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BRISCOE COUNTY, TEXAS

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

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

September 1946

RECORDS OF WELLS IN BRISCOE COUNTY, TEXAS

By

John H. Dante

September 1946

This report, giving the results of water-well surveys in parts of Briscoe County, Texas, contains records of 180 wells and springs, drillers' logs of 13 wells and chemical analyses of water from 23 wells and springs. It also includes a map showing the location of all recorded wells and springs, each well or spring being given a number on the map corresponding to the number assigned to it in the records. The report was prepared in cooperation between the Texas State Board of Water Engineers and the United States Department of the Interior, Geological Survey.

A large part of the records were obtained by M. F. Miller, U. S. Department of Agriculture, Soil Conservation Service. A part were obtained, and many of the earlier records brought up-to-date by the writer during August and September 1946.

Included in the table of well records is the following information: well number, location and depth of well, names of owner and driller, length and size of casing, depth to the water level on given dates, method of lift and use of water. In the "remarks" column the items of information include the depth of pump setting, yield of pump in gallons a minute, drawdown in feet during pumping, number of acres irrigated from the well, and depth to "red beds".

The water analyses were made under the supervision of E. W. Lohr, or W. W. Hastings, District Chemists of the Quality of Water Division of the United States Geological Survey, and Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry of the University of Texas. The results of the analyses relate only to the mineral constit uents in the water and not to its sanitary content.

Grateful acknowledgment is due to the owners of the wells and pumping plants in Briscoe County who have given their cooperation in the collection of these data. Also to the Soil Conservation Service, the well drillers and representatives of pump companies who contributed freely of their information.

A limited number of copies of this report are available for free distribution. They may be obtained by addressing a request to Mr. C. S. Clark, Chairman, Texas State Board of Water Engineers, 302 West 15th. Street, Austin 14, Texas.

Records of wells and springs in Briscoe County, Texas
All wells are drilled unless noted in the remarks column.

Well	Distance from Silverton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
1	18½ miles northwest	W. C. Hulsey Est.	--	--	Spring	--	--
2	do.	do.	--	--	Spring	--	--
3	18 miles northwest	do.	--	--	Spring	--	--
4	18½ miles northwest	C. Adair Est.	--	--	Spring	--	--
5	18 miles northwest	W. C. Hulsey Est.	--	--	Spring	--	--
6	17½ miles northwest	do.	--	--	Spring	--	--
7	do.	do.	--	--	212	5	--
8	17 miles northwest	do.	--	--	Spring	--	--
9	16 miles northwest	Dolly Morris and V. Lee Matney	J. F. Davis	1938	270	21	--
10	do.	do.	-- Sears	1917	260	6	--
11	do.	Dick Todd	--	Old	120	6	--
12	15½ miles northwest	Dolly Morris and V. Lee Matney	Ed. Davis	1941	170±	6	--
13	14½ miles northwest	do.	J. F. Davis	--	155	24	--
14	do.	do.	do.	--	170	8	--
15	14½ miles north	C. Adair Est.	Humble Oil and Refinery Co.	1932	4010	15¼ 12½	--
16	14½ miles northwest	W. J. Heim	-- Derrs	--	146	6	0.2
17	13½ miles northwest	-- May	--	--	126±	6	0.8
18	do.	Grady Goodpasture	-- Fish	1946	215	16	1.2
19	11½ miles northwest	Frank Cobb	J. F. Davis	1945	111	8	0.5
20	do.	do	--	--	Spring	--	--
21	12 miles northwest	J. C. Anderson	C. S. Rice	--	1630	16	--
22	11½ miles northwest	S. M. Rogers	--	Old	70	6	0

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

b/ Method of lift: T, turbine; C, cylinder; E, electric; G, gasoline, natural gas, butane or oil engine; W, windmill. Number indicates horsepower.

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

Well	WATER LEVEL: Below land surface (ft.)	WATER LEVEL: Date of measurement	Method of lift b/	Use of water c/	Remarks
1	--	--	Flows	S	In north canyon at head of Deer Creek. Estimated flow 75 gallons a minute
2	--	--	Flows	S	In southwest canyon at head of Deer Creek. Estimated flow 100 gallons a minute from many seeps.
3	--	--	Flows	S	In south canyon at head of Deer Creek. Estimated flow 80 gallons a minute
4	--	--	Flows	N	On fork of Deer Creek. Reported flow 50 gallons a minute. Disappears in sand a short distance from it's source.
5	--	--	Flows	S	On Turkey Creek. Reported flow 200 gallons a minute from many seeps.
6	--	--	Flows	S	On a branch of Turkey Creek. Reported flow 200 gallons a minute from many seeps.
7	d/173	--	C,W	D,S	Cased to 193 feet. About ¼ mile west of edge of cap rock.
8	--	--	Flows	S	In canyon near head of Cedar Creek. Reported yield 250 gallons a minute
9	d/235	--	C,W	S	No casing. Pump set 260 feet northwest of twin mills about 0.3 mile west of edge of cap rock.
10	d/235	--	C,W	S	No casing. Pump set 260 feet southeast of twin mills about 0.3 mile west of edge of cap rock.
11	d/100	--	C,W	D,S	
12	d/130	--	C,W	D,S	About 15 feet northwest of well is well drilled in 1894 to depth of 375 feet, now abandoned.
13	d/130	--	C,W	S	About 0.6 mile west of edge of cap rock.
14	d/130	--	C,W	S	
15	--	--	--	--	Oil test. See log.
16	124.7	Sept. 4, 1946	C,W	D,S	
17	96.0	Sept. 9, 1946	C,W	D	
18	95.7	do.	T,G, 184	Irr	Reported yield 200 gallons a minute.
19	98.0	Sept.10, 1946	C,W	S	About ½ mile west of canyon rim.
20	--	--	Flows	S	Reported yield 10 gallons a minute from many seeps.
21	--	--	--	--	Oil test. See log.
22	45.	Sept. 4, 1946	C,W	D	

c/ Irr, irrigation; P, public supply; D, domestic; S, stock, N, not used.
d/ Water level reported by driller or owner.

