

Texas Board of Water Engineers

G. S. Clark, Chairman
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SCURRY COUNTY, TEXAS

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

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OCTOBER, 1946**

TEXAS BOARD OF WATER ENGINEERS

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GROUND WATER IN PARTS OF SCURRY COUNTY, TEXAS

By

D. B. Knowles

October 1946

A study of the ground-water resources in parts of Scurry County, Texas, was made in May and June 1946 by the Texas State Board of Water Engineers in cooperation with the U. S. Geological Survey, with special reference to possible sources of ground-water supplies available for Snyder, the county seat.

The writer spent about 3 weeks making a field investigation, devoted mostly to the area extending from Snyder eastward to Fisher County and southward to Mitchell County.

Investigations of ground water in the Camp Springs area of eastern Scurry County were made in 1937 by W. O. George, of the Geological Survey, and A. H. Dunlap, of the State Board of Water Engineers, for the town of Rotan, and in 1943 by J. W. Lang, of the Geological Survey, in connection with a search for public water supply for the town of Roby, in Fisher County. The data obtained during those investigations have been incorporated in the present report, which includes records of 177 wells and one spring, logs of 43 wells and chemical analyses of water from 108 wells and the spring. The well records are given on pages 4 to 19, the well logs on pages 20 to 26, and the chemical analyses on pages 27 to 30.

Geologic formations and their water-bearing properties

The rocks exposed at the surface in Scurry County, and those within reach of ordinary water well-drilling equipment, are of Permian, Triassic, Cretaceous, and Tertiary age (see map, fig. 1). They are briefly discussed below in ascending order.

Permian system - Rocks of upper Permian age (Quartermaster formation and Whitehorse sandstone) are exposed in the northeastern part of the county. They dip westward and are believed to underlie the entire county. The Permian rocks, which are commonly called "red beds", generally yield highly mineralized water.

Triassic system - Rocks of the Dockum group, of Triassic age, composed of irregularly-bedded and variegated sands, clays, and conglomerates, lie unconformably on the Permian rocks in all parts of the county except the northeastern corner, where they have been removed by erosion. Triassic rocks yield water for domestic use and stock to a large number of farm wells, and in the vicinity of Camp Springs in the eastern part of the county five wells in Triassic sandstone (nos. 322 to 326) supply the city of Rotan, in Fisher County. The wells range in depth from 40 to 172 feet.

Lower Cretaceous series - Rocks of the Lower Cretaceous series, including sands of the Trinity group and limestones of the Fredericksburg group, lie unconformably on the Triassic rocks. They cap some of the isolated peaks in the northern part of the county and in some places crop out in narrow bands near

the base of the escarpment of the overlying Ogallala formation. According to Hoots ^{1/}, these rocks in Scurry County range in thickness from 15 to 157 feet.

Tertiary system - Deposits of the Ogallala formation, of Pliocene age, lie unconformably on rocks of Triassic and Cretaceous age in a belt of varying width that extends across the county in a northwest-southeast direction. The formation consists of unconsolidated, heterogeneous deposits of clay, sand, and gravel. It is comparatively thin in most parts of the county but may reach a thickness of 200 feet in some places. Farm wells obtain adequate supplies from sands in these deposits, but wells of larger yield, such as the railroad and city wells at Snyder and the railroad wells at Dermott, draw water from both the Ogallala formation and the underlying Triassic rocks.

Ground-water development

Farm and ranch wells - Most of the wells listed in this report supply water to farms and ranches for domestic use and stock, range in depth from 75 to 200 feet, and are equipped with windmills.

City of Snyder - The city of Snyder has four wells (nos. 206, 216, 217, and 311), ranging in depth from 160 to 205 feet. Three of these wells (nos. 216, 217, and 311), are equipped with deep-well turbine pumps. The pumpage is estimated to range from 250,000 to 500,000 gallons a day, and to average about 375,000 gallons a day.

Wells 216 and 217 are only 100 feet apart. When either of these wells is pumped and the other is idle the reported yield of the pumped well is about 250 gallons a minute. When both wells are pumped the combined yield is said to be much less than 500 gallons a minute, owing to interference between them. It is reported that well 216 sucks air after both wells have been pumped continuously for 30 days. The pump bowls in both wells are set 110 feet below the surface. In 1946 the pumping water level in well 217 was 108 feet below the surface.

Railroad well at Snyder - Prior to 1923 the Santa Fe Railroad used water from three wells at Snyder (nos. 222, 223, and 224), ranging in depth from 75 to 108 feet. The railroad now uses one well at Snyder (no. 310), 163 feet deep, which yields about 135 gallons a minute.

Railroad wells at Dermott - The Santa Fe Railroad has four wells at Dermott (nos. 6, 7, 8, and 9), ranging in depth from 313 to 337 feet, three of which (nos. 7, 8, and 9) are equipped with deep-well cylinders and are in use. It is reported that well 7 yields 25 gallons a minute and wells 8 and 9 yield 40 gallons a minute each.

Town of Hermleigh - The water supply for Hermleigh is obtained from three wells (nos. 365, 366, and 367), ranging in depth from 220 to 260 feet. These wells are all equipped with small pumps and the total yield is small.

City of Retan, in Fisher County - The city of Retan, in Fisher County, obtains water from five wells in the eastern part of Scurry County (nos. 322, 323, 324, 325, and 326), near Camp Springs. These wells range in depth from 40 to 172 feet, draw water from Triassic sandstone, and are reported to yield from 17 to 50 gallons a minute each. The water is carried to Retan through a pipe line about 15 miles long.

^{1/} Hoots, H. W., Geology of a part of western Texas and southeastern New Mexico: U. S. Geol. Survey Bull. 780-B, p. 102, 1925.

Quality of water

Partial analyses of water from 108 wells are given on pages 27 to 30.

All the wells are believed to draw from the Ogallala formation or from Triassic rocks or from both. The water is somewhat hard, in some wells excessively so, but in other respects it is generally of satisfactory quality for farm and ranch use and for public supply. However, a few farm wells in the southeastern part of the county (nos. 356, 371, 378, 380, 402 and 403) yield water that is objectionably high in sulfate.

Summary and conclusions

This report contains records of 177 wells, logs of 43 wells, and chemical analyses of water from 108 wells in Scurry County, Texas. Most of the wells are in the southeastern quarter of the county, and all of them are believed to draw water from sands in the Ogallala formation or from Triassic rocks or from both. Most of the wells range in depth from 75 to 200 feet, are pumped with windmills, and supply water to farms and ranches for domestic use and stock. The city of Snyder is supplied with an average of about 375,000 gallons a day from three wells 165 to 205 feet in depth. Two of these wells are only 100 feet apart, and because of this close spacing they are subject to serious mutual interference. The town of Hermleigh obtains water from three wells ranging in depth from 220 to 260 feet, the combined yield of which is small. Rctan, in Fisher County, is served through a pipe line about 15 miles long from five wells in the vicinity of Camp Springs, 40 to 172 feet in depth, with a reported yield of 17 to 50 gallons a minute each. The town of Roby, also in Fisher County, is contemplating the development of water from wells in the same general area. The Santa Fe Railroad obtains water at Snyder from a well 165 feet deep, with a reported yield of 135 gallons a minute, and at Dermott from three wells 313 to 337 feet deep, with a reported combined yield of 105 gallons a minute.

With a few exceptions, most of the wells listed in the report yield water that is hard but otherwise is acceptable for domestic use or public supply.

It is concluded that, if needed, additional water could be obtained for the public supply of Snyder by putting down another well at least 1,000 feet from any of the present city wells or the Santa Fe Railroad well; and that conditions are favorable for the development of more water in the Camp Springs area for the public supplies of Rctan and Roby.

Records of wells in Scurry County, Texas
All wells are drilled unless noted in the remarks column

Well	Distance from Snyder	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) ^{a/}
1	5 miles northwest	Hal McClinton	--	--	75	--	0.3
2	4 $\frac{1}{2}$ miles northwest	Guy Stoker	--	--	58	--	0.8
3	4 miles northwest	H. C. Price	--	--	115	--	0.4
4	3 $\frac{1}{2}$ miles northwest	Nolan Von Roeder	--	--	127	--	1.5
5	3 miles north	Guy Stoker	-- Dennis	1943	80	5- 3/8	1.2
6	11 miles northwest	Santa Fe R.R.	--	--	313	10,8, 6	--
7	do.	do.	--	--	313	10,8, 6	--
8	do.	do.	--	--	326	8, 6	--
9	do.	do.	--	--	337	8, 6	--
101	4 miles north	C. M. Lyons	--	--	150	--	0.6
102	3 $\frac{1}{4}$ miles north	Dr. C. R. Cockrell	--	--	120	--	0.6
103	3 miles north	S. W. Treavey	--	--	86	--	1.0
104	3 $\frac{1}{4}$ miles northeast	E. M. Armstrong	--	--	170	--	0.8
105	11 $\frac{1}{2}$ miles east	--	Humble Oil Co.	1937	254	--	--
106	12 $\frac{1}{2}$ miles east	-- Trice	do.	1937	254	--	--
107	13 miles east	--	do.	1937	204	--	0
108	14 $\frac{1}{2}$ miles east	L. E. Howe	--	--	160	5	--
109	10 $\frac{1}{2}$ miles east	--	Humble Oil Co.	1937	242	--	--
110	11 miles east	--	do.	1937	254	--	--
111	do.	-- Trice	--	--	190	--	--

^{a/} Measuring point is usually top of casing, top of pipe clamp, or top of pump base or foundation.

^{b/} Method of lift: T, turbine; Cf, centrifugal; J, jet; C, cylinder; E, electric; O, diesel; W, windmill. Number indicates horsepower.

