	7.4	0.8	
702	Fay Hildebrand	50	May 8, 1969	28	79	41	35	387	58	41	.7	< .4	473	367	17.2	771	7.5	.8	
802	W.L. Foster II and J.Q. Foster	43	Aug. 13, 1969	25	90	60	111	388	208	100	1.7	14.0	810	472	33.7	1,200	7.4	2.2	
1/ 804	do	51	Mar. 31, 1941	--	91	47	* 75	427	105	85	--	3.0	616	419	--	--	--	--	
09-901	do	75	Aug. 13, 1969	26	97	45	43	307	99	100	.9	25.0	590	428	18.0	954	7.1	.9	
10-708	T.H. Humble	148	Jan. 30, 1968	19	75	29	19	372	19	17	.7	1.0	363	306	11.9	620	7.4	.4	
17-601	L.C. Clark Estate	100	Apr. 30, 1969	22	91	38	17	455	15	15	.5	10.5	434	385	8.6	716	7.6	.3	
2/ 901	Central National Bank of San Angelo	107	July 5, 1961	20	75	28	* 19	350	15	24	.7	7.0	361	302	12	623	6.7	.5	
902	do	79	Jan. 25, 1968	17	84	24	10	361	11	12	.6	7.5	344	312	6.4	585	7.5	.2	
903	L.C. Clark Estate	95	May 1, 1969	21	88	27	19	383	19	18	.7	9.0	390	332	11.2	655	7.5	.4	
18-103	J.Q. Foster	85	Feb. 12, 1968	11	76	38	29	399	38	27	.8	3.5	419	344	15.7	730	7.4	.7	
1/ 44-07-404	W.N. and L.R. Reed	110	Apr. 30, 1941	--	81	31	* 58	323	76	72	1.1	8.6	487	329	--	--	--	--	
1/ 901	G.H. McEntire, Jr., et al.	50	June 30, 1941	--	--	--	--	360	27	29	--	20	379	--	--	--	--	--	
901	do	50	Aug. 11, 1969	27	99	22	25	386	25	28	.9	5.5	423	337	13.9	684	7.6	.6	
2/ 08-701	do	Spring	Oct. 15, 1943	--	--	--	--	354	35	36	--	--	--	--	--	--	--	--	
704	Virginia Wilkinson, et al.	140	Jan. 18, 1968	25	103	22	37	388	57	37	.8	2.5	476	348	18.9	778	7.5	.8	
1/ 801	J.C. Reed, et al.	77	June 10, 1941	--	--	--	--	342	31	33	--	10	389	--	--	--	--	--	
801	do	77	Aug. 19, 1969	40	240	34	130	484	219	270	.8	14.0	1,190	740	27.6	1,800	7.3	2.1	
802	N.H. Reed	90	Mar. 11, 1968	31	125	15	49	410	49	59	.7	8.5	540	374	22.1	875	7.2	1.1	
1/ 804	J.C. Reed	45	June 20, 1941	--	101	9.5	* 100	445	50	56	.4	14	550	241	--	--	--	--	
2/ 804	do	45	Oct. 12, 1943	--	--	--	--	356	45	39	--	--	--	--	--	--	--	--	
15-303	T.J. Davis	57	Apr. 29, 1969	27	121	56	96	367	229	138	1.2	7.5	860	530	28.1	1,290	7.5	1.8	
601	Ross Foster	72	Feb. 20, 1968	21	75	46	62	386	108	55	1.6	5.0	560	378	26.3	925	7.3	1.4	
16-101	A.F. Clark	36	Dec. 5, 1969	24	86	44	39	418	57	53	.7	< .4	510	394	17.6	825	7.3	.8	

See footnotes at end of table.

Table 2.--Chemical Analyses of Water From Wells and Springs in Schleicher County--Continued

