

TEXAS BOARD OF WATER ENGINEERS

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BULLETIN 5907

RECORDS OF WATER-LEVEL MEASUREMENTS IN
MITCHELL, NOLAN, STERLING, AND TOM GREEN COUNTIES, TEXAS
1938 THROUGH 1957

Compiled by

Frank A. Rayner, Geological Engineer
Texas Board of Water Engineers

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

March 1959

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INTRODUCTION

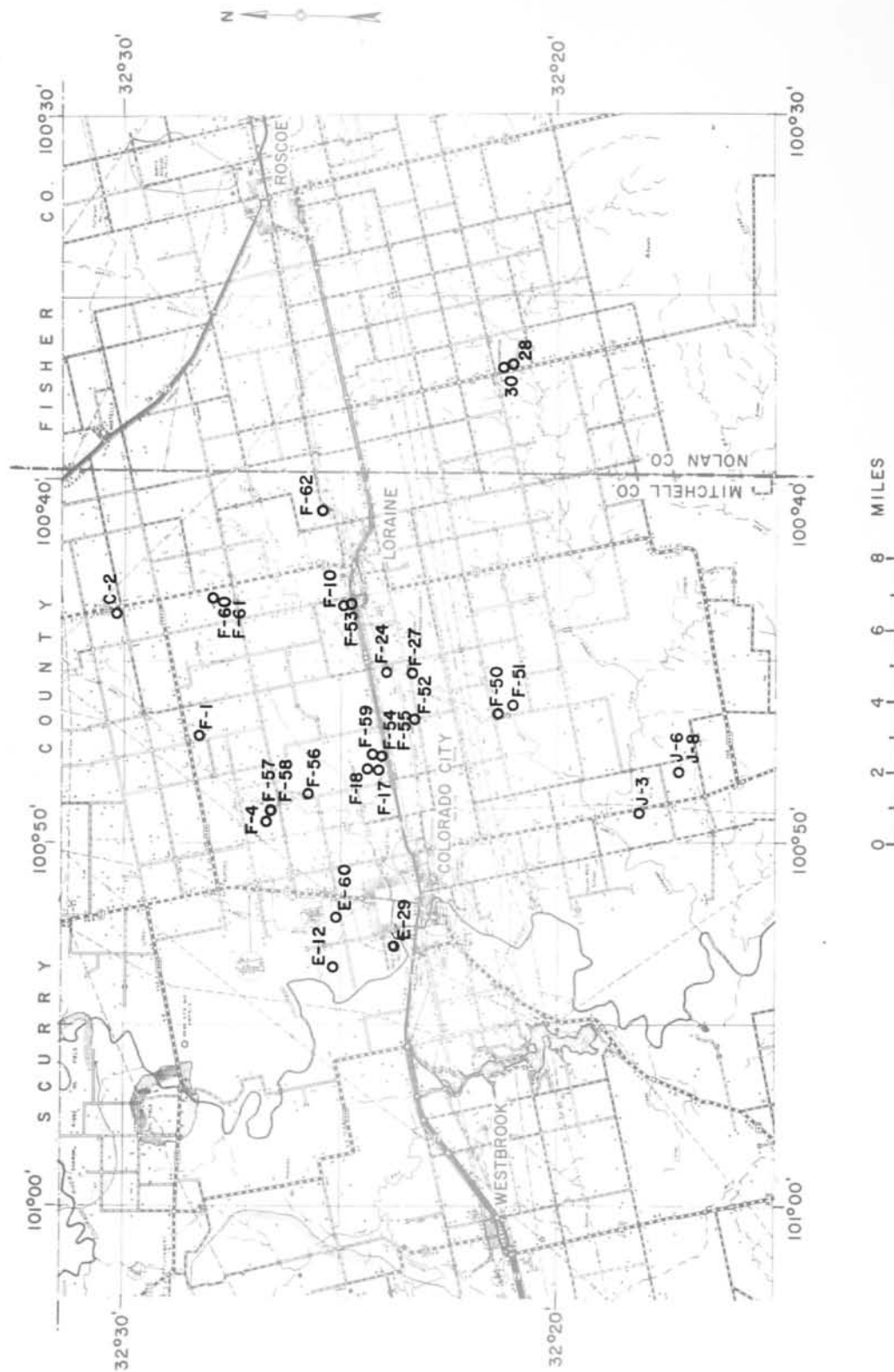
The Texas Board of Water Engineers is charged with making, independently or in cooperation with other state and federal agencies, scientific investigations of the source, amount, and quality of groundwater supplies. To evaluate effects of ground-water development in relation to available supply, periodic measurements of water levels are made in principal reservoirs of the state through an observation well program conducted cooperatively by the Texas Board of Water Engineers and the United States Geological Survey.

This bulletin contains measurements of the depth to water in feet below land-surface datum in 27 wells in Mitchell County, 2 wells in Nolan County, 4 wells in Sterling County, and 61 wells in Tom Green County. The period of record covers measurements made in observation wells from 1938 through 1957.

Observation well location maps precede the corresponding table of water-level measurements for each county. Hydrographs of water levels in selected wells in Mitchell and Tom Green Counties and a lake-level hydrograph of the San Angelo reservoir follow the associated table of water-level measurements. Precipitation charts for Colorado City and San Angelo are combined with their respective hydrographs.

MITCHELL and NOLAN COUNTIES





OBSERVATION WELLS IN MITCHELL AND NOLAN COUNTIES, TEXAS

WATER-LEVEL MEASUREMENTS IN MITCHELL COUNTY, TEXAS

C-2. Lat. 32°30', long. 100°43'. Diameter 5 inches, depth 101 feet.

Date	Water level	Date	Water level	Date	Water level
Nov. 29, 1955	77.44	Dec. 5, 1956	76.54	Dec. 3, 1957	76.52

E-12. Lat. 32°25', long. 100°53'. Diameter 8 inches, depth 170 feet. Cased to 20 feet.

May 1952	31	Dec. 9, 1954	34.14	Dec. 5, 1956	33.55
Feb. 4, 1954	31.43	Nov. 28, 1955	33.18	Dec. 3, 1957	32.70

E-29. Lat. 32°23', long. 100°52'. Diameter 6 inches, depth 126 feet. Cased to 10 feet.

May 7, 1953	43.84	Dec. 6, 1956	46.61	Dec. 4, 1957	38.46
Feb. 5, 1954	41.74				

E-60. Lat. 32°25', long. 100°52'.

Feb. 4, 1954	123.24	Nov. 28, 1955	128.71	Dec. 3, 1957	119.31
Dec. 9	128.60	Dec. 5, 1956	124.80		

F-1. Lat. 32°25', long. 100°45'. Diameter 8 inches, depth 230 feet. Cased to 160 feet.

Feb. 4, 1954	21.89	Nov. 28, 1955	27.80	Dec. 4, 1957	28.89
Dec. 9	24.88	Dec. 5, 1956	34.54		

F-4. Lat. 32°26', long. 100°49'. Diameter 10 inches, depth 210 feet.

Jan. 27, 1953	47.40	Dec. 9, 1954	35.47	Dec. 5, 1956	38.83
Feb. 4, 1954	54.42	Nov. 28, 1955	31.61	Dec. 4, 1957	26.71

F-10. Lat. 32°24', long. 100°43'. Diameter 10 inches, depth 195 feet.