Chemical analyses of water from most of these wells are given in the table of analyses

Well	WATER	LEV L	Method of lift	Use of water	Remarks
	Below land surface (ft.)	Date of measurement			
1	49.5	May 20, 1946	C,W	D,S	
2	47.5	do.	C,W	D,S	
3	75.0	do.	C,W	D,S	
4	75.2	do.	C,W	D,S	
5	33.8	do.	C,W	S	Cased to 40 feet. Water level reported 30 feet in 1943.
6	d/180	--	None	N	Ten-inch hole to 185 feet; 8-inch hole 185 to 313 feet. Elevation above sea
7	d/165	--	C,-	RR	Casing: 10-inch level 2,537+ feet. See log to 184 feet; 8-inch from land surface to 231.5 feet; 6-inch from 219.7 to 315 feet. Reported yield, 25 gallons a minute. Elevation above sea level, 2,537 ± feet.
8	--	--	C,-	RR	Casing: 8-inch to 230 feet; See log. 6-inch from 225 to 326 feet. Reported yield, 40 gallons a minute. Elevation above sea level, 2,537+ feet. See log.
9	--	--	C,-	RR	Casing: 8-inch to 229 feet; 6-inch from 220 to 327 feet. Reported yield, 40 gallons a minute. Elevation above sea level, 2,537+ feet. See log.
101	131.0	May 21, 1946	C,W	D,S	
102	93.7	do.	C,W	D,S	
103	67.9	do.	C,W	D,S	
104	130.3	May 22, 1946	C,W	D,S	Reported a weak well.
105	--	--	None	N	Elevation above sea level 2,388 feet. Geophysical shot hole. See log.
106	d/ 70	Nov. 1, 1937	None	N	Elevation above sea level 2,288 feet. Geophysical shot hole. See log.
107	31.4	do.	None	N	Elevation above sea level 2,239 feet. Geophysical shot hole. See log.
108	d/120	Nov. 6, 1937	C,W	D,S	Reported a weak well.
109	--	--	None	N	Elevation above sea level 2,395 feet. Geophysical Shot hole. See log.
110	--	--	None	N	Elevation above sea level 2,340 feet. Geophysical shot hole. See log.
111	--	--	C,W	D,S	

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

d/ Water level reported by driller or owner.

Records of wells in Scurry County -- Continued

Well	Distance from Snyder	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
112	13 $\frac{1}{2}$ miles east	B. L. Moffett	B. L. Moffett	1923	97	10	1
113	14 $\frac{1}{8}$ miles east	--	Humble Oil Co.	1937	134	--	0
114	5 $\frac{1}{2}$ miles north	C. W. Wood	The California Co.	1925	3,734	20	--
201	3 $\frac{1}{2}$ miles northwest	Nolan Von Roeder	--	--	100	--	1.4
202	3 $\frac{1}{2}$ miles northwest	John Jacobs	--	--	70	--	0.5
203	2 $\frac{3}{4}$ miles northwest	S. S. Austin	--	1921	116	--	0.9
204	1 $\frac{1}{2}$ miles north	C. M. Payne	--	--	92	--	0.1
205	1 $\frac{1}{2}$ miles north	J. A. Clark	--	--	67	--	0.5
206	In Snyder	City of Snyder	D. D. Doty	1928	187	17	0.7
207	1 mile west	J. A. Fowler	--	--	90	--	0.8
208	2 miles west	C. J. Merritt	--	--	91	--	1.1
209	3 miles west	L. A. Hill	--	--	96	--	0.3
210	4 $\frac{1}{2}$ miles west	J. E. Woodson	-- Wren	--	50	5	0.9
211	do.	J. T. Biggs	Will Cordell	--	160	6	--
212	3 $\frac{1}{2}$ miles west	Lester Moore	-- Dennis	1929	200	6	0.3
213	3 $\frac{1}{2}$ miles west	H. G. Moore	do.	1923	225	6	0.6
214	2 $\frac{3}{4}$ miles west	Dewey Moore	--	--	188	--	0.8
215	2 miles west	J. W. Key	--	--	122	--	0.5
216	In Snyder	City of Snyder	D. D. Doty	1925	160	17	--
217	do.	do.	do.	1926	165	17	2.0
218	3 $\frac{1}{4}$ miles south	A. C. Prewitt	--	--	110	--	0.8
219	12 $\frac{1}{2}$ miles southwest	O. L. Burney	Ordovician Oil Co. and Pearson-Sibert Oil Co.	1941	2,494	8,7	--
220	12 miles southwest	Emmitt Rasco	H. W. Snowden	1945	2,409	10,8	--
221	13 $\frac{1}{2}$ miles south	F. W. Hardee	Wasson Oil Co.	1945	1,725	8-5/8,	--

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below land surface (ft.)	Date of measurement			
112	63±	Nov. 6, 1937	C,W	D,S	Reported that quicksand caused well to sand up.
113	43.4	Nov. 1, 1937	None	N	Elevation above sea level 2,270 feet. Geophysical shot hole See log.
114	--	--	None	N	Oil test. Elevation above sea level 2,225 feet. See log.
201	56.3	May 20, 1946	C,W	D,S	
202	50.4	do.	C,W	D,S	
203	97.0	do.	C,W	D,S	
204	48.4	do.	C,W	D,S	
205	48.0	do.	C,W	D,S	
206	45.4	May 22, 1946	None	N	Steel casing. Not in use when visited. Plan to install pump soon. See log.
207	34.6	May 27, 1946	C,W	D,S	
208	58.8	do.	C,W	D,S	
209	76.1	do.	C,W	D,S	
210	41.8	do.	C,W	D,S	
211	a/109	May 23, 1946	C,W	D,S	Lowermost 20 feet cased. Reported a weak well. "Red beds" reported at 160
212	69.4	do.	C,W	D	Cased to 200 feet. "Red beds" reported at bottom. feet.
213	123.5	do.	C,W	D,S	Cased to 225 feet. "Red beds" reported. First stratum of water sand cased off.
214	129.4	do.	C,W	D,S	
215	114.4	May 22, 1946	C,W	D,S	
216	--	--	T,E, 20	P	Cased to 160 feet. Pump set at 110 feet, 6-inch column. Said to weaken after 30 days continuous pumping. Reported yield
217	65.9	May 23, 1946	T,E, 15	F	Cased to 250 feet. Reported yield 250 gallons a minute. See log. Pump set at 110 feet, 6-inch column. Reported yield 250 gallons a minute with 40 feet drawdown after 4 hours pumping on May 23, 1946. About 100 feet east of well 216. See log.
218	82.0	do.	C,W	D,S	
219	--	--	None	N	Oil test. See log.
220	--	--	None	N	Oil test. Elevation above sea level 2,270 feet. See log.
221	--	--	None	N	Oil test. Elevation above sea level 2,250 feet. See log.

Records of wells in Scurry County -- Continued

Well	Distance from Snyder	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a'</u>
222	In Snyder	Santa Fe R.R.	--	--	108	10,8	--
223	do.	do.	--	--	80	10	--
224	do.	do.	--	--	75	6 $\frac{1}{2}$	--
301	2 $\frac{1}{2}$ miles northeast	Stiles Treavey	--	--	98	--	0.6
302	2 miles northeast	F. H. Patterson	--	Old	100	--	0.5
303	4 miles northeast	Buford Light	--	Old	169	5	0.8
304	5 miles east	Bill F. Brooks	Clyde Dennis	1926	176	6,4 $\frac{3}{4}$	0.9
305	4 $\frac{1}{2}$ miles east	F. Brownfield	do.	1946	230	5	--
306	3 $\frac{1}{2}$ miles east	R. N. Sterling	--	1940	156	6	1.0
307	3 $\frac{1}{2}$ miles east	J. M. Bailey	--	--	136	--	0.6
308	1 $\frac{1}{2}$ miles northeast	A. M. Cleghorn	--	Old	100	--	0.6
309	In Snyder	Joe Wolf	--	Old	76	--	0.7
310	do.	Santa Fe R.R.	--	--	163	6	--
311	do.	City of Snyder	D. D. Dcty	1945	205	12, 17	3.9
312	2 $\frac{3}{4}$ miles east	G. M. Rogers	--	--	87	--	0.5
313	3 $\frac{1}{2}$ miles east	J. M. Rosson	--	--	149	--	0.9
314	3 $\frac{3}{4}$ miles east	do.	-- Eisentower	1924	164	5	--
315	4 miles east	A. J. O'Neal	--	--	224	--	0.8
316	4 $\frac{3}{4}$ miles east	Ross Williams	--	--	189	--	0.5
317	11 miles east	--	Humble Oil Co.	1937	204	--	0
318	12 miles east	Oscar Alcott	--	--	83	5	--
319	do.	--	--	1937	194	--	0
320	12 $\frac{1}{2}$ miles east	-- Higginbottom	--	--	80	8	1.5

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below land surface (ft.)	Date of measurement			
222	d/ 48	--	None	N	Casing: 10-inch to 58.7 feet; 8-inch from 53 to 75.5 feet; 8-inch casing to 108 feet. Reported yield, 150 gallons a minute before abandoned in 1928. Elevation above sea level 2,407± feet. See log.
223	d/ 48	---	None	N	Cased to 64.3 feet. Reported yield, 120 gallons a minute before abandoned in 1928. Elevation above sea level 2,407± feet. See log.
224	d/ 45	--	None	N	Cased to 75 feet. Elevation above sea level 2,401 feet. See log.
301	80	May 21, 1946	C,W	D,S	
302	62.9	do.	C,W	D,S	
303	160.0	May 22, 1946	C,W	D,S	
304	165.8	do.	C,W	D,S	Quicksand reported at bottom.
305	d/150	May 27, 1946	C,W	D,S	Cased to 230 feet. Quicksand reported from 180 to 200 feet.
306	141.1	May 22, 1946	C,W	D,S	
307	114.4	May 21, 1946	C,W	S	
308	72.0	May 28, 1946	C,W	D,S	
309	61.5	do.	C,W	D	Reported a strong well.
310	---	--	T,E, 20	RR	Cased to 140 feet. Reported yield 135 gallons a minute.
311	30.3	May 24, 1946	T,E, 15	P	Cased to 8 feet; 17-inch from 8 to 205 feet. Pump set at 170 feet, 4-inch column. Reported yield, 125 gallons a minute.
312	62.7	May 27, 1946	C,W	D,S	
313	125.6	do.	C,W	D,S	
314	d/135	do.	C,W	D,S	Cased to 164 feet.
315	159.6	do.	C,W	D,S	
316	159.4	do.	C,W	D,S	
317	93.5	Nov. 3, 1937	None	N	Elevation above sea level, 2,327 feet. Geophysical shot hole. See log.
318	d/ 60	Dec. 20, 1943	C,W	D,S	On outcrop of Triassic sandstone.
319	34.7	Nov. 2, 1937	None	N	Elevation above sea level, 2,261 feet. Geophysical shot hole. See log.
320	68.3	Nov. 4, 1937	C,W	D,S	

