TEXAS

STATE BOARD OF WATER ENGINEERS
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CROSBY COUNTY, TEXAS.

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

Work Projects Administration Project 10780

Analyses made and report mimeographed by
WORK PROJECTS ADMINISTRATION
Project 10443

Sponsored by the State Board of Water Engineers with the United States Department of the Interior, Geological Survey, and the Bureau of Industrial Chemistry of The University of Texas cooperating.

Austin, Texas
August 20, 1939

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Introduction

by

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This publication contains an assemblage of data, obtained in the course of a survey in Crosby County, Texas, consisting of records of wells and springs, logs of wells and test holes, and analyses of water from wells, springs and test holes. The locations of all wells, springs and test holes that are listed are shown on the map on page 56.

This survey (project 10780 of District 17, Lubbock) was a part of a Statewide inventory of water wells sponsored by the State Board of Water Engineers. The Geological Survey, United States Department of the Interior, cooperated in the technical direction of the project. It was started October 17, 1938, and completed March 16, 1939. Carl B. Mueller, an engineer, was project superintendent, under the direction of Miss Evelyn Richter, Supervisor of Professional and Service Projects for the Lubbock district of the W. P. A. The Commissioners' Court of Crosby County furnished transportation for the workers.

The field work included the drilling of a large number of test holes from 6 to 42 feet deep, in lines across depressions in the land surface which are partly filled with water after heavy rains. These depressions are of common occurrence in the Texas High Plains. Data from these test holes are used to study the depressions and their function in the replenishment of the under-ground water supply.

The analyses were made by chemists employed on Work Projects Administration Project 10443 under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry of The University of Texas, and E. W. Lohr, Chemist of the Quality of Water Division of the Geological Survey; the Bureau of Industrial Chemistry furnished laboratory space and equipment. This release was typed by typists employed on that project.

The records serve as a guide to land owners, well drillers and others who need information regarding springs and wells, the depth to ground water in differen parts of the county, and the quantity and chemical character of water yielded by both springs and wells. They afford a basis for the more intensive investigation that is now being carried on by the State Board of Water Engineers in cooperation with the Geological Survey. The purpose of this investigation is to determine the distribution and extent of the available ground-water supplies.

Records of observation wells in Crosby County, Texas

Water level fluctuations in these wells have been published in U. S. Geological Survey Water-Supply Paper 840, Water levels and artesian pressure in observation wells in the United States, 1938. pp. 392-93.

No.	Distance from Crosbyton	Section or labor	Survey and block, or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
d/ 1	13 miles northwest	sec. 3, NW¼NW¼	blk. M	J. E. Rudell	D. L. Handley	1930	208	6
d/ 2	11½ miles northwest	sec. 5, SE¼SE¼	do.	C. B. Travis	--	--	121	--
d/ 3	10 miles northwest	NW¼NW¼	S. M. Walker sur.	New Home School	--	--	173	6
d/ 4	9 miles north	sec. 14, SW¼SW¼	G.T. R.R. sur.	W. H. Watts	--	--	152	6
d/ 5	8½ miles west	SW¼SW¼	Ralls Townsite, lge.4,Morris C.S.L.	J. M. Rankin	--	--	202	4½
d/ 6	10 miles west	lab. 15, NE¼SE¼	lge. 4, Morris C. S. L.	Miss D. M. Ralls	--	--	166	6
d/ 7	11½ miles west	sec. 920, SW¼SE¼	blk. C-3	B. F. Lackey	--	--	122	6
d/ 8	14 miles west	sec. 915, NW¼NW¼	do.	Paul Bedingfield	A. D. Parrish	1937	220	12
d/ 9	16½ miles west	SW¼SW¼	H. S. Smyer sur.	Dallas Joint Stock Land Bank	--	--	101	6
d/ 10	do.	NW¼SW¼	R. Carter sur.	C. esterman	--	1937	400	18
d/ 11	17 miles west	sec. 41, SW¼SE¼	blk. C	City of Lorenzo	--	1927	223	12

a/ Measuring point was usually top of casing, top of pipe clamp or top of well curb.
b/ C, cylinder; T, turbine; Cf, centrifugal; W, windmill; G, gasoline; E, electric; H, hand.

Records obtained by Joe W. Lang,
State Board of Water Engineers

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Topographic situation	Remarks
1	0.8	114.3	June 16, 1937	C,W	D	Gentle slope	Iron casing to bottom. Located 0.35 mile south of large lake.
2	0.4	107.2	June 12, 1937	C,W	D,S	do.	Located 0.2 mile southwest of small lake.
3	0.2	126.1	June 16, 1937	C,W	P	Flat	Reported strong supply.
4	0.5	121.2	do.	C,W	N	Gentle slope	Located 0.2 mile west of dry lake.
5	0.5	119.2	June 17, 1937	None	N	Flat	Iron casing. Located 500 feet west of Ralls City well 2.
6	0.5	119.5	do.	C,W	D,S	Gentle slope	Measured drawdown, 11.5 feet after pumping 2 to 4 gallons a minute for 12 hours.
7	0.7	94.9	July 29, 1937	C,W	S	Edge of sink	
8	1.7	93.3	June 17, 1937	T,G, 28	I	Gentle slope	Reported drawdown, 59 feet after pumping 700 gallons a minute for 12 hours.
9	0	80.4	do.	None	N	do.	Located 0.3 mile south of lake.
10	0.8	87.7	do.	T,G, 28	I	do.	Steel casing. Estimated yield, 400 gallons a minute.
11	--	80	e/	T,E, 10	P	do.	Reported drawdown, 18 to 20 feet after pumping 100 gallons a minute for 1½ hours.

c/ D, domestic; S, stock; I, irrigation; P, public; N, not used.
d/ No water sample collected for analysis.
e/ Water level reported.

Records of wells and springs in Crosby County, Texas
(All wells are drilled unless otherwise noted in "Remarks" column.)
(See "Logs of W. P. A. test wells" for all records of test wells.)

No.	Distance	Section or labor	Survey and block, or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
d/1a	21½ miles northwest	sec. 64, SW¼NW¼	blk. C	Linnie May Weise	--	--	259	14
3a	20 miles northwest	sec. 32, SW¼SW¼	do.	R. Jones Goode	--	Old	107	6
5a	19½ miles northwest	sec. 32, SE¼SE¼	do.	do.	--	--	102	--
7a	do.	NW¼NW¼	J. K. Fullingim sur.	Mrs. Alice Hathway	--	Old	106	--
9a	17½ miles northwest	sec. 12, NW¼NW¼	blk. C	Mrs. M. J. Wright	Bob Lind	1880	115	--
11a	do.	sec. 15, NW¼NW¼	do.	Walter Schluter	--	--	101	--
12a	19 miles west	sec. 34, SW¼SW¼	do.	Velma Gills	--	Old	125	--
d/15a	20 miles west	sec. 60, NW¼SW¼	do.	Mrs. O. Bowers	--	--	--	--
14	18½ miles west	sec. 37, NW¼SW¼	do.	G. W. Carter	--	Old	101	--
15	16½ miles west	sec. 17, NW¼NW¼	do.	Temple Trust Co.	--	Old	100	--
16	15½ miles west	SE¼NE¼	R. G. Cook sur.	J. M. Cherry	--	1900	150	--
17	do.	sec. 9, NW¼NW¼	blk. C	Albert Cage	--	Old	145	--
18	16 miles northwest	SW¼SE¼	M. F. Cannon sur.	J. E. Harris &--Tomlinson	Tog Story	1915	130	--
d/19	17½ miles northwest	sec. 211, SW¼NW¼	A. B. & M. sur.	J. F. Robertson	--	1938	--	--
22	14 miles northwest	sec. 1, NW¼NE¼	blk. M	Bertha Ewing	--	1900	125	5
24	13 miles northwest	sec. 7, SW¼NW¼	do.	W. F. Andrews	--	1900	170	5
25	12 miles northwest	SE¼NE¼	blk. Z-2	M. E. Brockett	--	1925	113	6
43	do.	sec. 4, NW¼NW¼	blk. M	Fred Shell	--	--	143	--
d/46	13 miles northwest	SW¼SW¼	J. F. Littlefield sur.	J. R. Noble	--	--	137	--
49	12½ miles northwest	sec. 2, SW¼NW¼	blk. N	John T. Boydston	--	Old	180	5
d/51	10½ miles northwest	sec. 8, NW¼NE¼	blk. B	C. C. Gilbreath	--	1937	143	--
d/52	do.	sec. 29, NW¼NW¼	blk. 2, B. & B. sur.	E. B. Covington Est.	--	--	143	--
54	10 miles northwest	sec. 10, SE¼NE¼	blk. B	D. C. Flurry	--	--	175	5
59	10½ miles northwest	sec. 14, SW¼SE¼	blk. N	Minta F. Pass	--	--	154	--

a/ Measuring point was usually top of casing, top of pipe clamp or top of well curb.
b/ C, cylinder; T, turbine; Cf, centrifugal; W, windmill; G, gasoline; E, electric; H, hand.

Records obtained by Carl B. Mueller, Project Superintendent
(Chemical analyses of water from these wells and springs are in the table of analyses

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Topographic situation	Remarks
1a	--	90	e/	Cf,G, 18	I	Flat	Steel casing to bottom. Reported strong supply.
3a	1	79.5	Oct. 27, 1938	C,W	D,S	do.	Do.
5a	0.4	77.2	do.	C,W	S	Edge of sink	
7a	1.5	79.0	do.	C,W	S	do.	Estimated yield, 2 gallons a minute.
9a	--	100	e/	C,W	D,S	Flat	Not cased. Reported water from second strata of sand. Reported yield, 2 to 4 gallons a minute.
11a	1	92	Oct. 28, 1938	C,W	D,S	Edge of sink	Not cased. Water level measured while windmill pumping about 2 gal-
12a	--	85	e/	C,W	D,S	Flat	Reported strong lons a minute. supply.
13a	--	--	--	T,G, --	I	do.	
14	0.5	75.6	Oct. 19, 1938	C,W	D,S	Gentle slope	Not cased. Water level measured while windmill pumping about 2 gal-
15	--	90	e/	C,W	D,S	Edge of sink	Reported strong lons a minute. supply.
16	--	100	e/	C,W	D,S	Flat	Reported water from red sand. Located 0.5 mile west of sink.
17	1	93	Oct. 28, 1938	C,W	D,S	do.	Casing near bottom of well only. Estimated yield, 2 gallons a minute.
18	--	--	--	C,W	D,S	Edge of sink	41 feet of casing at bottom. Reported water from third sand strata.
19	--	--	--	T,G, 50	I	Gentle slope	Located 0.2 mile east of dry lake.
22	--	90	e/	C,W	D,S	Edge of sink	Iron casing to bottom of well. Water from gravel.
24	--	130	e/	C,W	D,S	Flat	Iron casing. Estimated yield, 2 gallons a minute.
25	2.6	104.2	Oct. 17, 1938	C,W	D,S	Gentle slope	Steel casing. Located in J. A. Noble section.
43	1	117.1	Mar. 9, 1939	C,W	N	Flat	Reported strong supply. Located 0.4 mile north of sink.
46	0.2	110.8	June 14, 1938	C	N	Gentle slope	Located 800 feet southeast of sink.
49	--	120	e/	C,W	D,S	Flat	Steel casing. Reported strong supply.
51	--	--	--	C,W	N	do.	Filled with sand above water level.
52	--	--	--	--	N	do.	Dry when visited, Oct. 26, 1938.
54	--	120	e/	C,W	D,S	Near sink	Reported strong supply. Cased to 20 feet.
59	0.2	135	Oct. 27, 1938	C,W	D,S	Flat	Reported water from quicksand. Estimated yield, 2 gallons a minute.

a/ D, domestic; S, stock; I, irrigation; P, public; N, not used.
b/ No water sample collected for analysis.
c/ Water level reported.

Records of wells and springs in Crosby County--Continued

No.	Distance from Crosbyton	Section or labor	Survey and block, or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
60	9 miles northwest	sec. 11, NE¼SE¼	blk. B	Hattie Spellings	--	1920	190	5
69	do.	sec. 12, NW¼NW¼	do.	Charles Verett	--	1900	157	4
70	7½ miles northwest	sec. 5, SE¼SW¼	do.	L. L. Haney	--	--	180	4
d/ 71	8 miles northwest	sec. 31, SW¼SW¼	blk. 2 E. & B. sur.	J. P. Goins	--	Old	168	5
72	6 miles northwest	sec. 8, NE¼NW¼	do.	J. R. McDuff	--	Old	260	--
73	5½ miles north	sec. 3, NE¼NE¼	do.	G. T. Blankenship	--	Old	350	--
74	4½ miles north	sec. 4, SE¼NE¼	do.	H. C. Edler	--	1912	225	--
d/ 75	do.	lab. 4, NE¼NW¼	lge. A-31 Eastland C.S.L.	F. R. Pyron	--	Old	256	--
d/ 76	5½ miles north	sec. 8, NW¼NW¼	lge. A-30 Eastland C.S.L.	Mrs. J. Tucker	--	Old	135	4
84	do.	sec. 1, NW¼NE¼	blk. 2, B. & B. sur.	F. F. Rives	--	Old	246	--
85	6½ miles north	sec. 5, NW¼NW¼	lge. A-30 Eastland C.S.L.	W. R. Love	--	Old	248	--
86	7 miles north	sec. 11, SE¼SE¼	blk. 2, B. & B. sur.	L. A. Fowler	--	Old	256	--
93	9½ miles north	SW¼SW¼	lge. A-29, Eastland C.S.L.	Geo. W. Smith	--	--	17	--
d/ 98	do.	SW¼SW¼	Geo. W. Smith sur.	do.	--	--	Spring	--
99	10 miles north	sec. 18, NE¼SE¼	blk. 2, B. & B. sur.	G. B. Parkhill	--	1919	300	4
100	11½ miles north	sec. 2, NE¼SE¼	C.C.S.D.& R.G.N.G. sur.	R. B. Smith	--	1938	240	3
d/101	12 miles north	sec. 21, NW¼SW¼	M.E.P.& P. R.R. sur.	J. W. Harper	--	Old	--	--
102	do.	sec. 25, NE¼NW¼	do.	T. Taylor	--	Old	243	--
103	11 miles north	NW¼NW¼	A. Huston sur.	S. M. Crawford	--	Old	300	--
104	10 miles north	sec. 27, SW¼SW¼	M.E.P.& P. R.R. sur.	E. Lankford	--	Old	261	--
110	9½ miles northeast	NE¼SE¼	J. H. Perry sur.	W. W. Latta	--	Old	260	--
111	6½ miles north	sec. 1, SE¼SW¼	lge. 2, blk. 1, Eastland C.S.L.	Ralph Fowler	--	Old	249	--
112	6 miles north	sec. 5 SE¼NW¼	lge. 2, blk. 5, Eastland C.S.L.	Glenford Fowler	--	--	247	--
113	5½ miles north	sec. 1, SE¼SE¼	lge. 2, blk. 4, Eastland C.S.L.	Mary Fowler	Ed Ballard	1916	258	5
d/114	6 miles north	sec. 47, NW¼SW¼	blk. 28, H.& G.N.R.R.sur.	J. S. Bridwell	--	--	Spring	--
d/115	5½ miles north	sec. 6, SE¼NE¼	lge. A-30, Eastland C.S.L	A. C. Fowler	--	--	Spring	--
116	5 miles northeast	sec. 46, NE¼SW¼	blk. 28, H.& G.N.R.R.sur.	J. S. Bridwell	--	--	Spring	--

Carl B. Mueller, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Topographic situation	Remarks
68	--	180	e/	C,W	D,S	Flat	20 feet of iron casing at bottom. Reported water from gravel.
69	--	24	e/	C,W	D,S	Edge of sink	Reported 3 feet of gravel at bottom.
70	--	130	e/	C,W	D,S	Flat	Reported strong supply.
71	0.4	96.2	Feb. 6, 1939	C,H	N	Near draw	
72	--	200	e/	C,W	D,S	Edge of sink	Reported strong supply. Water from sand.
73	--	335	e/	C,W	D,S	Flat	Estimated yield, 2 gallons a minute.
74	--	206	e/	C,W	D,S	Near sink	Do.
75	--	210	e/	C,W	D,S	do.	Reported yield, 2 gallons a minute.
76	0.3	104.8	Nov. 17, 1938	None	N	Flat	Located .1 mile south of dry sink.
84	0.4	202.4	Jan. 16, 1939	C,W	D,S	do.	Water level measured while windmill pumping about 2 gallons a minute.
85	--	205	e/	C,W	D,S	Near sink	Estimated yield, 2 gallons a minute from sand.
86	--	200	e/	C,W	D,S	--	Do.
93	0.6	12.2	Oct. 2, 1937	C,W	D,S	Flat	Located on south side of White River Mills Bennett lease.
98	--	Flows	Nov. 7, 1938	None	N	River bottoms	Measured flow, 216 gallons a minute.
99	--	150	e/	C,W	D,S	Near sink	Estimated yield, 2 gallons a minute.
100	--	200	e/	C,W	D,S	--	Reported weak supply.
101	1	214.1	Feb. 18, 1939	C,W	N	Flat	
102	3	212.3	do.	C,W	D,S	do.	Estimated yield, 2 gallons a minute from sand.
103	--	240	e/	C,W	D,S	do.	Located 0.2 mile northwest of dry lake.
104	1.8	220.3	Dec. 5, 1938	C,W	D,S	--	Estimated yield, 2 gallons a minute.
110	--	200	e/	C,W	D,S	Edge of sink	Do.
111	0.4	242.2	Nov. 14, 1938	C,W	D,S	Edge of canyon	Do.
112	--	242	e/	C,W	D,S	Edge of sink	Leaking casing prevented accurate water level measurement.
113	--	223.2	Nov. 14, 1938	C,W	D,S	Edge of Cap Rk.	Estimated yield, 2 gallons a minute from sand.
114	--	Flows	Nov. 8, 1938	None	S	Hillside	Estimated flow, 4 gallons a minute from seeps in sand.
115	--	Flows	do.	None	S	Below scarp	Estimated flow, 10 gallons a minute from many seeps in sand.
116	--	Flows	do.	None	S	Creek bottoms	Estimated flow, 1 to 2 gallons a minute from one opening in sand.