May 8, 1953	52.32	Dec. 9, 1954	50.07	Dec. 6, 1956	53.84
Jan. 14, 1954	48.77	Nov. 29, 1955	51.55	Dec. 3, 1957	39.03

WATER-LEVEL MEASUREMENTS IN MITCHELL COUNTY -- CONTINUED

F-17. Lat. 32°24', long. 100°47'. Diameter 10 inches, depth 184 feet. Cased to 90 feet.

Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1953	54.53	Dec. 9, 1954	57.95	Dec. 4, 1957	57.79
May 6	63.30	Nov. 29, 1955	58.51		
Feb. 4, 1954	56.33	Dec. 5, 1956	60.36		

F-18. Lat. 32°24', long. 100°47'. Diameter 15 inches, depth 188 feet.

Jan. 27, 1953	45.41	Dec. 9, 1954	48.54	Dec. 5, 1956	51.52
Feb. 4, 1954	47.16	Nov. 29, 1955	49.34	Dec. 4, 1957	47.62

F-24. Lat. 32°24', long. 100°45'. Diameter 10 inches, depth 165 feet. Cased to 150 feet, casing slotted from 40 to 53 feet.

Jan. 14, 1954	24.03	Nov. 28, 1955	27.83	Dec. 3, 1957	22.57
Dec. 8	26.34	Dec. 6, 1956	32.22		

F-27. Lat. 32°23', long. 100°45'. Diameter 12 inches, depth 167 feet. Cased to 140 feet.

Dec. 8, 1954	22.19	Dec. 6, 1956 c	40.66	Dec. 3, 1957	17.14
Nov. 28, 1955	21.80				

F-50. Lat. 32°21', long. 100°46'. Diameter 10 inches.

Feb. 4, 1954	19.78	Nov. 29, 1955	22.23	Dec. 3, 1957	20.08
Dec. 8	c 23.32	Dec. 6, 1956	23.28		

F-51. Lat. 32°21', long. 100°46'. Diameter 8 inches.

Feb. 4, 1954	18.46	Nov. 29, 1955	21.94	Dec. 3, 1957	19.09
Dec. 8	c 23.56	Dec. 6, 1956	22.49		

F-52. Lat. 32°23', long. 100°46'.

Dec. 9, 1954	54.56	Dec. 6, 1956	55.60	Dec. 3, 1957	55.82
Nov. 28, 1955	55.28				

F-53. Lat. 32°24', long. 100°43'.

Jan. 14, 1954	33.80	Dec. 9, 1954	34.94	Dec. 6, 1956	39.56
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WATER-LEVEL MEASUREMENTS IN MITCHELL COUNTY -- CONTINUED

F-54. Lat. $32^{\circ} 24'$, long. $100^{\circ} 47'$.

Date	Water level	Date	Water level	Date	Water level
Nov. 29, 1955	40.92	Dec. 5, 1956	42.50	Dec. 4, 1957	39.40

F-55. Lat. $32^{\circ} 24'$, long. $100^{\circ} 47'$. Diameter 12 inches, depth 184 feet.

Feb. 4, 1954	56.66	Nov. 29, 1955	57.65	Dec. 4, 1957	59.16
Dec. 9	58.36	Dec. 5, 1956	61.13		

F-56. Lat. $32^{\circ} 25'$, long. $100^{\circ} 45'$.

Dec. 9, 1954	22.22	Nov. 28, 1955	29.07	Dec. 4, 1957	23.08
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F-57. Lat. $32^{\circ} 26'$, long. $100^{\circ} 49'$.

Dec. 9, 1954	38.19	Nov. 28, 1955	46.32	Dec. 4, 1957	35.41
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F-58. Lat. $32^{\circ} 26'$, long. $100^{\circ} 49'$.

Nov. 28, 1955	45.24	Dec. 5, 1956	54.45	Dec. 4, 1957	38.01
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F-59. Lat. $32^{\circ} 24'$, long. $100^{\circ} 47'$. Depth 190 feet. Cased to 22 feet.

Dec. 5, 1956	67.31	Dec. 4, 1957	65.20		
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F-60. Lat. $32^{\circ} 27'$, long. $100^{\circ} 43'$. Diameter 8 inches, depth 206 feet. Casing slotted from 183 to 206 feet.

Dec. 9, 1954	88.64	Dec. 5, 1956	101.91	Dec. 3, 1957	95.53
Nov. 29, 1955	88.65				

F-61. Lat. $32^{\circ} 27'$, long. $100^{\circ} 43'$. Diameter 10 inches, depth 229 feet. Casing slotted between 189 and 229 feet.

Nov. 29, 1955	87.50	Dec. 5, 1956	101.51	Dec. 3, 1957	97.21
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F-62. Lat. $32^{\circ} 25'$, long. $100^{\circ} 40'$. Diameter 12 inches, depth 230 feet. Casing slotted from 130 to 230 feet.

Nov. 29, 1955	116.14	Dec. 5, 1956	126.04	Dec. 3, 1957	120.72
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WATER-LEVEL MEASUREMENTS IN MITCHELL COUNTY -- CONTINUED

J-3. Lat. $32^{\circ}18'$, long. $100^{\circ}49'$. Diameter 10 inches, depth 200 feet. Cased to 30 feet.

Date	Water level	Date	Water level	Date	Water level
Feb. 4, 1954	61.45	Dec. 6, 1956	62.68	Dec. 3, 1957	60.16

J-6. Lat. $32^{\circ}17'$, long. $100^{\circ}48'$. Diameter 8 inches, depth 126 feet. Cased to 30 feet.

Dec. 8, 1954	71.44	Dec. 6, 1956	71.56	Dec. 3, 1957	70.84
Nov. 29, 1955	71.12				

J-8. Lat. $32^{\circ}17'$, long. $100^{\circ}48'$. Diameter 10 inches.

Nov. 29, 1955	70.89	Dec. 6, 1956	71.44	Dec. 3, 1957	70.72
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c nearby well being pumped