Records of wells in Scurry County -- Continued

Well	Distance from Snyder	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
321	12 $\frac{1}{2}$ miles east	--	-- Masters	1933	45	8	1.0
322	13 miles east	City of Rotan	Frank Aaron	1936	133	--	--
323	do.	do.	--	1928	97	42	0
324	do.	do.	Frank Aaron	1934	160	12	2
325	do.	do.	W. P. A.	1934	40	--	--
326	do.	do.	Frank Aaron	1934	172	--	--
327	13 $\frac{1}{2}$ miles east	-- Boone	Humble Oil Co.	1937	124	--	0
328	14 miles east	W. B. Willingham	-- Aaron	--	75	6	0
329	13 miles east	Grady Williams	-- Masters	--	41	8	2.2
330	11 $\frac{1}{2}$ miles east	--	--	-- Spring	--	--	--
331	5 miles east	J. E. Maule	--	Old	97	--	0.3
332	4 $\frac{1}{2}$ miles east	C. N. Von Roeder	--	--	97	9	0.2
333	3 miles east	W. M. Hendricks	--	--	88	5	0.4
334	2 $\frac{3}{4}$ miles east	Jim Wilson	--	--	96	--	0.4
335	2 miles east	Clarence E. Moore	--	--	94	5	0.6
336	2 $\frac{1}{4}$ miles southeast	I. F. Smith	Clyde Dennis	1945	85	5	0
337	In Snyder	S. E. Keller	--	--	75	5	1.2
338	3 miles southeast	J. E. Patrick	--	--	103	6	0.9
339	3 $\frac{1}{2}$ miles southeast	Worley Early	A. E. Dennis	Old	145	4	0.2
340	3 $\frac{3}{4}$ miles southeast	W. H. Merritt	John Handy	1917	78	--	1
341	14 $\frac{1}{2}$ miles east	R. E. Joyce	--	Old	150	6	--
342	13 miles east	A. F. Gannaway	--	Old	160	--	--

Well	WATER	LEVEL	Method of lift	Use of water	Remarks
	Below land surface (ft.)	Date of measurement			
321	37.0	Dec. 2, 1943	None	N	Drilled as test well for City of Rotan; no pumping test made. Water reported in
322	d/ 50	Sept. 15, 1937	T, 0, 15	P	Not cased. Eighty- Triassic sandstone. five feet drawdown after pumping 30 gallons a minute for $\frac{1}{2}$ hour. Water reported in gravel from 117 to 134 feet.
323	75.0	do.	-, 0, 6	P	Water reported in sand- See log. stone from 80 to 97 feet. Reported yield 17 gallons a minute continuously
324	119	do.	-, 0, 6	P	Galvanized iron for 2 years or more. casing to 160 feet. Reported yield, 17 gallons a minute. Elevation above sea
325	34.6	Nov. 4, 1937	Cf, 0, 6	P	Dug, 12 level, 2,257 feet. See log. feet diameter. Well exhausted after pumping 34 gallons a minute for $3\frac{1}{2}$ hours.
326	d/ 38	Sept. 15, 1937	T, 0, 6	P	No casing. Measured yield, See log. 17 gallons a minute. See log.
327	26.5	Nov. 4, 1937	None	N	Elevation above sea level, 2,259 feet. Geophysical shot hole. "Red beds" from
328	68.1	Dec. 2, 1943	C, W	D, S	Reported 84 to 124 feet. See log. yield, 6 to 8 gallons a minute.
329	17.2	do.	C, W	D, S	Steel casing. On outcrop of massive gray sandstone. Drilled as test well for City of Rotan. Reported yield, 40 gallons a minute in bailer test, which did not exhaust well. No pumping test made.
330	--	--	Flows	S	Estimated yield, 40 to 50 gallons a minute.
331	80.3	May 23, 1946	C, W	D, S	Not cased.
332	85.3	May 24, 1946	C, W	D, S	Galvanized iron casing.
333	77.4	do.	C, W	D, S	
334	84.9	do.	C, W	D, S	
335	42.0	May 27, 1946	C, W	D, S	Steel casing.
336	33.4	May 23, 1946	Cf, E, 1/3	D	Cased to 60 feet. First water sand at 47 feet; second water sand from 67 to 85 feet. "Red beds" reported at 85 feet.
337	29.7	May 25, 1946	C, W	D	Galvanized iron casing to 30 feet.
338	44.5	May 24, 1946	C, W	D, S	Cased to 15 feet. Original depth reported 110.5 feet. "Red beds" at 110.5
339	80.1	do.	C, E, $\frac{1}{2}$	D, S	Cased to 25 feet. feet.
340	60.9	May 25, 1946	C, W	D, S	Drilled to "red beds".
341	d/ 60	Dec. 2, 1943	C, W	D, S	On outcrop of Triassic sandstone; sandstone not so massive farther north.
342	d/ 65	Dec. 20, 1943	C, W	D, S	Medium to coarse-grained Triassic sandstone crops out in draws both to east and west of well.

Records of wells in Scurry County -- Continued

Well	Distance from Snyder	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
343	11 miles east	A. A. McMillan	--	--	225	6	0.9
344	6 miles southeast	W. B. Werner	--	Old	110	--	0.4
345	5 miles southeast	Paul Moore	--	--	72	--	0.6
346	4½ miles southeast	J. R. Williamson	--	Old	140	5	0.4
347	3½ miles southeast	B. J. Tucker	--	--	100	--	1.0
348	3¾ miles southeast	Charles S. Stewart	--	Old	72	--	1.3
349	4½ miles southeast	J. A. Merritt	J. A. Merritt	--	72	4	0.4
350	5 miles southeast	H. L. Williamson	--	1916	109	6	1.5
351	6 miles southeast	Mrs. Blanche Daugherty	Will Scribner	1904	120	--	0.9
352	9½ miles southeast	Annie Goebel	--	Old	176	--	1.0
353	13 miles east	Jacob Brom	-- Brown	1928	156	6	--
354	14 miles east	D. E. Watson	-- Cagle	1938	200	6	--
355	14½ miles east	A. J. Cajanek	Ike Bloomer	1919	160	6	--
356	13 miles east	J. J. Henry	W. A. Webb	1942	309	8	--
357	12½ miles southeast	Mrs. J. S. Farr	Ike Bloomer	1915	151	--	0.7
358	11½ miles southeast	C. B. Gleastine	Charlie Brannen	1917	175	8	1.0
359	11 miles southeast	W. M. Sturdivant	--	Old	190	4	0.4
360	7 miles southeast	Ben Thomason	-- Dennis	1920	104	--	0.5
361	6 miles southeast	P. Freytag	--	--	121	--	1.0
362	6½ miles southeast	Ed Fenton	-- Brown	1922	117	6	0.8
363	8 miles southeast	Joe Earnest	--	--	111	--	0.6
364	11 miles southeast	J. L. Burleson	--	Old	167	--	0.9
365	do.	City of Harmleigh	--	Old	260	6	--
366	do.	do.	--	1928	240	6	--
367	do.	do.	--	1928	220	6	--
368	14½ miles southeast	J. J. Henry	--	1927	134	--	1.0

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below land surface (ft.)	Date of measurement			
343	156.8	June 28, 1946	C,W	D,S	Galvanized iron casing.
344	69.3	June 21, 1946	C,W	D,S	Not cased.
345	53.6	May 24, 1946	C,W	D,S	
346	116.8	do.	C,W	D,S	Galvanized iron casing.
347	45.8	do.	C,W	D,S	
348	47.0	do.	C,W	D,S	
349	34.6	do.	C,W	D,S	
350	59.3	June 25, 1946	C,W	S	Said to have once yielded water of good quality; now not usable for drinking or cooking.
351	77.9	June 22, 1946	C,W	D,S	No casing.
352	156.5	June 28, 1946	C,W	D,S	Do.
353	--	--	C,E, 1 $\frac{1}{2}$	D,S	Cased to 156 feet. Said to have been drilled to "red beds".
354	--	--	C,W	D,S	Obstruction at 88 feet.
355	--	--	C,W	D,S	Cased to 60 feet. Obstruction at 121 feet.
356	d/200	June 27, 1946	C,W	D,S	Cased to 6 feet. Obstruction at 175 feet.
357	128.4	do.	C,W	D,S	No casing.
358	143.6	do.	C,W	D,S	Galvanized iron casing. Reported a strong well.
359	167.6	do.	C,W	D,S	Galvanized iron casing to 180 feet. Reported a strong well.
360	78.1	June 22, 1946	C,W	D,S	No casing.
361	104.4	June 25, 1946	C,W	D,S	
362	95.4	June 24, 1946	C,W	D,S	Cased to 113 feet. Sandstone reported at 113 feet.
363	75.1	June 22, 1946	C,W	D,S	
364	136.5	June 27, 1946	C,W	D,S	No casing.
365	d/120	June 20, 1946	C,E, 1	P	Cased to 260 feet. Reported yield, 2 to 3 gallons a minute. Well leased from
366	--	--	C,E, $\frac{3}{4}$	P	Cased to 240 feet. Pumping level, 193 feet below
367	--	--	C,E, 5	P	Cased to 220 feet. Reported a very weak well; yield, 2 to 3 gallons a minute.
368	108.3	June 27, 1946	C,W	D,S	No casing.