Records of wells and springs in Crosby County--Continued

No.	Distance from Crosbyton	Section or labor	Survey and block, or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
117	7 miles northeast	sec. 4, NW¼SW¼	C. U. Connelly sur.	C. C. Jones	--	Old	290+	--
118	7½ miles northeast	sec. 1, NW¼NE¼	B.S. & F. sur.	Robertson & Case	--	1915	335	--
119	8½ miles northeast	sec. 7, SW¼SW¼	M.E.P.& P.R.R. sur.	W. E. Russell	--	Old	200	--
120	9½ miles northeast	sec. 4, SE¼SE¼	do.	C. A. McClure	Jack Klemitt	1925	298	--
121	do.	sec. 4, NW¼NW¼	do.	T. W. Stockton	--	Old	375	5
d/122	11 miles northeast	SE¼SE¼	R. Reed sur.	Amicable Life Ins.Co.	--	Old	230	--
123	11½ miles northeast	NW¼NE¼	do.	do.	--	Old	246	--
d/146	12 miles northeast	sec. 1, SW¼SE¼	H.T.& B.R.R. sur.	S. M. Crawford	--	Old	245	--
147	12½ miles north	sec. 28, NE¼NE¼	M.E.P.& P.R.R. sur.	B. Robinson	--	Old	250	--
148	13½ miles northeast	sec. 5, NE¼NE¼	Susan Sallie sur.	Alliance Life Ins.Co.	--	--	230	--
149	14½ miles northeast	sec. 4½ SE¼SE¼	A. B. & M. sur.	N. Hunsucher	--	Old	263	--
150	12½ miles northeast	sec. 8, SW¼SW¼	Susan Sallie sur.	F. B. Bryan Est.	--	Old	252	--
151	13½ miles northeast	sec. 8½ NW¼NW¼	blk. H, A. B. & M. sur.	T. H. Roberts	--	--	262	4
206	11 miles northeast	sec. 5, NE¼NW¼	M.E.P.& P.R.R. sur.	N. J. Bell Est.	--	Old	213	--
207	10 miles northeast	sec. 11, NE¼NE¼	blk. A, John Gibson sur.	C. B. Leatherwood	--	1920	300+	--
208	12 miles northeast	sec. 17, NE¼NE¼	do.	J. R. Robertson	--	1917	286	4
209	10½ miles east	sec. 4, SW¼NE¼	B. S. & F. sur.	J. P. Williams	--	Old	300	4½
d/220	do.	sec. 1, NW¼NW¼	W. R. Gamble sur.	Leatherwood Public School	--	--	276	4½
221	do.	sec. 1, SW¼NW¼	do.	R. E. Crausbay	--	Old	251	4
222	10 miles east	sec. 16, SE¼SE¼	C. U. Connelly sur.	W. W. McCracken	--	1928	318	5
d/223	8 miles east	sec. 30, NE¼SE¼	blk. 28 H.& G.N.R.R.sur.	Couch & English	--	--	Spring	--
d/234	8½ miles east	sec. 10, NW¼NW¼	C. U. Connelly sur.	J. G. Taylor	--	Old	277	--
244	do.	sec. 8, NE¼NE¼	do.	J. R. Miller	--	Old	300+	4
245	7½ miles northeast	sec. 1, NE¼NW¼	B. S. & F. sur.	Lois E. Fowler	--	Old	365	--
254	6½ miles east	sec. 6, NW¼NE¼	C. U. Connelly sur.	F. B. Bryan Est.	--	Old	290	--
255	do.	sec. 31, SE¼SW¼	blk. 28 H.& G.N.R.R.sur.	Couch & English	--	--	Spring	--

Carl B. Mueller, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Topographic situation	Remarks
117	0.7	234.6	Mar. 4, 1939	C,W	D,S	Flat	Located 0.1 mile southwest of dry lake. Estimated yield, 2 gallons a
118	--	290	e/	C,W	D,S	do.	Located 0.1 mile northwest minute. of dry lake. Estimated yield, 2
119	--	176	e/	C,W	D,S	Edge of sink	Estimated yield, gallons a minute. 2 gallons a minute.
120	--	198	e/	C,W	D,S	--	Estimated yield, 2 gallons a minute from coarse-grained sand, 290 to 298
121	--	270	e/	C,W	D,S	Edge of canyon	Estimated yield, 2 gallons a feet. minute from sand.
122	0.8	196.7	Dec. 1, 1938	None	N	Flat	Located 0.3 mile north of dry lake.
123	0.8	204.6	Feb. 24, 1939	C,G, --	D,S	do.	Estimated yield, 6 gallons a minute.
146	1	210.8	Nov. 5, 1938	None	N	--	Water level, 210.9 feet below measuring point, Feb. 23, 1939.
147	--	210	e/	C,W	D,S	Flat	Estimated yield, 2 gallons a minute.
148	1	207.5	Dec. 10, 1938	C,W	D,S	Edge of sink	Do.
149	0.8	237.4	do.	C,W	D,S	Flat	Do.
150	0.5	218.1	Nov. 30, 1938	C,W	D,S	--	Do.
151	1.3	230.0	Dec. 6, 1938	C,W	D,S	Gentle slope	Do.
206	--	209	e/	C,W	D,S	--	Estimated yield, 2 gallons a minute from sand.
207	--	280	e/	C,W	D,S	--	Do.
208	--	240	e/	C,W	D,S	--	Do.
219	--	280	e/	C,W	D,S	Flat	Do.
220	1.6	261.8	Nov. 16, 1938	C,W	D,S,P	Gentle slope	Steel casing.
221	--	146	e/	C,W	D,S	Edge of sink	Estimated yield, 2 gallons a minute from sand.
222	--	278	e/	C,W	D,S	Flat	Cased to bottom.
223	--	Flows	Nov. 7, 1938	None	N	River bottoms	Measured flow, 850 gallons a minute.
234	1	257.9	Nov. 16, 1938	None	N	Flat	Water level, 258.7 feet below measuring point, Mar. 6, 1939.
244	0.8	282.9	Nov. 30, 1938	C,W	D,S	--	Estimated yield, 2 gallons a minute from sand.
245	--	285	e/	C,W	D,S	Edge of sink	Do.
254	--	240	e/	C,W	D,S	do.	Do.
255	--	Flows	Nov. 9, 1938	None	S	Bottom canyon	Measured flow, 8½ gallons a minute from many seeps in crossbedded sand stone.

Records of wells and springs in Crosby County--Continued

No.	Distance from Crosbyton	Section or labor	Survey and block, or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
256	5½ miles east	sec. 32, SW¼NW¼	blk. 28, H.& G.N.R.R.sur.	Couch & English	--	--	Spring	--
257	do.	sec. 21, NW¼NW¼	do.	Alice Ballowe	--	--	Spring	--
d/258	5 miles east	sec. 27, SE¼SE¼	do.	do.	--	--	Spring	--
259	4¾ miles east	sec. 27, NW¼NE¼	do.	do.	--	--	Spring	--
260	do.	sec. 33, NE¼SW¼	do.	Couch & English	--	--	Spring	--
d/261	do.	sec. 33, SE¼NW¼	do.	do.	--	--	23	--
d/262	4½ miles east	sec. 33, NW¼NW¼	do.	do.	--	--	Spring	--
d/263	do.	sec. 37, SE¼SE¼	do.	do.	--	--	Spring	--
264	3½ miles northeast	sec. 42, NE¼SW¼	do.	J. S. Bridwell	--	--	Spring	--
d/265	2 miles northeast	sec. 2, SW¼SE¼	J. M. Bassett sur.	M. D. Sanders	--	--	273	--
266	3¼ miles east	sec. 34, SW¼SW¼	blk. 28, H.& G.N.R.R.sur.	G. C. Fargus	--	Old	149	--
267	2¼ miles east	sec. 25, NW¼SW¼	do.	G. T. Heath	--	1917	285	--
269	1½ miles southeast	lot 18, NW¼NW¼	E. L. Breeding sur.	H. H. Perser	--	--	225	--
270	In Crosbyton	--	--	City of Crosbyton	L. A. Peeples	1938	312	10
271	do.	lot 15 F SE¼SW¼	R. L. Breeding sur.	do.	do.	1938	301	10
272	do.	lot 15 F SW¼SW¼	do.	do.	Ed. Ballard	1930	286	8
d/277	1½ miles northwest	lot 4, SE¼SW¼	blk. 4, J. M. Bassett sur.	B. F. Lackey	--	Old	251	--
d/278	1½ miles north	lot 13, NW¼SW¼	blk. 3, J. M. Bassett sur.	Continental Life Ins. Co.	--	Old	242	--
d/293	3½ miles northwest	lot 3, NE¼NE¼	John Gibson sur.	Emma Green	--	Old	246	--
301	4½ miles west	sec. 15, NW¼NE¼	blk. 1 I.& G.N.R.R.sur.	Hattie Spellings	--	Old	175	--
302	5½ miles west	sec. 16, NW¼NE¼	do.	B. F. Lackey	--	--	172	--
303	6 miles west	sec. 16, SW¼SW¼	do.	R. McCarty	--	Old	168	--
d/319	6½ miles west	SE¼NW¼	lge. 2, Morris C.S.L.	W. F. McLaughlin	--	--	164	--
324	5½ miles west	sec. 4, SW¼SW¼	John Gibson sur.	Ralls Estate	--	--	178	--
325	6 miles west	sec. 1, SW¼SW¼	do.	Mrs. E. R. Krolle	John H. Moses	1915	180	--
326	4¼ miles west	sec. 2, SE¼SE¼	do.	J. S. Moore	--	Old	195	--
327	6 miles northwest	sec. 3, SE¼SE¼	blk. B	Cora Reed	--	Old	153	--

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Topographic situation	Remarks
256	--	Flows	Nov. 9, 1938	None	S	Bottom canyon	Estimated flow, 11 gallons a minute from seeps in sandstone.
257	--	Flows	do.	None	S	do.	Estimated flow, 15 gallons a minute from seeps in sandstone.
258	--	Flows	do.	None	S	do.	Do.
259	--	Flows	do.	None	S	do.	Measured flow, 70 gallons a minute from many seeps in sand.
260	--	Flows	do.	None	D,S	Hillside	Estimated flow, 4 gallons a minute from seeps in soil.
261	0.5	17.0	Jan. 16, 1939	C,H	N	River bottoms	Dug well. Estimated yield, 1 gallon a minute from sand.
262	--	Flows	Nov. 8, 1938	None	N	Bottom canyon	Estimated flow, 20 gallons a minute from sand and conglomerate.
263	--	Flows	do.	None	S	Creek bed	Estimated flow, 4 gallons a minute from flat marshy ground.
264	--	Flows	do.	None	S	Hillside	Estimated flow, 3 gallons a minute from seeps in sand.
265	1	242.7	Nov. 14, 1938	None	N	Flat	Water level, 242.9 feet below measuring point, Mar. 6, 1939.
266	1.6	130.5	do.	C,W	S	Bottom canyon	Estimated yield, 2 gallons a minute.
267	--	250	e/	C,W	D,S	Flat	Do.
269	--	190	e/	C,W	D,S	do.	Do.
270	--	208	e/	T,E, --	P	Edge of sink	Measured yield, 300 gallons a minute. See log.
271	--	200	e/	T,E, 40	P	--	Reported yield, 250 gallons a minute. See log.
272	--	260	e/	T,E, 25	P	Flat	Reported yield, 240 gallons a minute.
277	0.8	200.4	Nov. 28, 1938	None	N	do.	Water level, 200.1 feet below measuring point, Mar. 7, 1939.
278	0.8	195.4	Mar. 4, 1939	None	N	Gentle slope	Located 0.2 mile south of dry lake.
293	0.3	171.3	Dec. 9, 1938	None	N	Flat	Water from sand.
301	--	150	e/	C,W	D,S	Edge of sink	Estimated yield, 2 gallons a minute from sand.
302	--	157	e/	C,W	D,S	Near sink	Estimated yield, 1 gallon a minute from sand.
303	1.9	147.2	Nov. 2, 1938	C,W	D,S	Edge of sink	Reported strong supply.
319	--	138.3	do.	None	N	Top of ridge	Located 0.5 mile southeast of large sink.
324	--	160	e/	C,W	D,S	Flat	Estimated yield, 2 gallons a minute from sand.
325	--	150	e/	C,W	D,S	do.	Do.
326	0.5	184.5	Nov. 1, 1938	C,W	D,S	do.	Water level measured while windmill pumping.
327	0.8	241.8	Dec. 15, 1938	C,W	D,S	Near sink	Estimated yield, 2 gallons a minute.

Records of wells and springs in Crosby County--Continued

No.	Distance from Crosbyton	Section or labor	Survey and block, or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
d/328	8½ miles west	Ralls townsite	lge. 1, Morris C. S. L.	City of Ralls	--	--	225	12
d/329	do.	do.	do.	do.	--	--	300	8
d/330	10 miles west	sec. 112, SE¼SE¼	D. & S. E. sur.	Mrs. Jennie Way	--	Old	182	--
331	do.	lab. 3, NE¼NE¼	lge. 4, Morris C. S. L.	-- Ernest Est.	--	Old	146	--
332	11½ miles west	sec. 2, SW¼SW¼	E.L.& R.R. R.R., sur.	H. C. McMillian	--	Old	112	--
335	9½ miles west	lab. 21, NE¼NE¼	lge. 3, Morris C. S. L.	Dolly M. Ralls	--	Old	160	--
d/336	13½ miles west	sec. 922, NE¼NE¼	blk. C-3	Leslie Mitchell	--	--	119	5
d/337	14½ miles west	sec. 925, NW¼NE¼	do.	W. E. McLaughlin	--	--	100	5
d/338	15 miles west	sec. 925, NW¼NW¼	do.	do.	--	Old	105	5
d/340	14½ miles west	sec. 2, NW¼NE¼	do.	T. M. Scott	--	--	--	--
341	13 miles west	sec. 918, NW¼NW¼	do.	G. A. Lindsay	--	Old	110	--
342	13½ miles west	sec. 891, SW¼SW¼	do.	Pleasant Hill School	--	1928	112	5
343	15½ miles west	sec. 908, SW¼NW¼	do.	S. W. Life Ins. Co.	--	1920	144	5
d/350	17 miles west	sec. 43, SE¼SE¼	blk. C	Carl Scoggins	H. H. Virdell	1937	252	--
d/351	do.	sec. 44, NW¼NE¼	do.	S. E. Black	-- Peeples	1927	255	12
d/352	16½ miles west	NW¼S½	H. F. Pearson sur.	W. L. Pearson	--	1937	255	16
d/401	17 miles west	sec. 45, SE¼NE¼	blk. C	T. G. Hendricks	--	Old	79	--
d/412	16 miles west	sec.1,074, NW¼NW¼	blk. C-3	Westerman & Williams	--	--	--	--
413	15 miles west	sec. 4, SE¼SW¼	do.	F. E. Pearson	--	Old	131	--
d/414	16 miles west	sec.1,074, SE¼SW¼	do.	Westerman & Williams	--	Old	131	--
415	17½ miles west	sec. 47, SE¼NE¼	blk. C	H. G. Hendricks	--	Old	96	--
d/416	do.	sec. 17, W½W½	blk. H, C. D. Ham sur.	G. W. Parchman	--	Old	131	--
417	16 miles southwest	sec.1,057, SE¼SE¼	blk. 1, H.& O.B.R.R.sur.	H. Dinguid	--	Old	187	--
418	18½ miles southwest	sec.1,052, NE¼SE¼	do.	H. C. Pearson	--	Old	115	--
419	17½ miles southwest	sec.1,054, NE¼NE¼	do.	S. L. Forest	--	1928	130	--

a/ Measuring point was usually top of casing, top of pipe clamp or top of well curb.
b/ C, cylinder; T, turbine; Cf, centrifugal; W, windmill; G, gasoline; E, electric; H, hand.

Carl B. Mueller, Project Superintendent

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Topographic situation	Remarks
328	--	125	e/	T,E, --	P	Flat	Steel casing, perforated at bottom. Pump set at 209 feet.
329	--	120	e/	T,E, --	P	do.	Steel casing perforated at bottom. Pump set at 215 feet. Reported yield, 150 gallons a minute from
330	0.1	124.2	Nov. 1, 1938	C,W	N	--	Water level, fine-grained red sand. 123.7 feet below measuring point,
331	1	119.0	do.	C,W	D,S	Flat	Estimated yield, 2 Mar. 9, 1939. gallons a minute from sand.
332	0.5	110.6	do.	C,W	D,S	do.	Water level measured while windmill pumping about 2 gallons a minute.
335	--	155	e/	C,W	D,S	Edge of sink	Estimated yield, 2 gallons a minute from sand.
336	0.5	89.1	June 14, 1938	None	N	Gentle slope	Concrete curb; no casing.
337	0.1	88.8	Sept.30, 1938	None	N	do.	Do.
338	0.4	90.2	June 14, 1938	None	N	Flat	Do.
340	--	--	--	T,I, --	I	Gentle slope	
341	0.5	81.5	Oct. 28, 1938	C,W	D,S	Flat	Water level measured while windmill pumping about 2 gallons a minute.
342	0.3	84.9	Oct. 17, 1938	C,W	D,S,P	Top of ridge	Reported strong supply.
343	--	90	e/	C,W	D,S	Flat	Reported 50 feet of iron casing at top.
350	--	--	--	T,G, 85	I	Gentle slope	Galvanized casing, surface to 270 feet. Pump set at 120 feet; 30 feet
351	--	80	e/	T,G, 60	I	do.	Reported drawdown, of suction pipe. 25 feet after pumping 1,000 gallons
352	--	92	e/	T,G, 60	I	do.	Reported draw- a minute for 1 hour. down, 30 feet after pumping 800 gal-
401	0.4	74.6	Jan. 3, 1939	None	N	Near sink	Water lons a minute for 3 hours. level, 74.7 feet below measuring
412	--	--	--	T,-, --	Ind	--	point, Feb. 7, 1939.
413	1.0	98.3	Jan. 4, 1939	C,W	S	Hilltop	Estimated yield, 2 gallons a minute from sand.
414	0.3	97.7	Jan. 26, 1939	C,W	N	Flat	
415	0.6	85.8	Jan. 3, 1939	C,W	D,S	Near sink	Estimated yield, 2 gallons a minute from sand.
416	1.3	87.1	Feb. 7, 1939	None	N	Hilltop	Water from sand.
417	0.6	126.7	Jan. 20, 1939	C,W	D,S	--	Water level measured while windmill pumping about 2 gallons a minute from
418	0.7	95.1	Jan. 3, 1939	C,W	D,S	Flat	Estimated yield, 2 gallons a sand. minute.
419	--	112	e/	C,W	D,S	Rolling	Estimated yield, 1 gallon a minute from sand.

a/ D, domestic; S, stock; I, irrigation; P, public; N, not used.
c/ No water sample collected for analysis.
e/ Water level reported.

Records of wells and springs in Crosby County--Continued

No.	Distance from Crosbyton	Section or labor	Survey and block, or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
420	19 miles southwest	sec.1,042, NE¼SE¼	blk. 1, H.& O.B.R.R.sur.	J. A. Wheeler	--	1938	185	5
421	16½ miles southwest	sec.1,045, NE¼NE¼	do.	Ella Mae Blanton	--	Old	143	--
422	15 miles southwest	sec.1,009, NE¼NE¼	blk. C-3	S. M. Brown	--	--	150	--
d/ 423	14 miles southwest	sec.1,005, NW¼SW¼	do.	A. B. Terrell	--	--	137	--
432	13 miles west	sec.1,003, NE¼NE¼	do.	E. C. Bryant	--	--	143	--
433	11 miles west	sec. 9, SE¼SW¼	B. S. & F. sur.	E. R. Henry	--	Old	132	--
d/ 434	9 miles west	sec. 2, SE¼NW¼	blk. 1, H.& O.B.R.R.sur.	C. O. Taylor	--	--	130	--
435	11½ miles southwest	sec. 4, NE¼NW¼	T.W.N.G.R.R.sur.	C. E. Green	--	Old	200	--
d/ 436	13 miles southwest	sec. 3, SW¼SW¼	do.	General American Life Ins. Co.	--	Old	151	--
d/ 437	12½ miles southwest	sec. 5, SW¼SW¼	do.	J. S. Cox	--	Old	155	--
d/ 438	11½ miles southwest	sec. 3, W½W½	blk. H, W. F. Ezell,sur.	Claud Tatum	--	--	124	--
439	do.	sec. 22, SW¼SE¼	do.	J. S. Neely	--	Old	158	--
444	12½ miles southwest	lab. 24, NW¼SW¼	lge. 3, Stephens C.S.L.	C. R. Bishop	--	Old	182	--
d/ 445	do.	lab. 23, SW¼SW¼	do.	T. B. Owens	--	Old	175	2
446	14½ miles southwest	sec.809, NE¼NE¼	blk. C-3	R. E. Lewis	--	1925	190	4
447	13 miles southwest	sec. 801, SE¼SE¼	do.	T. B. Owens	--	--	173	--
448	12 miles southwest	sec.1,014, NW¼NE¼	--	Con Parrish	--	--	212	--
449	11½ miles southwest	lab. 20, NW¼NW¼	lge. 3, Stephens C.S.L.	J. A. Evatt	--	Old	187	--
450	9½ miles southwest	lab. 21, SE¼SW¼	lge. 2, Stephens C.S.L.	B. E. Perkins	--	1929	174	--
451	9 miles southwest	lab. 16, NE¼NE¼	do.	H. C. Kay	--	Old	172	--
462	8 miles southwest	lab. 5, NW¼NW¼	do.	W. A. Elam	--	Old	174	--
463	7 miles southwest	sec. 2, SE¼NE¼	blk. 1, A. B. & M. sur.	Dallas Joint Stock Land Bank	--	Old	160	--
d/471	do.	sec. 9, NW¼NW¼	blk. 1, I.& G.N.R.R.sur.	J. M. Rankin	--	Old	165	--
d/485	6 miles southwest	sec. 11, NW¼SE¼	do.	A. P. Couch	--	Old	166	--
d/486	7 miles southwest	sec. 5, SW¼NW¼	do.	C. R. Smith	--	--	195	8
487	8½ miles southwest	lab. 5, NW¼NW¼	lge. 1, Stephens C.S.L.	G. W. Basinger	--	--	175	--
d/488	8 miles southwest	lab. 6, NE¼NE¼	do.	T. B. Owens	--	--	155	--

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Topographic situation	Remarks
42	--	12	e/	C,W	D,S	Rolling	Steel casing to bottom. Struck water at 135 feet.
421	0.8	127.6	Jan. 3, 1939	C,W	D,S	--	Reported weak supply.
422	0.5	139.2	Jan. 2, 1939	C,W	D,S	Flat	Estimated yield, 2 gallons a minute from sand.
423	0.4	124.8	do.	C,W	N	do.	Do.
452	0.2	96.6	Jan. 4, 1939	C,W	D,S	do.	Do.
453	1.3	115.0	Jan. 24, 1939	C,W	D,S	Hilltop	Do.
454	0.5	112.4	do.	C,W	D,S	Edge of sink	Do.
455	--	140	e/	C,W	D,S	Flat	Located 0.5 mile north of sink. Reported strong supply.
436	0.8	123.8	Jan. 20, 1939	C,W	N	do.	Water from sand.
437	0.4	124.6	Jan. 19, 1939	None	N	Near sink	
438	0.2	111.4	Jan. 24, 1939	None	N	Flat	
439	0.9	131.5	Jan. 18, 1939	C,W	D,S	Near sink	Estimated yield, 2 gallons a minute from sand.
444	--	152	e/	C,W	D,S	Flat	Reported did not fail when pumped with tractor. Water from quicksand.
445	4.4	161.4	Jan. 25, 1939	None	N	--	
446	--	150	e/	C,W	D,S	Flat	Estimated yield, 2 gallons a minute from sand.
447	0.6	162	Jan. 25, 1939	C,W	D,S	Near sink	Water level measurement questionable
448	0.8	168.5	do.	C,W	D,S	--	Water level measured while windmill pumping about 2 gallons a minute. Survey located south of Stephens Co.
449	--	165	e/	C,W	S	Flat	Estimated yield, 2 gallons a minute. S.L.
450	--	154	e/	C,W	D,S	do.	Do.
451	--	144	e/	C,W,	D,S	do.	Do.
462	0.4	154.8	Jan. 21, 1939	C,W	D,S	do.	Do.
463	--	140	e/	C,W	D,S	--	Do.
471	1.0	149.9	Jan. 25, 1939	None	N	Edge of sink	
485	0.3	149.6	Jan. 21, 1939	C,H	N	do.	Estimated yield, ½ gallon a minute from sand.
486	--	185	e/	C,W	D,S	--	Reported strong supply.
487	--	160	e/	C,W	D,S	Near lake	Estimated yield, 2 gallons a minute.
488	--	--	--	None	N	--	Filled with sand when visited, Dec. 28, 1938.