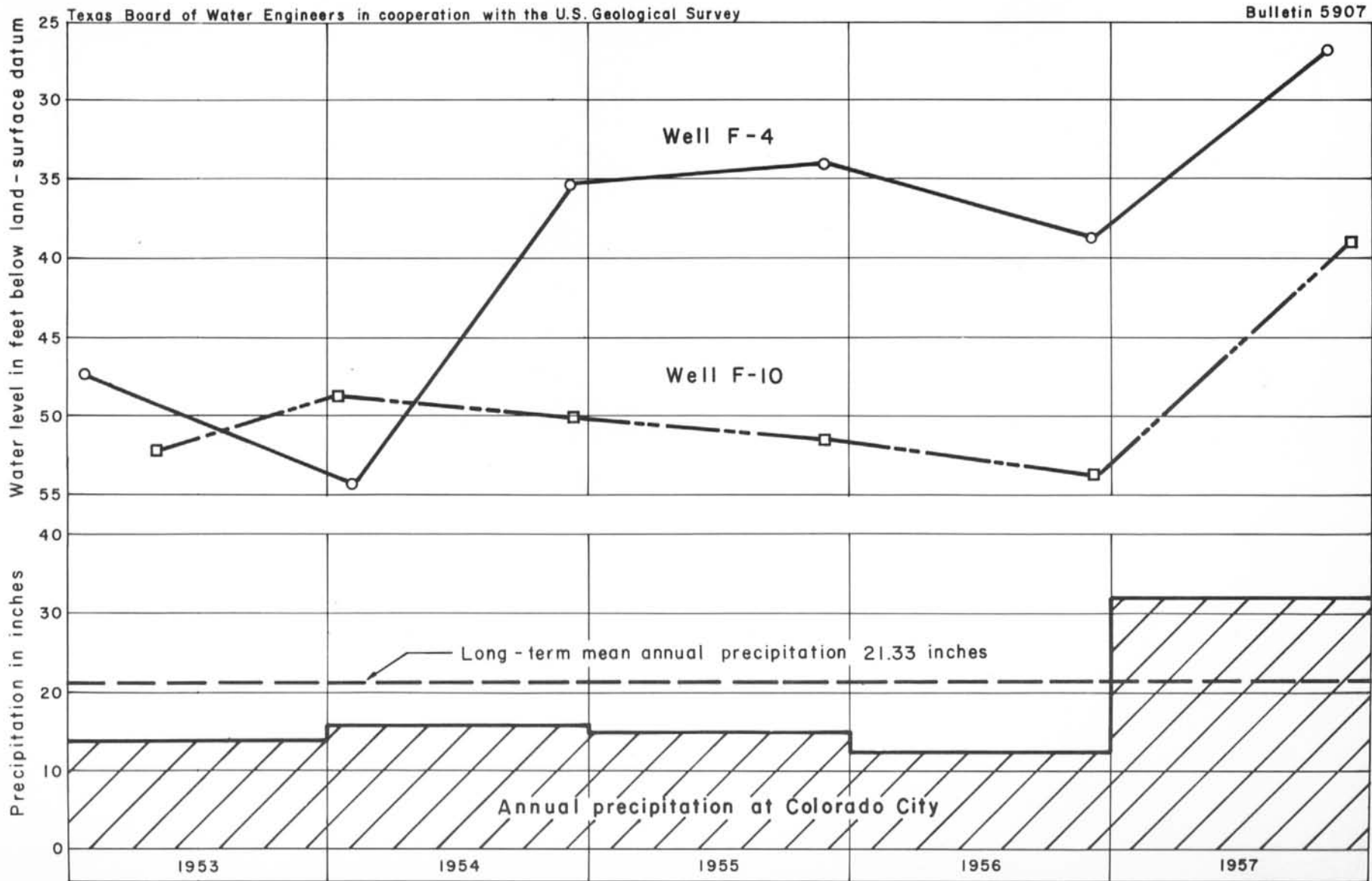
WATER-LEVEL MEASUREMENTS IN NOLAN COUNTY, TEXAS

28. Lat. 32°21', long. 100°36'. Diameter 8 inches, depth 110 feet.

Date	Water level	Date	Water level	Date	Water level
July 5, 1946	22.07	Dec. 9, 1954	26.62	Dec. 6, 1956	30.55
Jan. 14, 1954	24.32	Nov. 29, 1955	27.22	Dec. 3, 1957	25.82

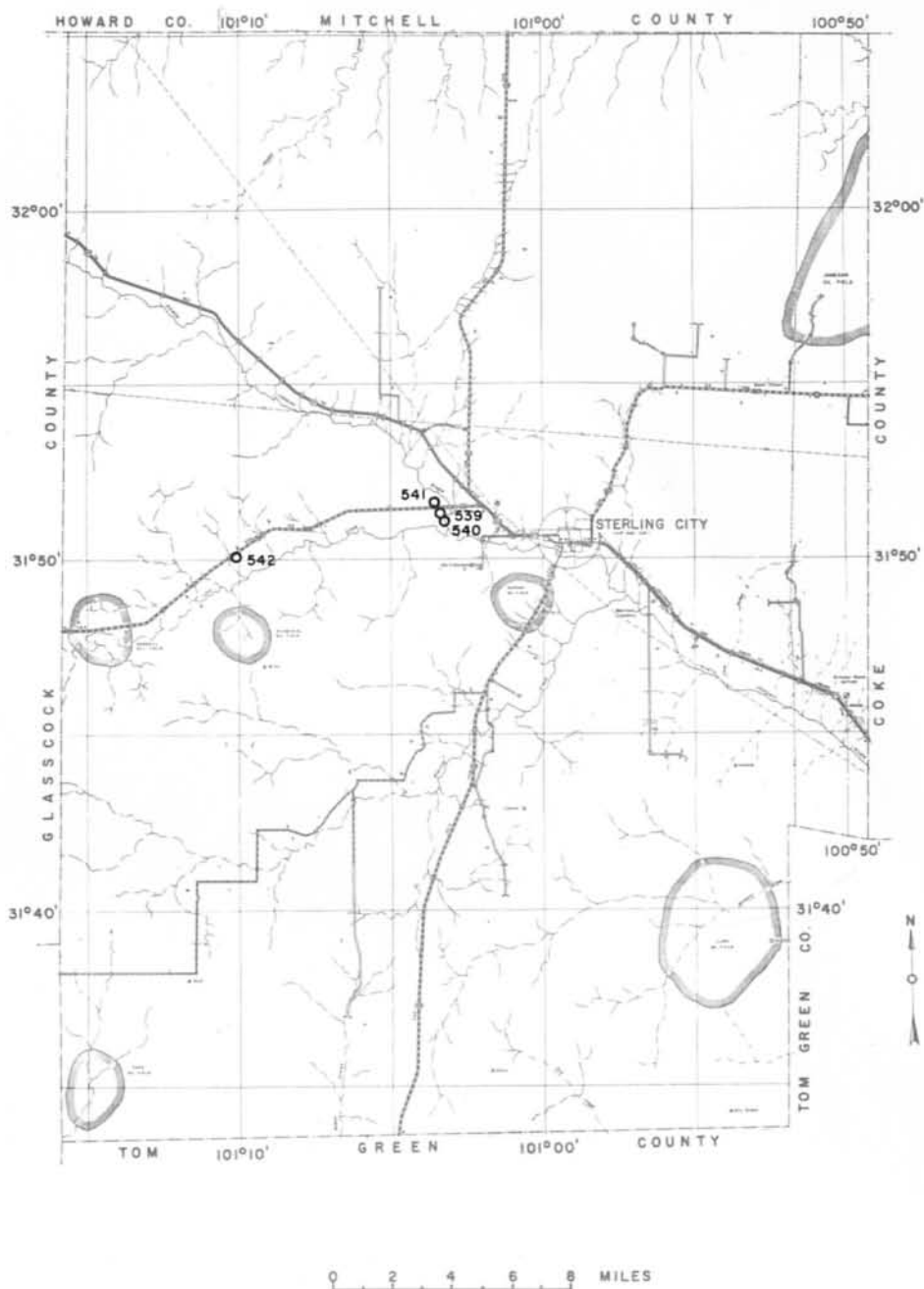
30. Lat. 32°21', long. 100°36'. Diameter 8 inches, depth approximately 150 feet.