Records of wells and springs in Briscoe County--Continued

Well	Distance from Silverton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
23	6 miles northwest	Wright B. May	J. F. Davis	1933	110	8	2.0
24	do.	C. M. Flowers	--	--	Spring	--	--
25	do.	do.	--	--	Spring	--	--
26	9½ miles northwest	Ashel Cross	Jim Watson	1906	83	8	0.5
27	9½ miles west	True Burson	--	1940	155	21	0.5
28	6½ miles west	G. B. Mayfield	Ed Davis	1946	216	21	1.0
29	5 miles west	Earl Simpson	J. F. Davis	1946	200	9	--
30	4¾ miles west	do.	do.	1946	186	21	1.0
31	7½ miles northwest	G. R. Mayfield	--	--	Spring	--	--
32	8 miles northwest	C. M. Flowers	--	--	Spring	--	--
33	do.	do.	Frank Hunt	1945	250	8	--
34	8½ miles northwest	do.	--	--	Spring	--	--
35	3¾ miles northwest	Orvil Turner	--	Old	170-180	8	--
36	6¼ miles north	Roy McMurtrie	--	1906	137	5	--
37	7 miles northwest	do.	--	--	Spring	--	--
38	7½ miles north	do.	J. F. Davis	1942	250	8	--
39	6 miles north	do.	--	--	Spring	--	--
40	5¼ miles northeast	R. M. Haverty	--	--	Spring	--	--
41	6 miles northeast	Herbert R. Brown	--	--	Spring	--	--
42	5½ miles northeast	do.	Frank Hunt	1916	175	8	--
43	4¾ miles northeast	do.	--	Old	165±	8	1.0
44	4 miles north	Lee D. Bomar	J. F. Davis	1935	232	9	--

Well	WATER LEVEL: Below land surface (ft.)	WATER LEVEL: Date of measurement	Method of lift b/	Use of water c/	Remarks
23	84.8	Sept. 10, 1946	C,W	D,S	Reported to have reached "red bed".
24	--	--	Flows	S	On slope of draw. Estimated yield 3-6 gallons a minute from many seeps.
25	--	--	Flows	S	At head of draw. Estimated yield 3 to 10 gallons a minute from many seeps.
26	36.6	Sept. 2, 1946	C,W	D,S	About 100 feet west and north of draw.
27	70.5	Aug. 27, 1946	None	N	Reported yield 200 gallons a minute, considered insufficient for irrigation.
28	103.6	Sept. 11, 1946	None	N	Reported yield 100 gallons a minute, considered insufficient for irrigation. "Red beds" at 194 feet.
29	d/135	--	None	N	Abandoned and plowed over. "Red beds" at 200 feet.
30	114.5	Sept. 2, 1946	None	N	Insufficient water for irrigation. "Red beds" at 165 feet.
31	--	--	Flows	S	In bottom of canyon. Estimated yield 200 gallons a minute from many seeps.
32	--	--	Flows	S	In breaks of Tule Canyon, near narrows. Reported yield 150 gallons a minute from many seeps.
33	d/140	--	C,W	S	In breaks of Tule Canyon.
34	--	--	Flows	S	Seeps supplying pool at foot of lower falls of Tule Creek. Reported yield 10 to 20 gallons a minute.
35	d/170	--	C,W	D,S	
36	d/123	--	C,W	S	Casing: 80 feet of 5-inch, from 57 to 137 feet. "Red beds" at 117 feet.
37	--	--	Flows	S	In Ross Canyon. Reported yield 3 to 4 gallons a minute from many seeps.
38	d/215	--	C,W	S	About 0.15 mile west of Coon Creek Canyon. "Red beds" at 200 feet.
39	--	--	Flows	S	On Coon Creek. Used for stock in winter. Reported yield about 10 gallons a minute.
40	--	--	Flows	N	Near head of Coon Creek. Reported yield 1 to 10 gallons a minute.
41	--	--	Flows	N	In Coon Creek Canyon. Reported yield 1 to 5 gallons a minute.
42	d/155	--	C,W	S	"Red beds" at 170 feet.
43	159.9	Sept. 16, 1946	C,W	D,S	
44	d/180	--	None	N	Drilled as test hole. Reported yield 7 gallons a minute. "Red beds" at 232 feet.

Records of wells and springs in Briscoe County--Continued

Well	Distance from Silverton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
45	2½ miles northeast	Mill McCracken	J. F. Davis	1945	200	9	--
46	2½ miles northeast	M. J. O'Neal	--	1901	140	6	0.5
47	6½ miles northeast	Dewey Beavers	Dave Lufboro	1931	300-400	6	2.0
48	8 miles northeast	C. Adair Est.	--	--	Spring	--	--
49	5½ miles northeast	J. H. Burson Est.	--	1912	170	6	2.0
50	6 miles east	do.	Frank Hunt	1946	185	6	--
51	7 miles east	do.	--	1905	180	6	
52	8½ miles east	Guy McWilliams	--	Old	210	6	--
53	11½ miles east	Tina E. Schott	--	--	Spring	--	--
101	9½ miles west	D. R. Blackerby	--	1937	165	21	--
102	8 miles west	W. H. Fitzgerald	J. F. Davis	1946	158	21	1.0
103	6½ miles west	-- Redmond	do.	1940	191	16	0.8
104	5 miles southwest	W. J. Mercer	Francis and Davis	1937	250	21	--
105	6½ miles southwest	M. A. Graham	--	--	200	21	-
106	do.	do.	J. F. Davis	1946	198	21	1
107	do.	do.	do.	1939	200	21	1
108	6½ miles west	do.	do.	1930	200	21	--
109	7 miles west	do.	do.	1946	170	9	0
110	8 miles west	Guy E. Orr	do.	1946	183	21	--

Well	WATER LEVEL: Below land surface (ft.)	WATER LEVEL: Date of measurement	Method of lift b/	Use of water	Remarks
45	d/135	--	C,W	D,S	Drilled as test hole. Reported yield 20 gallons a minute. "Red beds" at 200 feet.
46	135.5	Sept.16, 1946	C,W	D,S	Irrigates garden, ¼ acre.
47	198	do.	C,W	D,S	Cased to bottom.
48	--	--	Flows	S	Dug out to form a basin. Used for stock in winter. Reported yield 10 gallons a minute.
49	138.4	Sept.16, 1946	C,W	D,S	Cased for 10 feet.
50	d/160	--	C,W	S	
51	d/155	--	C,W	D,S	Pump set at 175 feet.
52	d/195	--	C,W	D,S	Pump set at 200 feet.
53	--	--	Flows	S	Reported yield 1 to 5 gallons a minute.
101	d/65	--	T,G	Irr	Reported yield 700 gallons a minute.
102	58.8	Aug. 30, 1946	None	N	Pump not yet set when visited. "Red beds" at 157 feet.
103	90.3	Aug. 27, 1946	None	N	Insufficient water for irrigation reported.
104	d/85	--	None	N	Reported yield 300 gallons a minute, considered insufficient for irrigation. "Red beds" at 200 feet.
105	78.2	Aug. 31, 1946	None	N	Test hole. Reported yield 400 gallons a minute, considered insufficient for irrigation. "Red beds" at 200 feet.
106	79.3	Aug. 31, 1946	None	N	Measured yield 400 gallons a minute with drawdown to bottom of well. Insufficient for irrigation. "Red beds" at 198 feet.
107	85.9 87.9	Mar. 16, 1946 Aug. 31, 1946	None	N	Reported drawdown 37 feet after pumping 450 gallons a minute for 7 hours in 1946. Considered insufficient for irrigation. "Red beds" at 200 feet.
108	--	--	None	N	Reported yield 250 to 400 gallons a minute, considered insufficient for irrigation. Hole filled in.
109	68.1	Aug. 31, 1946	None	N	Test hole. Reported yield 250 to 400 gallons a minute, considered insufficient for irrigation. "Red beds" at 150 feet.
110	--	--	T,G, 95	Irr	Three stage pump set at 130 feet. Reported yield 800 gallons a minute.