Records of wells and springs in Crosby County--Continued

No.	Distance from Crosbyton	Section or labor	Survey and block, or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
489	9 miles south	sec. 8, NE¼SW¼	blk. 3 W. C. R. R. sur.	H. E. Marsh	--	Old	220	--
490	8½ miles south	sec. 27, NE¼SE¼	blk. 2 W. C. R. R. sur.	G. E. Huddleson	--	--	217	--
d/508	5 miles southwest	sec. 32, NE¼NE¼	do.	N. K. Dupre	--	--	270	--
509	5½ miles south	sec. 21, NW¼SW¼	do.	S. Smith Est.	--	1910	256	--
510	7 miles south	sec. 20, SE¼SW¼	do.	R. C. Ellison	--	Old	204	--
511	8½ miles south	sec. 8, NE¼SW¼	do.	Morgan Jones	--	--	298	5
529	5 miles south	sec. 14, SE¼NE¼	do.	J. W. Betram	--	--	265	--
d/538	3 miles south	sec. 5, NW¼NE¼	B. S. & F. sur.	C. I. Sieber	--	Old	246	--
d/539	4½ miles southeast	sec. 2, SE¼NE¼	do.	H. E. Sherwood	--	1925	287	5
540	5 miles southeast	sec. 10, NE¼SW¼	blk. 28, H.& G.N.R.R.sur.	O. Davidson	--	--	Spring	--
d/541	6 miles southeast	sec. 6, SW¼NW¼	do.	Mrs. M. E. Mitchell	--	--	Spring	--
542	6½ miles southeast	sec. 6, SW¼SW¼	do.	do.	--	--	Spring	--
d/543	6 miles southeast	sec. 7, SE¼SE¼	do.	do.	--	--	58	--
544	8 miles southeast	sec.143, SE¼NW¼	blk. 2, H.& G.N.R.R.sur.	Morgan Jones Est.	--	--	Spring	--
d/545	8½ miles southeast	sec.144, NE¼NW¼	do.	do.	--	--	Spring	--
546	7½ miles south	sec. 5, SE¼NW¼	blk. 2, W. C. R. R. sur.	do.	--	--	Spring	--
547	9½ miles south	sec. 1, cen.S½	A. W. Hudson sur.	do.	--	--	Spring	--
548	12 miles south	sec.109, SE¼SW¼	blk. 8, H.& G.N.R.R.sur.	do.	--	--	Spring	--
549	13 miles southeast	sec.120, SE¼SW¼	blk. 2, H.& G.N.R.R.sur.	do.	--	--	Spring	--
550	13½ miles southeast	sec.114, SW¼NW¼	do.	do.	--	--	Spring	--
551	17 miles southeast	sec. 6, NW¼NW¼	H. C. Peterson sur.	H. C. Peterson	--	Old	47	4
d/552	17½ miles south	sec. 80, SE¼SW¼	blk. 2, H.& G.N.R.R.sur.	C. Parsons	--	Old	9	4
553	17 miles south	sec. 76, SE¼SE¼	blk. 8, H.& G.N.R.R.sur.	J. W. Grizzle	--	1921	31	30
554	15½ miles south	sec. 85, NW¼NW¼	do.	Swenson & sons	--	Old	35	--
555	19½ miles southwest	sec.1,106, SW¼SW¼	T. T. R. R. sur.	Guy Price	--	--	Spring	--
556	22½ miles southwest	sec. 1, SE¼SE¼	blk. 1, K. Aycock sur.	Mrs. Eloise Cantor	--	--	Spring	--
557	23 miles southwest	sec. 3, SW¼SE¼	do.	do.	--	--	Spring	--

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Topographic situation	Remarks
489	--	190	e/	C,W	S	Edge of sink	Estimated yield, 2 gallons a minute.
490	1.3	198.8	Dec. 19, 1938	C,W	D,S	Center of sink	Do.
508	--	250	e/	C,W	D,S	Flat	Do.
509	--	200	e/	C,W	D,S	Near sink	Do.
510	1.6	197.8	Dec. 15, 1938	C,W	D,S	Flat	Do.
511	2.2	265.9	Nov. 15, 1938	C,W	S	Near sink	Steel casing. Reported strong supply
529	--	235	e/	C,W	D,S	Flat	Estimated yield, 2 gallons a minute from sand.
538	1	209.6	Dec. 15, 1938	None	N	--	
539	0.8	250.0	Nov. 15, 1938	C,W	D,S	Near scarp	Steel casing.
540	--	Flows	Nov. 9, 1938	None	S	Bottom canyon	Measured flow, 45 gallons a minute from many seeps in sand.
541	--	Flows	Nov. 10, 1938	None	S	Side of canyon	Estimated flow, 5 gallons a minute from sandstone.
542	--	Flows	do.	None	S	Bottom canyon	Estimated flow, 10 gallons a minute from seeps in sandstone.
543	0	46.9	do.	C,W	D,S	Near draw	Estimated yield, 2 to 5 gallons a minute from sandstone.
544	--	Flows	Nov. 16, 1938	None	S	Bottom canyon	Measured flow, 34 gallons a minute from seeps in sandstone. Known as
545	--	Flows	do.	None	S	do.	Estimated flow, 15 "Cold Springs". gallons a minute from seeps in sand-
546	--	Flows	Nov. 12, 1938	None	S	do.	Estimated flow, 2 gallons a stone. minute from seeps in sandstone.
547	--	Flows	Nov. 14, 1938	None	D,S	do.	Measured flow, 55 gallons a minute from seeps in sandstone. Known as
548	--	Flows	Dec. 29, 1938	None	S	do.	Estimated "Headquarters Spring." flow, 2 gallons a minute from seeps
549	--	Flows	Nov. 12, 1938	None	S	do.	Estimated in shale and sandstone. flow, ½ gallon a minute from seeps
550	--	Flows	do.	None	S	do.	Do. in sandy shale.
551	0.7	38.1	Dec. 29, 1938	C,W	D,S	In draw	Estimated yield, 2 gallons a minute from sand.
552	2.0	7.2	Dec. 22, 1938	None	N	do.	
553	--	24	e/	C,W	D,S	do.	Dug well. Cased to bottom with corrugated iron. Water from sandstone.
554	2.2	22.5	Dec. 22, 1938	C,W	S	Rolling	Estimated yield, 2 gallons a minute.
555	--	Flows	Oct. 6, 1938	None	S	Bottom canyon	Estimated flow, ⅛ gallon a minute from seeps in sand and gravel.
556	--	Flows	Sept. 29, 1938	None	S,I	Creek bottoms	Estimated flow, 300 gallons a minute reported creek bed cuts water table.
557	--	Flows	do.	None	S	do.	Estimated flow, 25 to 30 gallons a minute; hydraulic ram pumps water to storage tank.

Records of wells and springs in Crosby County--Continued

No.	Distance from Crosbyton	Section or labor	Survey and block, or league	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
558	16½ miles southwest	sec. 1, NW¼SW¼	blk. 2, D.& S.E.R.R.sur.	H. T. Cole	--	--	Spring	--
559	16 miles southwest	sec. 5, N½SE¼	do.	W. D. Collier	--	--	Spring	--
560	15½ miles southwest	sec. 5, SW¼NE¼	do.	do.	--	--	Spring	--
561	16 miles southwest	sec. 5, SW¼NW¼	do.	do.	--	--	Spring	--
d/562	do.	sec. 812, SE¼NE¼	blk. C-3	D. Graham	--	--	210	--
563	17 miles southwest	sec. 9, NW¼SE¼	blk. 2, D.& S.E.R.R.sur.	C. M. Woodward	--	--	180	--
564	19½ miles southwest	sec. 1, NE¼SE¼	blk. 2, K. Aycock sur.	Mrs. Eloise Cantor	--	--	Spring	--
565	21 miles southwest	sec. 15, SE¼SW¼	blk. B-9 E.L.& R.R.R.R.sur.	do.	--	--	Spring	--
566	19 miles southwest	sec. 12, SE¼SE¼	blk. D-19	do.	--	--	Spring	--
567	do.	sec. 12, NE¼NW¼	blk. D-19 K. Aycock sur.	do.	--	--	Spring	--
568	18½ miles southwest	sec.1,035, NE¼SE¼	blk. C-3	do.	--	--	Spring	--
569	20 miles southwest	sec. 10, SE¼SE¼	blk. D-19,	do.	--	--	Spring	--
570	20½ miles southwest	sec. 9, SE¼SE¼	do.	do.	--	--	Spring	--
571	21½ miles southwest	sec. 14, SE¼SW¼	do.	do.	--	--	Spring	--
572	22 miles southwest	sec. 7, NE¼NW¼	blk. B-9 E.L.& R.R.R.R.sur.	do.	--	--	Spring	--
573	21½ miles southwest	sec. 14, SW¼NW¼	blk. D-19	do.	--	--	Spring	--
d/574	do.	sec. 6, SE¼SE¼	blk. B-9 E.L.& R.R.R.R.sur.	do.	--	--	Spring	--
d/575	22½ miles southwest	sec. 5, NW¼SW¼	do.	do.	El Capitan Oil Co.	1927	3,510	--
d/576	21½ miles southwest	sec. 9, NE¼NE¼	do.	do.	--	--	Spring	--

a/ Measuring point was usually top of casing, top of pipe clamp or top of well curb.
b/ C, cylinder; T, turbine; Cf, centrifugal; W, windmill; G, gasoline; E, electric; H, hand.

No.	Height of measuring point above ground (ft.) a/	Water level: Depth below measuring point (ft.)	Water level: Date of measurement	Pump and power b/	Use of water c/	Topographic situation	Remarks
558	--	Flows	Oct. 6, 1938	None	D	Creek bottoms	Estimated flow, 2 to 3 gallons a minute from seeps in sand.
559	--	Flows	do.	None	S	Bottom canyon	Estimated flow, ¼ gallon a minute from coarse conglomerate.
560	--	Flows	do.	None	S	do.	Estimated flow, ½ gallon a minute from fine-grained red sandstone.
561	--	Flows	do.	None	S	Head of canyon	Estimated flow, 15 to 20 gallons a minute from many openings in sand
562	--	160	Jan. 18, 1939	C,W	D,S	Sand dunes	Estimated yield, 2 and gravel. gallons a minute from sand.
563	--	150	e/	C,W	D,S	Flat	Estimated yield, 1 gallon a minute from sand.
564	--	Flows	Oct. 5, 1938	None	S	Bottom ravine	Estimated flow, ½ gallon a minute from gravel and sand. Known as
565	--	Flows	Sept.29, 1938	None	S	Hillside	Estimated flow, "Hackberry Spring." 15 gallons a minute from seeps in gravel. Known as "Headquarters
566	--	Flows	Oct. 5, 1938	None	S	Head of draw	Estimated flow, 5 to 10 Spring," gallons a minute from seeps in sandstone. Known as "Logan Spring" or
567	--	Flows	do.	None	S	Creek bottoms	Estimated flow, 200 "Deep Hole." gallons a minute. Known as "Cotton-
568	--	Flows	do.	None	S	do.	Estimated flow, 5 wood Springs." gallons a minute from seeps in sand
569	--	Flows	do.	None	S	Head of draw	Estimated flow, 7 to and gravel. 8 gallons a minute from seeps in
570	--	Flows	Oct. 4, 1938	None	S	Bottom canyon	Estimated flow, 4 to 5 sandstone. gallons a minute from seeps in sand-
571	--	Flows	do.	None	S	Bed of creek	Slight flow from seeps in stone. gravel and sand.
572	--	Flows	do.	None	S	Head of draw	Estimated flow, 1 gallon a minute from seeps in sandstone.
573	--	Flows	do.	None	S	Side of draw	Estimated flow, 2 gallons a minute from many seeps in sandstone.
574	--	Flows	do.	None	S	Head of draw	Estimated flow, 1 gallon a minute from seeps in sandstone.
575	--	--	--	None	N	--	Oil test. See log.
576	--	Flows	Oct. 4, 1938	None	S	Side of draw	Estimated flow, 5 gallons a minute from seeps in sandstone. Known as "Pepper Spring."

c/ D, domestic; S, stock; I, irrigation; P, public; N, not used.
d/ No water sample collected for analysis.
e/ Water level reported.

Table of Drillers' Logs, Crosby County, Texas

	Thickness (feet)	Depth (feet)
Driller's log of well 270		
City of Crosbyton, in Crosbyton.		
Top soil	3	3
Hard white caliche	42	45
Soft red caliche	22	67
Sticky red clay	36	103
Sandy clay with streaks of hard shale	67	170
Hard sand rock	7	177
Red clay	31	208
Sand and white pebbles, water at 208 feet	37	245
Fine-grained yellow sand	15	260
Coarse-grained yellow sand	35	295
Boulders and blue shale	17	312
TOTAL DEPTH		312
Driller's log of well 271		
City of Crosbyton, in Crosbyton.		
Top soil	3	3
White caliche	37	40
Hard caliche	7	47
Sandy clay	40	87
Red joint clay	9	96
Fine-grained red sand	19	115
Sandy red clay	75	190
Red joint clay	10	200
Red sand with white clay balls	50	250
Coarse-grained yellow water sand	45	295
Yellow clay	6	301
TOTAL DEPTH		301
Driller's log of well 575		
El Capitan Oil Co., Mrs. Emma L. Robertson, et al, well 1, 22½ miles southwest of Crosbyton.		
Red shale	115	115
Brown shale	10	125
Red shale	145	270
Sand, 6 bailers water per hour	10	280
Red rock	105	385
Sand, hole full of water	50	435
Red shale	30	465
Sand, hole full of water	13	478
Blue shale	12	490
Lime	5	495
Red shale	95	590
Red beds	155	745
Brown shale	8	753
Water sand	8	761
Brown shale	9	770
Sandy lime	10	780
Red beds	25	805
Sandy brown shale	30	835
Water sand	25	860
Red beds	10	870
Sand	10	880
Sandy brown shale	20	900
Brown shale	12	912
Lime	8	920
Shale	10	930
Red beds	200	1130
Red beds and gravel	25	1155
Red beds	40	1195
Anhydrite	10	1205
Red limestone	65	1270
Salt	10	1280
Salt and lime	90	1370
Salt	140	1510
Salt and red rock	75	1585
Salt	65	1650
Red rock	180	1830
Red beds and salt	210	2040
Red rock	290	2330
Red beds	5	2335
Red rock	35	2370
Gypsum	20	2390
Red beds	40	2430
Red sand	5	2435
Red rock	35	2470
Anhydrite and lime	10	2480
Red rock	30	2510
Anhydrite	30	2540
Red rock	80	2620
Sand	15	2635
Dry sand	25	2660
Red sand	35	2695
Sand	35	2730
White sand, 2 bailers water per hour	35	2765
Gray lime	30	2795
Lime and anhydrite	35	2830
Calcareous sand, 2 bailers water per hour	30	2865
Gray lime	90	2955
Lime and anhydrite	25	2975
Lime	535	3510
TOTAL DEPTH		3510
CASING RECORD: 400 feet of 15½-inch		

Logs of test wells drilled by W. P. A. labor in Crosby County, Texas
Samples examined and classified by Carl B. Mueller
Project Superintendent

	Thickness (feet)	Depth (feet)
Well 2-A		
Flat, R. J. Goode ranch, NW¼NW¼ sec. 92, blk. C, 20½ miles northwest of Crosbyton.		
Surface soil	2	2
White chalky clay	4	6
Sandy red clay	9	15
Sandy red clay and chalk	3	18
Rock		18
October 24, 1938.		
Well 4-A		
Flat, S. D. Glover farm, NE¼NE¼ sec. 34, blk. C, 19 miles northwest of Crosbyton.		
Surface soil	4	4
White caliche	5	9
Red caliche	4	13
Sandy red clay	4	17
Tan-colored sandy clay	4	21
Rock		21
October 24, 1938		
Well 6-A		
Edge of sink, E. L. Hamilton ranch, NE¼ NE¼ sec. 25, blk. C, 19 miles northwest of Crosbyton.		
Surface soil	1	1
White chalk dust	4	5
Red clay and chalk	1	6
Sandy red clay	2	8
Rock		8
October 24, 1938		
Well 8-A		
Near sink, Sam McGill Est., NE¼NE¼ sec. 218, A. B. & M. survey, 18 miles northwest of Crosbyton.		
Surface soil	1	1
Red clay	1	2
Caliche	6	8
Sandy red clay	6	14
Rock		14
October 24, 1938		
Well 10-A		
Flat, J. C. Wood farm, NW¼NW¼ sec. 11, blk. C, 17 miles northwest of Crosbyton.		
Surface soil	3	3
White chalk dust	2	5
Sandy tan-colored clay and chalk rocks	5	10
Sandy red clay	1	11
Pink chalk dust	1	12
Sandy red clay	2	14
Sandy tan-colored clay and chalk rocks	5	19
Sandy red clay and chalk rocks	1	20
Rock		20
October 24, 1938.		
Well 12		
East side of sink, W. D. Aycock tract, NW¼NE¼ sec. 54, blk. C, 18 miles west of Crosbyton.		
Caliche	3	3
Sand, caliche, and chalk	3	6
Clay and chalk	2	8
Caliche	2	10
Red clay	3	13
Chalk and red clay	2	15
Yellow and red clay with chalk	2	17
Red clay	2	19
October 19, 1938.		
Well 13		
Flat, J. W. Catching tract, SE¼SE¼ sec. 57, blk. C, 18 miles west of Crosbyton.		
Surface soil	2	2
White chalk dust	1	3
Dirt and caliche	2	5
Caliche	11	16
Sandy red clay	2	18
Sand	1	19
October 19, 1938.		
Well 20		
Flat, J. P. Dean Est., NE¼NE¼ sec. 210, A. B. & M. sur., 16½ miles northwest of Crosbyton.		
Surface soil	2	2
Caliche	5	7
Sandy red clay and chalk	2	9
October 24, 1938.		
Well 21		
Flat, Mrs. W. F. Exum, NW¼NW¼ sec. 2, blk. C, 14½ miles northwest of Crosbyton.		
Surface soil	2	2
Caliche	9	11
Sandy red clay	4	15
Red clay, small chalk rocks	3	18
Rock		18
October 18, 1938		

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 23		
Gentle slope, east side of county road, W. L. Bolinger farm, NW¼NW¼ sec. 5, blk. M, 13 miles northwest of Crosbyton.		
Surface soil	2	2
Caliche	6	8
Caliche and rock	1	9
Sandy red clay	5	14
Rock		14
October 18, 1938.		
Well 26		
West edge of sink, Amicable Life Insurance Co. tract, NW¼NW¼ sec. 2, blk. Z-2, 12 miles northwest of Crosbyton.		
Surface soil	1	1
White chalk dust	1	2
Red sand and chalk	6	8
Rock		8
October 20, 1938.		
Well 27		
Near center of sink, Amicable Life Insurance Co. tract, 0.1 mile east of well 26.		
Surface soil	1	1
White sand	1	2
Yellow sand	1	3
Sandy chalk	1	4
Red sand and chalk	2	6
Sandy red clay	2	8
Rock		8
October 20, 1938.		
Well 28		
Center of sink, Amicable Life Insurance Co. tract, 0.2 mile east of well 26.		
Surface soil	4	4
Sandy yellow clay	4	8
Sandy white clay	2	10
Rock		10
October 20, 1938.		
Well 29		
Center of sink, side of county road, Amicable Life Insurance Co. tract, 0.3 mile east of well 26.		
Surface soil	2	2
Yellow sand and clay	3	5
Yellow sand	1	6
White sand	1	7
Yellow sand and clay	5	12
Rock		12
October 20, 1938.		
Well 30		
Near center of sink, side of county road, Amicable Life Insurance Co. tract, 0.4 mile east of well 26.		
Surface soil	3	3
Sandy yellow clay	3	6
White chalk dust and sand	6	12
Rock		12
October 20, 1938.		
Well 31		
Near center of sink, side of county road, M. J. Harrell tract, 0.5 mile east of well 26.		
Surface soil	2	2
Sandy white clay and chalk	6	8
Rock		8
October 20, 1938.		
Well 32		
Edge of sink, side of county road, M. J. Harrell tract, 0.6 mile east of well 26.		
Surface soil	3	3
White chalk dust and small rocks	10	13
Hard chalk rock		13
October 20, 1938.		
Well 33		
Edge of sink, side of county road, M. J. Harrell tract, 0.7 mile east of well 26.		
Surface soil	1	1
Caliche	5	6
Red clay and caliche	1	7
Caliche	2	9
Red clay and chalk rocks	4	13
Rock		13
October 20, 1938.		
Well 35		
Flat, D. E. Wells tract, SE¼SE¼ sec. 10, blk. M, 9½ miles northwest of Crosbyton.		
Surface soil	3	3
Caliche	3	6
Sandy red clay and chalk	8	14
October 25, 1938.		
Well 36		
Center of sink, Mrs. W. H. Shell tract, SE¼SE¼ sec. 8, blk. M, 11 miles northwest of Crosbyton.		
Surface soil	2	2
Gray clay	4	6

(Continued on next page)

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 36--Continued		
White sand and clay - -	1	7
Sandy gray clay - - - -	10	17
Sandy red and gray clay	2	19
Sandy white clay and chalk	3	22
Rock - - - - - - - - - -		22
October 27, 1938.		