Records of wells in Scurry County -- Continued

Well	Distance from Snyder	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
369	14 miles southeast	Major Kinsey	--	--	133	6	0.2
370	13 miles southeast	W. A. Cross	-- Smith	1908	156	5	0.2
371	12 miles southeast	Mrs. J. M. Wemken	--	Old	175	--	0.7
372	10 miles southeast	Carl Gray	--	1946	160	--	0
373	9 $\frac{1}{2}$ miles southeast	do.	--	--	116	6	0.2
374	8 $\frac{1}{2}$ miles southeast	A. P. Smith	--	--	93	--	0
375	9 miles southeast	H. M. Blackard	--	--	90	--	--
376	8 $\frac{1}{2}$ miles south	A. R. McFarland	Bob White	1944	74	8	0.7
377	do.	J. E. Lewis	--	--	87	--	0
378	10 miles southeast	H. O. Norwood	--	--	100	6	0.9
379	12 miles southeast	Shell Pipeline Corp.	--	1923	196	6	--
380	12 $\frac{1}{2}$ miles southeast	Mrs. Mabel Kemp	Emmett Vaughn	1902	162	6	0.8
381	16 $\frac{1}{2}$ miles southeast	J. E. Walton	Walter Nix	1926	160	6	1.2
382	16 miles southeast	A. J. Collier	--	Old	120	6	0.8
383	15 miles southeast	H. R. Zinke	--	--	100	6	0.8
384	14 miles southeast	V. H. Freytag	-- Brock	1910	110	6	0.2
385	13 miles southeast	Mrs. Steve Kemp	--	--	124	--	1.2
386	do.	A. J. Kuss	Ike Bloomer	1922	136	--	1.0
387	12 miles southeast	S. O. Casey	do.	1900	111	--	0.8
388	11 miles southeast	Martin Murphy	--	--	74	6	0.3
389	11 $\frac{1}{2}$ miles southeast	H. M. Murphy	--	--	68	5 $\frac{1}{2}$	0.4
390	12 $\frac{1}{2}$ miles southeast	Clarence Merritt	--	--	89	--	1.1
391	14 $\frac{1}{2}$ miles southeast	Frank Kuss	-- Nordyke	1923	148	6	0.8
392	15 miles southeast	H. A. Wimmer	--	--	121	--	0.5
393	16 miles southeast	Emil Schattel	-- Dennis	1937	105	6	1.0
394	17 miles southeast	G. O. May	--	1919	125	6	--
395	do.	Mrs. M. P. Ebie	--	--	120	--	1.1

Well	WATER	LEVEL	Method of lift b/ c/	Use of water c/	Remarks
	Below land surface (ft.)	Date of measurement			
369	103.7	June 26, 1946	C,W	D,S	Steel casing.
370	132.2	do.	C,W	D,S	Cased to 156 feet. Measured depth in June 1946, 139 feet.
371	164.0	do.	C,W	D,S	
372	36.7	June 21, 1946	None	N	Geophysical shot hole.
373	54.5	do.	C,W	D,S	Cased to 20 feet.
374	57.6	June 24, 1946	C,W	D,S	No casing.
375	--	--	Cf,E, 1/3	D,S	Do.
376	22.8	June 24, 1946	C,W	D,S	Cased to five feet. Reported that driller bailed well at rate of 15 gallons a minute.
377	52.6	do.	C,W	D,S	No casing.
378	44.9	June 21, 1946	C,W	D,S	Cased to 20 feet.
379	d/135	June 29, 1946	C,E, 2	D,Ind	Cased to 196 feet. Reported yield, 4 gallons a minute.
380	128.1	June 27, 1946	C,W	D,S	
381	120.4	June 26, 1946	C,W	D,S	Galvanized iron casing to 160 feet. Sandstone reported at 160 feet.
382	106.5	June 27, 1946	C,W	D,S	Galvanized iron casing.
383	79.6	June 26, 1946	C,W	D,S	Cased to 100 feet.
384	78.5	do.	C,W	D,S	Cased to 20 feet. Original depth reported 160 feet.
385	93.6	do.	C,W	D,S	
386	113.8	do.	C,W	D,S	No casing.
387	98.4	do.	C,W	D,S	Do.
388	63.4	June 21, 1946	C,W	D,S	Original depth reported 85 feet.
389	48.3	do.	C,W	D,S	
390	28.6	do.	C,W	D,S	No casing.
391	87.1	June 26, 1946	C,W	D,S	Cased to 20 feet. Drilled to "red beds".
392	81.8	do.	C,W	D,S	Original depth reported 169 feet.
393	64.1	June 25, 1946	C,W	D,S	Cased to 20 feet.
394	d/ 65	do.	C,W	D,S	Galvanized iron casing to 125 feet. Obstructed at 20 feet.
395	86.5	do.	C,W	D,S	No casing.

Records of wells in Scurry County -- Continued

Well	Distance from Snyder	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
396	18 miles southeast	A. A. Allen	-- Yarborough	1945	100	--	--
397	do.	W. F. Glass	--	--	109	5	0.8
398	18½ miles southeast	A. E. Lee	--	--	60	6	--
399	do.	Inadale Co-Op. Gin Co.	--	1926	100	6	--
400	do.	W. M. Rountree	--	1937	100	6	0.3
401	18 miles southeast	R. E. Althoff	--	--	90	--	0.8
402	17½ miles southeast	C. H. Stahl	--	--	58	--	0.5
403	do.	Mrs. M. P. Ebie	--	Old	94	--	0.9
404	14½ miles southeast	R. F. Leard	--	1924	120	--	0.5
405	do.	China Grove Gin Co.	Cliff Morrow	1925	56	--	0
406	do.	do.	do.	1922	55	--	--
407	9½ miles east	--	Humble Oil Co.	1937	300	--	--
408	10½ miles east	M. B. Hamilton	--	--	93	6	0.5
409	9½ miles east	J. C. Turner	--	--	200	--	--
410	8½ miles east	E. A. Dan	--	--	180	--	--
411	9 miles east	E. J. Smith	--	--	165	6	0.5
412	do.	--	Humble Oil Co.	1937	104	--	--
413	do.	--	do.	1937	264	--	--
414	10½ miles east	Marion Hamilton	--	--	154	--	0.5
415	13 miles east	M. W. Bavousett	--	1895	77	6	2
416	13½ miles east	-- Simpson	--	1937	154	--	0
417	do.	-- Brown	--	--	110	6	1
418	11½ miles east	--	Humble Oil Co.	1937	100	--	--
419	9½ miles east	--	do.	1937	120	--	0
420	do.	--	do.	1937	204	--	--

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below land surface (ft.)	Date of measurement			
396	d/ 40	June 1946	J, E, 1	D	No casing. Reported yield, 4 gallons a minute. Flint rock reported at 100 feet.
397	82.5	June 25, 1946	C, W	D, S	Cased to 20 feet.
398	--	--	J, E, $\frac{3}{4}$	D	
399	--	--	C, E, $\frac{3}{4}$	Ind	Reported yield, 8 gallons a minute.
400	41.5	June 26, 1946	C, E, $\frac{1}{2}$	Ind	Steel casing. Reported yield in 1937, 8 gallons a minute; in June 1946, 3 to 4 gallons a minute. Supplies laundry.
401	30.4	June 25, 1946	C, W	D, S	No casing. Obstructed at 44 feet.
402	28.5	do.	C, W	D, S	
403	72.2	do.	C, W	D, S	
404	77.0	June 26, 1946	C, W	D, S	No casing. Obstructed at 81 feet.
405	16.4	June 21, 1946	None	N	No casing. Drilled to "red beds". Eighteen feet east of well 406.
406	--	--	C, E, $\frac{1}{3}$	Ind	No casing. Reported yield, 12 gallons a minute. Drilled to "red beds".
407	--	--	None	N	Elevation above sea level 2,411 feet. Geophysical shot hole. See log.
408	80.2	Nov. 4, 1937	C, W	D, S	Elevation above sea level 2,310 feet.
409	--	--	--	--	Elevation above sea level 2,360 feet.
410	--	--	--	--	Elevation above sea level 2,370 feet.
411	144.8	Nov. 3, 1937	--	--	Elevation above sea level 2,360 feet. Drilled to 180 feet. "Red beds" reported
412	--	--	None	N	Elevation above sea level 2,380 feet. Geophysical shot hole. at 173 feet.
413	151+	--	None	N	Elevation above sea level 2,424 feet. Hole was bridged at 152 feet; no water at that depth. Geophysical shot hole. See log.
414	144.8	Nov. 3, 1937	C, W	D, S	Elevation above sea level 2,360 feet. shot hole. See log.
415	65.18	Nov. 4, 1937	C, W	D, S	Weak well. Drilled to "first water" only. Six-inch casing 12 feet.
416	87.1	do.	None	N	Elevation above sea level 2,247 feet. Geophysical shot hole. See log.
417	73.49	Nov. 3, 1937	C, W	D, S	Weak well.
418	--	--	None	N	Geophysical shot hole. See log.
419	109.2	Nov. 3, 1937	None	N	Elevation above sea level 2,391 feet. Geophysical shot hole. See log.
420	--	--	None	N	Elevation above sea level 2,376 feet. Geophysical shot hole. See log.

Records of wells in Scurry County -- Continued

Well	Distance from Snyder	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) <u>a/</u>
421	10 $\frac{1}{2}$ miles east	--	Humble Oil Co.	1937	204	--	--
422	11 $\frac{1}{2}$ miles east	J. T. Minor	do.	1937	200	--	--
423	do.	do.	--	--	163	--	--
424	13 miles east	--	Humble Oil Co.	1937	120	--	--
425	1 $\frac{1}{2}$ miles southeast	Roy Strayhorn	R. Wells	1930	888	8 $\frac{1}{4}$	--
426	11 miles southeast	Santa Fe R.R.	L. A. Richerson	1920	248	6	--
427	17 $\frac{1}{2}$ miles southeast	do.	--	--	150	8	--
428	do.	do.	--	--	153	8	--
429	do.	do.	--	--	152	8	--
430	do.	do.	B. W. Maxwell	1923	152	8	--
431	do.	do.	do.	1927	151	12 $\frac{1}{2}$	--

a/ Measuring point is usually top of casing, top of pipe clamp, or top of pump base or foundation.

b/ Method of lift: T, turbine; Cf, centrifugal; J, jet; C, cylinder; E, electric; O, diesel; W, windmill. Number indicates horsepower.