Records of wells and springs in Briscoe County--Continued

Well	Distance from Silverton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
111	8 miles west	R. N. McDaniels, Sr.	J. F. Davis	1937	181	21	1.5
112	8½ miles west	J. L. West	do.	1937	176	21	4.0
113	do.	Milton G. Martin	Hollie F. Francis	1946	190	21	0.5
114	9½ miles southwest	--Diller	Leo Koger	1945	200	21	1
115	10 miles southwest	Orlin Stark	J. F. Davis	1946	175	18	1
116	9 miles southwest	V. A. Readhimer	Leo Koger	1944	172	14	0.6
117	9½ miles southwest	Irene Ayres	--	1939	180	16	1.0
118	9 miles southwest	Alvin Redin	J. F. Davis	1945	195	21	1
119	8½ miles southwest	Tom Whiteley	do.	1946	202	21	2
120	do.	C. L. Wilson	Green Machinery Co.	1940	300±	21	--
121	8 miles southwest	M. A. Graham	J. F. Davis	1946	200	21	1
122	do.	Sam D. Massie	Hollie F. Francis	1946	190	21	1
123	7½ miles southwest	L. A. Matthews	J. F. Davis	1938	180	21	1
124	8 miles southwest	J. E. O'Neal	J. E. O'Neal	1945	198	21	1
125	7½ miles southwest	A. C. Mercer	J. F. Davis	1944	220-225	21	--
126	7 miles southwest	do.	Green Machinery Co.	1938	225	21	0.8
127	do.	do.	J. F. Davis	1939	225	21	1

Well	WATER LEVEL: Below land surface (ft.)	WATER LEVEL: Date of measurement	Method of lift b/	Use of water c/	Remarks
111	80. 77.8 79.3	June 19, 1946 July 1, 1946 Aug. 30, 1946	T,G, 95	Irr	Reported drawdown 22 feet when pumping 800 gallons a minute.
112	80.4	Aug. 30, 1946	T.G, 125	Irr	Estimated yield 800 gallons a minute.
113	66.2 68.4	May 15, 1946 Aug. 30, 1946	T,G, 125	Irr	Pump set at 180 feet. Irrigated 80 acres of wheat and row crops in 1946. Reported yield 750 gallons a minute. "Red beds" at 190 feet.
114	72.2	Aug. 30, 1946	--	N	Insufficient water for irrigation reported.
115	80.1 92.0	June 19, 1946 Aug. 30, 1946	T,G, 95	Irr	Cased to 100 feet. Pump set at 150 feet. Estimated yield 600 gallons a minute.
116	85.3	Mar. 4, 1946	T,G, 95	Irr	Drawdown 31 feet on June 19, 1946, when pumping an estimated 500 gallons a minute.
117	68.6 86.5 90.3	Mar. 4, 1946 June 19, 1946 Aug. 30, 1946	T,G, 125	Irr	Casing: 100 feet of 16-inch. Pump set at 130 feet. Irrigating 157 acres of wheat and sorghum
118	82.1	July 1, 1946	T,G, 95	Irr	Pump set at 150 feet in 1946. Irrigating 200 acres of wheat
119	77.2 80.0	July 1, 1946 Aug. 30, 1946	T,G, 125	Irr	Measured and feed in 1946. drawdown, 44.1 feet on June 19, 1946, when pumping an estimated
120	--	--	None	N	Hole 800 gallons a minute. drilled to 200 feet, deepened to over 300 feet. Reported yield of 250 gallons a minute, considered insufficient for
121	84.3	Aug. 30, 1946	T,G,	Irr	Pump set at 180 irrigation. feet. Drawdown 29 feet after pumping 800 gallons a minute
122	76.0 75.5	June 19, 1946 Aug. 30, 1946	T,G, 165	Irr	Irrigating 100 for 12 hours. acres of feed in 1946. Drawdown 38.9 feet. when pumping an estimated 800 gallons a minute.
123	81.8	June 19, 1946	T,G, 95	Irr	Reported "Red beds" at 190 feet. yield, 800 gallons a minute.
124	82.7	Aug. 31, 1946	T,G, 90	Irr	Pump set at 130 feet. Estimated yield, 800 gallons a minute.
125	d/80	--	T,G, 125	Irr	Irrigated 275 acres of wheat and grain sorghum in 1946. Reported yield, 800 gallons a minute. "Red beds at 220 feet.
126	88.1	Aug. 31, 1946	T,G, 95	Irr	Pump set at 120 feet. Reported yield, 800 gallons a minute. "Red beds" at 220 feet.
127	85.9	do.	None	N	Reported yield, 700 gallons a minute. "Red beds" at 200 feet,

Records of wells and springs in Briscoe County--Continued

Well	Distance from Silverton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
128	6½ miles southwest	W. J. Mercer	do.	1943	215±	21	--
129	6 miles southwest	do.	Francis and Davis	1937	300	21	--
130	5½ miles southwest	do.	Green Machinery Co.	1936	264	21	--
131	do.	J. B. McGraw	J. F. Davis	1946	219	21	1.5
132	5 miles southwest	Joe O'Neal	Joe O'Neal	1937	200±	21	1
133	4½ miles southwest	Ed Vaughn	J. F. Davis	1946	200	21	1
134	9½ miles southwest	do.	do.	1946	212	20	--
135	5½ miles southwest	O. R. Tipps	Louis Francis	--	240	21	0
136	6 miles southwest	Bud McMinn	J. F. Davis	1946	215	21	1
137	do.	Lydia Lewis	do.	1946	--	--	--
138	do.	L. W. Francis	Hollie F. Francis	1945	216	21	2
139	6½ miles southwest	do.	Francis and Davis	1937	370	21	1
140	do.	do.	J. F. Davis	1937	237	21	4
141	7½ miles southwest	E. R. Long	Hollie Francis	1946	220	21	--
142	do.	do.	do.	1946	223	21	1.5
143	9½ miles southwest	Carl Wimberly	do.	1946	210	21	1.3
144	do.	Earl Cantwell	G. L. Manning	1936	222	21	1
145	9 miles southwest	do.	Louis Francis	--	225	21	1
146	10½ miles southwest	Allen Kellum	J. F. Davis	1945	206	21	1.6