Well 37

Edge of sink Mrs. W. H. Shell tract, NE¼SE¼ sec. 8, blk. M, 11 miles northwest of Crosbyton.

Surface soil - - - - - -	1	1
White caliche - - - - -	2	3
Red caliche - - - - - -	4	7
White caliche - - - - -	1	8
Sandy red clay and chalk	6	14
Red clay and sand - - -	2	16
Rock - - - - - - - - - -		16
October 27, 1938.		

Well 38

Edge of sink, Fred Shell tract, SE¼SW¼ sec. 4, blk. M, 11½ miles northwest of Crosbyton.

Surface soil - - - - - -	2	2
Caliche - - - - - - - -	6	8
Rock - - - - - - - - - -		8
October 27, 1938.		

Well 39

Center of sink, Fred Shell tract, 0.1 mile east of well 38.

Surface soil - - - - - -	3	3
Sandy gray clay - - - -	10	13
Sandy rust-colored clay	1	14
Sandy gray clay - - - -	3	17
Rock - - - - - - - - - -		17
October 27, 1938.		

Well 40

Center of sink, Fred Shell tract, 0.2 mile east of well 38.

Surface soil - - - - - -	5	5
Sandy gray clay - - - -	12	17
Gray clay and red sand-	4	21
Gray clay and chalk - -	3	24
Rock - - - - - - - - - -		24
October 27, 1938.		

Well 41

Edge of sink, Fred Shell tract, 0.3 mile east of well 38.

Surface soil - - - - - -	1	1
Red caliche - - - - - -	9	10
Sandy gray dirt - - - - -	1	11
Fine-grained white sand and chalk - - - - - - -	7	18
Brown sand, clay, and chalk	4	22
Rock - - - - - - - - - -		22
October 27, 1938.		

Well 44

Flat, J. B. Parks tract, NW¼NW¼ sec. 14, blk. N, 11½ miles northwest of Crosbyton.

Surface soil - - - - - -	2	2
White chalk dust and rock	3	5
Red clay and chalk - - -	10	15
Sandy red clay and chalk-	5	20
Sandy red clay - - - - -	8	28
Rock - - - - - - - - - -		28
October 25, 1938.		

Well 47

Creek bottoms, William McDowell Est., NE¼ SE¼ William McDowell survey, 14½ miles northwest of Crosbyton.

Surface soil - - - - - -	4	4
Brown sand - - - - - - -	3	7
White sand and chalk - -	2	9
Rock - - - - - - - - - -		9
October 24, 1938.		

Well 48

Flat, R. D. Crawford tract, NW¼NW¼ sec. 11, blk. N, 13 miles northwest of Crosbyton.

Surface soil - - - - - -	2	2
Caliche - - - - - - - -	5	7
Sandy brown soil - - - -	1	8
Sandy red clay and chalk-	4	12
Rock - - - - - - - - - -		12
October 25, 1938.		

Well 50

Flat, R. D. Crawford tract, NW¼NW¼ sec. 1, blk. N, 12 miles northwest of Crosbyton.

Surface soil - - - - - -	2	2
Tan-colored caliche - - -	7	9
White caliche - - - - - -	3	12
Gray sand and chalk - - -	1	13
Sandy red clay - - - - -	5	18
Red sand and chalk - - -	3	21
Rock - - - - - - - - - -		21
October 25, 1938.		

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 53		
Flat, Ruth Star Blake tract, NW¼NW¼ sec. 7, blk. B, 10 miles northwest of Crosbyton.		
Surface soil	1	1
White caliche	4	5
Red caliche	9	14
Rock		14
October 25, 1938.		
Well 55		
Near center of sink, Ruth Star Blake tract, SW¼NW¼ sec. 7, blk. B, 10 miles northwest of Crosbyton.		
Surface soil	1	1
Gray clay	4	5
Sand and clay	3	8
Sandy yellow clay	4	12
Sandy rust-colored clay	1	13
Sandy yellow clay	11	24
White sand and clay	4	28
Red clay	10	38
October 26, 1938.		
Well 56		
Center of sink, Ruth Star Blake tract, 0.1 mile south of well 55.		
Surface soil	1	1
Gray clay	21	22
Sandy white clay	3	25
Red clay and sand	4	29
Red clay and chalk	2	31
October 26, 1938.		
Well 57		
Near center of sink, Ruth Star Blake tract, 0.2 mile south of well 55.		
Surface soil	2	2
Fine-grained gray sand	1	3
Sandy yellow clay	7	10
Sandy yellow clay and chalk	5	15
Sand rock		15
October 26,,1938.		
Well 58		
Edge of sink, Ruth Star Blake tract, 0.3 mile south of well 55.		
Surface soil	1	1
Sandy white clay and chalk	7	8
Rock		8
October 26, 1938.		
Well 61		
Edge of sink, Hattie Spellings tract, SE cor. SE¼ sec. 11, blk. B, 9 miles northwest of Crosbyton.		
Surface soil	2	2
Caliche	2	4
Sandy red clay and chalk	9	13
Sand rock		13
October 22, 1938.		
Well 62		
Near sink, Hattie Spellings tract, 0.2 mile west of well 61.		
Surface soil	2	2
White caliche	3	5
Sandy red clay and chalk	6	11
Rock		11
October 22, 1938.		
Well 63		
Edge of sink, Hattie Spellings tract, 0.3 mile west of well 61.		
Surface soil	2	2
Sandy tan-colored clay	3	5
Sandy brown clay	1	6
Sandy clay and white chalk	6	12
Sandy tan-colored clay and chalk	4	16
Rock		16
October 21, 1938.		
Well 64		
Edge of sink, Hattie Spellings tract, 0.4 mile west of well 61.		
Surface soil	5	5
Sandy yellow clay	14	19
October 22, 1938.		
Well 65		
Center of sink, Hattie Spellings tract, 0.5 mile west of well 61.		
Surface soil	7	7
Brownish-yellow clay	13	20
October 21, 1938.		
Well 66		
Near center of sink, Hattie Spellings tract, 0.6 mile west of well 61.		
Surface soil	3	3
Gray sand and clay	2	5
White chalk dust	2	7

(Continued on next page)

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 66--Continued		
Sandy tan-colored clay	2	9
Sandy white clay - ---	1	10
Sandy red clay - - - -	5	15
Rock - - - - - - - - -		15
October 21, 1938.		
Well 67		
Edge of sink, Hattie Spellings tract, 0.7 mile west of well 61.		
Surface soil - - - - -	1	1
Sandy white clay and chalk - - - - - - -	6	7
Sandy red clay and chalk - - - - - - -	3	10
Sand rock - - - - - --		10
October 21, 1938.		
Well 68		
Edge of sink, Hattie Spellings tract, 0.8 mile west of well 61.		
Surface soil - - - - -	2	2
Sandy tan-colored clay and chalk - - - - -	14	16
Caliche - - - - - - - --		16
October 21, 1938.		
Well 77		
Edge of sink, F. F. Rives tract, NE¼ NE¼ sec. 1, blk. 2, B. & B. survey, 5⅓ miles north of Crosbyton.		
Sandy red clay - - --	9	9
Sandy gray clay - - -	5	14
Sandy yellow clay - -	3	17
Gray clay - - - - - -	13	30
November 19, 1938.		
Well 78		
Near center of sink, Mrs. J. Tucker tract, NW¼NW¼ lab. 8, lge. A-30, Eastland C. S. L., 150 feet east of well 77, 5½ miles north of Crosbyton.		
Surface soil - - - - -	1	1
Sandy red clay - - - -	5	6
Sandy gray clay - - --	9	15
Sandy grayish-yellow clay	15	30
Yellowish-white sand with clay - - - - -	5	35
November 19, 1938.		
Well 79		
Center of sink, Mrs. J. Tucker tract, 150 feet east of well 78.		
Surface soil - - - - -	2	2
Red sand and clay - --	2	4
Gray clay and sand - -	15	19
Gray clay and red sand	7	26
Sandy yellow clay and chalk	4	30
November 19, 1938.		
Well 80		
Center of sink, Mrs. J. Tucker tract, 300 feet east of well 78.		
Surface soil - - - - -	2	2
Sandy red clay - - - -	3	5
Gray clay and sand - -	14	19
Sandy yellowish-gray clay - - - - - - --	2	21
Sandy yellow clay - --	2	23
Grayish-yellow clay and white sand - - - --	2	25
Grayish-yellow clay and red sand - - - - --	2	27
Clay and chalk rocks -	3	30
Rock - - - - - - - - -		30
November 19, 1938.		
Well 81		
Center of sink, Mrs. J. Tucker tract, 450 feet east of well 78.		
Surface soil - - - - -	2	2
Sandy red clay - - - -	2	4
Sandy gray clay - - --	9	13
Sandy yellow clay - --	4	17
White clay - - - - - -	1	18
Rock - - - - - - - - -		18
November 21, 1938.		
Well 82		
Near center of sink, Mrs. J. Tucker tract, 600 feet east of well 78.		
Surface soil - - - - -	1	1
Sandy red clay - - - -	2	3
Sandy brown clay - - -	5	8
White chalk and sand -	2	10
Red clay, sand, and chalk - - - - - - -	2	12
Rock - - - - - - - - -		12
November 21, 1938.		

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 83		
Edge of sink, Mrs. J. Tucker tract, 750 feet east of well 78.		
Sandy tan-colored clay and chalk	5	5
Sandy red clay	3	8
Sandy pink-colored clay and chalk	4	12
Sandy red clay	1	13
White sand and chalk	3	16
Rock		16
November 21, 1938.		
Well 87		
Side of canyon, side of county road, J. S. Bridwell tract, C.6 mile north of south line of lge. A-30, Eastland C. S. L., 7⅓ miles north of Crosbyton.		
Sandy red clay	2	2
Chalk rocks and tan-colored clay	9	11
Fine-grained tan-colored sand and clay	14	25
Rock		25
November 17, 1938.		
Well 88		
North of Crawfish Creek, on side of county road, J. S. Bridwell tract, 1.2 miles north of south line of lge. A-29, Eastland C. S. L., 8 miles north of Crosbyton.		
Brownish-red clay with little sand	8	8
Sandy red clay, water	7	15
Brown sand and clay	7	22
Sand and gray clay	13	35
November 17, 1938.		
Well 89		
Rolling hills, side of county road, J. S. Bridwell tract, 1.7 miles north of south line of lge. A-29, Eastland C. S. L., 8½ miles north of Crosbyton.		
Surface soil	2	2
Sandy light-brown clay	10	12
Sandy gray clay	1	13
Sandy yellowish-tan clay	7	20
Sandy brown clay	1	21
Sandy yellow clay	9	30
Sandy yellow clay, water	6	36
November 17, 1938.		
Well 90		
Rolling hills, side of county road, J. S. Bridwell tract, 1.9 miles north of south line of lge. A-29, Eastland C. S. L., 8⅓ miles north of Crosbyton.		
Sandy brown clay	8	8
Sandy red clay	12	20
Fine-grained red sand	12	32
Rock		32
November 17, 1938.		
Well 91		
Rolling hills, side of county road, J. S. Bridwell tract, 2.2 miles north of south line of lge. A-30, Eastland C. S. L., 9 miles north of Crosbyton.		
Sandy brown clay	5	5
Red sand	27	32
Yellowish-white sand	8	40
November 18, 1938.		
Well 92		
Flat, side of county road, George W. Smith tract, SW¼SW¼ Mills Bennett sec., lge. A-29, Eastland C. S. L., 9 miles north of Crosbyton.		
Surface soil	1	1
Sandy brown clay	3	4
Sandy clay and chalk	1	5
White sand	17	22
November 18, 1938.		
Well 94		
River bottoms, G. W. Smith tract, center west side Mills Bennett sec., lge. A-29, Eastland C. S. L., 9⅓ miles north of Crosbyton.		
Sandy brown clay	2	2
Sandy red clay	6	8
Lime rock and sand	1	9
November 18, 1938.		
Well 95		
Rolling hills, George W. Smith tract, NW¼NW¼ Mills Bennett sec., lge. A-29, Eastland C. S. L., 9⅓ miles north of Crosbyton.		
Sandy red clay	12	12
Sand, clay and chalk	3	15
Sandy red clay	2	17
Rock		17
November 18, 1938.		

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 96		
Rolling hills, side of county road, George W. Smith tract, SW¼SW¼ sec. 28, T. T. R. R. survey, 10 miles north of Crosbyton.		
Sandy red soil	13	13
Gray clay and sand	2	15
Fine-grained red sand	4	19
November 18, 1938.		
Well 97		
Rolling, side of county road, George W. Smith tract, NW¼SW¼ sec. 28, T. T. R. R. survey, 10 miles north of Crosbyton.		
Sandy red soil	3	3
Fine-grained red sand	17	20
November 18, 1938.		
Well 105		
Side of sink, P. W. Bell tract, NE¼NW¼ sec. 1, Jackson White survey, 10½ miles northeast of Crosbyton.		
Gray surface clay	3	3
Sandy red clay	6	9
Gray clay	8	17
Grayish-yellow sand	2	19
Sandy yellow clay	2	21
Rock		21
February 28, 1939.		
Well 106		
Side of sink, P. W. Bell tract, 150 feet east of well 105.		
Gray clay	3	3
Red sand and yellow clay	6	9
Yellowish-gray clay	12	21
Yellow sand	3	24
Red sand and clay	11	35
Rock		35
February 28, 1939.		
Well 107		
Center of dry lake, P. W. Bell tract, 300 feet east of well 105.		
Dark gray clay	8	8
Yellow clay	3	11
Yellow sand	1	12
Sandy yellow clay	10	22
Yellow sand	4	26
Sandy dark red clay	5	31
February 28, 1939.		
Well 108		
Center of sink, P. W. Bell tract, 450 feet east of well 105.		
Dark-colored surface clay	5	5
Yellow clay	9	14
Yellow sand and clay	7	21
Sandy reddish-yellow clay	2	23
Chalky white clay	1	24
Rock		24
February 28, 1939.		
Well 109		
Side of sink, P. W. Bell tract, 600 feet east of well 105.		
Dark-colored surface clay	5	5
Yellow sandy clay	8	13
Red sand and yellow clay	1	14
Red sand and chalk rocks	3	17
Rock		17
March 1, 1939.		
Well 124		
Side of sink E. B. Covington Est., SW¼SE¼ sec.13, M. E. P. P. R. R. survey, 11½ miles northeast of Crosbyton.		
Surface clay	2	2
White chalk and clay	3	5
Yellowish-white chalk, sand, and clay	8	13
Rock		13
February 23, 1939.		
Well 125		
East side of sink, E. B. Covington Est., 150 feet west of well 124.		
Gray surface clay	7	7
Yellow clay	4	11
White chalk and clay	2	13
Rock		13
February 23, 1939.		
Well 126		
Center of sink, E. B. Covington Est., 300 feet west of well 124.		
Gray surface clay	7	7
Yellow clay	9	16
Rock		16
February 23, 1939.		
Well 127		
Center of sink, E. B. Covington Est., 450 feet west of well 124.		
Gray surface clay	10	10
Yellow clay	6	16
Sandy brown clay	6	22
Rock		22
February 23, 1939.		

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 128		
Center of sink, E. B. Covington Est., 600 feet west of well 124.		
Gray surface clay	7	7
Brownish-yellow clay	17	24
Yellow sand	10	34
Red and yellow sand	1	35
Rock		35
February 23, 1939.		
Well 129		
Center of sink, E.B. Covington Est., 750 feet west of well 124.		
Gray surface clay	7	7
Sandy yellow clay	15	22
Rock		22
February 23, 1939.		
Well 130		
Center of sink, E.B. Covington Est., 900 feet west of well 124.		
Gray surface clay	8	8
Sandy yellow clay	20	28
Yellow sand	2	30
White chalk dust and clay	4	34
Rock		34
February 24, 1939.		
Well 131		
Center of sink, E. B. Covington Est. 1,050 feet west of well 124.		
Gray surface clay	8	8
Brown clay	1	9
Sandy yellow clay	20	29
Yellow sand	3	32
February 24, 1939		
Well 132		
Side of sink, E.B. Covington Est. 1,200 feet west of well 124.		
Gray surface clay	7	7
Sandy brown clay	10	17
Yellow clay	8	25
February 24, 1939.		
Well 133.		
West side of sink, E. B. Covington Est. 1,350 feet west of well 124.		
Gray surface clay	3	3
Brown and gray clay	16	19
Yellow clay	11	30
February 27, 1939		
Well 134		
West side of sink, E. B. Covington Est. 1,500 feet west of well 124.		
Sandy red clay	6	6
Yellowish-gray clay	20	26
Rock		26
February 27, 1939.		
Well 135		
East side of sink, W. C. Whittle tract, NE¼NE¼ sec. 14, M.E.P.P.R.R. survey, 12 miles northeast of Crosbyton.		
Dark-colored surface clay	7	7
Sandy yellow clay	10	17
Rock		17
Mar. 3, 1939.		
Well 136		
Center of sink, W.C.Whittle tract, 150 feet west of well 135.		
Dark-colored surface clay	4	4
Sandy yellow clay	15	19
Yellowish-white sand & clay	3	22
Rock		22
March 3, 1939.		
Well 137		
Center of sink, W. C. Whittle tract, 300 feet west of well 135.		
Dark-colored surface clay	6	6
Sandy yellow clay	14	20
Sandy yellowish-white clay	3	23
Rock		23
March 2, 1939.		
Well 138		
Center of sink, W. C. Whittle tract, 450 feet west of well 135.		
Dark-colored surface clay	8	8
Sandy yellow clay	7	15
Yellow sand	2	17
Sandy yellow clay	4	21
Red sand and yellow clay	1	22
Rock		22
March 2, 1939.		
Well 139		
Center of sink, W. C. Whittle tract, 600 feet west of well 135.		
Dark-colored surface clay	8	8
Sandy yellow clay	10	18
Yellow sand	2	20
Rock		20
March 2 , 1939.		