Dec. 9, 1954	43.30	Nov. 29, 1955	43.97	Dec. 3, 1957	43.72
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HYDROGRAPHS OF WATER LEVELS IN WELLS F-4 AND F-II, MITCHELL COUNTY,
AND ANNUAL PRECIPITATION AT COLORADO CITY, TEXAS

STERLING COUNTY



BASE MAP FROM TEXAS STATE HIGHWAY DEPARTMENT

FEB. 1959 - DF

OBSERVATION WELLS IN STERLING COUNTY, TEXAS

WATER-LEVEL MEASUREMENTS IN STERLING COUNTY, TEXAS

539. Lat. $31^{\circ}51'$, long. $101^{\circ}03'$. Diameter 48 inches, depth 25 feet, curbed with concrete.

Date	Water level	Date	Water level	Date	Water level
Dec. 1, 1953	18.72	Feb. 6, 1955	18.31	Dec. 7, 1956	19.37
Dec. 8, 1954	18.96	Dec. 3	19.17	Dec. 4, 1957	17.78

540. Lat. $31^{\circ}51'$, long. $101^{\circ}03'$. Diameter 48 inches, depth 19 feet, curbed with concrete.

Dec. 1, 1953	15.18	Feb. 6, 1955	14.85	Dec. 7, 1956	16.02
Dec. 8, 1954	15.37	Dec. 3	15.69	Dec. 4, 1957	14.32

541. Lat. $31^{\circ}51'$, long. $101^{\circ}03'$. Diameter 60 inches, depth 20 feet, curbed with concrete.

Dec. 1, 1953	16.04	Feb. 6, 1955	15.68	Dec. 7, 1956	16.69
Dec. 8, 1954	16.26	Dec. 3	16.53	Dec. 4, 1957	15.17

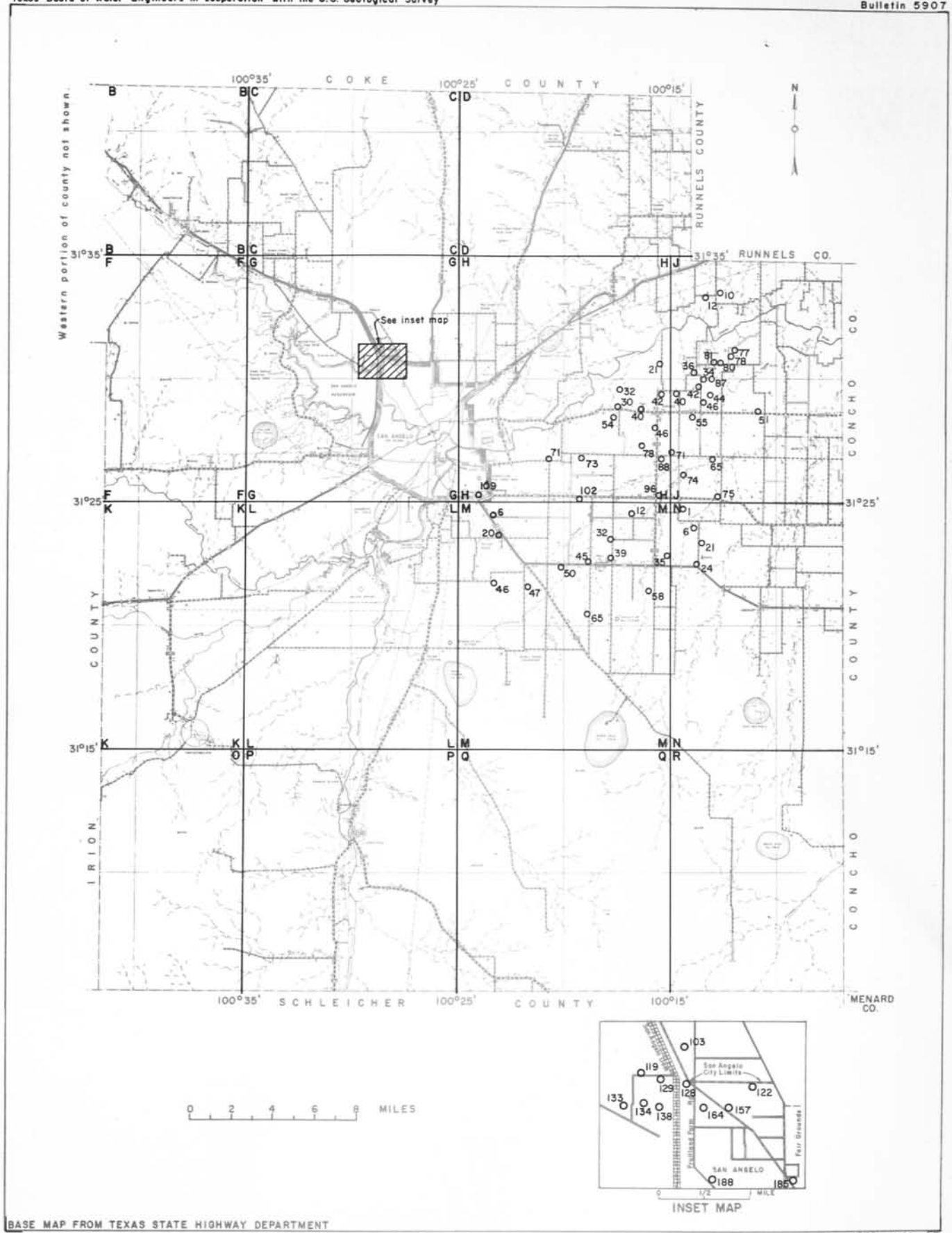
542. Lat. $31^{\circ}50'$, long. $101^{\circ}10'$.

Dec. 8, 1954	78.28	Dec. 3, 1955	80.40	Dec. 4, 1957	77.90
Feb. 6, 1955	77.90	Dec. 7, 1956	79.99		

T O M G R E E N C O U N T Y

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OBSERVATION WELLS IN TOM GREEN COUNTY, TEXAS

WATER-LEVEL MEASUREMENTS IN TOM GREEN COUNTY, TEXAS

G-103. Lat. $31^{\circ}31'$, long. $100^{\circ}28'$. Diameter 8 inches, depth 75 feet.

Date	Water level	Date	Water level	Date	Water level
Sept. 10, 1943	51.65	Jan. 17, 1949	56.2	Jan. 16, 1954	59.02
Oct. 8	51.56	June 8, 1950	56.01	Dec. 8, 1955	53.01
Dec. 16	51.38	Apr. 4, 1952	60.97	Jan. 15, 1957	54.37
Jan. 23, 1946	53.92	Jan. 7, 1953	62.55	Dec. 12	34.64

G-119. Lat. $31^{\circ}31'$, long. $100^{\circ}29'$. Diameter 10 inches, depth 64 feet. Cased to 64 feet.

Jan. 27, 1941	42.39	Jan. 7, 1953	55.61	Jan. 15, 1957	45.32
Oct. 11, 1943	45.10	Jan. 16, 1954	51.70	Dec. 12	17.47
June 7, 1950	48.40	Dec. 8, 1955	44.43		

G-122. Lat. $31^{\circ}30'$, long. $100^{\circ}28'$. Diameter 8 inches, depth 80 feet.

Jan. 9, 1941	44.34	June 9, 1950	55.8	Dec. 8, 1955	48.91
Oct. 12, 1943	47.33	Apr. 4, 1952	61.26	Jan. 16, 1957	48.69
Dec. 16	47.43	Jan. 7, 1953	62.88	Dec. 12	32.85
Jan. 16, 1946	49.65	Jan. 15, 1954	57.38		

G-128. Lat. $31^{\circ}30'$, long. $25^{\circ}28'$. Diameter 8 inches, depth 79 feet. Cased to 10 feet.

Jan. 20, 1941	44.68	Jan. 17, 1949	53.7	Jan. 15, 1954	54.74
Oct. 12, 1943	47.85	June 8, 1950	53.72	Dec. 8, 1955	48.51
Dec. 16	47.68	Apr. 4, 1952	57.84	Jan. 16, 1957	48.38
Jan. 16, 1946	50.30	Jan. 7, 1953	60.37	Dec. 12	21.4

G-129. Lat. $31^{\circ}30'$, long. $100^{\circ}29'$. Diameter 8 inches, depth 63 feet. Cased to 63 feet.

Jan. 21, 1941	39.57	June 2, 1950	49.01	Jan. 16, 1954	50.29
Oct. 11, 1943	43.80	Jan. 7, 1953	55.89		

G-133. Lat. $30^{\circ}30'$, long. $100^{\circ}29'$. Diameter 6 inches, depth 75 feet. Cased to 75 feet.