Well	WATER LEVEL: Below land surface (ft.)	WATER LEVEL: Date of measurement	Method of lift b/	Use of water	Remarks
128	--	--	T,G, 93	Irr	Pump set at 140 feet. Reported yield 800 gallons a minute. "Red beds" at 215 feet.
129	--	--	None	N	Reported yield 200 gallons a minute, considered insufficient for irrigation. Hole filled to surface.
130	--	--	None	N	Reported yield 300 gallons a minute, considered insufficient water for irrigation.
131	79.4	Aug. 29, 1946	T,G, 165	Irr	Irrigated 42 acres of beans and row crops in 1946. Reported yield, 800 gallons a minute. "Red beds" at 219 feet.
132	87.6	do.	T,G, 95	Irr	Estimated yield 800 gallons a minute.
133	79.6	do.	None	N	Insufficient water for irrigation. "Red beds" at 178 feet. See log.
134	d/80	--	T,G, 125	Irr	Pump set at 130 feet. Reported yield 800 gallons a minute. See log.
135	79.4	Aug. 29, 1946	None	N	Reported yield 250 gallons a minute, considered insufficient for irrigation.
136	81.4	do.	T,G, 125	Irr	Reported drawdown 103 feet, when pumping 500 gallons a minute.
137	--	--	--	N	Drilling for irrigation when visited.
138	75.5	Aug. 29, 1946	None	N	Drilled for irrigation. Pump not set when visited.
139	75.8	do.	None	N	Drilled to 225 feet, deepened to 370 feet. Reported yield 300 gallons a minute, considered insufficient for irrigation.
140	76.5 82.6	Aug. 9, 1946 Aug. 29, 1946	T,G, 92	Irr	Pump set at 120 feet. Measured drawdown 28 feet after pumping 800 gallons a minute for 2 to 3 days.
141	--	--	None	N	Drilled for irrigation. Pump to be installed.
142	78.9 81.9	July 23, 1946 Aug. 28, 1946	T,G, 140	Irr	Pump set at 185 feet. Drawdown 100 feet on July 3, 1946, after pumping 1100 gallons a minute for one hour.
143	85.7 85.7	July 1, 1946 Aug. 30, 1946	T	N	Drilled for irrigation. Pump pulled and lying at side of well. Reported yield 200 gallons a minute.
144	68.0 77.1	Mar. 29, 1946 Aug. 25, 1946	T,G, 85	Irr	Pump set at 130 feet. Estimated yield 350 gallons a minute.
145	65.9	Aug. 30, 1946	None	N	Insufficient water for irrigation.
146	59.4 66.2	July 1, 1946 Aug. 25, 1946	T,G, 120	Irr	Pump set at 170 feet. Measured yield 350 gallons a minute.

Records of wells and springs in Briscoe County--Continued

Well	Distance from Silverton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
147	11 miles southwest	J. W. Read	J. F. Davis	1946	215	21	1
148	10½ miles southwest	Carl Wimberly	do.	1937	218	21	1
149	10 miles southwest	Edwin Crass	--	1936	220	21	1
150	9½ miles southwest	Francis School	--	--	--	8	0.5
151	10 miles southwest	Edwin Crass	Green Machinery Co.	1946	215	21	--
152	10½ miles southwest	Scott Smithee	J. F. Davis	1946	225	21	--
153	do.	J. Lee Francis	Francis and Davis	1937	226	21	--
154	do.	Edwin Crass	do.	1937	226	18	1.0
155	10 miles southwest	R. E. Bell	Lewis Francis	1936	200	21	1.0
156	do.	do.	Green Machinery Co.	1937	275	14	--
157	13⅓ miles southwest	Mrs. L. G. Conner	Leo Koger	1938	230	14	--
158	14 miles southwest	Mrs. Eula S. Bramlett	L. W. Francis	1940	250	15	--
159	13⅓ miles southwest	H. H. McPherson	Hollie Francis	1946	212	18	1
160	do.	W. D. Nance	--	1938	210	16	--
161	13 miles southwest	J. B. Mercer	Finis L. Moore	1938	210	16	1
162	do.	Dr. Conrad Frey	Earl Sassamen	1937	219	14	0.6
163	12½ miles southwest	do.	D. B. Mathis	1946	230	16	--

Well	WATER LEVEL: Below land surface (ft.)	WATER LEVEL: Date of measurement	Method of lift b/	Use of water c/	Remarks
147	66.7	July 1, 1946	T,G, 120	Irr	Pump set at 180 feet. Irrigating 50 acres of feed. Estimated drawdown 112 feet, when pumping 350 gallons a minute. See log.
148	66.5 71.7	Dec. 13, 1946 July 1, 1946	T,G, 125	Irr	Pump set at 148 feet. Irrigating 150 acres of sorghum in 1946. Reported yield, 800 gallons a minute in 1938; estimated yield 650 gallons a minute in 1946. Drawdown around 22.5 feet in
149	77.8	May 7, 1936	T,G, 125	Irr	Pump set at 116 feet. 1946. Measured drawdown 20 feet in 1936, when pumping 815 gallons
150	71.4	May 7, 1936 Aug. 25, 1946	C,W	P	a minute.
151	--	--	T,G, 125	Irr	Pump set at 150 feet. Reported yield 400 gallons a minute.
152	d/70	--	T,G, 125	Irr	Irrigated 65 acres feed. Reported yield, 800 gallons a minute. "Red beds" around 225
153	d/75	--	T,G, 95	Irr	Reported yield, 800 feet. gallons a minute.
154	82.5 93.5	Dec. 13, 1938 Aug. 25, 1946	None	--	Cased to bottom. Pump moved to well 151, but will be replaced. Reported yield 750 gallons a minute in 1946.
155	82.4 83.8	Dec. 13, 1938 Aug. 25, 1946	None	N	Reported yield 700 gallons a minute in 1938, abandoned in
156	82.9 84.2	Dec. 13, 1938 Aug. 25, 1946	None	N	1942.
157	--	--	T,G, 95	Irr	Cased to bottom. Pump set at 110 feet. Estimated yield 700
158	--	--	T,G, 95	Irr	Cased to gallons a minute. bottom. Reported yield 700
159	85.6 87.3	June 26, 1946 Aug. 25, 1946	T,G, 95	Irr	Casing from gallons a minute. 76 to 212 feet. Pump set at 120 feet. Measured yield 800 gallons
160	--	--	T,G, 120	Irr	Casing from 132 to a minute. 132 feet. Pump set at 132 feet. Irrigated 60 acres of feed in
161	88.8	Aug. 25, 1946	T,G, 95	Irr	Casing from 80 to 130 1946. feet. Pump set at 110 feet. Irrigated 100 acres of feed in 1946. Reported yield 800 gallons
162	89.6	do.	T,G, 95	Irr	Casing:219 feet with a minute. 192 feet perforated. Pump set at 120 feet. Reported yield 800 gallons a minute. See log.
163	--	--	None	N	Drilling for irrigation when visited August 31, 1946.