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 140		
Center of sink, W. C. Whittle tract, 750 feet west of well 135.		
Dark-colored surface clay	6	6
Reddish-yellow sand -	2	8
Sandy yellow clay - --	16	24
March 2, 1939.		
Well 141		
Center of sink, W. C. Whittle tract, 900 feet west of well 135.		
Dark-colored surface clay	3	3
Yellow sand - - - - -	2	5
Fine-grained white sand	3	8
Sandy yellow clay - --	18	26
Rock - - - - - - - - -		26
March 2, 1939.		
Well 142		
West side of sink, W. C. Whittle tract, 1,050 feet west of well 135.		
Surface soil - - - - -	2	2
Sandy white clay - - -	1	3
Sandy red clay - - - -	4	7
Fine-grained white sand	1	8
Red sand - - - - - - -	1	9
Sandy yellow clay - --	20	29
March 1, 1939.		
Well 143		
West side of sink, W. C. Whittle tract, 1,200 feet west of well 135.		
Surface soil - - - - -	1	1
Sandy tan-colored clay	2	3
Sandy white clay - - -	2	5
Sandy red clay - - - -	5	10
Fine-grained white sand	1	11
Sandy yellow clay - --	22	33
March 1, 1939.		
Well 144		
West side of sink, W. C. Whittle tract, 1,350 feet west of well 135.		
Brown surface soil - -	1	1
Sandy red clay - - - -	10	11
Fine-grained white sand	4	15
Sandy yellow clay - --	21	36
Rock - - - - - - - - -		36
March 4, 1939.		

	Thickness (feet)	Depth (feet)
Well 145		
West side of sink, W. C. Whittle tract, 1,600 feet west of well 135.		
Brown surface soil - -	2	2
Sandy tan-colored clay	6	8
Fine-grained tan-colored sand - - - - - - - -	4	12
Fine-grained white sand	3	15
Sandy yellow clay - --	18	33
Rock - - - - - - - - -		33
March 4, 1939.		
Well 201		
West slope of sink, G. O. Poudler tract, SE¼SW¼ sec. 3, M. E. P. and P. R. R. survey, 11 miles northeast of Crosbyton.		
Gray clay - - - - - -	3	3
Chalky white clay - --	7	10
Tan-colored sand, clay, and chalk - - - - -	4	14
Rock - - - - - - - - -		14
February 21, 1939.		
Well 202		
Center of sink, G. O. Poudler tract, 150 feet west of well 201.		
Gray clay - - - - - -	4	4
Sandy yellow clay - --	6	10
Yellow clay and chalk-	1	11
Rock - - - - - - - - -		11
February 21, 1939.		
Well 203		
Center of sink, G. O. Poudler tract, 300 feet west of well 201.		
Gray clay - - - - - -	5	5
Sandy yellow clay - --	7	12
Yellow sand and clay -	1	13
Rock - - - - - - - - -		13
February 21, 1939.		
Well 204		
Center of sink, G. O. Poudler tract, 450 feet west of well 201.		
Gray clay - - - - - -	6	6
Sandy yellow clay - --	7	13
Yellow sand - - - - - -	1	14
Rust-colored sand and clay - - - - - - -	1	15
Yellow clay and chalk-	1	16
Rock - - - - - - - - -		16
February 21, 1939.		

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 205		
West slope of sink, G. O. Poudler tract, 600 feet west of well 201.		
Gray clay - - - - - -	4	4
Sandy yellow clay - --	7	11
Chalk and clay - - - -	2	13
Rock - - - - - - - - -		13
February 21, 1939.		
Well 210		
North slope of sink, O. W. Young tract, SW¼NE¼ sec. 7, B. S. and F. survey, 10 miles east of Crosbyton.		
Surface soil - - - - -	2	2
Dark-colored sandy soil	1	3
Sandy white clay and chalk	1	4
Sandy brown clay - - -	2	6
Sandy white clay and chalk	1	7
Sandy red clay - - - -	9	16
Rock - - - - - - - - -		16
December 7, 1938.		
Well 211		
North slope of sink, O. W. Young tract, 150 feet south of well 210.		
Sandy brown soil - - -	8	8
Red sand and yellow clay	2	10
Sandy red clay and chalk	4	14
Rock - - - - - - - - -		14
December 7, 1938.		
Well 212		
North slope of sink, O. W. Young tract, 300 feet south of well 210.		
Surface soil - - - - -	1	1
Sandy tan clay - - - -	3	4
Very fine-grained white sand - - - - - - --	4	8
Yellow clay - - - - --	3	11
Pink-colored sand and clay	5	16
December 7, 1938.		
Well 213		
Center of sink, O. W.Young tract, 450 feet south of well 210.		
Sandy tan-colored clay	3	3
Very fine-grained white sand - - - - - - -	6	9
Yellow clay - - - - -	9	18
Yellow and white sand	2	20
White sand and chalk-	5	25
Rock - - - - - - - - --		25
December 6, 1938.		
Well 214		
Center of sink, O. W. Young tract, 600 feet south of well 210.		
Sandy brown clay - - -	3	3
Very fine-grained white sand - - - - - - - --	6	9
Yellow clay - - - - --	5	14
Rock - - - - - - - - -		14
December 6, 1938.		
Well 215		
Center of sink, O. W. Young tract, 750 feet south of well 210.		
Sandy red clay - - -	4	4
Very fine-grained white sand - - - - - - - --	5	9
Sandy yellow clay - --	13	22
Rust-colored sand and sandy yellow clay -	9	31
Red sand, yellow clay, and chalk - - - - -	3	34
December 6, 1938.		
Well 216		
South slope of sink, O. W. Young tract, 900 feet south of well 210.		
Sandy red clay - - - -	5	5
Very fine-grained white sand - - - - - - --	5	10
Sandy yellow clay - --	12	22
Rust-colored sand and sandy yellow clay -	7	29
Sandy red clay - - - -	1	30
December 6, 1938.		
Well 217		
South slope of sink, J. W. Young tract, 1,050 feet south of well 210.		
Surface soil - - - - -	1	1
Sandy tan-colored clay and chalk - - - - -	4	5
Sandy red clay - - - -	3	8
Very fine-grained white sand - - - - - - - --	4	›
Yellow clay and sand -	13	
Yellow sand - - - - - --	2	212
Rust-colored sand and sandy yellow clay -	7	25 347
December 6, 1938.		

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 218		
South slope of sink, O. W. Young tract, 1,200 feet south of well 210.		
Surface soil	1	1
Sandy tan-colored clay and chalk	8	9
Rock		9
December 7, 1938.		
Well 219		
South side of sink, O. W. Young tract, 1,350 feet south of well 210.		
Surface soil	2	2
Sandy tan-colored clay	3	5
Sandy red clay	1	6
Sandy tan-colored clay	2	8
Rock		8
December 7, 1938.		
Well 224		
East side of sink, S. R. Campbell tract, SW¼NW¼ sec. 11, C. U. Connelly survey, 9½ miles east of Crosbyton.		
Sandy tan-colored clay and chalk	8	8
Sandy white clay and chalk	3	11
Rock		11
December 7, 1938.		
Well 225		
East slope of sink, S. R. Campbell tract, 150 feet west of well 224.		
Sandy tan-colored clay	8	8
Very fine-grained white sand	2	10
Sandy grayish-yellow clay	1	11
Rock		11
December 7, 1938.		
Well 226		
S. R. Campbell tract, 375 feet west of well 224.		
Sandy tan-colored clay and chalk	8	8
Very fine-grained white sand	3	11
Sandy grayish-yellow clay	5	16
Rock		16
December 7, 1938.		
Well 227		
J. G. Taylor tract, NE¼SE¼ sec. 10, C. U. Connelly survey, 200 feet west of well 226, 9½ miles east of Crosbyton.		
Surface soil	2	2
Sandy tan-colored clay	6	8
Very fine-grained white sand	4	12
Sandy grayish-yellow clay	10	22
Rock		22
December 7, 1938.		
Well 228		
J. G. Taylor tract, 150 feet west of well 227.		
Gray clay	6	6
Sandy grayish-yellow clay	1	7
Sandy tan-colored clay	2	9
Very fine-grained white sand	3	12
Sandy grayish-yellow clay	12	24
Yellow sand	2	26
Rusty-yellow sand with clay	2	28
White sand and chalk	3	31
Rock		31
December 8, 1938.		
Well 229		
J. G. Taylor tract, 300 feet west of well 227.		
Gray clay	6	6
Sandy brown clay	3	9
Red sand and yellow clay	1	10
Yellow sand and clay	1	11
Very fine-grained white sand	2	13
Sandy grayish-yellow clay	12	25
Yellow sand	2	27
Rust-colored sand and yellow clay	1	28
Rock		28
December 8, 1938.		
Well 230		
J. G. Taylor tract, 450 feet west of well 227.		
Gray clay	5	5
Sandy tan-colored clay	6	11
Red sand and yellow clay	2	13
Yellow sand and clay	2	15
Chalky white sand and yellow clay	3	18

(Continued on next page)

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 230--Continued		
Sandy yellow clay - --	9	27
Yellow sand - - - - --	3	30
December 8, 1938.		

Well 231

West side of sink, J. G. Taylor tract, 600 feet west of well 227.

Gray clay- - - - - - -	4	4
Sandy brown clay - - -	3	7
Sandy yellow clay - --	3	10
Red sand and yellow clay	9	19
Yellow clay - - - - --	7	26
December 8, 1938.		

Well 232

West side of sink, J. G. Taylor tract, 750 feet west of well 227.

Surface soil - - - - -	1	1
Sandy red clay - - - -	10	11
Red sand and yellow clay	7	18
Yellow clay - - - - --	10	28
December 9, 1938.		

Well 233

West side of sink, J. G. Taylor tract, 900 feet west of well 227.

Sandy tan-colored clay	8	8
Red sand and yellow clay	3	11
Yellow clay - - - - --	3	14
Red sand and yellow clay	4	18
Yellow clay - - - - --	10	28
December 9, 1938.		

Well 235

South side of sink, J. G. Taylor tract, SE¼SE¼ sec. 8, C. U. Connelly survey, 8½ miles east of Crosbyton.

Sandy red clay - - - -	2	2
Sandy pink-colored clay and chalk - - - - -	4	6
Sandy white clay and chalk	3	9
Sandy pink clay and chalk	5	14
Rock - - - - - - - - -		14
November 30, 1938.		

Well 236

South side of sink, Great Southern Life Insurance Company tract, 150 feet north of well 235.

Sandy red clay - - - -	2	2
Light-red sand, clay and chalk - - - - - - -	3	5
Sandy white clay and chalk	10	15
Well 236--Continued		
Fine-grained white sand, chalk, and clay - -	1	16
Rock - - - - - - - - -		16
November 30, 1938.		

Well 237

South side of sink, Great Southern Life Insurance Company tract, 300 feet north of well 235.

Surface soil - - - - -	2	2
Yellow clay - - - - --	2	4
Sandy red clay and chalk	8	12
White sand, chalk, and clay	1	13
Red sand, clay, and chalk	9	22
Fine-grained white sand and chalk - - - - -	1	23
Rock - - - - - - - - -		23
November 30, 1938.		

Well 238

Center of sink, Great Southern Life Insurance Company tract, 450 feet north of well 235.

Surface soil - - - - -	4	4
Gray sand and clay - -	2	6
Sandy red clay - - - -	5	11
Grayish-yellow sand and clay - - - - - - --	4	15
White chalk and sand -	4	19
Gray clay and white sand	7	26
November 30, 1938.		

Well 239

Center of sink, Great Southern Life Insurance Company tract, 600 feet north of well 235.

Surface soil - - - - -	4	4
Yellow clay - - - - --	3	7
Sandy red clay - - - -	7	14
Sandy yellow clay - --	4	18
White chalk and clay -	1	19
Red sand, chalk, and red clay - - - - - - --	4	23
White sand and chalk -	2	25
November 30, 1938.		

Well 240

North side of sink, Great Southern Life Insurance Company tract, 750 feet north of well 235.

Gray clay - - - - - --	4	4
Yellow clay - - - - --	3	7
Red sand, chalk, and clay, water - - - - - - -	5	12

(Continued on next page)

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 240--Continued		
Yellow clay and sand -	12	24
Fine-grained white sand and chalk - - - - -	2	26
Rock - - - - - - - - -		26
December 1, 1938.		

Well 241

North side of sink, Great Southern Life Insurance Company tract, 900 feet north of well 235.

Gray surface clay - -	4	4
Sandy yellow clay - --	3	7
Sandy red clay - - - -	8	15
Sandy yellow clay - --	9	24
Red sand and yellow clay	2	26
Sandy fine-grained white clay - - - - - - --	8	34
December 1, 1938.		

Well 242

Between two sinks, Great Southern Life Insurance Company tract, 1,050 feet north of well 235.

Surface soil - - - - -	2	2
Sandy red clay - - - -	7	9
Sandy yellow clay - --	1	10
Red sand, yellow clay, and chalk - - - - -	1	11
Sandy red clay - - - -	6	17
Sandy yellow clay - --	9	26
Sandy red clay - - - -	5	31
December 1, 1938.		

Well 243

Between two dry lakes, Great Southern Life Insurance Company tract, 1,200 feet north of well 235.

Sandy red clay and chalk	6	6
Red sand and gray clay	10	16
Sandy gray clay - - -	11	27
Red sand and yellow clay	2	29
December 1, 1938.		

Well 246

East side of sink, S. F. Starrett tract, NW¼NE¼ sec. 7, C. U. Connelly survey, 7½ miles northeast of Crosbyton.

Red clay - - - - - - -	4	4
Yellow clay - - - - --	1	5
Red sand - - - - - - --	2	7
White and gray sand --	3	10
December 5, 1938.		

Well 247

East slope of sink, S. F. Starrett tract, 150 feet west of well 246.

Gray clay - - - - - -	4	4
Brown clay - - - - - -	4	8
Sandy grayish-yellow clay	1	9
White sand and clay --	2	11
Rock - - - - - - - - -		11
December 5, 1938.		

Well 248

Center of sink, S. F. Starrett tract, 300 feet west of well 246.

Surface soil - - - - -	2	2
Gray clay - - - - - - --	7	9
Yellow clay - - - - - --	1	10
Yellow sand - - - - - --	1	11
White sand and chalk -	4	15
Sandy pink-colored clay and chalk - - - - -	6	21
Light-red sand and clay	4	25
Rock - - - - - - - - -		25
December 5, 1938.		

Well 249

Center of sink, S. F. Starrett tract, 450 feet west of well 246.

Surface soil - - - - -	2	2
Gray clay - - - - - - --	6	8
Sandy brown clay - - -	4	12
Yellow clay - - - - --	1	13
Sandy whitish-yellow clay and chalk - --	1	14
Rock - - - - - - - - -		14
December 5, 1938.		

Well 250

Center of sink, S. F. Starrett tract, 600 feet west of well 246.

Surface soil - - - - -	2	2
Gray clay - - - - - - --	5	7
Grayish-yellow sand --	2	9
White chalk and clay -	3	12
Rock - - - - - - - - -		12
December 5, 1938.		

Well 251

West slope of sink, C. W. Cash tract, 750 feet west of well 246.

Sandy tan-colored clay	6	6
Rock - - - - - - - - -		6
December 5, 1938.		

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 252		
West slope of sink, C. W. Cash tract, 900 feet west of well 246.		
Sandy tan-colored clay and chalk	5	5
Sandy red clay	2	7
Sandy tan-colored clay and chalk	3	10
Fine-grained sandy white clay and chalk	1	11
Rock		11
Dec. 5, 1938.		
Well 253		
West side of sink, C. W. Cash tract, 1,050 feet west of well 246.		
Sandy tan-colored clay and chalk	10	10
Sandy white clay and chalk	3	13
Rock		13
Dec. 5, 1938.		
Well 273		
Center of sink, T. M. Lackey tract, NW cor. NW¼ sec. 3, E. L. & R. R. R.R. survey, 1 mile west of Crosbyton.		
Red surface soil	2	2
Sandy gray clay	11	13
Sandy yellow clay	2	15
Yellow sand and clay	1	16
Rock		16
Dec. 30, 1938.		
Well 274		
Center of sink, T. M. Lackey tract, 150 feet south of well 273.		
Red surface soil	1	1
Gray clay	9	10
Gray clay and chalk	3	13
Yellow clay	5	18
Sandy yellow clay	4	22
Yellow sand	2	24
White sand	7	31
Red and white sand	1	32
White sand and clay	2	34
Dec. 30, 1938.		
Well 275		
Center of sink, T. M. Lackey tract, 300 feet south of well 273.		
Gray clay	8	8
Sandy yellow clay	14	22
Yellow sand	3	25
White sand	9	34
Pink sand	1	35
Sandy red clay	1	36
Red sand	4	40
Dec. 30, 1938.		
Well 276		
South side of sink, T. M. Lackey tract, 450 feet south of well 273.		
Gray clay	4	4
Chalk and clay	3	7
Sandy yellow clay	19	26
Yellow sand and clay	4	30
Dec. 30, 1938.		
Well 279		
South side of sink, T. M. Lackey tract, lab. 2-f, lge. 3, Eastland C.S.L., north of Crosbyton.		
Sandy red clay	7	7
Sandy red clay and chalk	3	10
Red sand, chalk and clay	4	14
Yellowish-gray sand and clay	2	16
Rock		16
Nov. 29, 1938.		
Well 280		
South side of sink, Life Insurance Company of Virginia, S½SW¼ sec. 1-f, lge. 3, Eastland C.S.L., 200 feet north of well 279, 3 miles north of Crosbyton.		
Sandy brown clay	3	3
Sandy grayish-brown clay	2	5
Sandy red clay and chalk	5	10
Gray clay and chalk	10	20
Rock		20
Nov. 29, 1938.		
Well 281		
South side of sink, Life Insurance Company of Virginia, 150 feet north of well 280.		
Surface soil	1	1
Sandy reddish-brown clay	6	7
Sand and chalk	1	8
Sandy reddish-brown clay	2	10
Sandy white clay and chalk	5	15
Yellow sand and clay	7	22
Fine-grained white sand and clay	3	25
Red sand, white sand and clay	5	30
Yellow sand	2	32
Rock		32
Nov. 29, 1938.		

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 282		
Near center of sink, Life Insurance Co. of Virginia, 300 feet north of well 280.		
Dark-gray clay	1	1
Sandy reddish-brown clay	6	7
Sandy gray clay	4	11
Red sand and yellow clay	4	15
Sandy white clay	4	19
Red sand and clay	4	23
Red sand and yellow clay	6	29
White sand and clay	5	34
Red clay and chalk	2	36
November 29, 1938.		
Well 283		
Near center of sink, Life Insurance Co. of Virginia, 450 feet north of well 280.		
Dark-gray clay	3	3
Sandy red clay	4	7
Gray clay	7	14
Yellow clay	11	25
Sandy whitish-yellow clay	8	33
Sandy red clay	9	42
November 29, 1938.		
Well 284		
Center of sink, Life Insurance Co. of Virginia, 600 feet north of well 280.		
Surface soil	1	1
Dark-gray clay	2	3
Sandy red clay	4	7
Gray clay	8	15
Grayish-yellow clay	10	25
Sandy white clay and chalk	6	31
Sandy pink-colored clay and chalk	4	35
November 28, 1938.		
Well 285		
Center of sink, Life Insurance Co. of Virginia, 750 feet north of well 280.		
Surface soil	1	1
Dark-gray clay	2	3
Sandy brown clay	3	6
Gray clay	7	13
Grayish-yellow clay	10	23
Sandy white clay and chalk	8	31
Rock		31
November 28, 1938.		
Well 286		
Center of sink, Life Insurance Co. of Virginia, 900 feet north of well 280.		
Surface soil	3	3
Sandy red soil	5	8
Gray clay	8	16
Well 286--Continued		
Grayish-yellow clay	8	24
Red sand and clay	3	27
November 28, 1938.		
Well 287		
Near center of sink, Life Insurance Co. of Virginia, 1,050 feet north of well 280		
Sandy red clay	10	10
Sandy gray clay	2	12
Gray clay and sand	3	15
Sandy gray clay	7	22
Gray clay and red sand	3	25
Gray clay with some red sand	3	28
Red sand and clay	2	30
Rock		30
November 28, 1938.		
Well 288		
North slope of sink, Life Insurance Co. of Virginia, 1,200 feet north of well 280.		
Surface soil	2	2
Sandy red clay	15	17
Sandy tan-colored clay and chalk	3	20
Red sand and chalk	3	23
Rock		23
November 22, 1938.		
Well 289		
North slope of sink, Life Insurance Co. of Virginia, 1,350 feet north of well 280.		
Surface soil	1	1
Sandy tan-colored clay and chalk	6	7
Sandy red clay and chalk	5	12
Reddish-white sand and chalk	3	15
Rock		15
November 22, 1938.		
Well 290		
North slope of sink, Life Insurance Co. of Virginia, 1,500 feet north of well 280.		
Sandy red clay and chalk	4	4
Sandy red clay	4	8
Sandy tan-colored clay and chalk	2	10
Red sand, clay, and chalk	6	16
Red sand	1	17
Rock		17
November 22, 1938.		