Oct. 11, 1943	42.43	Apr. 4, 1952	49.47	Jan. 15, 1957	44.74
Dec. 16	42.22	Jan. 7, 1953	52.75	Dec. 12, 1957	7.45
Jan. 23, 1946	44.25	Jan. 16, 1954	47.95		
June 8, 1950	46.50	Dec. 8, 1955	38.39		

WATER-LEVEL MEASUREMENTS IN TOM GREEN COUNTY -- CONTINUED

M-65. Lat. 31°20', long. 100°18'. Diameter 12 inches, depth 128 feet.

Date	Water level	Date	Water level	Date	Water level
Nov. 23, 1948	91.44	Jan. 29, 1952	98.40	Jan. 17, 1957	117.27
Apr. 16, 1949	90.30	Jan. 15, 1954	114.92	Dec. 12	106.79
Mar. 31, 1950	86.03	Dec. 6, 1955	114.64		

N-1. Lat. 31°24', long. 100°14'. Diameter 12 inches, depth 86 feet.

Dec. 22, 1948	47.6	July 1, 1949	49.22	Feb. 15, 1950	45.69
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N-6. Lat. 31°23', long. 100°13'. Dug well 72 inches in diameter, 62 feet deep with four 12-inch, 110, 150, 150 and 210 foot (below Lsd.) wells drilled in bottom. Lsd. 1,834.3 feet above msl.

Dec. 10, 1948	67.50	July 1, 1949	62.70	Feb. 15, 1950	69.10
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N-21. Lat. 31°23', long. 100°13'. Diameter 12 inches, depth 128 feet. Cased to 93 feet.

Dec. 17, 1948	87.70	July 1, 1949	71.37	Feb. 15, 1950	89.38
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N-24. Lat. 31°22', long. 100°13'. Diameter 12 inches, depth 122 feet. Lsd. 1,859 feet above msl.

Dec. 9, 1948	92.30	Feb. 16, 1950	93.70	Jan. 14, 1954	108.75
Apr. 18, 1949	91.05	Apr. 17, 1951	105.6	Dec. 7, 1955	110.46
July 1	90.55	Jan. 7, 1953	109.1	Jan. 17, 1957	114.01

a Pumping

WATER-LEVEL MEASUREMENTS IN TOM GREEN COUNTY -- CONTINUED

G-134. Lat. 31°30', long. 100°29'. Diameter 10 inches, depth 60 feet. Cased to 60 feet.

Date	Water level	Date	Water level	Date	Water level
Jan. 21, 1941	38.44	June 8, 1950	47.86	Jan. 15, 1957	38.23
Oct. 7, 1943	41.62	Jan. 7, 1953	52.35	Dec. 12	5.72
Dec. 16	41.30	Jan. 16, 1954	45.93		
Jan. 16, 1946	43.65	Dec. 8, 1955	37.95		

G-138. Lat. 31°30', long. 100°29'. Lsd. 1,909.1 feet above msl.

June 2, 1950	48.87	Mar. 9, 1953	50.40	July 20, 1954	36.04
Feb. 11, 1952	46.30	Apr. 10	50.00	31	35.82
Apr. 10	47.07	20	50.15	Aug. 10	35.63
20	47.16	30	50.15	20	35.49
30	47.21	May 10	50.28	31	35.43
May 10	47.10	20	49.99	Sept. 10	35.26
20	47.33	31	50.05	20	35.11
31	47.50	June 10	50.30	30	35.01
June 10	47.74	20	50.63	Oct. 5	34.93
20	48.03	30	50.93	Dec. 20	33.65
30	48.35	July 10	51.17	31	33.48
July 10	48.60	20	51.23	Jan. 10, 1955	33.44
20	48.72	31	51.22	20	33.27
31	48.92	Aug. 10	51.35	31	33.09
Aug. 10	49.17	20	51.48	Feb. 10	33.00
20	49.45	31	51.10	20	32.99
29	49.68	Sept. 10	50.34	28	32.77
Sept. 10	50.06	20	49.82	Mar. 10	32.67
20	50.09	30	49.48	18	32.68
30	50.13	Jan. 10, 1954	43.81	31	32.61
Oct. 10	50.37	20	43.50	Apr. 10	32.65
20	50.64	31	43.37	20	32.62
31	50.80	Feb. 10	42.50	30	32.90
Nov. 10	50.87	20	42.46	May 10	33.07
20	50.86	28	42.35	20	33.18
30	50.72	Mar. 2	42.35	31	33.16
Dec. 10	50.55	Apr. 20	42.14	June 10	33.39
20	50.42	30	42.10	20	33.62
31	50.20	May 10	42.28	30	33.87
Jan. 10, 1953	53.36	20	41.90	July 10	34.17
20	52.14	31	41.25	20	34.35
31	51.26	June 10	40.63	31	34.40
Feb. 10	50.92	20	39.47	Aug. 10	34.36
20	50.75	30	37.38	20	34.40
29	50.53	July 10	36.03	31	34.52

Continued

WATER-LEVEL MEASUREMENTS IN TOM GREEN COUNTY -- CONTINUED

G-138. Continued

Date	Water level	Date	Water level	Date	Water level
Sept. 10, 1955	34.62	Apr. 30, 1956	35.45	Mar. 31, 1957	36.23
20	34.67	May 10	35.62	Apr. 10	36.38
30	34.67	20	35.90	20	36.66
Oct. 10	34.53	31	35.94	30	36.16
20	34.61	June 10	35.88	May 10	34.64
31	34.58	20	35.98	20	27.77
Nov. 10	34.58	30	36.20	31	16.18
20	34.74	July 10	36.37	June 10	9.80
30	34.80	20	36.54	20	9.18
Dec. 10	34.75	31	36.84	30	9.46
20	34.76	Oct. 31	37.30	July 10	9.85
31	34.75	Nov. 10	37.07	20	10.33
Jan. 10, 1956	34.85	20	36.82	31	10.85
20	34.73	30	36.73	Aug. 10	11.48
31	34.75	Dec. 10	36.60	20	12.24
Feb. 10	34.70	20	36.53	31	13.16
20	34.80	31	36.37	Sept. 10	13.86
29	34.75	Jan. 10, 1957	36.38	20	13.80
Mar. 10	34.80	15	36.24	30	10.00
20	34.84	Feb. 20	36.15	Oct. 12	10.10
31	34.95	28	36.03	13	*
Apr. 10	35.13	Mar. 10	35.90		
20	35.35	20	36.05		

* Well and recorder inundated by water of San Angelo Reservoir

G-157. Lat. 31°30', long. 100°28'. Diameter 8 inches, depth 100 feet. Cased to 100 feet.

Jan. 20, 1941	42.69	June 13, 1950	56.31	Jan. 16, 1957	45.93
Oct. 12, 1943	46.05	Jan. 7, 1953	62.95	Dec. 12	30.25
Dec. 16	46.15	Jan. 15, 1954	55.05		
Jan. 23, 1946	49.06	Dec. 8, 1955	44.99		

G-164. Lat. 31°30', long. 100°28'. Diameter 8 inches.

Jan. 20, 1941	41.95	Dec. 14, 1950	52.58	Dec. 8, 1955	44.49
Oct. 12, 1943	45.40	Apr. 4, 1952	57.70	Jan. 16, 1957	41.08
Dec. 16	45.37	Jan. 7, 1953	60.64	Dec. 12	22.54
Jan. 23, 1946	47.94	Jan. 15, 1954	57.66		

WATER-LEVEL MEASUREMENTS IN TOM GREEN COUNTY -- CONTINUED

G-185. Lat. $31^{\circ}30'$, long. $100^{\circ}27'$. Diameter 12 inches, depth 76 feet.