Records of wells and springs in Briscoe County--Continued

Well	Distance from Silverton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
164	9½ miles southwest	W. H. Steel	Hollie Francis	1946	250	21	--
165	do.	do.	Dale Smith	1945	256	21	1
166	9 miles southwest	Hollie Francis	Hollie Francis	1946	230	21	1
167	9½ miles southwest	Charles Francis	do.	1946	270	21	2
168	10 miles southwest	Dr. Charles E.	H. O. Bogle	1945	200	18	1.2
169	9½ miles southwest	Fulton Gregg	J. F. Davis	1944	208	21	3
170	11½ miles southwest	A. L. Meyer	L. P. Davis and Sons	1946	220	16	2
171	do.	W. A. Holt	-- Matthews	1946	200	14	3.5
172	do.	E. Dickerson	L. P. Davis and Sons	1946	200	16	1.5
173	do.	W. C. Payne	W. O. Tye	1944	242	12	--
174	do.	J. V. Nelson	--	1945	233	16	3.5
175	11 miles southwest	Grady Wimberly	L. W. Francis	1940	210	16	1
201	½ mile southwest	William Harden	J. F. Davis	1945	234	21	0
202	In Silvertson	City of Silverton City well no. 1	Dave Lefboro	1929	200	12	--
203	do.	City of Silvertson City well no. 3	J. F. Davis	1939	410	16± 8	0.5

Well	WATER LEVEL: Below land surface (ft.)	WATER LEVEL: Date of measurement	Method of lift b/	Use of water c/	Remarks
164	--	--	T,G, 95	Irr	Estimated yield 350 gallons a minute. Reported drilled to "red beds".
165	84.8	Aug. 28, 1946	None	N	Reported yield 375 gallons a minute, considered insufficient for irrigation. "Red beds" at 254 feet. See log.
166	83.4	do.	None	N	Drilled for irrigation. Pump not yet set.
167	85.3 84.1	Aug. 9, 1946 Aug. 28, 1946	T,G, 125	Irr	Measured yield 347 gallons a minute.
168	87.2 91.8 97.2	June 18, 1946 June 26, 1946 Aug. 28, 1946	T,G, 120	Irr	Casing: 150 feet of 18-inch Pump set at 144 feet. Drawdown 8.5 feet, when pumping 700 gallons a minute. See log.
169	106.3	Aug. 28, 1946	T,G, 120	Irr	Irrigating 216 acres of alfalfa, sorghum, wheat and grass in 1946. Reported yield 800 gallons a minute. "Red beds" at 208 feet.
170	91.3 93.1 93.3 96.4	Mar. 18, 1946 June 26, 1946 July 18, 1946 Aug. 28, 1946	T,G, 120	Irr	Casing: 155 feet of 16-inch with 115 feet perforated. Pump set at 144 feet. Irrigating 160 acres maise, wheat and row crops in 1946. Measured drawdown 15 feet, after pumping 800 gallons a minute for 24 hours.
171	98.4	Aug. 28, 1946	T,G, 125	Irr	Casing: 144 feet of 14-inch. Pump set at 144 feet. Estimated yield 800 gallons a minute. See log.
172	98.5 100.4	July 22, 1946 Aug. 28, 1946	T,G, 140	Irr	Cased 160 feet to bottom. Pump set at 144 feet. Irrigated 180 acres sorghum and prairie grass. Reported yield 800 gallons a minute. See log.
173	--	--	T,G, 95	Irr	Casing: 243 feet of 12-inch, with 179 feet perforated. Pump set at 130 feet. Reported yield 800 gallons a minute. See log.
174	102.5	Aug. 28, 1946	T,G,	Irr	Casing 228 feet of 16-inch. Pump set at 134 feet. Reported yield 800 gallons a minute. See log.
175	108.3	June 26, 1946	T,G, 125	Irr	Casing: 210 feet of 16-inch. Pump set at 120 feet. Measured drawdown 38 feet, when pumping 900 gallons a minute.
201	98.3	Aug. 27, 1946	None	N	Drilled 21-inch hole to 210 feet, 9-inch hole to 234 feet. Pump not yet set. "Red beds" at 234 feet.
202	d/120	--	C,E, 5	P	Casing: 140 feet of 12-inch. Reported yield 40 gallons a minute.
203	116.9	Aug. 27, 1946	T,E, 3	P	Casing: 200 feet of 16-inch, 80 feet of 8-inch. Reported yield 50 gallons a minute. "Red beds" at 200 feet.

Records of wells and springs in Briscoe County--Continued

Well	Distance from Silverton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
204	½ mile southeast	City of Silverton City well no. 2	Leo McDade	1933	202	9	--
205	⅝ mile southeast	City of Silverton	J. F. Davis	1946	200	14	1.0
206	4½ miles east	L. A. McJimsey	do.	1945	190	21	1.0
207	10½ miles east	Boy Scouts of Silverton	--	--	Spring	--	--
208	5 miles southeast	R. J. Donnell	J. F. Davis	1946	210	21	1
209	2⅝ miles southeast	Tony Burson	do.	1945	226	9	--
210	1⅝ miles southeast	do.	do.	1945	190	21	1.0
211	do.	True Burson	do.	1945	200	9	--
212	1½ miles southwest	Johnny Lanham	do.	1945	185	21	1.0
213	3 miles southwest	Joe O'Neal	Joe O'Neal	1945	200±	21	--
214	2¼ miles southeast	True Burson	J. F. Davis	1944	210	21	0.5
215	2⅛ miles southeast	do.	do.	1938	200	20	0.4
216	2⅝ miles southeast	do.	do.	1945	217	21	0.9
217	3⅛ miles southeast	Bvell Hill	Ed Davis	1946	214	21	1.5
218	4 miles southeast	Mrs. Nora Skaggs	do.	1946	--	--	--
219	3½ miles southeast	Ed Whitfill	J. F. Davis	1946	219	21	--
220	3⅝ miles southeast	do.	do.	1944	210	21	1
221	4½ miles south	Mrs. Ola Mills	--	1946	--	--	--
222	6 miles southwest	D. H. Davis	J. F. Davis	1938	255	20-9	0.5

Well	WATER LEVEL: Below land surface (ft.)	WATER LEVEL: Date of measurement	Method of lift b/	Use of water c/	Remarks
204	d/110	--	T,E, 15	P	Reported yield 70 gallons a minute.
205	106.6	Sept. 5, 1946	None	N	Casing 168 feet of 14-inch, with 80 feet perforated. Drilled for public supply; shot and abandoned. "Red beds" at 200 feet.
206	136.9	July 8, 1946	T,G	Irr	Reported drawdown of 39 feet. Pumping on estimated 650 gallons a minute.
207	--	--	Flows	--	Dammed for use as swimming pool. Reported yield 6 gallons a minute from many seeps.
208	132.3	Sept. 5, 1946	T,G, 120	Irr	Reported drawdown 27 feet pumping 200 gallons a minute.
209	d/110	--	None	N	Drilled for irrigation test hole. "Red beds" at 226 feet.
210	108.5	Sept. 5, 1946	None	N	Reported yield 250 to 300 gallons a minute, considered insufficient for irrigation. "Red beds" at 180 feet. Hole filled.
211	d/ 91	--	None	N	Test hole. Reported yield 200 gallons a minute, considered insufficient for irrigation.
212	85.5	Aug. 27, 1946	None	N	Measured yield 99 gallons a minute in March, 1946, considered insufficient for irrigation. "Red beds" at 200 feet.
213	d/ 95	--	None	N	Reported yield 400 gallons a minute, considered insufficient
214	90.6	Sept. 6, 1946	None	N	Reported yield 200 gallons a minute, considered insufficient for irrigation. for irrigation.
215	91.6	do.	C -	N	Drilled for irrigation well. Estimated yield 200 gallons a minute. "Red beds" "Red beds" at 210 feet.
216	96.9 99.7	July 8, 1946 Sept.6, 1946	T,G, 120	Irr	Well shot and improved some. Pump set at 130 feet. Measured drawdown 55 feet when pumping 450 gallons a minute. "Red beds" at 217 feet. at 200 feet.
217	107.3	Sept. 6, 1946	None	N	Drilled for irrigation well. Pump not yet set. "Red beds" at
218	--	--	None	N	Drilled for irrigation when visited. 214 feet.
219	d/105	--	None	N	Pump not yet set. "Red beds" at 219 feet.
220	110.1	Sept. 6, 1946	T,G, 93	Irr	Pump set at 150 feet. Reported yield 803 gallons a minute.
221	--	--	None	N	Drilled for irrigation when visited.
222	84.7	Sept.11, 1946	None	N	Drilled 20-inch hole to 200 feet, 9-inch to 255 feet. Formerly used by Highway Department. Reported yield 150 gallons a minute. "Red beds" at 200 feet.