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 291		
North edge of sink, Life Insurance Co. of Virginia, 1,650 feet north of well 280.		
Sandy tan-colored clay and chalk	4	4
Sandy red clay	9	13
Sandy tan-colored clay and chalk	3	16
Rock		16
November 22, 1938.		
Well 292		
North edge of sink, Life Insurance Co. of Virginia, 1,800 feet north of well 280.		
Sandy tan-colored clay and chalk	4	4
Sandy red clay and chalk	4	8
Sandy red clay	9	17
Rock		17
November 22, 1938.		
Well 294		
East edge of sink, W. E. McLaughlin, NE cor NE¼ sec. 14, I. & G. N. R. R. survey, 3 miles west of Crosbyton.		
Surface soil	6	6
Sandy red clay	6	12
White chalk and sand	8	20
Rock		20
February 9, 1939.		
Well 295		
East slope of sink, W. E. McLaughlin tract, 150 feet west of well 294.		
Surface clay	7	7
Yellow sand and clay	2	9
Sandy yellow clay	6	15
Red sand and clay	3	18
Rock		18
February 9, 1939.		
Well 296		
Center of sink, W. E. McLaughlin tract, 300 feet west of well 294.		
Surface clay	10	10
Sandy red clay	1	11
Sandy yellow clay	10	21
Red sand and yellow clay	6	27
Red sand	13	40
February 9, 1939.		
Well 297		
Center of sink, W. E. McLaughlin tract, 450 feet west of well 294.		
Surface clay	10	10
Sandy red clay	2	12
Yellow clay	9	21
Red sand and yellow clay	3	24
February 9, 1939.		
Well 298		
Center of sink, W. E. McLaughlin tract, 600 feet west of well 294.		
Surface clay	11	11
Sandy red clay	1	12
Yellow clay	3	15
White sand	2	17
Yellow clay	7	24
Red sand and yellow clay	3	27
Yellow and red sand	3	30
Red sand	7	37
Reddish-white sand	3	40
February 10, 1939.		
Well 299		
West slope of sink, W. E. McLaughlin tract, 750 feet west of well 294.		
Surface clay	10	10
Red sand and yellow clay	2	12
Sandy yellow clay	4	16
Yellowish-white sand	2	18
Sandy yellow clay	8	26
Red and yellow sand	5	31
Red sand	5	36
February 10, 1939.		
Well 300		
West slope of sink, W. E. McLaughlin tract, 900 feet west of well 294.		
Surface clay	8	8
Sandy yellow clay	7	15
Red sand and yellow clay	5	20
Sandy yellow clay	5	25
February 10, 1939.		
Well 304		
North side of sink, McCurty Est., SW¼SW¼ sec. 16, I. & G. N. R. R. Survey, 6 miles west of Crosbyton.		
Surface soil	1	1
Sandy tan-colored clay and chalk	7	8
Sandy grayish-white clay and chalk	1	9
Sandy red clay and chalk	1	10
Sandy gray clay and chalk	6	16
Reddish sand and gray clay	4	20
November 8, 1938.		

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 305		
North side of sink, McCurty Est., 150 feet south of well 304.		
Surface soil - - - - -	3	3
Sandy brown clay - - -	1	4
Sandy gray clay and chalk	1	5
Red clay and sand - --	2	7
Chalk and gray clay --	3	10
Chalk and red clay - -	1	11
Sandy red clay and chalk	2	13
Sandy white clay - - -	2	15
Sandy red clay and chalk	11	26
November 4, 1938.		
Well 306		
Center of sink, McCurty Est., 300 feet south of well 304.		
Surface soil - - - - -	3	3
Sandy gray clay - - --	3	6
Sandy reddish-brown clay	2	8
Sandy gray clay and chalk	4	12
Red sand and gray clay	3	15
Sandy gray clay - - --	2	17
Sandy red clay and chalk	5	22
Grayish-white sand - -	2	24
Reddish-white sand and chalk	6	30
November 4, 1938.		
Well 307		
Center of sink, McCurty Est., 450 feet south of well 304.		
Surface soil - - - - -	6	6
Sandy yellowish-gray clay	5	11
Yellow clay and red sand	4	15
Sandy red clay - - - -	1	16
Sandy red clay and chalk	2	18
Chalk with yellow clay and red sand - - - - --	1	19
Yellow clay and red sand	1	20
Chalk with yellow clay and red sand - - - - --	1	21
Red sand and clay - --	1	22
Grayish-yellow sand, little clay - - - - - - --	5	27
Red sand and yellow clay	1	28
Red sand and yellow clay and chalk - - - - -	2	30
Sandy white clay - - -	1	31
Tan clay, sand, and chalk	1	32
November 5, 1938.		
Well 308		
Center of sink, McCurty Est., 600 feet south of well 304.		
Surface soil - - - - -	6	6

	Thickness (feet)	Depth (feet)
Well 308--Continued		
Sandy yellow clay - -	2	8
White sand - - - - - -	1	9
Yellow clay and sand -	7	16
Sandy red clay and chalk	7	23
Red sand and yellow clay	5	28
Sandy white clay and chalk	5	33
Sandy red clay - - - -	2	35
Sandy white clay and chalk	1	36
Rock - - - - - - - - - -		36
November 5, 1938.		
Well 309		
Near south side of sink, McCurty Est., 750 feet south of well 304.		
Surface soil - - - - -	1	1
Grayish-yellow sand with clay - - - - - - --	2	3
Sandy grayish-red clay	2	5
Grayish-yellow sand --	1	6
Yellow clay and red sand	2	8
Sandy red clay - - - -	5	13
White chalky clay - --	1	14
Red sand, chalk, and clay	5	19
Sandy red clay - - - -	4	23
Sandy red clay and chalk	11	34
Rock - - - - - - - - - -		34
November 8, 1938.		
Well 310		
South side of sink, McCurty Est., NW¼NW¼ sec. 11, I. & G. N. R. R. survey, 150 feet south of well 309, 6 miles west of Crosbyton.		
Surface soil - - - - -	2	2
Sandy gray clay - - --	2	4
Sandy red clay and chalk	18	22
Sandy red clay - - - -	3	25
Sandy red clay and chalk	2	27
November 8, 1938.		
Well 311		
Near center of sink, McCurty Est., 300 feet east of SW cor. SW¼ sec. 16, I. & G. N. R. R. survey, 6 miles west of Crosbyton.		
Surface soil - - - - -	4	4
Yellow clay and red sand	4	8
White chalky clay - --	2	10
Sandy yellow clay and chalk	4	14
Sandy white chalky clay	2	16
Yellow clay and red sand	1	17
Red clay and chalk - -	3	20
Sandy red clay - - - -	9	29
Rock - - - - - - - - - -		29
November 9, 1938.		

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 312		
Center of sink, McCurty Est., 225 feet north of well 311.		
Surface soil - - - - -	8	8
Grayish-yellow clay --	8	16
Sandy yellow clay - --	4	20
Red clay and chalk - -	1	21
White chalk - - - - --	1	22
Sandy red clay, and chalk with some sand	4	26
November 9, 1938.		
Well 313		
Center of sink, McCurty Est., 375 feet north of well 311.		
Surface soil - - - - -	6	6
Grayish-yellow clay --	11	17
Yellow clay and red sand	7	24
Sandy red clay - - - -	4	28
Rock - - - - - - - - -		28
November 9, 1938.		
Well 314		
West side of sink, McCurty Est., 600 feet east and 225 feet north of SWcor. SW¼ sec. 16, I. & G. N. R. R. survey, 6 miles west of Crosbyton.		
Surface soil - - - - -	5	5
Yellow clay and sand -	2	7
White clay, chalk, and sand	5	12
Yellow clay, sand, and chalk	2	14
Sandy red clay - - - -	3	17
Yellow clay and red sand	2	19
Sandy yellow clay - --	3	22
Yellow clay and red sand	2	24
Sandy red clay - - - -	3	27
Rock - - - - - - - - -		27
November 9, 1938.		
Well 315		
North side of sink, Dollie M. Ralls tract, NEcor. NE¼ sec. 60, blk. 2, Morris C. S. L. 7½ miles west of Crosbyton.		
Surface soil - - - - -	2	2
Gray clay - - - - - --	1	3
White sand - - - - - -	1	4
Sandy white clay and chalk	2	6
White clay and chalk -	1	7
Sandy tan-colored clay and chalk - - - - - - -	1	8
White chalk and clay -	4	12
Sandy red clay and chalk	6	18
Rock - - - - - - - - -		18
November 2, 1938.		

	Thickness (feet)	Depth (feet)
Well 316		
Center of sink, Dollie M. Ralls tract, 0.1 mile south of well 315.		
Surface soil - - - - -	1	1
Gray clay - - - - - --	8	9
Yellowish-gray clay and sand - - - - - - --	6	15
White sand - - - - - -	1	16
Sandy red clay - - - -	5	21
Fine-grained gray sand and clay - - - - --	4	25
Sandy white clay and chalk	5	30
Rock - - - - - - - - -		30
November 2, 1938.		
Well 317		
Center of sink, Dollie M. Ralls tract, 0.2 mile south of well 315.		
Surface soil - - - - -	1	1
Gray clay - - - - - --	7	8
Yellowish-gray clay --	16	24
Sandy yellow clay and chalk - - - - - - -	7	31
November 2, 1938.		
Well 318		
Near center of sink, Dollie M. Ralls tract, 0.3 mile south of well 315.		
Surface soil - - - - -	2	2
Gray clay - - - - - --	2	4
White sand - - - - - -	1	5
Sandy yellow clay - --	9	14
Clay, sand, and chalk-	7	21
Sandy yellowish-gray clay	7	28
November 2, 1938.		
Well 320		
Center of sink, W. E. McLaughlin tract, center of north side, sec. 2, blk. A-279, Morris C. S. L., 7½ miles west of Crosbyton.		
Surface soil - - - - -	3	3
Sandy yellow clay - --	19	22
Yellow sand with some clay - - - - - - --	2	24
Rock - - - - - - - - -		24
November 10, 1938.		
Well 321		
Center of sink, W. E. McLaughlin tract, 150 feet east of well 320.		
Surface soil - - - - -	3	3
Sandy yellow clay - --	7	10
Yellow sand - - - - --	1	11

(Continued on next page)

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 321--Continued		
Yellow sand, clay and chalk-	11	22
Rock - - - - - -		22
Nov. 10, 1938.		
Well 322		
Near center of sink, W. E. McLaughlin tract, 300 feet east of well 320.		
Surface soil - - - - -	2	2
White clay - - - - - -	1	3
Yellowish-white sand - -	2	5
Sandy yellow clay - - -	2	7
Yellowish-white sand - -	2	9
Yellow clay and red sand -	3	12
Brown sand and yellow clay--	8	20
Sandy chalky white clay - -	1	21
Red sand and chalky clay -	4	25
Sandy chalky white clay - -	2	27
Rock - - - - - - -		27
Nov. 10, 1938.		
Well 323		
East ridge of sink, W. E. McLaughlin tract, 600 feet east of well 320.		
Surface soil - - - - -	2	2
Sandy white clay - - -	2	4
Sandy tan-colored clay - -	2	6
Sandy white clay and chalk-	4	10
Sandy tan-colored clay and some chalk - - - -	5	15
Sandy yellow clay - - -	2	17
Sandy light-red clay and chalk - - - - - -	2	19
Rock - - - - - - -		19
Nov. 10, 1938.		
Well 344		
Flat, John Robertson tract, SE¼SE¼ sec. 19, blk. C, 16 miles west of Crosbyton.		
Surface soil - - - - -	3	3
Soil and clay - - - - -	2	5
Caliche - - - - - -	4	9
Red clay - - - - - -	5	14
Red clay and chalk - -	1	15
Sandy white clay and chalk-	1	16
Sandy red clay and chalk -	1	17
Sandy red clay - - - -	1	18
White sand and chalk - -	1	19
Oct. 19, 1938.		
Well 402		
North slope of sink, J. A. Wright tract, NW¼NW¼ J. W. Weir survey, 17 miles west of Crosbyton.		
Sandy tan-colored clay and chalk - - - - - -	5	5
Sandy yellow clay and some chalk - - - - - -	4	9
Sandy red clay - - -	3	12
Sandy tan-colored clay and chalk - - - - - -	3	15
Sandy white clay and chalk	4	19
Gray clay - - - - - -	1	20
Rock - - - - - - -		20
Jan. 3, 1939.		
Well 403		
J. A. Wright tract, 150 feet south of well 402.		
Surface soil - - - - -	1	1
Gray sand - - - - - -	1	2
Sandy white clay and chalk	2	4
Sandy tan-colored clay and chalk - - - - - -	4	8
Sandy yellow clay and chalk	3	11
Sandy tan-colored clay and chalk - - - - - -	4	15
Sandy red clay - - -	6	21
Jan. 3, 1939.		
Well 404		
J. A. Wright tract, 300 feet south of well 402.		
Gray clay with some sand -	4	4
Yellow sand with some clay - - - - - -	4	8
Sandy tan-colored clay and chalk - - - - - -	4	12
Red sand - - - - -	8	20
Jan. 3, 1939.		
Well 405		
J. A. Wright tract, 450 feet south of well 402.		
Gray clay - - - - -	7	7
Yellow and white sand -	1	8
Sandy yellow clay - -	2	10
Yellow clay and chalk -	3	13
Sandy yellow clay and chalk - - - - -	4	17
Rock - - - - - -		17
Jan. 3, 1939.		
Well 406		
J. A. Wright tract, 600 feet south of well 402.		
Surface sand - - - -	3	3
Gray clay - - - -	3	6

(Continued on next page)

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 406--Continued		
Sandy grayish-yellow clay	6	12
Sandy yellow clay - -	2	14
Yellow sand - - - - - -	1	15
Yellow sand (damp) - -	1	16
Yellow clay - - - - - -	3	19
Yellow sand with some clay	9	28
Yellow sand and chalk-	2	30
Rock - - - - - - - - -		30
January 3, 1939.		

Well 407

J. A. Wright tract, 750 feet south of well 402.

Surface sand - - - - -	2	2
Gray clay - - - - - -	3	5
Grayish-yellow clay - -	7	12
Sandy yellow clay - - -	2	14
Red sand and yellow clay	2	16
Sandy yellow clay - - -	10	26
Yellow sand - - - - - -	1	27
Chalky white clay and sand	1	28
Rock - - - - - - - - -		28
January 3, 1939.		

Well 408

J. A. Wright tract, 900 feet south of well 402.

Sandy gray clay - - - -	10	10
Sandy yellow clay - - -	3	13
Yellow sand with some clay	6	19
Sandy yellow clay - - -	3	22
Yellow sand, chalk, and clay - - - - - - -	3	25
Rock - - - - - - - - -		25
January 4, 1939.		

Well 409

J. A. Wright tract, 1,050 feet south of well 402.

Surface soil - - - - -	1	1
Sandy gray clay - - - -	8	9
Sandy yellow clay - - -	2	11
Yellow sand and clay -	6	17
January 4, 1939.		

Well 410

J. A. Wright tract, 1,200 feet south of well 402.

Surface soil - - - - -	1	1
Gray clay - - - - - -	2	3
Yellow sand and chalk-	4	7
Yellow sand with some clay	10	17
Yellowish-white sand, chalk, and clay - - - - -	12	29
Rock - - - - - - - - -		29
January 4, 1939.		

	Thickness (feet)	Depth (feet)
Well 411		
J. A. Wright tract 1,350 feet south of well 402.		
Surface soil - - - - -	2	2
Fine-grained white sand	1	3
Yellowish-white sand, chalk and clay - -	19	22
Rock - - - - - - - - -		22
January 4, 1939.		

Well 424

North slope of sink, R. J. Terrell tract, 1,200 feet south of NW cor. NW¼ sec. 1,009, blk. C-3, 13½ miles west of Crosbyton.

Surface sand - - - - -	4	4
Chalk - - - - - - - - -	1	5
Sandy tan-colored clay and chalk - - - - -	6	11
Red sand - - - - - - -	5	16
Rock - - - - - - - - -		16
January 4, 1939.		

Well 425

North edge of sink, R. J. Terrell tract, 300 feet south of well 424.

Surface soil - - - - -	2	2
Gray clay and sand - -	2	4
Sandy tan-colored clay and chalk - - - - -	4	8
Yellow sand - - - - - -	1	9
Red and yellow sand - -	1	10
Chalky, sandy white clay	3	13
Sandy red clay - - - -	3	16
Rock - - - - - - - - -		16
January 4, 1939.		

Well 426

North slope of sink, R. J. Terrell tract, 450 feet south of well 424.

Surface soil - - - - -	2	2
Gray sandy clay - - - -	4	6
Yellow sand - - - - - -	2	8
Yellowish-gray sandy clay	9	17
Rusty yellow sandy clay	7	24
Yellow sand, little clay	4	28
White chalky clay - - -	2	30
January 5, 1939.		

Well 427

North slope of sink, R. J. Terrell tract 600 feet south of well 424.

Gray clay - - - - - - -	7	7
Yellow sand - - - - - -	2	9
Sandy yellow clay - - -	13	22
White chalk and clay -	6	28

(Continued on next page)

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 427--Continued		
Rock		28
January 5, 1939.		
Well 428		
Center of sink, R. J. Terrell tract, 750 feet south of well 424.		
Gray clay	6	6
Sandy yellow clay	19	25
Chalky white clay	4	29
Rock		29
January 5, 1939.		
Well 429		
Center of sink, R. J. Terrell tract, 900 feet south of well 424.		
Gray clay	6	6
Sandy yellowish-gray clay	4	10
Red sand, yellow sand and clay	5	15
Sandy yellow clay	9	24
Yellow sand	2	26
Rock		26
January 5, 1939.		
Well 430		
South slope of sink, R. J. Terrell tract, 1,050 feet south of well 424.		
Gray clay	4	4
Sandy yellow clay and chalk	12	16
Yellow sand	5	21
Yellow sand, chalk and clay	2	23
Rock		23
January 5, 1939.		
Well 431		
South slope of sink, R. J. Terrell tract, 1,200 feet south of well 424.		
Surface soil	1	1
Sandy gray clay	3	4
Chalky sandy yellow clay	12	16
Chalky white clay	5	21
Rock		21
January 6, 1939.		
Well 440		
North slope of sink, T. B. Owens tract, 600 feet north of SW cor. SW¼ sec. 12, Stephens C. S. L., 12 miles southwest of Crosbyton.		
Sandy surface soil	5	5
Red clay and chalk	3	8
Sandy red clay	5	13
Red sand and chalk	6	19
Rock		19
January 19, 1939.		
Well 441		
Center of sink, T. B. Owens tract, 150 feet south of well 440.		
Gray clay	13	13
Red sand and yellow clay	8	21
Sandy yellow clay with some red sand	3	24
Red sand and chalk	6	30
Rock		30
January 19, 1939.		
Well 442		
South slope of sink, T. B. Owens tract, 450 feet south of well 440.		
Surface soil	4	4
Yellow clay and chalk	3	7
Sandy red clay and chalk	8	15
White sand and chalk with some red sand	12	27
January 20, 1939.		
Well 443		
South slope of sink, T. B. Owens tract, 600 feet south of well 440.		
Surface soil	1	1
Red soil	2	3
Sandy red clay and chalk	13	16
Chalky sandy pink-colored clay	8	24
January 20, 1939.		
Well 452		
South slope of sink, T. B. Owens tract, 450 feet south of NW cor. NW¼ sec. 13, Stephens C. S. L., 10½ miles southwest of Crosbyton.		
Surface soil	3	3
Yellow sand	1	4
Chalky white clay	10	14
January 19, 1939.		
Well 453		
South slope of sink, T. B. Owens tract, 150 feet north of well 452.		
Surface soil	6	6
Sandy yellow clay and chalk	11	17
Yellow sand	6	23
Rock		23
January 19, 1939.		
Well 454		
South slope of sink, T. B. Owens tract, 300 feet north of well 452.		
Sandy surface soil	6	6

(Continued on next page)

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 454--Continued		
Red sand	2	8
Sandy yellow clay and chalk	10	18
Sandy yellow clay	5	23
Rock		23
January 19, 1939.		