WELL	OWNER	DEPTH OF WELL (FT)	DATE OF COLLECTION	SILICA (SiO <sub>2</sub> )	CALCIUM (Ca)	MAGNESIUM (Mg)	SODIUM (Na)	BICARBONATE (HCO <sub>3</sub> )	SULFATE (SO <sub>4</sub> )	CHLORIDE (Cl)	FLUORIDE (F)	NITRATE (NO <sub>3</sub> )	DISSOLVED SOLIDS	TOTAL HARDNESS AS CaCO <sub>3</sub>	PERCENT SODIUM	SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C)	pH	SODIUM ADSORPTION RATIO (SAR)
<u>Alluvium</u>																		
44-16-103	Sudie McEntire	105	May 27, 1969	21	91	33	25	389	25	48	1.0	1.5	437	361	12.9	732	7.4	0.5
105	Sudie McEntire, et al.	73	do	10	55	12	16	133	38	45	.4	13.0	254	188	13.9	454	7.0	.3
106	Sudie McEntire	--	do	25	84	39	56	362	101	62	1.4	11.5	560	368	24.9	886	7.5	1.3
2/ 201	N.G. and Will Grosshans	25	Oct. 14, 1943	--	--	--	--	366	45	51	--	--	--	--	--	--	--	--
205	Sudie McEntire	--	May 27, 1969	27	130	84	124	400	274	228	1.4	24.5	1,090	670	28.6	1,660	7.4	2.1
206	Jeff Davis, et al.	45	Apr. 29, 1969	24	92	43	75	432	107	62	1.1	16.5	630	405	28.7	992	7.5	1.6
207	do	32	do	32	76	50	240	600	245	125	2.2	4.0	1,070	396	56.9	1,660	7.6	5.2
2/ 301	do	280	Apr. 5, 1961	24	43	43	79.4	284	87	93	1.2	7.5	518	284	37	887	7.5	2.0
301	do	280	Apr. 8, 1968	22	78	44	59	367	72	90	1.1	5.0	550	374	25.5	932	7.4	1.3
306	W.W. Durham	119	May 9, 1969	25	96	77	154	415	295	170	1.3	18.0	1,404	560	37.5	1,580	7.6	2.8
1/ 310	Tom Davis, et al.	82	May 22, 1941	--	108	69	* 129	390	226	190	1.3	6.0	921	552	--	--	--	--
310	do	82	Apr. 29, 1969	25	150	110	196	398	387	352	1.3	18.0	1,440	830	33.8	2,200	7.5	2.9
503	Jeff Davis	76	do	20	65	34	33	367	28	23	1.0	3.0	387	302	19.1	646	7.5	.8
603	Tom Davis, et al.	106	do	17	63	49	52	362	56	78	1.0	1.0	495	358	24.0	882	7.7	1.2
1/ 604	Jim Davis	85	Apr. 10, 1941	--	58	36	* 18	336	17	27	--	20	321	292	--	--	--	--
604	do	85	Apr. 29, 1969	20	93	45	29	323	25	126	.8	5.0	500	415	13.3	902	7.3	.6
605	W.W. Durham	76	May 9, 1969	21	93	49	27	305	19	154	.7	3.0	520	437	11.9	940	7.7	.5
606	D.C. Durham	88	Apr. 29, 1969	20	208	102	288	311	25	890	< .1	5.0	1,690	940	40.0	2,990	7.5	4.1
903	Fay Hildebrand	78	May 19, 1969	24	99	30	20	434	22	20	.8	4.0	433	371	10.4	707	7.6	.4
24-406	T.F. Foster	65	May 26, 1969	25	78	37	57	398	91	33	1.3	5.5	520	346	26.4	820	7.5	1.3
<u>Alluvium-Santa Rosa Sandstone</u>																		
28-64-601	W.B. Durham Trust	49	Aug. 11, 1969	18	78	12	30	284	24	31	.7	6.5	341	243	21.4	566	7.4	.8
1/ 43-09-103	F.E. Davis	92	May 23, 1941	--	--	--	--	305	14	22	--	20	304	--	--	--	--	--
103	do	92	Mar. 24, 1969	18	64	26	23	304	23	24	1.2	10.5	339	264	16.0	574	7.5	.6
104	R.L. Lowe	120	Jan. 18, 1968	28	184	139	266	487	462	527	1.5	10.5	1,860	1,030	35.9	2,850	7.4	3.6
105	Leo Radde	100	Jan. 31, 1968	24	86	60	118	403	192	136	1.6	6.5	820	463	35.6	1,310	7.5	2.4

See footnotes at end of table.

Table 2.--Chemical Analyses of Water From Wells and Springs in Schleicher County--Continued