Date	Water level	Date	Water level	Date	Water level
Jan. 9, 1941	39.74	Jan. 16, 1946	45.83	Dec. 8, 1955	45.29
Oct. 14, 1943	42.65	June 15, 1950	55.63	Jan. 16, 1957	44.38
Dec. 16	42.60	Jan. 7, 1953	63.92	Dec. 12	36.77
May 24, 1944	42.94	Jan. 15, 1954	53.95		

G-188. Lat. $31^{\circ}30'$, long. $100^{\circ}28'$. Diameter 6 inches, depth 60 feet. Cased to 60 feet.

Jan. 22, 1941	34.23	Jan. 16, 1946	38.25	Jan. 7, 1953	48.62
Oct. 14, 1943	36.60	June 2, 1950	42.76		
Dec. 16	36.23	Apr. 4, 1952	45.63		

H-21. Lat. $31^{\circ}30'$, long. $100^{\circ}15'$. Diameter 6 inches, depth 87 feet. Cased to 86 feet. Lsd. 1,790.7 feet above msl.

Aug. 13, 1943	55.75	Sept. 27, 1948	52.52	July 2, 1949	56.35
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H-30. Lat. $31^{\circ}28'$, long. $100^{\circ}17'$. Diameter 8 inches, depth 110 feet.

Sept. 24, 1948	64.65	July 2, 1949	59.77	Feb. 9, 1950	59.10
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H-32. Lat. $31^{\circ}29'$, long. $100^{\circ}17'$. Diameter 12 inches, depth 79 feet.

Nov. 26, 1948	57.47	July 2, 1949	52.76	Mar. 31, 1950	56.5
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H-40. Lat. $31^{\circ}28'$, long. $100^{\circ}16'$. Diameter 8 inches, depth 125 feet. Lsd. 1,817.5 feet above msl.

Aug. 10, 1943	73.02	Jan. 29, 1952	72.46	Dec. 7, 1955	92.82
Sept. 24, 1948	73.15	Jan. 5, 1953	77.50	Jan. 16, 1957	96.97
Apr. 18, 1949	65.23	Jan. 14, 1954	85.55		

H-42. Lat. $31^{\circ}29'$, long. $100^{\circ}15'$. Diameter 6 inches, depth 100 feet. Cased to 100 feet. Lsd. 1,814.9 feet above msl.

Jan. 23, 1941	72.0	Sept. 24, 1948	88.50	July 2, 1949	79.72
Aug. 11, 1943	84.52				

WATER-LEVEL MEASUREMENTS IN TOM GREEN COUNTY -- CONTINUED

H-46. Lat. 31°28', long. 100°15'. Diameter 6 inches, depth 84 feet.
Lsd. 1,819.1 feet above msl.

Date	Water level	Date	Water level	Date	Water level
Aug. 19, 1943	67.27	July 2, 1949	70.51	Feb. 24, 1950	71.27
Sept. 27, 1948	72.48				

H-54. Lat. 31°28', long. 100°17'. Diameter 10 inches, depth 126 feet.

Nov. 19, 1940	54.64	Jan. 15, 1954	79.73	Dec. 11, 1957	71.90
Jan. 29, 1952	74.36	Dec. 7, 1955	93.83		
Jan. 5, 1953	75.04	Jan. 16, 1957	102.53		

H-71. Lat. 31°26', long. 100°20'. Diameter 6 inches, depth 70 feet.

Dec. 23, 1948	60.04	July 2, 1949	60.36	Feb. 20, 1950	60.60
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H-73. Lat. 31°26', long. 100°19'. Diameter 12 inches, depth 106 feet. Cased to 15 feet.

Dec. 23, 1948	67.1	Jan. 6, 1953	76.55	Jan. 16, 1957	81.69
July 2, 1949	73.51	Jan. 15, 1954	75.31	Dec. 11	73.90
Feb. 17, 1950	65.47	Dec. 7, 1955	79.24		

H-78. Lat. 31°27', long. 100°16'. Diameter 8 inches, depth 87 feet.
Cased to 16 feet. Lsd. 1,826.1 feet above msl.

Aug. 11, 1943	71.6	Oct. 27, 1948	72.4	July 2, 1949	69.99
Jan. 18, 1946	65.68				

H-88. Lat. 31°26', long. 100°15'. Diameter 8 inches, depth 100 feet. Cased to 10 feet. Lsd. 1,811.2 feet above msl.

Nov. 3, 1948	58.82	Jan. 29, 1952	62.09	Dec. 6, 1955	70.59
Feb. 16, 1950	46.4	Jan. 14, 1954	71.89	Dec. 10, 1957	64.00

H-96. Lat. 31°25', long. 100°15'. Diameter 5 inches. Lsd. 1,820.4 feet above msl.

Nov. 1, 1940	40.20	Jan. 19, 1946	40.55	Jan. 14, 1954	63.28
Aug. 14, 1943	39.53	Sept. 27, 1948	51.89	Dec. 6, 1955	71.23
Dec. 18	40.16	Feb. 16, 1950	52.45	Jan. 16, 1957	82.25
May 23, 1944	41.01	Jan. 29, 1952	58.91	Dec. 10	62.75

WATER-LEVEL MEASUREMENTS IN TOM GREEN COUNTY -- CONTINUED

H-102. Lat. $31^{\circ}25'$, long. $100^{\circ}19'$. Lsd. 1,834.0 feet above msl.

Date	Water level	Date	Water level	Date	Water level
Mar. 6, 1950	60.87	Jan. 15, 1954	68.26	Dec. 10, 1957	62.62
Jan. 29, 1952	64.72	Dec. 6, 1955	69.42		
Jan. 6, 1953	67.05	Jan. 16, 1957	68.68		

H-109. Lat. $31^{\circ}24'$, long. $100^{\circ}24'$. Diameter 6 inches, depth 112 feet. Cased to 112 feet.

Feb. 5, 1938	87.62	Jan. 3, 1949	81.0	Feb. 20, 1950	76.6
Mar. 29, 1939	87.0	June 30	78.5		

J-10. Lat. $31^{\circ}33'$, long. $100^{\circ}12'$. Diameter 12 inches, depth 180 feet. Cased to 40 feet.

Jan. 3, 1951	67.1	June 6, 1951	78.14	Jan. 5, 1953	97.33
Apr. 18	a 85.4				

J-12. Lat. $31^{\circ}33'$, long. $100^{\circ}13'$. Diameter 12 inches, depth 218 feet. Cased to 170 feet.

Feb. 24, 1950	97.7	June 6, 1951	123.2	Jan. 15, 1954	77.5
Aug. 24	a 140.2	Jan. 5, 1953	111.4		

J-34. Lat. $31^{\circ}30'$, long. $100^{\circ}13'$. Diameter 8 inches, depth 182 feet. Cased to 170 feet.

Aug. 7, 1943	71.90	Mar. 31, 1950	121.87	June 6, 1951	139.0
Nov. 10, 1948	71.43	Apr. 19, 1951	132.55	Jan. 15, 1952	140.8

J-36. Lat. $31^{\circ}30'$, long. $100^{\circ}13'$. Diameter 12 inches, depth 187 feet. Cased to 20 feet.