Well	WATER LEVEL		Method of lift	Use of water	Remarks
	Below land surface (ft.)	Date of measurement			
421	--	--	None	N	Elevation above sea level 2,343 feet. Geophysical shot hole. See log.
422	--	--	None	N	Elevation above sea level 2,317 feet. Hole bridged near surface. See log.
423	--	--	C,W	D,S	Elevation above sea level 2,320 feet.
424	--	--	None	N	Elevation above sea level 2,255 feet. Hole bridged at 23 feet. Geophysical
425	--	--	None	N	Oil test. shot hole. See log. See log.
426	d/180	1920	None	N	Drawdown reported six feet while pumping 8 gallons a minute. See log.
427	d/ 60	--	None	N	Cased to 65 feet. Reported yield, 18 gallons a minute. Original depth 327 feet; filled to 150 feet. Elevation above sea level, 2,409.4 feet. See log.
428	d/ 60	--	None	N	Cased to 65 feet. Reported yield, 8 gallons a minute. Elevation above sea level, 2,409± feet. See log.
429	d/ 60	--	C,-	RR	Cased to 63.7 feet. Reported yield, 20 gallons a minute. Elevation above sea level, 2,409± feet. See log.
430	d/ 87	1923	C,-	RR	Cased to 62.6 feet. Reported yield, 15 gallons a minute in 1923. See log.
431	d/ 87	1927	C,-	RR	Cased to 53.9 feet. Reported yield, 19 gallons a minute in 1927. See log.

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

d/ Water level reported by driller or owner.

Table of drillers' logs, Scurry County, Texas

	Thickness (feet)	Depth (feet)
<u>Well 6</u>		
Santa Fe R.R., 11 miles northwest of Snyder.		
Soil	2	2
White clay	10	12
Red clay	163	175
Blue clay	10	185
Red sand rock (water)	25	210
Sandy clay and shelly lime	75	285
Red sand rock (water)	20	305
Blue clay	8	313
<u>Well 7</u>		
Santa Fe R.R., 11 miles northwest of Snyder.		
Soil	2	2
Cemented gravel	12	14
Red clay	188	202
White sand rock (water)	13	215
Red clay and shelly rock	70	285
White sand rock (water)	28	313
Blue clay	2	315
<u>Well 8</u>		
Santa Fe R.R., 11 miles northwest of Snyder.		
Soil	2	2
White clayey gravel	10	12
Red clay	168	180
White clay and sand rock	100	280
White clay and sand rock (water)	30	310
White clay and sand rock	16	326
<u>Well 9</u>		
Santa Fe R.R., 11 miles northwest of Snyder.		
Soil	2	2
White clay	10	12
Red clay	168	180
White sand rock (water)	30	210
White clay	65	275
White sand rock and shells (water)	62	337

	Thickness (feet)	Depth (feet)
<u>Well 105</u>		
Owner not recorded, 11 $\frac{1}{2}$ miles east of Snyder.		
Soil	5	5
Brown sand	19	24
Caliche	26	50
Red sand	37	87
Hard sandstone	7	94
Water sand	26	120
Gravel, water	10	130
White clay	30	160
Brown sand	20	180
Sandstone	4	184
Sandy clay	46	230
Sand and gravel (water)	18	248
Black sandy clay	6	254
<u>Well 106</u>		
-- Trice, 12 $\frac{1}{2}$ miles east of Snyder.		
Soil	15	15
Red clay	5	20
Blue shale	5	25
Yellow shale	35	60
Soft brown sandstone (water-bearing)	55	115
Hard sandstone	5	120
Water sand	15	135
Red and blue clay	15	150
Red sandy clay	54	204
Brown sandy clay	30	234
Sand and gravel	20	254
<u>Well 107</u>		
Owner not recorded, 13 miles east of Snyder.		
Soil	5	5
Sand	35	40
Blue clay	12	52
Sandstone	12	64
Blue shale and gravel	56	120
Blue shale and red clay	18	138
Quicksand	32	170
Blue sandy clay	34	204

Table of drillers' logs, Scurry County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well 109</u>		
Owner not recorded, 10 $\frac{1}{2}$ miles east of Snyder.		
Sand and caliche	20	20
Sandy clay	30	50
Sandstone ledges	14	64
Hard packsand	40	104
Sandy clay and gravel	21	125
Hard sandstone	9	134
Red sandy clay	30	164
Red shale	30	194
Brown sandy shale	10	214
Red shale	28	242

	Thickness (feet)	Depth (feet)
<u>Well 110</u>		
Owner not recorded, 11 miles east of Snyder.		
Soil	3	3
Chalk rock	27	30
Red shale	30	60
Loose rock	5	65
Sandstone and gravel	10	75
Yellow sandy limestone	43	118
Hard lime	4	122
Yellow sandy clay	10	132
Shale	3	135
Red beds	5	140
Hard brown packsand	64	204
Red sandy clay	30	234
Brown sandy clay	10	244
Red shale	10	254

	Thickness (feet)	Depth (feet)
<u>Well 113</u>		
Owner not recorded, 14 $\frac{1}{2}$ miles east of Snyder.		
Soil	2	2
Sand	28	30
Sandstone	14	44
Sand	21	65
Blue shale	40	105
Red beds	29	134

	Thickness (feet)	Depth (feet)
<u>Well 114, partial log</u>		
C. W. Wood, 5 $\frac{1}{2}$ miles north of Snyder.		
Yellow sand	39	39

	Thickness (feet)	Depth (feet)
<u>Well 114, partial log -- continued</u>		
Gray lime	3	42
Gray sand	8	50
Sand	20	70
Red shale	15	85
Gray sand	55	140
Gray water sand, hole full fresh water	30	170
Gray sand	10	180
Blue sandy shale	20	200
Blue shale	10	210
Water sand	40	250
Gray sand	10	260
White sand	5	265
Red shale	60	325
Red sand	20	345
Red shale	40	385
Brown lime	25	410
Red sand	55	465
Anhydrite	8	473
Red shale	34	507
Anhydrite	20	527
Red shale	48	575
Anhydrite	15	590
Red shale	38	628
Anhydrite	7	635
Anhydrite, red shale	90	725
Red shale	75	800
Red sand	20	820
Red shale, salt	75	895
TOTAL DEPTH		3734

	Thickness (feet)	Depth (feet)
<u>Well 206</u>		
City of Snyder, in Snyder.		
Soil and clay	6	6
Chalk and gravel	14	20
Clay and gravel	21	41
Sand	7	48
Sand and gravel	12	60
Yellow sand rock	7	67
Clay	5	72
Hard rock	2	74
Soft cave	1	75
Hard rock	3	78
Soft sand	4	82
Hard rock	2	84
Sandy clay	7	91
Hard rock	1	92
Sandy clay	6	98
Red rock, sand	11	109
(Continued on next page)		

Table of drillers' logs, Scurry County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well 206 -- Continued</u>		
Hard rock	2	111
Clay	2	113
Rock, soft	1	114
Sand, water	7	121
Hard rock	4	125
Soft sand	9	134
Hard rock	2	136
Sand rock	4	140
Water sand	10	150
Rock, hard	7	157
Soft rock	5	162
Hard rock	4	166
Soft rock	2	168
Hard rock	4	172
Red clay	15	187

	Thickness (feet)	Depth (feet)
<u>Well 217 -- Continued</u>		
Soft sand, water	5	103
Red clay	18	121
Sand rock	4	125
Soft sand	2	127
Hard rock	7	134
Sand	6	140
Sand rock	10	150
Rock, shale	4	154
Soft sand	2	156
Hard rock	3	159
Cave	1	160
Hard rock	1	161
Cave	1	162
Hard rock	3	165
Yellow clay	14	179

<u>Well 216</u>		
City of Snyder, in Snyder.		
Chalk rock	15	15
Hard rock	2	17
Sandy clay	8	25
Rock	3	28
Sandy clay	3	31
Sand rock	10	41
Hard rock	4	45
Soft rock	10	55
Sand rock	4	59
Red clay	31	90
Sand	30	120
Chalk and sand	8	128
Clay	2	130
Rock, water	7	137
Red clay	27	164
Rock	11	175
Red clay	8	183

<u>Well 219, partial log</u>		
O. L. Burney, 12 ¹ miles southwest of Snyder.		
Soil	3	3
Clay	3	6
Gravel	14	20
Clay and gravel	10	30
Sand rock	30	60
Water sand	20	80
Blue shale	35	115
Water sand	10	125
Red beds	10	135
Red shale	5	140
Red beds	15	155
Water sand and lime shells	65	220
Brown shale	30	250
Blue shale	20	270
Sandy shale	60	330
Gray sandy shale	30	360
Brown shale	20	380
Blue shale	15	395
Brown shale	20	415
Sandy shale	45	460
Blue shale	12	472
Sandy lime	23	495
Brown shale	30	525
Red beds	25	550
Anhydrite	5	555
Anhydrite and red beds	65	620
Red shale and sand	35	655
Anhydrite	30	685
Anhydrite and salt	35	720
TOTAL DEPTH		2494

<u>Well 217</u>		
City of Snyder, in Snyder.		
Soft clay and sand	35	35
Sand rock, water	12	47
Blue clay	13	60
Hard rock	1	61
Red and blue clay	31	92
Hard rock	1	93
Sand, water	4	97
Hard rock	1	98

Table of drillers' logs, Scurry County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well 220, partial log</u>		
Emmitt Rascc, 12 miles southwest of Snyder.		
Sand	4	4
Red clay	11	15
Shale	35	50
Red beds	20	70
Water sand	30	100
Shale	35	135
Water sand	15	150
Red beds	45	195
Blue shale	45	240
Shale	5	245
Sand	30	275
Shale	45	320
Brown shale	40	360
Blue shale	30	390
Sand	10	400
Brown shale	15	415
Blue shale	10	425
Brown shale	10	435
Gray shale	20	455
Brown shale	35	490
Grusum	5	495
Lime	27	522
Red rock	28	550
Lime	23	573
Red rock	4	577
Lime	13	590
Red rock	3	593
Lime	12	605
Red rock	30	635
Anhydrite	10	645
TOTAL DEPTH		2409

	Thickness (feet)	Depth (feet)
<u>Well 221, partial log</u>		
F. W. Hardee, 13 $\frac{1}{2}$ miles south of Snyder.		
Spudded in	22	22
Sandy rock	23	45
Sandy shale	10	55
Water sand	10	65
Red beds	10	75
Water sand and shale	15	90
Red beds	10	100
Sandy rock	33	133
Blue shale	37	170
Red beds	5	175
Sandy shale	25	200
Blue shale	25	225