Records of wells and springs in Briscoe County--Continued

Well	Distance from Silverton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
223	6½ miles southwest	D. H. Davis	J. F. Davis	1938	200	20	--
224	6½ miles south	W. A. Stephens	do.	1945	214	21	--
225	7 miles south	do.	do.	1944	202	15	1
226	8 miles southwest	Jim Whiteley	do.	1946	169	21	1
227	8⅓ miles southwest	W. W. Douglass	do.	1946	219	16	1.2
228	9½ miles south	A. L. Davenport	do.	1946	200	21	--
229	do.	Frederick Montague Est.	Phillips Petroleum Co.	1942	8200	13-3/8 8-5/8	--
230	8½ miles southeast	Jack Montague	--	--	166	21	0
231	6⅓ miles south	Mrs. Nettie McGavock	J. F. Davis	1943	219	20	0
232	4¼ miles southeast	Jack E. Skaggs	Francis	1945	210	21	1
233	4⅓ miles southeast	do.	Ed Davis	1946	210	21	1
234	5 miles southeast	Joe Mercer	J. F. Davis	1945	210	21	2
235	do.	do.	Ed Davis	1946	210	21	1
236	5½ miles southeast	J. W. Monroe	J. F. Davis	1946	200	9	--
237	do.	do.	do.	1946	200	21	2
238	6 miles southeast	do.	do.	1945	278	9	--
239	do.	do.	do.	1945	226	9	--

Well	WATER LEVEL: Below land surface (ft.)	WATER LEVEL: Date of measurement	Method of lift b/	Use of water c/	Remarks
223	d/80	--	None	N	Reported yield 150 gallons a minute, considered insufficient for irrigation. "Red beds" at 200 feet. Hole filled.
224	--	--	None	N	Drilled for irrigation.
225	77.2	Aug. 29, 1946	None	N	Casing: 190 feet of 15-inch, 100 feet perforated. Measured drawdown 115.4 feet on August 15, 1946, after pumping 166 gallons a minute for 6 hours.
226	71.2	Aug. 28, 1946	T	Irr	Pump set at 150 feet. Estimated yield 400 gallons a minute, considered insufficient for irrigation.
227	78.8 78.2 78.8	June 26, 1946 July 18, 1946 Aug. 28, 1946	T,G	Irr	Casing: 140 feet of 16-inch. Pump set at 160 feet. Measured drawdown 70 feet on August 16, 1946, after pumping 400 gallons a minute for 12 hours.
228	--	--	None	N	Drilled for irrigation well; abandoned and filled. "Red beds at 145 feet.
229	--	--	--	--	Oil test. See partial log.
230	112	Aug. 29, 1946	None	N	Insufficient water for irrigation.
231	80.9	Sept. 6, 1946	None	N	Insufficient water for irrigation. "Red beds" at 180 feet.
232	111.9 115.2	July 8, 1946 Sept. 5, 1946	T,G, 140	Irr	Measured drawdown 20 feet, after pumping 850 gallons a minute for several hours.
233	110.7	Sept.11, 1946	None	N	Drilled for irrigation. Pump not yet set.
234	101.7 103.1 106.2	May 14, 1946 July 8, 1946 Sept. 5, 1946	T,G 140	Irr	Pump set at 150 feet. Measured drawdown 21 feet on May 14, 1946, after pumping 1,000 gallons a minute for several hours.
235	102.3	Sept. 5, 1946	None	N	Drilled for irrigation. Pump not yet set.
236	--	--	None	N	Test hole. Reported yield 300 gallons a minute, considered insufficient for irrigation. "Red beds" at 200 feet. Hole filled.
237	97.4	Sept. 5, 1946	None	N	Reported yield 300 gallons a minute, considered insufficient for irrigation.
238	--	--	None	N	Test hole. Reported yield 300 gallons a minute, considered insufficient for irrigation. "Red beds" at 218 feet. Hole filled.
239	--	--	None	N	Test hole. Reported yield 300 gallons a minute, considered insufficient for irrigation. "Red beds" at 226 feet. Hole filled.

Records of wells and springs in Briscoe County--Continued

Well	Distance from Silverton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.) a/
240	8 miles southeast	J. M. Lemons	J. F. Davis	--	Spring	--	--
241	do.	do.	--	--	Spring	--	--
242	9 miles southeast	Fred Lemons	--	--	Spring	--	--
243	9⅓ miles southeast	do.	--	--	Spring	--	--
244	10 miles southeast	T. D. Wallace	--	--	140	8	0.5
245	10 miles southeast	Mrs. Elmina Davis	--	--	250	4½	--
246	11 miles southeast	T. D. Wallace	--	--	Spring	--	--
247	11½ miles southeast	do.	--	--	Spring	--	--
248	10⅔ miles southeast	--	--	--	Spring	--	--
249	7½ miles southeast	Mrs. W. A. London	--	1920	180	6	--
250	9⅔ miles southeast	Clete Miller	J. F. Davis	1925	209	4½	--
251	16 miles southeast	City of Quitague	-- Edwards	1929	100	14	1.5
252	do.	do.	do.	1929	100	14	--

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

b/ Method of lift: T, turbine; C, cylinder; E, electric; G, gasoline, natural gas, butane or oil engine; W, windmill; Number indicates horsepower.