Well 455

South slope of sink, T. B. Owens tract, 450 feet north of well 452, in SW cor. SW¼ sec. 12, Stephens C. S. L., 10½ miles southwest of Crosbyton.

Black surface soil	7	7
Sandy yellow clay	5	12
Chalky white clay	11	23
Rock		23
January 19, 1939.		

Well 456

Center of sink, T. B. Owens tract, 300 feet north of well 455.

Black surface soil	8	8
Sandy yellow clay	14	22
Rock		22
January 18, 1939.		

Well 457

Center of sink, T. B. Owens tract, 450 feet north of well 455.

Gray surface clay	8	8
Sandy yellow clay	9	17
Red sand and yellow clay	5	22
Yellow sand and chalk	2	24
Rock		24
January 18, 1939.		

Well 458

Center of sink, T. B. Owens tract, 600 feet north of well 455.

Gray surface clay	7	7
Sandy yellow clay	7	14
Red sand and yellow clay	10	24
Rock		24
January 18, 1939.		

Well 459

Center of sink, T. B. Owens tract, 750 feet north of well 455.

Gray and black clay and soil	5	5
Sandy yellow clay and chalk	8	13
Red sand	6	19
Red sand and yellow clay	4	23
Rock		23
January 18, 1939.		

Well 460

North slope of sink, T. B. Owens tract, 900 feet north of well 455.

Black surface soil	4	4
Sandy red clay	3	7
Sandy gray clay and chalk	2	9
Red sand with some clay	6	15
Sandy yellow clay and chalk	6	21
Rock		21
January 18, 1939.		

Well 461

North slope of sink, T. B. Owens tract, 1,050 feet north of well 455.

Sandy red clay	5	5
Yellow sand, clay, and chalk	3	8
Red sand with some clay	3	11
Yellow sand	2	13
Yellow sand and chalk	5	18
Red sand and yellow clay	4	22
Rock		22
January 18, 1939.		

Well 464

North slope, J. M. Rankin tract, 600 feet south of NW cor. NW¼ sec. 9, blk. 1, I. & G. N. R. R. survey, 7 miles southwest of Crosbyton.

Surface soil	7	7
Chalky sandy white clay	14	21
Rock		21
January 24, 1939.		7

Well 465

North slope of sink, J. M. Rankin tract, 150 feet south of well 464.

Surface soil	8	8
Sandy yellow clay	10	18
Rock		18
January 24, 1939.		

Well 466

Center of sink, J. M. Rankin tract, 300 feet south of well 464.

Surface soil	9	9
Sandy yellow clay	9	18
Chalky white clay	2	20
January 24, 1939.		

Well 467

Center of sink, J. M. Rankin tract, 450 feet south of well 464.

Surface soil	9	9

(Continued on next page)

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 467--Continued		
Sandy yellow clay - -	12	21
Chalky white clay - --	2	23
Rock - - - - - - - - -		23
January 25, 1939.		
Well 468		
Center of sink, J. M. Rankin tract, 600 feet south of well 464.		
Surface soil - - - - -	8	8
Sandy yellow clay - --	14	22
Yellow clay and red sand	2	24
Sandy yellow clay - --	3	27
Rock - - - - - - - - -		27
January 25, 1939.		
Well 469		
Center of sink, J. M. Rankin tract, 750 feet south of well 464.		
Surface soil - - - - -	5	5
Whitish-red sand, clay, and chalk - - - - -	12	17
Sandy yellow clay - --	6	23
Rock - - - - - - - - -		23
January 25, 1939.		
Well 470		
South slope of sink, J. M. Rankin tract, 900 feet south of well 464.		
Surface soil - - - - -	4	4
Sandy red clay - - - -	16	20
Sandy yellow clay - --	4	24
Rock - - - - - - - - -		24
January 25, 1939.		
Well 472		
South slope of sink, San Antonio Joint Stock Land Bank tract, 600 feet south of N. cor. NW¼ sec. 10, blk. 1, I. & G. N. R. R. survey, 6½ miles southwest of Crosbyton.		
Surface soil - - - - -	4	4
Sandy gray clay - - --	2	6
Yellow and white sand-	1	7
Sandy yellow clay - --	11	18
Rock - - - - - - - - -		18
January 24, 1938.		
Well 473		
South slope of sink, San Antonio Joint Stock Land Bank tract, 150 feet north of well 472.		
Surface soil - - - - -	5	5
Sandy yellow clay - --	2	7
Sandy red clay - - - -	2	9
Chalky white clay - --	2	11

	Thickness (feet)	Depth (feet)
Well 473--Continued		
Yellow sand - - - - -	1	12
Red sand and clay - --	3	15
Yellow sand and clay -	5	20
Rock - - - - - - - - -		20
January 24, 1939.		
Well 474		
South slope of sink, San Antonio Joint Stock Land Bank tract, 300 feet north of well 472.		
Surface soil - - - - -	6	6
Sandy red clay - - - -	2	8
Chalky white clay - --	2	10
Red sand and yellow clay	8	18
Yellow sand - - - - - -	3	21
Sandy yellow clay - --	4	25
Rock - - - - - - - - -		25
January 24, 1939.		
Well 475		
South side of sink, San Antonio Joint Stock Land Bank tract, 450 feet north of well 473.		
Surface soil - - - - -	7	7
Red sandy clay - - - -	6	13
Yellow sandy clay - --	10	23
Yellow sand - - - - --	2	25
Yellow sandy clay - --	3	28
January 24, 1939.		
Well 476		
Center of sink, A. P. Couch tract, 600 feet north of well 472, in SW cor. SW¼ sec. 11, blk. 1, I.&G.N.R.R. survey, 6½ miles southwest of Crosbyton.		
Surface soil - - - - -	7	7
Sandy red clay - - - -	8	15
Rock - - - - - - - - -	16	31
January 23, 1939.		
Well 477		
Center of sink, A. P. Couch tract, 150 feet north of well 476.		
Surface soil - - - - -	7	7
Sandy tan-colored clay	8	15
Sandy yellow clay - --	16	31
Yellowish-white sand -	1	32
Rock - - - - - - - - -		32
January 23, 1939.		
Well 478		
Center of sink, A. P. Couch tract, 300 feet north of well 476.		
Surface soil - - - - -	7	7

(Continued on next page)

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 478--Continued		
Sandy tan-colored clay	8	15
Yellow sand - - - - - --	14	29
White sand - - - - - - -	1	30
Rock - - - - - - - - - -		30
January 21, 1939.		

Well 479

Center of sink, A. P. Couch tract, 450 feet north of well 476.

Surface soil - - - - -	6	6
Sandy red clay and chalk	9	15
Yellow clay and sand --	13	28
Rock - - - - - - - - --		28
January 21, 1939.		

Well 480

Center of sink, A. P. Couch tract, 600 feet north of well 476.

Surface soil - - - - -	6	6
Sandy red clay and some chalk - - - - - - -	8	14
Sandy yellow clay - --	5	19
Yellow sand - - - - --	1	20
Yellow sand and clay -	4	24
Rock - - - - - - - - -		24
January 21, 1939.		

Well 481

Center of sink, A. P. Couch tract, 750 feet north of well 476.

Surface soil - - - - -	4	4
Sandy red clay with some chalk - - - - - - -	9	13
Yellow sand - - - - --	3	16
Sandy yellow clay - --	3	19
January 21, 1939.		

Well 482

North slope of sink, A. P. Couch tract, 900 feet north of well 476.

Surface soil - - - - -	3	3
Sandy red clay - - - -	3	6
White chalk, clay, and sand - - - - - - --	5	11
Sandy red clay - - - -	2	13
Sandy yellow clay and red sand - - - - - - --	3	16
Sandy white clay and chalk	4	20
Rock - - - - - - - - -		20
January 21, 1939.		

Well 483

North slope of sink, A. P. Couch tract, 1,050 feet north of well 476.

Surface soil - - - - -	4	4
Well 483--Continued		
Sandy tan-colored clay and chalk - - - - -	11	15
Rock - - - - - - - - -		15
January 21, 1939.		

Well 484

North slope of sink, A. P. Couch tract, 1,200 feet north of well 476.

Surface soil - - - - -	3	3
Sandy tan-colored clay and chalk - - - - -	8	11
Rock - - - - - - - - -		11
January 21, 1939.		

Well 491

East slope of sink, L. M. Abel tract, 300 feet east of NW cor. NE¼ sec. 26, blk. 2, W. C. R. R. survey, 7½ miles south of Crosbyton.

Surface soil - - - - -	1	1
Sandy tan-colored clay	2	5
White chalk and clay -	4	7
Sandy tan-colored clay and chalk - - - - -	2	9
Sandy yellow and white clay - - - - - - --	6	15
Rock - - - - - - - - -		15
December 27, 1938.		

Well 492

East slope of sink, L. M. Abel tract, 150 feet west of well 491.

Surface soil - - - - -	1	1
Sandy gray clay - - --	2	3
Tan-colored sand and yellow clay - - - -	1	4
Sandy white clay and chalk - - - - - ---	8	12
Rock - - - - - - - - -		12
December 27, 1938.		

Well 493

East slope of sink, L. M. Abel tract, 300 feet west of well 491.

Surface soil - - - - -	1	1
Sandy gray clay - - --	5	6
Sandy yellow clay - --	1	7
Yellow sand with some clay - - - - - - --	3	10
Sandy yellow clay and chalk - - - - - - -	1	11
Rock - - - - - - - - -		11
December 27, 1938.		

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 494		
East slope of sink, L. M. Abel tract, 450 feet west of well 491.		
Surface soil	1	1
Sandy gray clay	5	6
Sandy white clay and chalk	4	10
Sandy yellow clay	1	11
Rock		11
December 27, 1938.		
Well 495		
East slope of sink, L. M. Abel tract, 600 feet west of well 491.		
Surface soil	2	2
Yellow sand	1	3
Sandy yellow clay	2	5
Sandy tan-colored clay and chalk	5	10
Yellow sand	1	11
Rock		11
December 27, 1938.		
Well 496		
Center of sink, L. M. Abel tract, 750 feet west of well 491.		
Gray clay	1	1
Chalky yellowish-white clay and sand	3	4
Sandy tan-colored clay and chalk	3	7
Yellow sand	2	9
Red sand and yellow clay	2	11
Yellow sand	1	12
Sandy yellow clay	2	14
Rock		14
December 27, 1938.		
Well 497		
Center of sink, L. M. Abel tract, 900 feet west of well 491.		
Dark-colored clay	3	3
Gray clay	3	6
Sandy tan-colored clay	4	10
Sandy yellow clay	2	12
Yellow sand	3	15
Sandy yellow clay	4	19
Yellow sand	1	20
Rock		20
December 27, 1938.		
Well 498		
Center of sink, L. M. Abel tract, 1,050 feet west of well 491.		
Dark clay	5	5
Yellow clay	13	18
Well 498--Continued		
Yellow sand	1	19
White sand	2	21
Yellow sandy clay	5	26
Yellow sand, little clay	4	30
December 27, 1938.		
Well 499		
Center of sink, L. M. Abel tract, 1,300 feet west of well 491.		
Dark-gray clay	6	6
Sandy grayish-yellow clay	18	24
Yellow clay	6	30
Yellow sand	2	32
Yellow sand, clay, and chalk	4	36
December 27, 1938.		
Well 500		
Center of sink, L. M. Abel tract, 1,450 feet west of well 491.		
Dark-gray clay	6	6
Yellow clay	6	12
Yellow clay and chalk	3	15
Sandy grayish-yellow clay	13	28
Yellow clay	6	34
Yellowish-white sand and clay	1	35
Reddish-white sand and chalk	2	37
December 28, 1938.		
Well 501		
Center of sink, L. M. Abel tract, 1,500 feet west of well 491.		
Dark-gray clay	6	6
Sandy yellow clay	3	9
Sandy brown clay	3	12
Sandy grayish-yellow clay	7	19
Yellow clay	14	33
December 28, 1938.		
Well 502		
Center of sink, L. M. Abel tract, 1,650 feet west of well 491.		
Gray clay	4	4
Chalky yellow clay	4	8
Red sand and yellow clay	3	11
Grayish-yellow clay	8	19
Sandy yellowish-gray clay	9	28
December 28, 1938.		

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 503		
Center of sink, L. M. Abel tract, 1,800 feet west of well 491.		
Gray clay - - - - - -	2	2
Whitish-brown sand - -	1	3
Red clay - - - - - - -	8	11
Yellowish-gray clay and chalk with some sand	22	33
Rock - - - - - - - - -		33
December 29, 1938.		
Well 504		
Center of sink, L. M. Abel tract, 2,040 feet west of well 491.		
Red clay and chalk - -	3	3
Red clay - - - - - - -	8	11
Yellowish-gray clay --	15	26
Yellow sand with some chalk	6	32
Red sand, clay, and chalk	1	33
Rock - - - - - - - - -		33
December 29, 1938.		
Well 505		
Center of sink, L. M. Abel tract, 2,190 feet west of well 491.		
Sandy red clay - - - -	3	3
Red clay and chalk - -	4	7
Red sand and yellow clay	6	13
Yellow clay - - - - --	11	24
Yellow sand and clay -	1	25
Yellow clay - - - - --	1	26
Yellow sand and clay -	4	30
December 29, 1938.		
Well 506		
West slope of sink, L. M. Abel tract, 2,340 feet west of well 491.		
Sandy red clay - - - -	3	3
Red clay and chalk rock	7	10
Yellow clay and chalk-	4	14
Red sand and yellow clay	1	15
Rock - - - - - - - - -		15
December 29, 1938.		
Well 507		
West slope of sink, 2,490 feet west of well 491.		
Dark-colored clay - -	2	2
Yellow sand - - - - --	1	3
Red clay and sand - --	2	5
Sandy gray clay and chalk	4	9
Yellow sand with some chalk	3	12
Rock - - - - - - - - --		12
December 29, 1938.		

	Thickness (feet)	Depth (feet)
Well 512		
South slope of sink, Morgan Jones Est., 1,800 feet south of NW cor. NW¼ sec. 10, blk. 2, W. C. R. R. survey, 6 miles south of Crosbyton.		
Dark-colored clay - --	1	1
Red sand and yellow clay	1	2
Sandy red clay - - - -	3	5
Chalky sandy red clay-	3	8
Yellow sand and clay--	3	11
Yellow clay with small rocks - - - - - - -	1	12
Rock - - - - - - - - --		12
December 22, 1938.		
Well 513		
South slope of sink, Morgan Jones Est. 150 feet north of well 512.		
Sandy yellow clay- - -	3	3
Sandy red clay - - - -	7	10
Yellow sand with some clay - - - - - - --	4	14
Sandy white clay - - -	2	16
Rock - - - - - - - - -		16
December 22, 1938.		
Well 514		
South slope of sink, Morgan Jones Est., 300 feet north of well 512.		
Dark-colored clay - -	2	2
Sandy brown clay - - -	2	4
Yellow sand and clay -	1	5
Sandy red clay - - - -	4	9
Yellow sand and clay -	4	13
Red sand and yellow clay	3	16
Yellow sand and clay -	2	18
Sandy yellow clay - --	4	22
Rock - - - - - - - - -		22
December 22, 1938.		
Well 515		
South slope of sink, Morgan Jones Est., 450 feet north of well 512.		
Dark-colored clay - -	3	3
Sandy dark-yellow clay	3	6
Yellow sand and clay -	1	7
Brown sand and yellow clay - - - - - - --	3	10
Sandy yellow clay - --	9	19
Yellowish-white sand -	2	21
Sandy yellow clay - --	4	25
Yellow sand, clay, and chalk - - - - - - -	5	30
Rock - - - - - - - - -		30
December 22, 1938.		

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 516		
South slope of sink, Morgan Jones Est., 600 feet north of well 512.		
Dark-colored clay - -	3	3
Sandy brown and yellow clay	6	9
Yellowish-white sand -	3	12
Yellow clay - - - - --	5	17
Yellow sand and clay -	1	18
Sandy yellow clay - --	8	26
Yellow sand and clay -	1	27
Sandy yellow clay - --	5	32
Yellow sand and clay -	8	40
December 21, 1938.		
Well 517		
South slope of sink, Morgan Jones Est., 750 feet north of well 512.		
Dark-colored clay - -	3	3
Sandy brown clay - - -	5	8
Sandy yellow clay - --	5	13
Yellow sand and clay -	1	14
Yellow clay - - - - --	16	30
Brown sand and yellow clay	2	32
Red sand and yellow clay	3	35
Fine-grained white sand	1	36
December 21, 1938.		
Well 518		
Center of sink, Morgan Jones Est., 900 feet north of well 512.		
Dark-colored clay - -	2	2
Whitish sand and clay-	1	3
Yellow clay and chalk	1	4
Brown sand and yellow clay	2	6
Yellow clay - - - - --	22	28
Red sand and yellow clay	9	37
Red sand and clay - --	3	40
December 21, 1938.		
Well 519		
Center of sink, Morgan Jones Est., 1,050 feet north of well 512.		
Dark-colored clay - -	3	3
Brown clay - - - - - -	1	4
Yellow clay and sand -	3	7
Yellow clay - - - - --	23	30
Yellow sand and clay -	3	33
Yellow clay and red sand	3	36
December 21, 1938.		
Well 520		
Center of sink, Morgan Jones Est., 1,200 feet north of well 512.		
Dark-colored clay - -	3	3
Sandy brown clay - - -	2	5
Yellow clay - - - - -	14	19
Sandy yellow clay - --	4	23
Yellow sand - - - - --	2	25
Yellow sand and clay -	10	35
Sandy yellowish-white clay and chalk - --	3	38
Red sand - - - - - - -	2	40
December 20, 1938.		
Well 521		
Center of sink, Morgan Jones Est., 1,350 feet north of well 512.		
Dark-colored clay - -	3	3
Sandy brown clay - - -	4	7
Yellow clay - - - - --	13	20
Yellow sand and clay -	6	26
Red sand and yellow clay	5	31
Red sand - - - - - - -	2	33
December 20, 1938.		
Well 522		
Center of sink, Morgan Jones Est., 1,500 feet north of well 512.		
Dark-colored clay - -	7	7
Yellow clay - - - - --	9	16
Sandy reddish-yellow clay	4	20
Yellow sand and clay -	6	26
Red sand and yellow clay	6	32
Red sand - - - - - - -	8	40
December 20, 1938.		
Well 523		
North edge of sink, Morgan Jones Est., 1,650 feet north of well 512.		
Dark-colored clay - -	4	4
Sandy brown clay - --	5	9
Yellow clay - - - - --	8	17
Yellow clay and sand -	1	18
Yellow sand - - - - --	3	21
Reddish-yellow clay --	4	25
Yellowish-tan sand and clay - - - - - - --	2	27
Red sand and yellow clay	7	34
Red sand - - - - - - -	2	36
December 20, 1938.		
Well 524		
North edge of sink, Morgan Jones Est., SWcor. SW¼ sec. 11, blk. 2, W.C.R.R. survey, 1,800 feet north of well 512, 12½ miles south of Crosbyton.		
Dark-colored clay - -	5	5
Brownish-yellow clay -	4	9
Gray clay - - - - - --	8	17

(Continued on next page)

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 524--Continued		
Red sand and yellow clay	9	26
Red sand	1	27
Sandy tan-colored clay and chalk	2	29
Rock		29
December 19, 1938.		

Well 525

North edge of sink, Morgan Jones Est., 150 feet north of well 524.

Dark-colored clay	4	4
Sandy gray clay	1	5
Brown sand and gray clay	1	6
Sandy gray clay	1	7
Yellowish-gray sand	3	10
Sandy gray clay	1	11
Sandy white clay and chalk	2	13
Red sand, clay, and chalk	10	23
Rock		23
December 19, 1938.		

Well 526

North edge of sink, Morgan Jones Est., 450 feet north of well 524.

Sandy brown clay	2	2
Gray clay and brown sand	2	4
Sandy red clay	5	9
Sandy white clay and chalk	3	12
Sandy light-red clay	5	17
Rock		17
December 19, 1938.		