	Thickness (feet)	Depth (feet)
<u>Well 221, partial log -- Continued</u>		
Red beds	75	300
Blue shale	10	310
Sandy shale and red beds	65	375
Red beds	135	510
Red beds and rock	187	697
Red beds	118	815
TOTAL DEPTH		1725

<u>Well 222</u>		
Santa Fe R.R., in Snyder.		
Light clay	35	35
Cemented gravel	20	55
Yellow sandstone (water)	15	70
Stratified clay	10	80
Gray sandstone	28	108

<u>Well 223</u>		
Santa Fe R.R., in Snyder.		
Clay	35	35
Cemented gravel	25	60
Soft yellow sandstone	20	80

<u>Well 224</u>		
Santa Fe R.R., in Snyder.		
Soil	2	2
White dirt and clay	10	12
Red clay	50	62
Yellow clay	5	67
Sand rock (water)	8	75

<u>Well 317</u>		
Owner not recorded, 11 miles east of Snyder.		
Soil	3	3
Sand	47	50
Lime boulders (much drilling water lost)	20	70
Clay and gravel	20	90
Lime	30	120
(Continued on next page)		

Table of drillers' logs, Scurry County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well 317 -- Continued</u>		
Hard limestone	10	130
Blue shale	10	140
Sandstone	4	144
Quicksand	16	160
Sandstone	30	190
Red clay	14	204

<u>Well 319</u>		
Owner not recorded, 12 miles east of Snyder.		
Soil	3	3
Brown sand	57	60
Boulders and sandstone	35	95
Red clay	19	114
Red clay and shale	76	190
Blue shale	4	194

<u>Well 322</u>		
City of Rotan, 13 miles east of Snyder.		
Top soil	3	3
Sandstone	28	31
Shale and clay	3	34
Sandstone	5	39
Hard rock	7	46
Shale and clay	39	85
Sandstone	4	89
Gravel	3	92
Sandstone	24	116
Gravel - water	17	133

<u>Well 324</u>		
City of Rotan, 13 miles east of Snyder.		
Top soil	4	4
Sandstone	56	60
Clay and shale	35	95
Sandstone	48	143
Shale and clay	2	145
Gravel - water	15	160

	Thickness (feet)	Depth (feet)
<u>Well 325</u>		
City of Rotan, 13 miles east of Snyder.		
Brown sandstone	28	28
Shale	6	34
Sandstone	6	40

<u>Well 326</u>		
City of Rotan, 13 miles east of Snyder.		
Top soil	2	2
Sandstone	20	22
Hard rock	2	24
Sandstone	12	36
Hard rock	3	39
Sandstone	33	72
Clay and shale	100	172

<u>Well 327</u>		
-- Boone, 13 $\frac{1}{2}$ miles east of Snyder.		
Sand	15	15
Sandstone	10	25
Sand	15	40
Red beds	84	124

<u>Well 407</u>		
Owner not recorded, 9 $\frac{1}{2}$ miles east of Snyder.		
Soil	8	8
Sand and caliche	28	36
Hard limestone	6	42
Sandy clay and caliche	52	94
Hard gray limestone	20	114
Yellow sand and gravel	36	150
Hard sand	6	156
Packsand	24	180
Brown sandy clay	34	214
Blue sandy shale	86	300

Table of drillers' logs, Scurry County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well 412</u>		
Owner not recorded, 9 miles east of Snyder.		
Soil	4	4
Caliche	76	80
Red clay	24	104

	Thickness (feet)	Depth (feet)
<u>Well 413</u>		
Owner not recorded, 9 miles east of Snyder.		
Soil	6	6
Caliche	24	30
Sand	20	50
Sandstone	15	65
Sandy clay	47	112
No record	15	127
Yellow shale and clay	17	144
Sandy clay	22	166
Sandstone	8	174
Sand	26	200
Sandstone ledges	26	226
Sand and gravel	14	240
Sandy clay	24	264

	Thickness (feet)	Depth (feet)
<u>Well 416</u>		
-- Simpson, 13 $\frac{1}{2}$ miles east of Snyder.		
Soil	2	2
Brown sand	24	26
Packsand	4	30
Red clay	40	70
Water sand and gravel	25	95
Blue shale, red clay	59	154

	Thickness (feet)	Depth (feet)
<u>Well 418</u>		
Owner not recorded, 11 $\frac{1}{2}$ miles east of Snyder.		
Shale	15	15
Sandy lime	55	70
Rock	20	90
Shale	10	100

	Thickness (feet)	Depth (feet)
<u>Well 419</u>		
Owner not recorded, 9 $\frac{1}{2}$ miles east of Snyder.		
Soil	5	5
Red sand	15	20
Brown clay	24	44
Lime boulders	30	74
Drilling water lost	6	80
Red sand	14	94
Drilling water lost	26	120
Finished hole without water.		

	Thickness (feet)	Depth (feet)
<u>Well 420</u>		
Owner not recorded, 9 $\frac{1}{2}$ miles east of Snyder.		
Soil	4	4
Caliche	31	35
Clay and gravel	55	90
Sand	46	136
Yellow shale and clay	9	144
Yellow shale	23	167
Blue shale	37	204

	Thickness (feet)	Depth (feet)
<u>Well 421</u>		
Owner not recorded, 10 $\frac{1}{2}$ miles east of Snyder.		
Soil	1	1
Caliche	19	20
Sand and clay	80	100
Sand and gravel	12	112
Yellow shale and clay	16	128
Brown sand and gravel	37	165
Sandstone	25	190
Red clay	14	204

	Thickness (feet)	Depth (feet)
<u>Well 422</u>		
J. T. Minor, 11 $\frac{1}{2}$ miles east of Snyder.		
Soil	4	4
Sand	46	50
Red beds	54	104
Packsand	46	150

(Continued on next page)

Table of drillers' logs, Scurry County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well 422 -- Continued</u>		
Sand	10	160
Shale	5	165
No record	20	185
Red beds	15	200

<u>Well 424</u>		
Owner not recorded, 13 miles east of Snyder.		
Shale	80	80
Blue and red shale	40	120

<u>Well 425</u>		
Roy Strayhorn, 1 $\frac{1}{4}$ miles southeast of Snyder.		
Surface	15	15
Mixed sandy clay	14	29
Light sand rock, water	1	30
Sand and gravel	6	36
Light sand rock	14	50
Yellow sand rock	7	57
Yellow sandy clay	6	63
Gravel, sand rock	20	83
Yellow sand rock	19	102
White sand	27	129
Yellow sand	7	136
Light sand rock, soft water	44	180
Sand rock	7	187
Red clay	11	198
Brown clay	10	208
Light shale	18	226
Red clay	6	232
Brown shale	22	254
White lime	2	256
Gray sand, water	12	268
Red beds	114	382
Gray sand, water	12	394
Red beds	6	400
Red shale	96	496
Red sandy shale	4	500
Red rock	21	521
Sandy lime	5	526
Black shale	2	528
Red beds	7	535
Red sand rock	6	541
Chalk lime, salt water	20	561
TOTAL DEPTH		888

	Thickness (feet)	Depth (feet)
<u>Well 426</u>		
Santa Fe R.R., 11 miles southeast of Snyder.		
Top soil	4	4
Yellow clay	10	14
White sandstone	4	18
Red clay	8	26
Very hard rock	11	37
Gray sand	14	51
Blue clay	12	63
Red sand	13	76
Red clay	8	84
Yellow clay	8	92
Blue sand	10	102
Gray sandstone	14	116
Bright red sand	5	121
Very hard yellow sandstone	11	132
Red sandstone	12	144
Gray sandstone	5	149
Red clay	10	159
Blue sandstone	7	166
Yellow clay	8	174
Gray shale	9	183
Blue sandstone	6	189
Dark brown clay	11	200
Dark red clay (showing of water at 205 feet)	10	210
Yellow shale	16	226
Blue shale	6	232
Bright blue shale and sand (water)	3	235
Very dark red clay - shale formation	13	248

<u>Well 427</u>		
Santa Fe R.R., 17 $\frac{1}{2}$ miles southeast of Snyder.		
Clay	60	60
White sandstone (water)	68	128
Red clay	209	337

<u>Well 428</u>		
Santa Fe R.R., 17 $\frac{1}{2}$ miles southeast of Snyder.		
Light clay	35	35
Red clay	29	64
White sandstone	71	135

(Continued on next page)

Table of drillers' logs, Scurry County -- Continued

	Thickness (feet)	Depth (feet)
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Well 428 -- Continued

Yellow clay	10	145
Red clay	8	153

Well 429

Santa Fe R.R., 17 $\frac{1}{2}$ miles southeast of Snyder.

Light clay	30	30
Red clay	29	59
White sandstone	81	140
Red clay	12	152

Well 430

Santa Fe R.R., 17 $\frac{1}{2}$ miles southeast of Snyder.

Top soil	2	2
Gray sand	5	7
Blue clay	5	12
Red clay	15	27
Sandstone	25	52
Pink clay	5	57
Gray sand rock	40	97
Gray limestone	5	102
Brown sandstone	44	146
Blue clay	6	152

	Thickness (feet)	Depth (feet)
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Well 431

Santa Fe R.R., 17 $\frac{1}{2}$ miles southeast of Snyder.

Waste bank	4	4
Soil	6	10
White sand	2	12
Yellow clay	14	26
Yellow sandy clay	13	39
Yellow clay and gravel	3	42
Red clay	19	61
Limestone	8	66
Brown sandstone	21	87
Water sand	4	91
Packsand	2	93
Blue shale	3	96
Mixed clay	6	102
Sand	5	107
Hard sandstone	2	109
Limestone	2	111
Blue clay	4	115
Brown sandstone	6	121
Sand	4	125
Sandstone	14	139
Yellow clay	5	144
Limestone	3	147
Red clay	4	151

Partial analyses of water from wells in Scurry County, Texas

Analyzed at The University of Texas under the direction of W. W. Hastings, Chemist, U. S. Department of the Interior, Geological Survey, and Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry. Results are in parts per million. Well numbers correspond to numbers in table of well records.