Nov. 10, 1948	69.30	June 5, 1951	137.1	Dec. 7, 1955	154.
July 3, 1949	68.81	Jan. 6, 1953	152.03		
Feb. 9, 1950	70.24	Jan. 14, 1954	159.2		

WATER-LEVEL MEASUREMENTS IN TOM GREEN COUNTY -- CONTINUED

J-40. Lat. $31^{\circ}29'$, long. $100^{\circ}14'$. Diameter 12 inches, depth 100 feet. Lsd. 1,816 feet above msl.

Date	Water level	Date	Water level	Date	Water level
July 27, 1943	71.59	Jan. 29, 1952	83.91	Jan. 16, 1957	89.53
Dec. 9, 1948	77.46	Jan. 6, 1953	86.34	Dec. 11	88.85
July 2, 1949	75.18	Jan. 14, 1954	88.06		
Feb. 9, 1950	75.83	Dec. 6, 1955	87.25		

J-42. Lat. $31^{\circ}29'$, long. $100^{\circ}13'$. Diameter 12 inches, depth 191 feet. Cased to 160 feet.

Jan. 3, 1951	119.3	Jan. 6, 1953	152.5	Jan. 17, 1957	166.06
Apr. 18	133.2	Jan. 14, 1954	144.4	Dec. 11	162.72
Jan. 15, 1952	135.92	Dec. 7, 1955	146.3		

J-44. Lat. $31^{\circ}29'$, long. $100^{\circ}13'$. Diameter 12 inches, depth 146 feet. Cased to 30 feet.

Apr. 18, 1951	120.7	Jan. 15, 1952	123.8	Jan. 14, 1954	122.25
June 5	127.3				

J-46. Lat. $31^{\circ}29'$, long. $100^{\circ}13'$. Diameter 12 inches, depth 155 feet. Cased from 63 to 128 feet.

Nov. 1950	112.	June 21, 1951	133.0	Dec. 7, 1955	145.79
May 31, 1951	137.5	Jan. 15, 1952	131.37	Jan. 17, 1957	148.53
June 1	149.0	Jan. 6, 1953	143.76	Dec. 11	143.32
6	136.2	Jan. 14, 1954	143.99		

J-51. Lat. $31^{\circ}28'$, long. $100^{\circ}11'$. Diameter 6 inches, depth 87 feet. Cased to 87 feet.

Oct. 29, 1940	86.68	July 3, 1949	80.16	Mar. 1, 1950	80.65
Sept. 28, 1948	81.24				

J-55. Lat. $31^{\circ}28'$, long. $100^{\circ}13'$. Diameter 10 inches, depth 101 feet. Cased to 18 feet. Lsd. 1,808.9 feet above msl.

Nov. 5, 1948	70.05	Jan. 29, 1952	80.16	Dec. 6, 1955	89.10
July 3, 1949	69.62	Jan. 6, 1953	87.25	Jan. 16, 1957	88.28
Feb. 9, 1950	67.86	Jan. 14, 1954	85.43	Dec. 11	83.87

WATER-LEVEL MEASUREMENTS IN TOM GREEN COUNTY -- CONTINUED

J-65. Lat. $31^{\circ}26'$, long. $100^{\circ}13'$. Diameter 6 inches, depth 74 feet.
Lsd. 1,783 feet above msl.

Date	Water level	Date	Water level	Date	Water level
Aug. 26, 1943	49.10	Dec. 22, 1948	53.63	Dec. 6, 1955	54.83
Dec. 17	49.98	July 4, 1949	47.71	Jan. 16, 1957	58.68
May 23, 1944	50.36	Feb. 27, 1950	52.46	Dec. 13	48.32
Jan. 18, 1946	48.95	Jan. 14, 1954	52.76		

J-71. Lat. $31^{\circ}27'$, long. $100^{\circ}14'$. Diameter 14 inches, depth 177 feet. Cased to 20 feet. Lsd. 1,806.4 feet above msl.

Aug. 2, 1943	46.33	Jan. 29, 1952	61.15	Jan. 16, 1957	74.20
Sept. 27, 1948	56.3	Jan. 7, 1953	67.38	Dec. 10	63.60
July 4, 1949	51.65	Jan. 14, 1954	65.09		
Feb. 16, 1950	54.9	Dec. 6, 1955	69.85		

J-74. Lat. $31^{\circ}26'$, long. $100^{\circ}14'$. Diameter 8 inches, depth 62 feet.
Lsd. 1,798.9 feet above msl.

Aug. 5, 1943	28.83	Dec. 10, 1948	35.70	July 4, 1949	30.72
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J-75. Lat. $31^{\circ}25'$, long. $100^{\circ}12'$. Diameter 5 inches, depth 81 feet.
Cased to 81 feet. Lsd. 1,819 feet above msl.

Nov. 1, 1940	67.12	Jan. 19, 1946	67.05	July 4, 1949	66.85
Dec. 18, 1943	67.36	Dec. 22, 1948	67.23	Feb. 27, 1950	68.35

J-77. Lat. $31^{\circ}31'$, long. $100^{\circ}12'$. Diameter 12 inches, depth 129 feet.

Apr. 18, 1951	91.51	June 21, 1951	100.7	Jan. 5, 1953	118.42
June 5	108.4	Jan. 15, 1952	103.12		

J-78. Lat. $31^{\circ}30'$, long. $100^{\circ}12'$. Diameter 12 inches, depth 141 feet. Cased to 130 feet.

June 5, 1951	113.7	Jan. 15, 1952	109.5	Jan. 14, 1954	125.88
21	106.87	Jan. 5, 1953	122.88		

J-80. Lat. $31^{\circ}30'$, long. $100^{\circ}12'$. Diameter 12 inches, depth 177 feet. Cased to 150 feet.

Apr. 19, 1951	117.1	Jan. 15, 1952	123.93	Jan. 17, 1957	158.51
June 5	126.1	Jan. 6, 1953	140.64		

WATER-LEVEL MEASUREMENTS IN TOM GREEN COUNTY -- CONTINUED

J-81. Lat. 31°30', long. 100°12'. Diameter 12 inches, depth 179 feet.

Date	Water level	Date	Water level	Date	Water level
Apr. 19, 1951	122.0	Jan. 15, 1952	127.14	Jan. 17, 1957	163.85
June 6	133.8	Dec. 7, 1955	166.	Dec. 11	159.

J-87. Lat. 31°30', long. 100°13'. Diameter 12 inches, depth 176 feet.

Apr. 19, 1951	125.38	Jan. 15, 1952	128.01	Jan. 14, 1954	151.25
June 5	131.6				

M-6. Lat. 31°24', long. 100°23'. Diameter 12 inches, depth 87 feet.
Lsd. 1,862 feet above msl.

Nov. 12, 1948	49.64	Jan. 29, 1952	51.41	Jan. 17, 1957	59.01
June 30, 1949	48.61	Jan. 6, 1953	52.88	Dec. 12	55.52
Feb. 20, 1950	48.95	Jan. 15, 1954	52.55		
Mar. 31	53.80	Dec. 6, 1955	55.92		

M-12. Lat. 31°24', long. 100°16'. Diameter 12 inches, depth 98 feet.
Cased to 22 feet. Lsd. 1,839.9 feet above msl.

Nov. 26, 1948	65.91	Jan. 29, 1952	72.90	Jan. 15, 1957	91.97
July 1, 1949	62.66	Jan. 15, 1954	78.95	Dec. 10	82.56
Feb. 15, 1950	62.17	Dec. 6, 1955	83.80		

M-20. Lat. 31°23', long. 100°23'. Diameter 10 inches, depth 82 feet.
Cased to 81 feet.