WELL	OWNER	DEPTH OF WELL (FT)	DATE OF COLLECTION	SILICA (SiO <sub>2</sub> )	CALCIUM (Ca)	MAGNESIUM (Mg)	SODIUM (Na)	BICARBONATE (HCO <sub>3</sub> )	SULFATE (SO <sub>4</sub> )	CHLORIDE (Cl)	FLUORIDE (F)	NITRATE (NO <sub>3</sub> )	DISSOLVED SOLIDS	TOTAL HARDNESS AS CaCO <sub>3</sub>	PERCENT SODIUM	SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C)	pH	SODIUM ADSORPTION RATIO (SAR)	
<u>Alluvium-Santa Rosa Sandstone</u>																			
43-09-106	F.E. Davia	79	Mar. 24, 1969	30	101	58	92	416	146	137	1.2	10.0	780	493	28.8	1,250	7.3	1.8	
111	Jim Henshaw	69	Mar. 27, 1969	23	84	62	97	409	147	126	1.2	< .4	740	467	31.1	1,200	7.4	1.9	
402	Fay Hildebrand	49	May 8, 1969	29	114	79	196	440	352	208	1.2	16.5	1,210	610	41.2	1,820	7.8	3.4	
501	do	96	May 19, 1969	18	56	41	37	345	41	50	.8	< .4	414	309	20.6	705	7.4	.9	
<u>1/</u> 505	J.T. Davis	82	May 23, 1941	--	--	--	--	342	18	30	--	20	352	--	--	--	--	--	
505	do	82	Mar. 26, 1969	22	68	32	23	348	19	26	.9	6.5	369	302	14.4	630	7.4	.6	
506	W.W. Durham	120	May 19, 1969	15	218	318	640	367	1,360	1,360	2.3	< .4	3,760	1,850	42.9	5,150	7.7	6.2	
601	S.M. King Estate	119	Aug. 18, 1969	25	85	23	21	353	14	25	.5	20.5	389	308	12.8	635	7.7	.5	
602	Riley King	104	do	22	71	35	32	378	35	24	.7	10.0	416	321	17.9	681	7.5	.7	
<u>1/</u> 10-703	Clinton Hodges	95	Apr. 1, 1941	--	71	32	* 40	390	31	31	--	20	397	310	--	--	--	--	
703	do	95	Aug. 18, 1969	21	73	39	27	392	24	27	1.0	9.0	414	340	14.7	692	7.7	.6	
<u>1/</u> 704	Don Lee Stringer	100	Mar. 31, 1941	--	65	65	* 50	427	31	109	--	3.0	533	430	--	--	--	--	
<u>1/</u> 709	Dan McDonald	94	do	--	75	39	* 28	366	27	55	.6	2.5	407	349	--	--	--	--	
			Mar. 20, 1969	23	88	49	37	394	53	78	.9	9.0	530	423	15.8	902	7.4	.7	
711	Don Lee Stringer	100	do	27	79	70	57	431	52	143	1.0	2.0	640	487	20.4	1,112	7.5	1.1	
17-504	L.C. Clark Estate	73	May 1, 1969	18	82	27	20	364	21	20	.8	8.0	376	317	12.5	630	7.4	.5	
18-104	T.H. Humble	--	Jan. 30, 1968	19	98	71	96	262	280	175	1.9	3.5	870	540	28.0	1,380	7.5	1.8	
<u>Santa Rosa Sandstone</u>																			
<u>1/</u> 28-63-603	Nellie P. Sellers	69	May 13, 1941	--	117	24	* 176	348	149	240	--	20	872	391	--	--	--	--	
603	do	69	Apr. 4, 1969	32	173	27	274	370	277	343	1.2	42.5	1,350	550	52.2	2,090	7.5	5.1	
64-403	Claude Collins Estate	228	Apr. 9, 1969	16	86	4	15	270	15	17	.3	1.5	288	232	12.6	486	7.5	.4	
501	do	--	--	21	87	3	27	285	18	21	.7	5.0	323	231	20.1	532	7.5	.7	
43-09-806	Fay Hildebrand	194	May 19, 1969	16	69	28	31	321	33	42	.8	1.5	380	290	18.8	646	7.7	.8	
<u>1/</u> 10-406	Hazel C. Beaver	100	Apr. 1, 1941	--	140	59	* 20	305	25	232	--	38	664	591	--	--	--	--	
<u>2/</u> 44-30-602	Herbert Cope Estate	444	Feb. 6, 1958	--	96	--	* 623	205	624	550	--	--	2,098	240	--	--	7.0	--	
<u>Permian Rocks</u>																			
29-57-801	C.C. Ainsworth, et al.	115	Aug. 13, 1969	20	92	18	17	332	21	33	.6	< .4	365	305	10.5	613	7.4	.4	

See footnotes at end of table.



Table 2.--Chemical Analyses of Water From Wells and Springs in Schleicher County--Continued

WELL	OWNER	DEPTH OF WELL (FT)	DATE OF COLLECTION	SILICA (SiO <sub>2</sub> )	CALCIUM (Ca)	MAGNESIUM (Mg)	SODIUM (Na)	BICARBONATE (HCO <sub>3</sub> )	SULFATE (SO <sub>4</sub> )	CHLORIDE (Cl)	FLUORIDE (F)	NITRATE (NO <sub>3</sub> )	DISSOLVED SOLIDS	TOTAL HARDNESS AS CaCO <sub>3</sub>	PERCENT SODIUM	SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C)	pH	SODIUM ADSORPTION RATIO (SAR)
<b>Permian Rocks</b>																		
1/ 43-02-402	H. Knight, et al.	34	June 11, 1941	--	62	43	* 66	372	62	60	0.9	23	500	332	--	--	--	--
402	do	34	Apr. 22, 1969	29	68	55	56	426	71	56	1.1	5.5	550	395	23.5	881	7.7	1.2
18-106	W.L. Foster, Jr.	328	Aug. 13, 1969	25	580	182	241	124	1,730	530	2.2	6.5	3,360	2,200	19.2	3,860	7.0	2.2

1/ Analysis by Works Progress Administration.