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.)
1	Hal McClinton	75	May 20, 1946	-	132	21	61	271	53	170	-	40	416
2	Guy Stoker	58	do.	391	84	13	25	296	18	37	-	5	263
3	H. C. Price	115	do.	348	60	23	12	272	7	26	-	3.2	244
4	Nolan Von Roeder	127	do.	292	54	18	15	265	9	9	-	3.2	209
5	Guy Stoker	30	do.	-	-	-	-	142	22	58	-	6	202
101	C. M. Lyons	150	May 21, 1946	-	-	-	-	184	11	18	-	2.5	264
102	Dr. C. R. Cockrell	120	do.	-	-	-	-	306	16	10	-	4	225
103	S. W. Treavey	86	do.	-	-	-	-	322	11	10	-	3.5	270
104	E. M. Armstrong	170	May 22, 1946	-	-	-	-	274	36	80	-	1.5	285
108	L. E. Howe	160	Nov. 5, 1937	-	78	82	54	448	201	52	-	0.25	531
201	Nolan Von Roeder	100	May 20, 1946	499	76	23	29	201	52	87	-	8.4	284
202	John Jacobs	70	do.	982	168	24	64	259	67	122	-	252	518
203	S. S. Austin	116	do.	-	-	-	-	243	11	18	-	7	232
204	C. M. Payne	92	do.	-	-	-	-	253	11	16	-	11	210
205	J. A. Clark	67	do.	549	92	24	41	275	58	88	-	9	328
206	City of Snyder	187	May 22, 1946	-	-	-	-	277	60	60	-	4.7	210
207	J. A. Fowler	90	May 27, 1946	-	-	-	-	277	240	160	-	5.3	532
208	C. J. Merritt	91	do.	-	-	-	-	286	45	50	-	5.5	-
209	L. A. Hill	96	do.	-	-	-	-	308	70	93	-	28	-
210	J. E. Woodson	50	do.	-	-	-	-	281	240	505	-	40	742
211	J. T. Biggs	160	May 23, 1946	-	-	-	-	287	60	116	-	20	330
212	Lester Moore	200	do.	-	-	-	-	240	110	232	-	28	495
213	H. G. Moore	225	do.	366	51	22	53	286	42	39	-	0.3	218
214	Dewey Moore	188	do.	-	-	-	-	306	40	50	-	1.5	202
215	J. W. Key	122	May 22, 1946	-	-	-	-	310	230	206	-	43	405
216	City of Snyder	160	do.	364	54	22	44	304	24	30	-	6.4	226
217	do.	165	do.	378	52	24	44	291	24	38	-	10	228
218	A. C. Prewitt	110	May 23, 1946	-	-	-	-	436	320	112	-	5.5	622
301	Stiles Treavey	98	May 21, 1946	-	-	-	-	316	8	12	-	8.0	270
302	F. H. Patterson	100	do.	588	92	40	11	180	36	146	-	34	394
303	Buford Light	169	May 22, 1946	-	-	-	-	294	20	14	-	0.8	158

Partial analyses of water from wells in Scurry County -- Continued
(Results are in parts per million)

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.)
304	Bill F. Brooks	176	May 22, 1946	288	30	13	44	208	26	18	-	0.5	128
305	F. Brownfield	230	May 27, 1946	-	-	-	-	317	34	8.0	-	0	-
306	R. N. Sterling	156	May 22, 1946	322	48	17	41	310	14	8.0	-	0	190
307	J. M. Bailey	136	May 21, 1946	-	-	-	-	320	26	28	-	5.0	255
308	A. M. Cleghorn	100	May 28, 1946	-	-	-	-	287	15	7.0	-	3.5	165
309	Joe Wolf	76	do.	-	-	-	-	257	22	30	-	10	-
310	Santa Fe R.R.	163	do.	-	-	-	-	209	22	27	-	8.4	-
311	City of Snyder	205	May 22, 1946	354	33	17	56	273	17	20	-	7.0	152
312	G. M. Rogers	87	May 27, 1946	-	-	-	-	325	45	59	-	13	-
313	J. M. Rossom	149	do.	-	-	-	-	316	22	12	-	2.8	240
314	do.	164	do.	-	-	-	-	283	23	34	-	0.8	210
315	A. J. O'Neal	224	do.	-	-	-	-	285	26	15	-	2.8	-
316	Ross Williams	189	do.	-	-	-	-	270	24	25	-	3.2	-
322	City of Rotan	133	Sept. 15, 1937	-	47	27	31	274	24	30	1.2	1.0	228
323	do.	97	do.	-	52	32	30	298	39	26	1.8	0.25	261
328	W. B. Willingham	75	Dec. 2, 1943	-	39	35	102	347	93	57	-	0	242
329	Grady Williams	41	do.	-	69	17	31	275	29	32	-	12	242
330	--	Spring	Dec. 20, 1943	-	63	21	16	253	29	25	-	6.9	244
331	J. F. Maule	97	May 23, 1946	-	-	-	-	332	13	16	-	15	262
332	C. N. Von Roeder	97	May 24, 1946	-	-	-	-	248	30	120	-	8.0	330
333	W. M. Hendricks	88	do.	-	-	-	-	310	60	130	-	8.0	398
334	Jim Wilson	96	do.	-	-	-	-	306	16	35	-	4.5	308
335	Clarence E. Moore	94	May 27, 1946	-	-	-	-	266	60	108	-	9.8	330
336	I. F. Smith	85	May 23, 1946	509	90	33	27	365	16	63	-	18	360
337	S. F. Keller	75	May 25, 1946	-	-	-	-	357	50	40	-	49	330
338	J. E. Patrick	103	May 24, 1946	629	60	31	119	368	85	84	-	35	277
339	Worley Early	145	do.	379	60	28	31	347	15	21	-	2.0	264
340	W. H. Merritt	78	May 25, 1946	-	-	-	-	284	16	22	-	3.0	218
341	R. E. Joyce	150	Dec. 2, 1943	-	87	29	39	261	146	36	-	4.5	336
342	A. P. Gannaway	160	Dec. 20, 1943	-	57	19	38	279	34	27	-	0.2	220
343	A. A. McMillan	225	June 28, 1946	-	-	-	-	294	24	13	-	-	180
344	W. B. Werner	110	June 21, 1946	646	86	34	27	258	44	103	-	14	354
345	Paul Moore	72	May 24, 1946	-	-	-	-	164	120	210	-	12	480
346	J. R. Williamson	140	do.	-	-	-	-	299	22	34	-	2.0	195

Partial analyses of water from wells in Scurry County -- Continued
(Results are in parts per million)

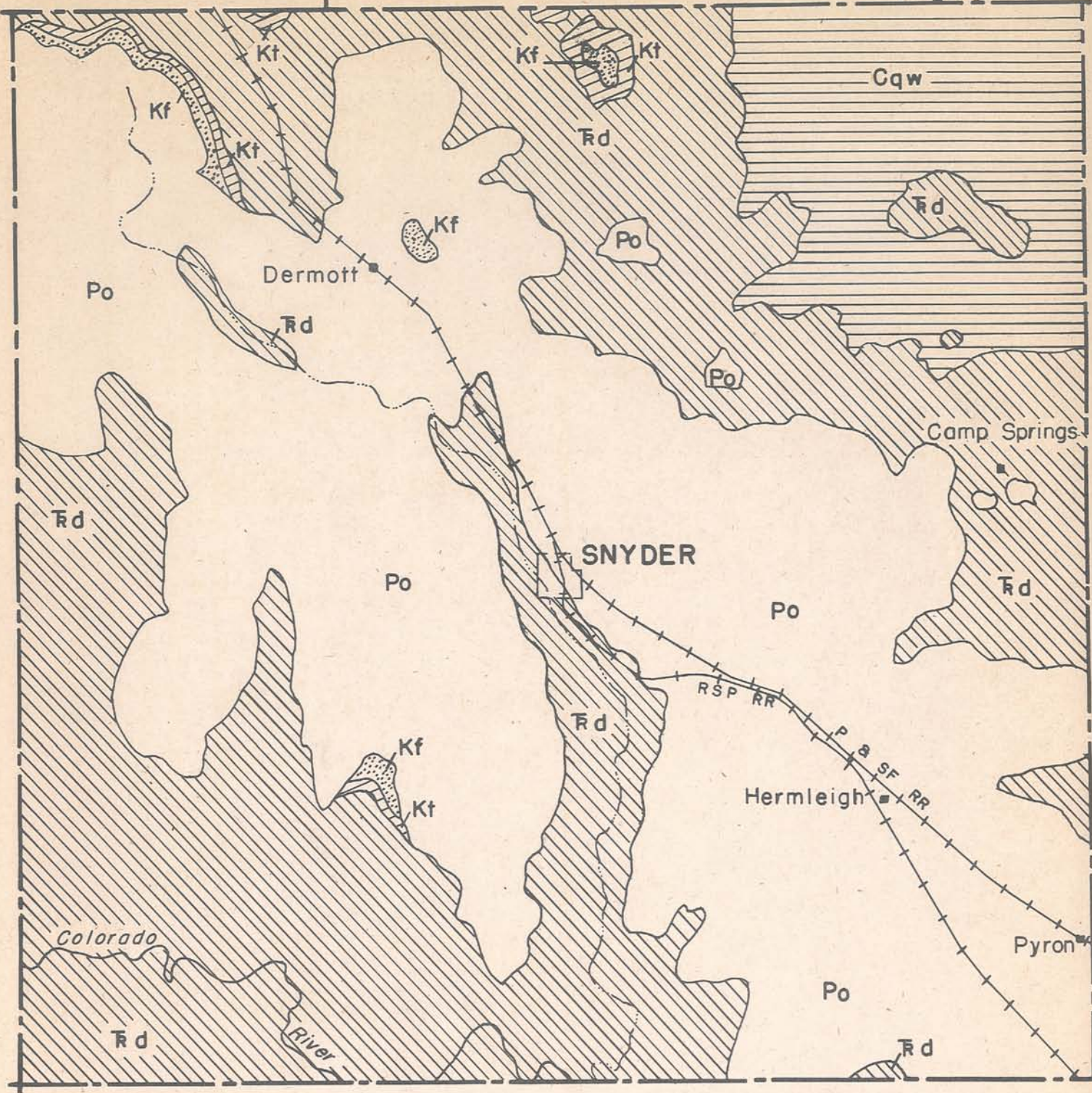
Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.)
347	B. J. Tucker	100	May 24, 1946	-	-	-	-	230	26	20	-	2.0	180
348	C. S. Stewart	72	do.	-	-	-	-	170	320	308	-	235	450
349	J. A. Merritt	72	do.	-	-	-	-	406	60	32	-	0.5	150
351	Mrs. Blanche C. Daugherty	120	June 22, 1946	464	64	25	49	296	30	62	-	10	262
352	Annie Goebel	176	June 28, 1946	-	-	-	-	262	55	22	-	-	255
353	Jacob Brom	156	June 27, 1946	-	-	-	-	308	100	33	-	2.0	285
354	D. E. Watson	200	do.	-	-	-	-	322	25	8.0	-	5.0	210
356	J. J. Henry	309	do.	-	-	-	-	264	607	62	-	-	158
358	C. B. Gleastine	175	do.	-	-	-	-	272	105	30	-	-	292
359	W. M. Sturdicent	180	do.	-	-	-	-	322	60	22	-	-	292
360	Ben Thompson	104	June 22, 1946	341	42	22	10	138	26	54	-	2.5	196
362	Ed Fenton	117	June 24, 1946	-	-	-	-	258	160	250	-	16	375
363	Joe Earnest	111	June 22, 1946	483	44	26	49	315	28	25	-	0.8	217
364	J. L. Burleson	167	June 27, 1946	-	-	-	-	228	250	21	-	1.0	382
*365	City of Hermleigh	-	June 20, 1946	626	84	21	98	274	222	32	1.8	0.5	296
368	J. J. Henry	134	June 27, 1946	-	-	-	-	340	50	34	-	3.5	360
370	W. A. Cross	156	June 26, 1946	-	-	-	-	246	180	180	-	20	405
371	Mrs. J. M. Memken	175	do.	-	-	-	-	256	1,000	84	-	0	727
373	Carl Gray	116	June 21, 1946	559	50	37	62	111	226	60	-	0	277
374	A. P. Smith	93	June 24, 1946	-	-	-	-	290	44	44	-	2.5	210
375	H. M. Blackard	90	do.	-	-	-	-	262	120	34	-	0.5	222
376	A. R. McFarland	74	do.	-	-	-	-	146	3	10	-	3	150
378	H. O. Norwood	100	June 21, 1946	1,050	104	82	90	239	447	92	-	0.8	596
379	Shell Pipeline Corp.	196	June 29, 1946	-	-	-	-	212	230	32	-	0.5	278
380	Mrs. Mabel Kemp	162	June 27, 1946	-	-	-	-	372	398	118	-	0.0	442
381	J. E. Walton	160	June 26, 1946	-	-	-	-	258	85	46	-	2.5	174
382	A. J. Collier	120	June 27, 1946	-	-	-	-	272	70	30	-	6.5	172
384	V. H. Freytag	110	June 26, 1946	-	-	-	-	354	46	30	-	3.5	267
386	A. J. Kuss	136	do.	-	-	-	-	282	140	43	-	0	327
387	S. O. Casey	111	do.	-	-	-	-	180	250	65	-	0.5	264