Well	WATER LEVEL: Below land surface (ft.)	WATER LEVEL: Date of measurement	Method of lift b/	Use of water c/	Remarks
240	--	--	Flows	S	Estimated yield 10 gallons a minute from many seeps. Spring no. 1 in Water-Supply Paper 889F.
241	--	--	Flows	S	Yield measured ¼ mile down stream 20 gallons a minute; source, many seeps. Spring no. 2 in Water-Supply Paper 889F.
242	--	--	Flows	S	Reported yield 10 gallons a minute from many seeps.
243	--	--	Flows	S	Do.
244	122.4 124.3	Dec. 1, 1946 Sept 17, 1946	C,W	D,S	1¼ miles west of canyon of Linquist Falls Creek.
245	d/200	--	C,W	D,S	
246	--	--	Flows	S	In canyon of Linquist Falls Creek. Estimated yield 3 gallons a minute in 1938 from several seeps. Spring no. 4 in Water-Supply Paper 889 F.
247	--	--	Flows	S	In bottom of canyon at Linquist Falls Creek. Measured yield 83 gallons a minute in 1938.
248	--	--	Flows	S	In canyon of Linquist Falls Creek. Estimated yield 10 gallons a minute in 1938, from many seeps and joints. Spring no. 3 in Water-Supply Paper 889F.
249	d/140	--	C,W	D,S	About 2½ miles west of cap rock.
250	d/194	--	C,W	D,S	Casing: 209 feet of 4½-inch. About 200 yards west of draw near cap rock.
251	51	--	T,E, 15	P	Casing: 100 feet of 14-inch, well gravel-walled. Pump set at 90 feet. Reported drawdown 20 feet, when pumping 200 gallons a minute.
252	d/ 50	--	T,E, 15	P	Do.

c/ Irr, irrigation; P, public supply; D, domestic; S, stock; N, not used.
d/ Water level reported by driller or owner.

Table of drillers' logs, Briscoe County, Texas

Well 15, partial log

C. Adair Estate, 14½ miles north of Silverton.

	Thickness (feet)	Depth (feet)
Sand and clay	70	70
Gypsum	4	74
Clay and gravel	6	80
Gypsum	56	136
Gypsum and clay	120	256
Sand and red beds	50	306
Gypsum and clay	88	394
Hard gypsum	21	415
Gypsum	81	496
Red rock and gypsum	374	870
Salt	18	888
Salt and gypsum	42	930
Gypsum	10	940
Salt and gypsum	54	994
Gypsum	62	1056
TOTAL DEPTH		4010

Well 21, partial log

J. C. Anderson, 12 miles northwest of Silverton.

	Thickness (feet)	Depth (feet)
Red mud	50	50
Red sand	50	100
Gravel	35	135
Yellow mud	15	150
Blue shale	50	200
Lime shells and shale	35	235
Water sand	15	250
Red shale	40	290
Blue shale	10	300
Water sand	105	405
Blue shale	8	413
Sand	47	460
Red bed	5	465
Sand	15	480
Red rock	295	775
Chalk	15	790
Red bed	5	795
Dolomite	30	825
Red rock	75	900
Limestone	10	910
Salt	40	950
TOTAL DEPTH		1630

Well 133

Ed Vaughn, 4¾ miles southwest of Silverton.

	Thickness (feet)	Depth (feet)
Caliche and rock	85	85
Water sand	75	160
White clay and caliche	18	178
Red beds	22	200

Well 134

Ed Vaughn, 9½ miles southwest of Silverton.

	Thickness (feet)	Depth (feet)
Caliche and rock	85	85
Water sand	65	150
Caliche and clay	48	198
Water sand and gravel	14	212

Well 147

J. W. Read, 11 miles southwest of Silverton.

	Thickness (feet)	Depth (feet)
Caliche, clay, and rock	70	70
Water sand	25	95
Red clay	8	103
Water sand	43	145
Caliche, sand and some rock	55	200
Sand and gravel	15	215

Well 162

Dr. Conrad Frey, 13 miles southwest of Silverton.

	Thickness (feet)	Depth (feet)
Soil	4	4
Yellow clay	64	68
Caliche	17	85
Red water sand	23	105
Red shale	4	112
Gray sandy shale	38	150
Hard sand (cap rock)	4	154
White water sand	11	165
Sandy shale	6	171
Soft packsand	9	180
Hard packsand	15	195
Brown sandy shale	3	198
Hard sand (cap rock)	2	200
River bed sand and gravel	18	218
Hard crystallized sand	1	219

Table of drillers' logs, Briscoe County--Continued

Well 165

W. H. Steel, 9½ miles southwest of Silverton.

	Thickness (feet)	Depth (feet)
Top soil	5	5
Shale and clay	49	54
Rock	4	58
Shale	6	64
Sand	46	110
Rock	4	114
Sand and boulders	28	142
Clay and shale	68	210
Sand and gravel	44	254
Red beds	2	256

Well 168

Dr. Charles E. Wallace, 10 miles southwest of Silverton.

	Thickness (feet)	Depth (feet)
Surface	3	3
Cla y-caliche	25	28
Broken rock	32	60
Water sand	5	65
Shale-white rock	23	88
Water sand	59	147
Shale and sand	21	168
Broken sand	26	194
Shale	6	200

Well 170

A. L. Moyer, 11½ miles southwest of Silverton.

	Thickness (feet)	Depth (feet)
Surface	3	3
Clay and caliche	22	25
Broken rock and shale	45	70
Shale	23	93
Water sand	17	110
Rock	4	114
Shale	4	118
Water sand	19	137
Broken sand and shale	18	155
White rock	12	167
Water sand with hard streaks	53	220

Well 172

E. Dickerson, 11½ miles southwest of Silverton.

	Thickness (feet)	Depth (feet)
Surface	5	5
Caliche	9	14
Sand shale	36	50
Rock	6	56
Shale-rock	10	66
Rock	3	69
Red clay	29	98
Water sand	12	110
Sandy shale	38	148
Water sand	12	160
Shale	22	182
River gravel	18	200

Well 173

W. O. Payne, 11½ miles southwest of Silverton.

	Thickness (feet)	Depth (feet)
Top soil	3	3
Brown clay	77	80
Shalerock	10	90
Honey-combed sand and clay streaks	45	135
Hard sand and clay	55	190
Sand and gravel, clay streaks	52	242

Well 174

J. V. Nelson, 11½ miles southwest of Silverton.

	Thickness (feet)	Depth (feet)
Undifferentiated and red sand	50	50
Sand rock	6	56
White sand	20	76
Water sand	22	98
Caliche rock	8	106
Water sand	24	130
White sand	30	160
Water sand	25	185
Red sand	20	205
Water sand	28	233