2/ Analysis by U.S. Geological Survey.

\* Concentration includes both sodium (Na) and potassium (K).

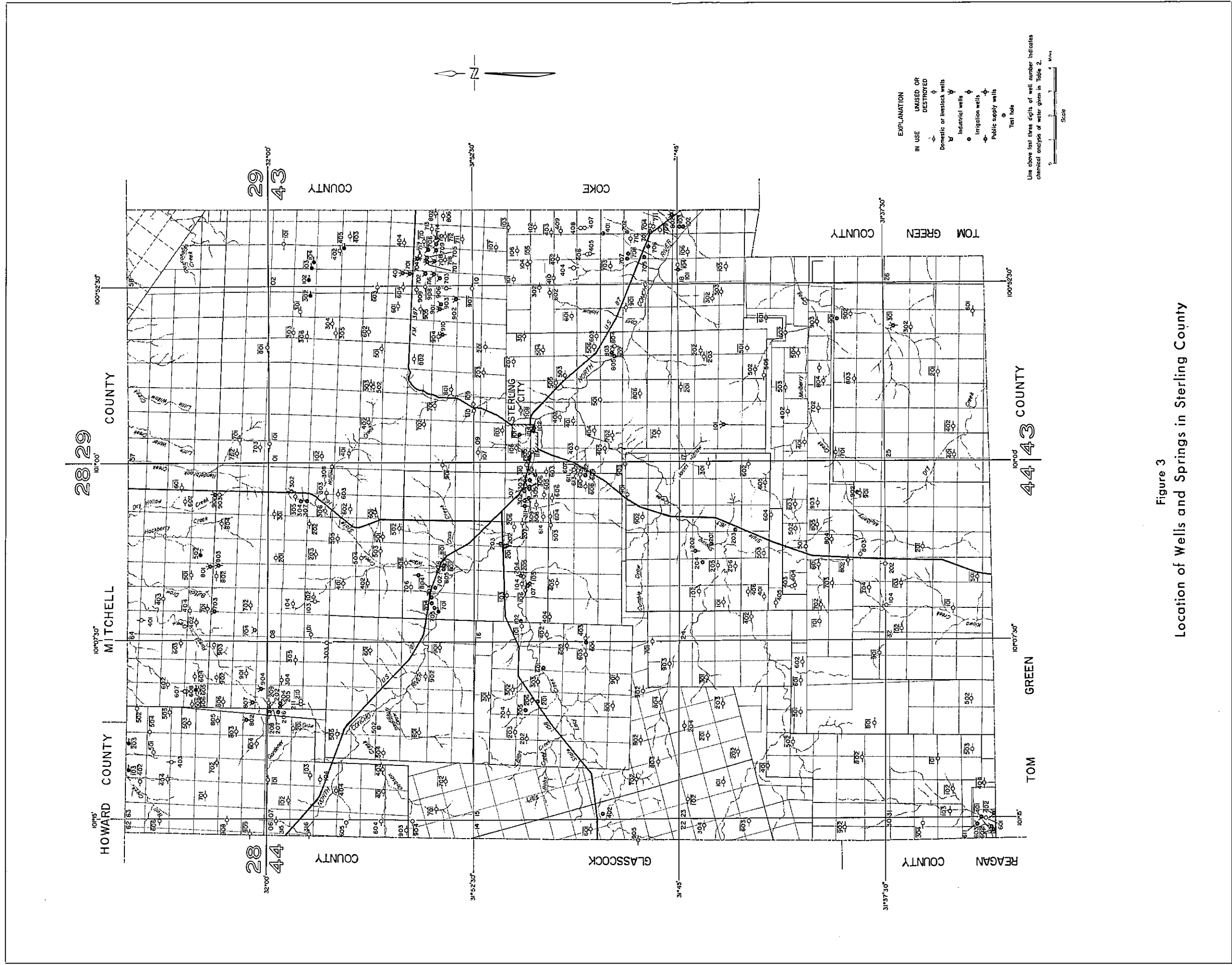


Figure 3  
Location of Wells and Springs in Sterling County