Well 527

North edge of sink, Morgan Jones Est., 600 feet north of well 524.

Sandy red clay and chalk	4	4
Sandy light-brown clay and chalk	1	5
Sandy red clay and chalk	7	12
Sandy white clay and chalk	6	18
Sandy red clay and chalk	5	23
Rock		23
December 19, 1938.		

Well 528

North slope of sink, Morgan Jones Est., 750 feet north of well 524.

Sandy red clay	3	3
Sandy tan-colored clay and chalk	2	5
Sandy red clay and chalk	3	8
Sandy tan-colored clay and chalk	7	15
Sandy light-tan-colored clay and chalk	2	17
Sandy red clay and chalk	6	23
Rock		23
December 19, 1938.		

Well 530

South slope of sink, C. E. Ellison tract 375 feet south of NE cor. NE¼ sec. 1, B. & B. survey, 3 miles south of Crosbyton.

Rust-colored clay	3	3
Chalky white clay	1	4
Sandy brown clay and chalk	3	7
Sandy yellow clay	5	12
Red sand and yellow clay	4	16
Rock		16
December 23, 1938.		

Well 531

Center of sink, C. E. Ellison tract, 150 feet north of well 530.

Dark-colored clay	4	4
Sandy red clay and chalk	4	8
Sandy yellow clay	6	14
Red sand and yellow clay	7	21
Rock		21
December 23, 1938.		

Well 532

Center of sink, C. E. Ellison tract, 300 feet north of well 530.

Dark-colored clay	3	3
Gray sand	3	6
Sandy yellow clay	11	17
Red sand and some yellow clay	2	19
Rock		19
December 23, 1938.		

Well 533

Center of sink, J. S. Schultz tract, 75 feet north of SE cor. SE¼ sec. 1, S. & M. survey, 150 feet north of well 532, 2¾ miles south of Crosbyton.

Dark-colored clay	6	6
Yellow clay	4	10
Yellow sand	3	13
Red sand and yellow clay	5	18
Yellowish-white sand, clay, and chalk	1	19
Rock		19
December 23, 1938.		

Logs of W. P. A. test wells in Crosby County--Continued

	Thickness (feet)	Depth (feet)
Well 534		
North slope of sink, J. S. Schultz tract, 150 feet north of well 533.		
Dark-gray clay - - - -	6	6
Yellow clay - - - - - -	4	10
Yellow sand - - - - - -	1	11
Red sand and yellow clay	3	14
Sandy white clay and chalk	2	16
Rock - - - - - - - - - -		16
December 23, 1938.		
Well 535		
North slope of sink, J. S. Schultz tract, 300 feet north of well 533.		
Dark-gray clay - - - -	6	6
Sandy yellow clay - - -	4	10
Red sand and yellow clay - - - - - - -	4	14
Yellow clay, chalk, and sand - - - - - -	2	16
Rock - - - - - - - - - -		16
December 23, 1938.		
Well 536		
North slope of sink, J. S. Schultz tract, 450 feet north of well 533.		
Dark-gray clay - - - -	6	6
Sandy yellow clay - - -	4	10
Sandy white clay and chalk - - - - - - - -	1	11
Rock - - - - - - - - - -		11
December 23, 1938.		
Well 537		
North slope of sink, J. S. Schultz tract, 600 feet north of well 533.		
Sandy brown clay - - -	1	1
Sandy gray clay - - - -	1	2
Sandy white clay - - -	3	5
Sandy red clay - - - -	4	9
Rock - - - - - - - - - -		9
December 23, 1938.		

Partial analyses of water from wells and springs in Crosby County, Texas

(Analyzed at The University of Texas under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry, and E. W. Lohr, Chemist, U. S. Department of the Interior, Geological Survey; by D. F. Riddell, and H. T. Davidson, Chemists; and Martin Wieland, Jack Ramsey, and D. C. Ebner, Assistant Chemists. Nitrate and fluoride determined by E. W. Lohr. Results are in parts per million. Well numbers correspond to numbers in table of well records.)

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
3-a	R. Jones Goode	107	Oct. 27, 1938	328	-	-	-	305	31	22	b/	-	-
5-a	do.	102	do.	456	-	-	-	275	88	68	b/	-	-
7-a	Mrs. Alice Hathway	106	do.	328	57	42	7	317	26	20	b/	-	316
9-a	Mrs. M. J. Wright	115	Oct. 18, 1938	319	34	52	19	354	14	11	b/	3.4	297
11-a	Walter Schluter	101	Oct. 28, 1938	348	36	45	32	293	61	30	b/	-	276
12-a	Velma Gills	125	do.	462	75	58	14	305	61	88	b/	2.6	426
14	G. W. Carter	101	Oct. 19, 1938	400	-	-	-	323	58	34	b/	-	-
15	Temple Trust Co.	100	Oct. 28, 1938	591	-	-	-	366	88	77	35	-	-
16	J. M. Cherry	150	Oct. 19, 1938	337	-	-	-	281	38	34	b/	-	-
17	Albert Cage	145	Oct. 28, 1938	329	-	-	-	299	35	22	b/	-	-
18	J. E. Harris & -- Tomlinson	130	Oct. 18, 1938	321	-	-	-	305	35	14	b/	-	-
22	Bertha Ewing	125	Oct. 20, 1938	338	48	43	16	268	46	35	b/	-	297
24	W. P. Andrews	170	do.	358	-	-	-	329	31	17	b/	-	-
25	M. E. Brockett	113	Oct. 17, 1938	369	-	-	-	372	31	13	b/	-	-
43	Fred Shell	143	Mar. 9, 1939	350	57	38	26	329	49	16	b/	3.4	298
49	John T. Boydston	180	Oct. 26, 1938	355	-	-	-	305	27	30	b/	-	-
54	D. C. Flurry	175	do.	319	-	-	-	293	38	16	b/	-	-
59	Minta F. Pass	154	Oct. 27, 1938	310	-	-	-	281	26	7	24	-	-
60	Hattie Spellings	190	Oct. 26, 1938	269	35	35	22	268	27	14	b/	4.0	231
69	Chas. Verett	157	Oct. 21, 1938	325	-	-	-	323	27	14	b/	-	-
70	L. L. Haney	180	Dec. 15, 1938	292	53	41	3	305	22	23	b/	-	300
72	J. R. McDuff	260	Dec. 9, 1938	289	50	37	9	293	30	19	b/	-	278
73	G. T. Blankenship	350	Jan. 16, 1939	279	43	34	19	293	22	17	b/	-	246
74	H. C. Edler	225	do.	268	50	38	-	287	21	18	b/	-	284
84	F. F. Rives	246	do.	278	-	-	-	281	22	11	b/	-	-
85	W. R. Love	248	do.	277	-	-	-	299	13	9	b/	-	-
86	L. A. Fowler	256	Dec. 9, 1938	244	53	26	6	281	14	7	b/	-	241
88	W. P. A. Test	35	Nov. 17, 1938	651	88	71	51	450	98	110	b/	5.3	514

a/ Nitrate less than 10 parts per million.

b/ Sulphate less than 20 parts per million.

Partial analyses of water from wells and springs in Crosby County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
89	W. P. A. Test	36	Nov. 17, 1938	262	32	44	6	256	28	26	b/	-	262
91	do.	40	Nov. 18, 1938	758	82	72	86	244	216	178	b/	4.2	499
92	do.	22	do.	356	41	38	43	317	49	29	b/	-	258
93	Geo. W. Smith	17	Mar. 6, 1939	429	55	44	52	409	49	23	b/	4.5	317
94	W. P. A. Test	9	Nov. 18, 1938	473	-	-	-	378	53	56	b/	-	-
95	do.	17	do.	477	43	53	70	482	48	26	b/	-	328
99	G. B. Parkhill	300	Dec. 9, 1938	265	51	35	3	293	16	16	b/	-	272
100	R. B. Smith	240	do.	229	-	-	-	244	13	7	b/	-	-
102	T. Taylor	243	Feb. 18, 1939	328	-	-	-	299	41	16	b/	-	-
103	S. M. Crawford	300	Mar. 2, 1939	296	-	-	-	293	24	14	b/	-	-
104	E. Lankford	261	Dec. 5, 1938	-	-	-	-	-	24	15	b/	-	-
110	W. E. Latta	260	do.	-	-	-	-	-	18	14	b/	-	-
111	Ralph Fowler	249	Nov. 14, 1938	296	49	31	26	311	17	16	b/	4.4	249
112	Glenford Fowler	247	do.	303	52	38	12	329	26	13	b/	-	289
113	Mary Fowler	258	do.	284	-	-	-	287	17	16	b/	-	-
116	J. S. Bridwell	Spring	Nov. 8, 1938	370	51	41	37	384	34	18	b/	-	245
117	C. C. Jones	290/	Mar. 4, 1939	366	46	30	58	378	37	7	b/	2.0	239
118	Robertson & Case	335	Mar. 2, 1939	348	53	35	34	336	37	21	b/	2.5	277
119	W. E. Russell	200	Dec. 5, 1938	265	29	41	18	293	21	12	b/	-	240
120	C. A. McClure	298	Dec. 1, 1938	293	-	-	-	287	23	16	b/	-	-
121	T. W. Stockton	375	Jan. 17, 1939	379	24	29	86	342	49	20	b/	2.5	170
123	Amicable Life Ins. Co.	246	Feb. 24, 1939	357	-	-	-	317	47	18	b/	-	-
147	B. Robinson	250	Feb. 18, 1939	3-2	-	-	-	317	41	15	b/	-	-
148	Alliance Life Ins. Co.	230	Dec. 10, 1938	316	-	-	-	211	22	19	b/	-	-
149	N. Hunsucher	263	do.	260	36	30	23	282	26	29	b/	2.5	214
150	F. B. Bryan Est.	252	Nov. 30, 1938	317	64	34	11	311	26	26	b/	2.7	301
151	T. H. Roberts	262	Dec. 6, 1938	-	-	-	-	-	23	22	b/	-	-
206	N. J. Bell Est.	213	Nov. 30, 1938	251	42	34	7	256	22	20	b/	-	246
207	C. B. Leatherwood	300/	do.	319	-	-	-	317	16	23	b/	-	-
208	J. R. Robertson	286	Dec. 6, 1938	313	31	28	56	329	22	14	b/	-	192
209	J. P. Williams	300	Nov. 30, 1938	288	46	18	43	287	20	20	b/	-	191
221	R. E. Crausbay	251	Jan. 17, 1939	426	18	7	147	390	37	25	b/	-	74

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells and springs in Crosby County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
222	W. W. McCracken	318	Jan. 17, 1939	331	-	-	-	329	18	15	b/	-	-
244	J. R. Miller	300	Nov. 30, 1938	301	50	32	25	311	16	23	b/	2.3	255
245	Lois E. Fowler	365	Dec. 1, 1938	261	53	25	15	281	12	16	b/	1.6	236
254	F. B. Bryan Est.	290	Nov. 30, 1938	286	50	46	-	336	11	14	b/	-	314
255	Couch & English	Spring	Nov. 9, 1938	261	32	26	34	238	24	28	b/	-	186
256	do.	Spring	do.	286	-	-	-	281	19	14	b/	3.6	-
257	Alice Ballowe	Spring	do.	397	50	40	49	378	46	26	b/	-	289
259	do.	Spring	do.	321	28	28	59	293	40	19	b/	3.1	188
260	Couch & English	Spring	do.	334	61	32	23	329	38	18	b/	-	285
264	J. S. Bridwell	Spring	Nov. 8, 1938	354	-	-	-	336	36	18	b/	-	-
266	G. C. Fargus	149	Nov. 14, 1938	347	47	31	47	336	36	18	b/	3.1	244
267	G. T. Heath	285	Jan. 17, 1939	343	60	36	24	360	30	16	b/	-	297
269	H. H. Perser	225	do.	317	44	37	29	342	26	13	b/	-	263
270	City of Crosbyton	312	Dec. 30, 1938	353	53	32	42	354	32	17	b/	3.2	265
271	do.	301	Oct. 20, 1938	373	56	28	52	357	40	18	b/	3.0	254
272	do.	286	Oct. 27, 1938	358	38	42	45	354	36	19	b/	3.6	266
301	Hattie Spellings	175	Nov. 4, 1938	360	43	42	39	366	38	18	b/	-	281
302	B. F. Lackey	172	Nov. 8, 1938	278	45	42	4	305	21	16	b/	-	286
303	R. McCarty	168	Nov. 2, 1938	319	59	32	21	323	31	14	b/	3.0	280
324	-- Ralls Est.	178	do.	364	54	37	36	366	38	19	b/	-	288
325	Mrs. E. R. Krolle	180	Nov. 1, 1938	371	-	-	-	372	31	14	b/	-	-
326	J. S. Moore	195	do.	318	52	38	18	342	27	15	b/	-	289
327	Cora Reed	153	Dec. 15, 1938	371	-	-	-	366	25	20	b/	4.0	-
331	-- Ernest Est.	146	Nov. 1, 1938	345	50	60	5	433	9	4	b/	3.8	372
332	H. C. McMillian	112	do.	364	-	-	-	299	58	18	b/	-	-
335	Dollie M. Ralls	160	do.	378	-	-	-	366	31	22	b/	-	-
341	G. A. Lindsay	110	Oct. 28, 1938	486	73	51	27	293	115	38	36	2.4	391
342	Pleasant Hill School	112	Oct. 17, 1938	304	46	44	10	323	27	17	b/	-	297
343	S. W. Life Ins. Co.	144	Oct. 19, 1938	405	49	34	60	342	50	32	b/	2.2	261
413	F. E. Pearson	131	Jan. 4, 1939	388	49	49	27	299	45	58	b/	-	325
415	H. G. Hendricks	96	Jan. 3, 1939	461	49	66	29	348	56	70	20	-	396
417	H. Dinguid	187	Jan. 20, 1939	351	-	-	-	293	51	28	b/	-	-
418	H. C. Pearson	115	Jan. 3, 1939	433	-	-	-	354	49	47	b/	-	-
419	S. L. Forest	130	Jan. 20, 1939	438	46	43	64	372	59	39	b/	4.0	292

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells and springs in Crosby County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
420	J. A. Wheeler	185	Jan. 3, 1939	399	42	40	58	348	37	51	b/	-	269
421	Ella Mae Blanton	143	do.	392	-	-	-	372	24	34	b/	-	-
422	S. M. Brown	150	Jan. 20, 1939	305	-	-	-	268	32	25	b/	-	-
432	E. C. Bryant	143	Jan. 4, 1939	360	-	-	-	354	26	21	b/	-	-
433	E. R. Henry	132	Jan. 24, 1939	341	-	-	-	336	29	16	b/	-	-
435	C. E. Green	200	Jan. 19, 1939	309	36	43	26	311	25	22	b/	4.2	267
439	J. S. Neely	158	Jan. 18, 1939	301	-	-	-	317	21	7	b/	-	-
444	C. R. Bishop	182	do.	319	-	-	-	305	22	24	b/	-	-
446	R. E. Lewis	190	do.	297	-	-	-	281	24	21	b/	-	-
447	T. B. Owens	173	Jan. 25, 1939	366	-	-	-	360	26	22	b/	-	-
448	Con Parrish	212	do.	358	36	24	74	354	26	24	b/	-	190
449	J. A. Evatt	187	Dec. 29, 1938	498	29	42	112	458	51	35	b/	4.2	246
450	B. E. Perkins	174	do.	343	-	-	-	354	22	14	b/	-	-
451	H. C. Kay	172	Jan. 21, 1939	360	-	-	-	348	33	18	b/	-	-
462	W. A. Elam	174	do.	350	45	34	46	354	30	21	b/	-	251
463	Dallas Joint Stock Land Bank	160	Dec. 28, 1938	353	50	33	42	348	37	20	b/	-	260
487	G. W. Basinger	175	do.	290	48	38	11	305	20	23	b/	-	279
489	H. E. Marsh	220	Dec. 22, 1938	359	49	26	56	354	34	20	b/	-	231
490	G. E. Huddleson	217	Dec. 19, 1938	350	32	31	63	342	36	20	b/	-	209
509	S. Smith Est.	256	Dec. 23, 1938	369	-	-	-	348	36	22	b/	-	-
510	R. C. Ellison	204	Dec. 15, 1938	-	-	-	-	-	16	15	b/	-	-
511	Morgan Jones	298	Nov. 15, 1938	482	48	28	64	372	38	18	b/	3.1	238
529	J. W. Betram	265	Dec. 15, 1938	296	54	36	12	323	17	18	b/	-	282
540	O. Davidson	Spring	Nov. 9, 1938	386	44	33	63	372	42	18	b/	3.4	246
542	Mrs. M. E. Mitchell	Spring	Nov. 10, 1938	378	-	-	-	366	36	17	b/	-	-
544	Morgan Jones Est.	Spring	Nov. 16, 1938	380	34	30	75	354	44	20	b/	3.0	208
546	do.	Spring	Nov. 12, 1938	401	-	-	-	360	44	28	b/	-	-
547	do.	Spring	Nov. 14, 1938	406	43	15	96	329	54	36	b/	-	169
548	do.	Spring	Dec. 29, 1938	258	69	11	13	256	25	11	b/	0.4	217
549	do.	Spring	Nov. 12, 1938	1,270	114	20	323	390	346	275	b/	-	367
550	do.	Spring	do.	831	37	15	262	409	156	160	b/	-	154
551	H. C. Peterson	47	Dec. 29, 1938	1,490	127	51	330	268	385	410	55	0.2	526

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells and springs in Crosby County--Continued

Results are in parts per million.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
553	J. W. Grizzle	31	Dec. 22, 1938	575	37	41	109	360	67	29	115	-	260
554	-- Swenson & Sons	35	do.	3,844	11	3	1,471	878	544	1,380	b/	2.5	42
555	Guy Price	Spring	Oct. 6, 1938	151	44	6	7	153	12	5	b/	1.8	133
556	Mrs. Eloise Cantor	Spring	Sept.28, 1938	527	38	50	95	384	95	44	b/	6.7	300
557	do.	Spring	Sept.29, 1938	548	42	50	99	384	99	44	b/	6.3	310
558	H. T. Cole	Spring	Oct. 6, 1938	415	42	40	65	390	44	32	b/	-	270
559	W. D. Collier	Spring	do.	407	-	-	-	360	40	35	b/	-	-
560	do.	Spring	do.	544	48	50	92	476	60	52	b/	-	326
561	do.	Spring	do.	383	-	-	-	354	32	26	b/	3.6	-
563	C. M. Woodward	180	Jan. 18, 1939	280	-	-	-	256	25	22	b/	-	-
564	Mrs. Eloise Cantor	Spring	Oct. 5, 1938	384	46	21	70	248	73	45	b/	2.3	201
565	do.	Spring	Sept.29, 1938	585	43	53	109	390	107	51	b/	6.7	325
566	do.	Spring	Oct. 5, 1938	359	31	32	67	288	35	27	b/	5.0	209
567	do.	Spring	do.	-	24	-	106	330	53	37	b/	4.0	189
568	do.	Spring	do.	488	45	40	94	402	40	47	b/	4.0	276
569	do.	Spring	do.	469	42	37	89	326	64	54	b/	4.5	257
570	do.	Spring	Oct. 4, 1938	-	-	-	-	272	113	47	b/	6.9	-
571	do.	Spring	do.	1,950	110	104	448	671	585	368	b/	-	704
572	do.	Spring	do.	534	65	41	86	396	46	30	26	6.4	331
573	do.	Spring	do.	395	35	27	78	206	81	49	b/	5.5	198

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

MAP OF CROSBY COUNTY, TEXAS

SHOWING LOCATIONS OF WATER WELLS LISTED

— LEGEND —

- WELL WITH HAND PUMP, BUCKET OR BAILER
- WELL WITH WINDMILL OR SMALL POWER PUMP
- WELL WITH PUMPING PLANT— 5 HORSE POWER OR LARGER
- WELL DRILLED TO TEST FOR OIL OR GAS
- UNUSED WELL
- TEST WELL DRILLED BY W.P.A. LABOR
- SPRING
- HIGHWAY
- COUNTY ROAD
- UNIMPROVED ROAD
- ESCARPMENT
- SINK

SCALE
1 0 1 2 3 4 5 MILES

FIELD WORK BY
CARL B. MUELLER
PROJECT SUPERINTENDENT
W.P.A. PROJECT 10780

BASE COMPILED FROM
LAND OWNERSHIP MAP
AND FIELD NOTES

TEXAS BOARD OF
WATER ENGINEERS
ASSISTED BY
U.S. GEOLOGICAL SURVEY