Table of drillers' logs, Briscoe County--Continued

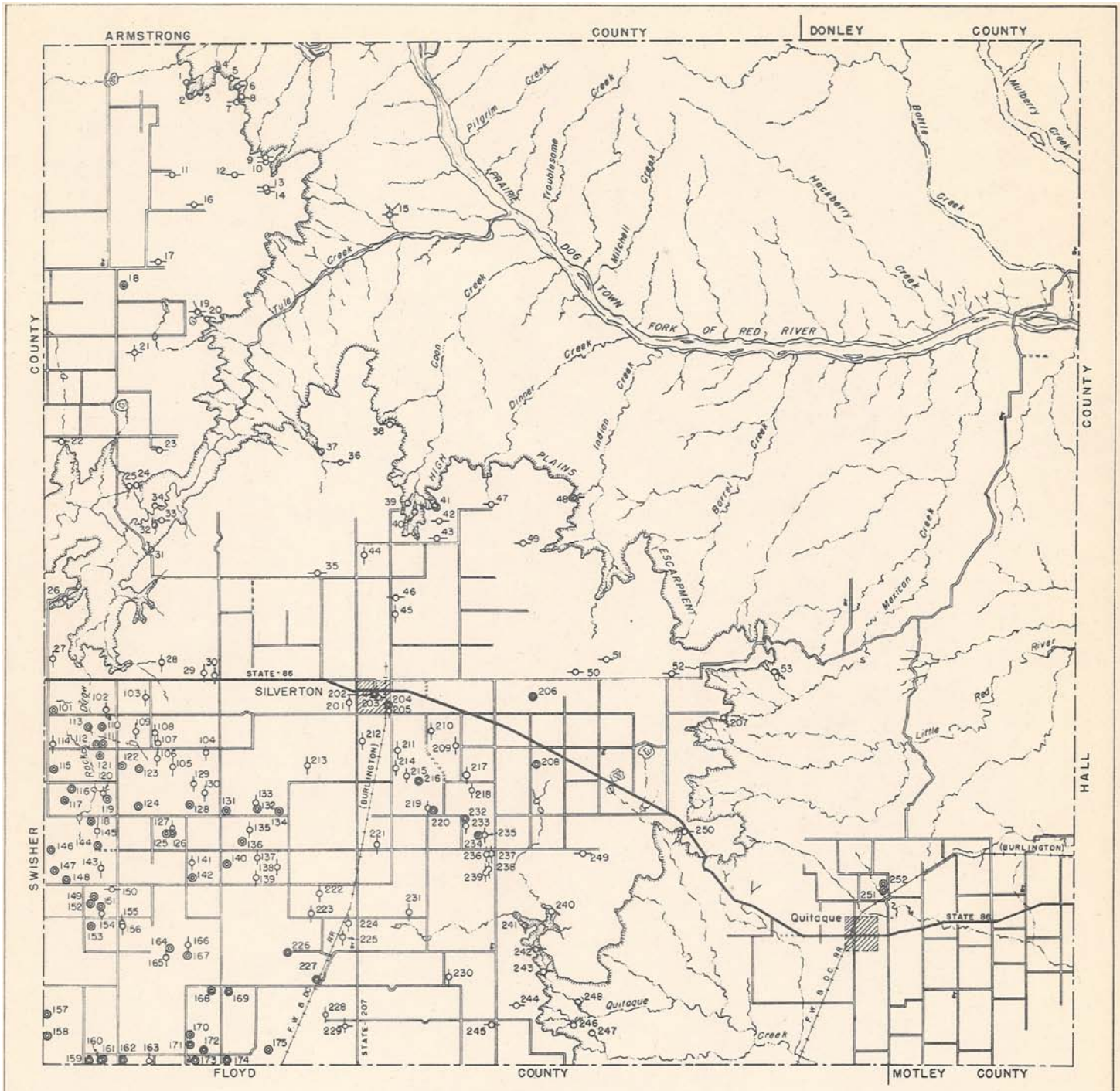
	Thickness (feet)	Depth (feet)
Well 229, partial log		
Frederick Montague Estate, 9½ miles south of Silverton.		
Surface sand and caliche	30	30
Caliche and sandy lime	50	80
Red angular quartz sand	15	95
Sandy lime	45	140
Shale with thin stringers of sand and pebbles	40	180
Sand and gravel with stringers of gray shale	40	220
Gray shale	10	230
Sand and gravel with stringers of gray shale	30	260
Gray shale	10	270
Sand and gravel	40	310
Red beds and sand	245	555
TOTAL DEPTH		8200

Partial analyses of water from wells in Briscoe 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)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.
1	W. C, Hulsey Estate	Spring	Sept. 9, 1946	351	40	26	43	270	55	15	0.0	-	207
10	D. Morris and V. L. Matney	260	do.	317	45	24	19	221	34	26	0.2	-	211
11	Dick Todd	120	Sept. 4, 1946	388	49	30	20	241	34	36	6.6	-	246
12	D. Morris and V. L. Matney	170+	do.	333	49	20	28	255	22	23	0.2	-	204
14	do.	170	Sept. 9, 1946	309	49	20	18	229	12	31	0.2	-	204
16	W. J. Heim	146	Sept. 4, 1946	322	37	26	23	244	27	14	0.2	-	200
17	-- May	126+	Sept. 9, 1946	356	38	34	23	256	36	27	0.2	-	235
19	Frank Cobb	111	Sept.10, 1946	383	40	39	28	270	35	44	1.2	-	260
22	S. M. Rogers	70	Sept. 4, 1946	419	31	36	56	267	52	22	0.2	-	226
23	Wright B. May	110	Sept.10, 1946	368	36	30	39	238	59	28	0.2	-	214
24	C. M. Flowers	Spring	do.	420	28	40	49	249	60	28	0.2	-	234
28	G. B. Mayfield	216	Sept.11, 1946	333	23	35	47	273	23	13	0.2	-	173
33	C. M. Flowers	250	Sept.10, 1946	621	34	32	145	350	171	48	0.0	-	216
36	Roy McMurtrie	137	Sept.16, 1946	486	61	42	30	391	28	22	11	-	324
46	M. J. O'Neal	140	do.	341	38	26	19	215	20	30	4.3	-	202
52	Guy McWilliams	210	Sept.17, 1946	367	43	27	21	247	20	28	1.8	-	213
147	J. W. Reid	215	Aug. 30, 1946	350	36	44	15	261	22	15	0.0	-	271
175	Grady Wimberly	210	Aug. 28, 1946	387	31	39	36	273	42	20	0.0	-	238
*202	City of Silverton -		Aug. 27, 1946	364	40	34	41	288	40	24	2.5	3.6	240
245	Mrs. Elmina Davis	259	Aug. 25, 1946	320	34	43	9.2	300	17	13	0.2	-	263
249	Mrs. W. A. London	180	Sept. 5, 1946	489	36	40	46	304	106	26	0.2	-	292
250	Clete Miller	209	Sept.17, 1946	444	51	41	25	304	50	35	0.2	-	296
251	City of Quitaque	100	Sept. 2, 1946	962	65	54	211	428	243	146	9.2	4.3	334

*Composite sample from three wells, Nos. 202, 203, and 204, City of Silverton.



EXPLANATION

- WELL WITH WINDMILL OR SMALL POWER PUMP
- WELL WITH PUMPING PLANT - 5 HORSEPOWER OR LARGER
- TEST WELL FOR OIL OR GAS
- UNUSED WELL
- SPRING
- SCHOOL

MAP OF BRISCOE COUNTY, TEXAS

SHOWING WATER WELLS AND SPRINGS

SCALE

1 0 1 2 3 Miles

BASE COMPILED FROM GENERAL HIGHWAY MAP AND FIELD NOTES

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

N

mlc 9-46