* Composite sample of wells 365, 366, and 367.

Partial analyses of water from wells in Scurry County -- Continued
 (Results are in parts per million)

Well	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids	Calcium	Magnesium	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Fluoride (F)	Nitrate (NO ₃)	Total hardness as CaCO ₃ (calc.) ³
389	H. M. Murphy	68	June 21, 1946	876	152	30	48	128	138	228	-	47	503
390	Clarence Merritt	89	do.	781	78	27	115	197	197	119	-	25	306
391	Frank Kuss	148	June 26, 1946	-	-	-	-	298	60	42	-	-	210
393	Emil Schattel	105	June 25, 1946	-	-	-	-	266	60	60	-	7.0	216
394	G. O. May	125	do.	-	-	-	-	322	130	142	-	22	345
396	A. A. Allen	100	do.	-	-	-	-	406	90	52	-	0.8	210
397	W. F. Glass	109	do.	-	-	-	-	322	46	112	-	29	240
398	A. E. Lee	60	June 5, 1946	-	-	-	-	316	250	323	-	17	682
400	W. M. Roundtree	100	June 26, 1946	-	-	-	-	354	32	28	-	12	255
402	C. H. Stahl	53	June 25, 1946	-	-	-	-	342	1,000	448	-	0.5	645
403	Mrs. M. P. Ebie	94	do.	-	-	-	-	362	460	232	-	7.5	342
404	R. F. Leard	120	June 26, 1946	-	-	-	-	244	130	234	-	21	548
406	China Grove Gin Co.	55	June 21, 1946	856	68	21	189	252	121	89	-	260	256
415	M. W. Bavousett	77	Nov. 4, 1937	295	81	16	** 11	557	20	34	-	-	270

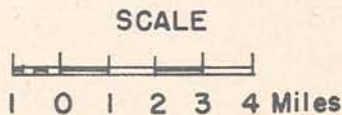
** Sodium only.

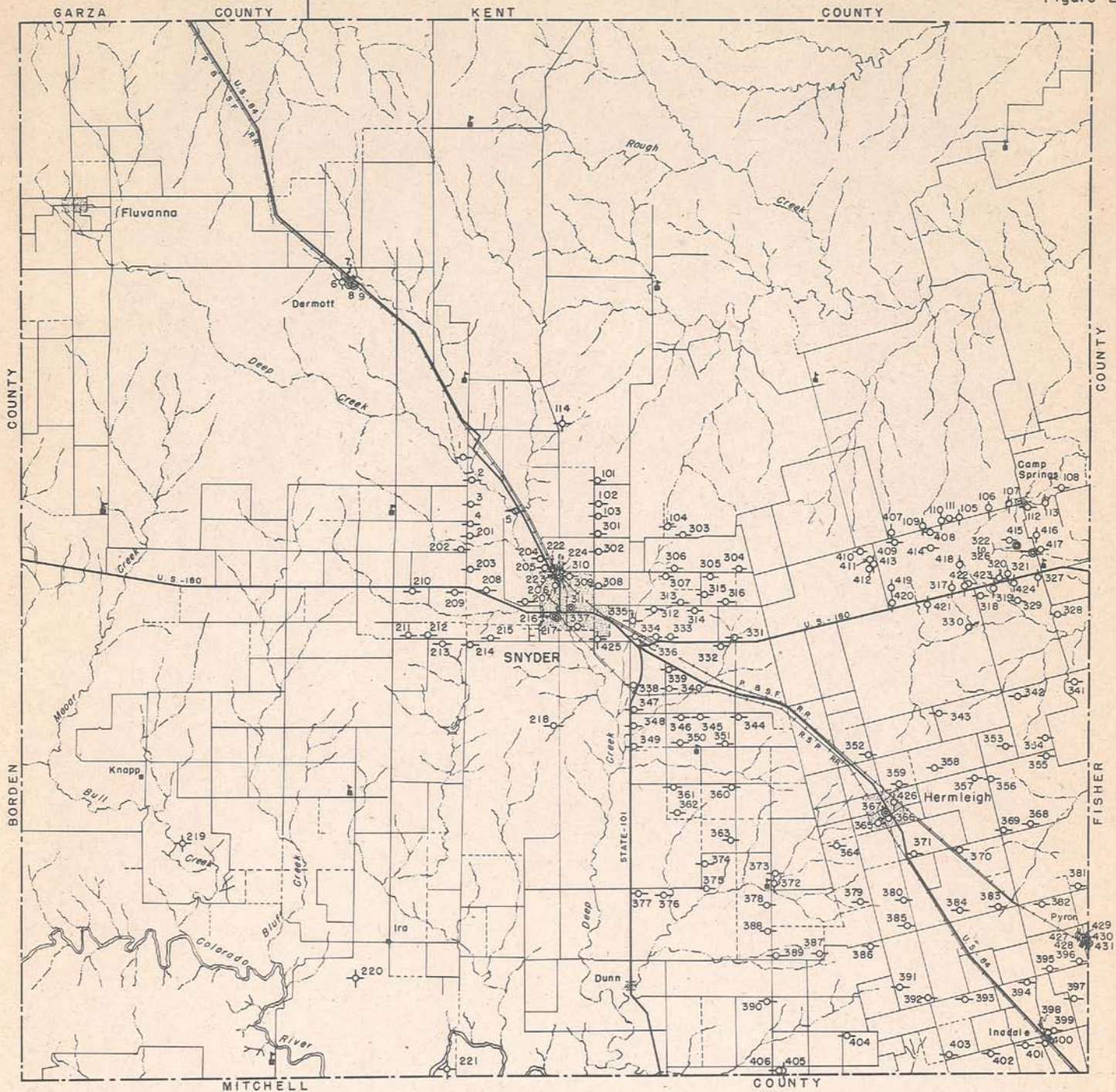


EXPLANATION

- Po Ogallala formation
- Kf Frederickburg group
- Kt Trinity group
- Rd Dockum group
- Cqw Quartermaster formation-Whitehorse sandstone

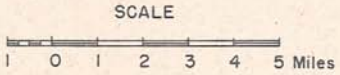
GEOLOGIC MAP OF SCURRY COUNTY, TEXAS





- EXPLANATION
- WELL WITH WINDMILL OR SMALL POWER PUMP
 - ⊙ WELL WITH PUMPING PLANT - 5 HORSEPOWER OR LARGER
 - UNUSED WELL
 - TEST WELL FOR OIL OR GAS
 - SPRING
 - ▣ SCHOOL
 - U.S. OR TEXAS HIGHWAY
 - - - COUNTY ROAD

MAP OF SCURRY COUNTY, TEXAS
SHOWING WATER WELLS



BASE COMPILED FROM
GENERAL HIGHWAY MAP
AND FIELD NOTES

TEXAS BOARD OF WATER ENGINEERS
IN COOPERATION WITH THE
U.S. GEOLOGICAL SURVEY