Nov. 30, 1948	52.33	Jan. 29, 1952	52.88	Dec. 6, 1955	59.97
June 30, 1949	44.60	Jan. 6, 1953	56.32		
Feb. 20, 1950	45.70	Jan. 15, 1954	54.23		

M-32. Lat. 31°23', long. 100°17'. Diameter 12 inches, depth 114 feet.
Cased to 65 feet. Lsd. 1,852.1 feet above msl.

Nov. 16, 1948	72.50	June 30, 1949 a	92.85	Jan. 15, 1954	85.52
Apr. 16, 1949	69.03	Feb. 15, 1950	67.12		

WATER-LEVEL MEASUREMENTS IN TOM GREEN COUNTY -- CONTINUED

M-35. Lat. 31°23', long. 100°15'. Diameter 16 inches, depth 100 feet. Cased to 100 feet. Lsd. 1,848.7 feet above msl.

Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1946	56.80	Nov. 26, 1948	61.47	Feb. 15, 1950	58.58

M-39. Lat. 31°22', long. 100°17'. Diameter 8 inches, depth 124 feet. Cased to 120 feet. Lsd. 1,867.8 feet above msl.

Jan. 16, 1946	68.95	Jan. 29, 1952	83.10	Jan. 16, 1957	107.09
Nov. 10, 1948	77.64	Jan. 6, 1953	97.42	Dec. 12	91.63
Apr. 16, 1949	75.14	Jan. 15, 1954	95.78		
Feb. 16, 1950	71.9	Dec. 6, 1955	102.03		

M-45. Lat. 31°22', long. 100°18'. Diameter 10 inches, depth 117 feet. Cased to 117 feet. Lsd. 1,861.3 feet above msl.

Nov. 19, 1948	68.90	Jan. 29, 1952	73.10	Dec. 13, 1957	80.54
Feb. 16, 1950	63.17	Jan. 16, 1957	92.64		

M-46. Lat. 31°21', long. 100°23'. Diameter 10 inches, depth 150 feet. Cased to 126 feet.

Nov. 24, 1948	81.00	June 30, 1949	79.27	Mar. 31, 1950	76.90
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M-47. Lat. 31°21', long. 100°21'. Diameter 10 inches, depth 80 feet. Cased to 20 feet.

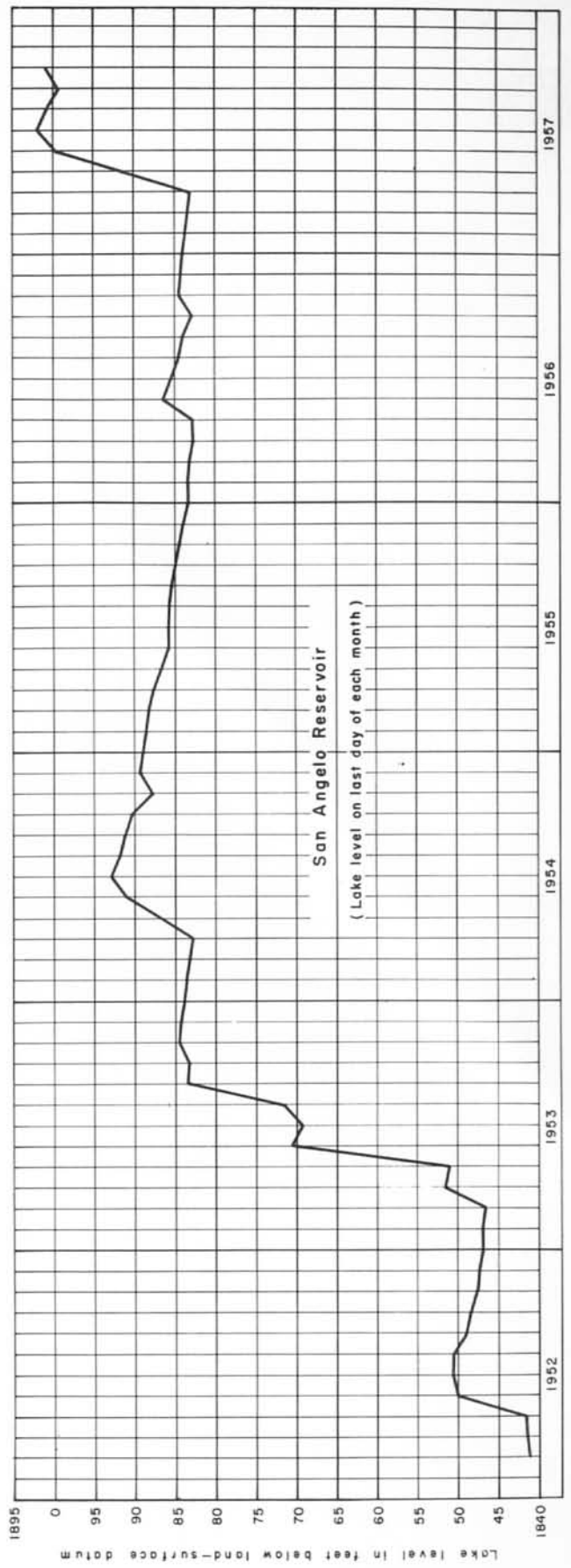
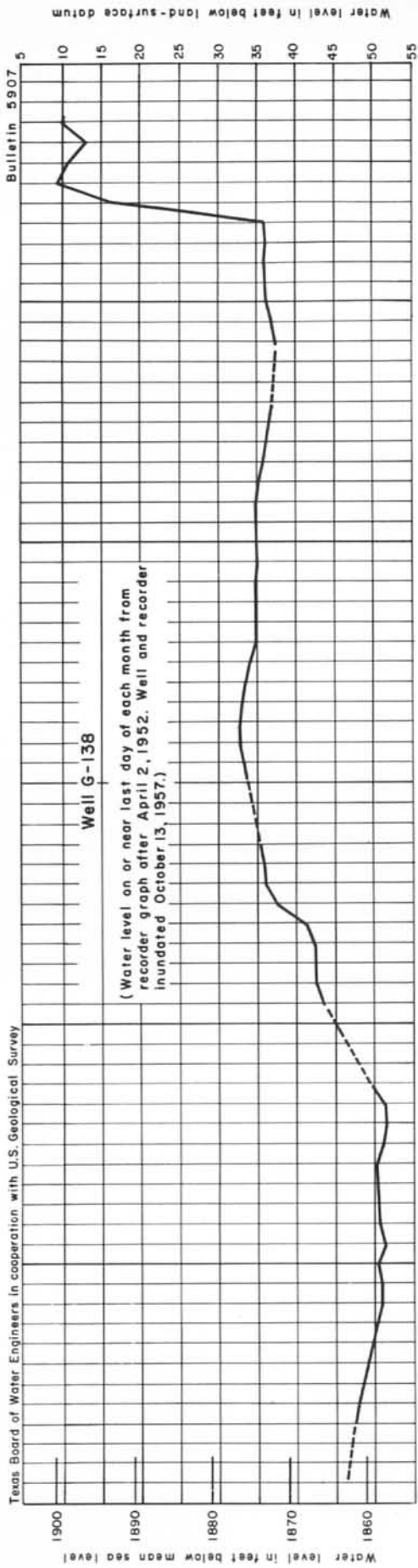
Jan. 17, 1946	56.40	June 30, 1949	61.66	Mar. 10, 1950	60.23
Dec. 3, 1948	65.40				

M-50. Lat. 31°22', long. 100°20'. Diameter 6 inches, depth 120 feet. Cased to 120 feet.

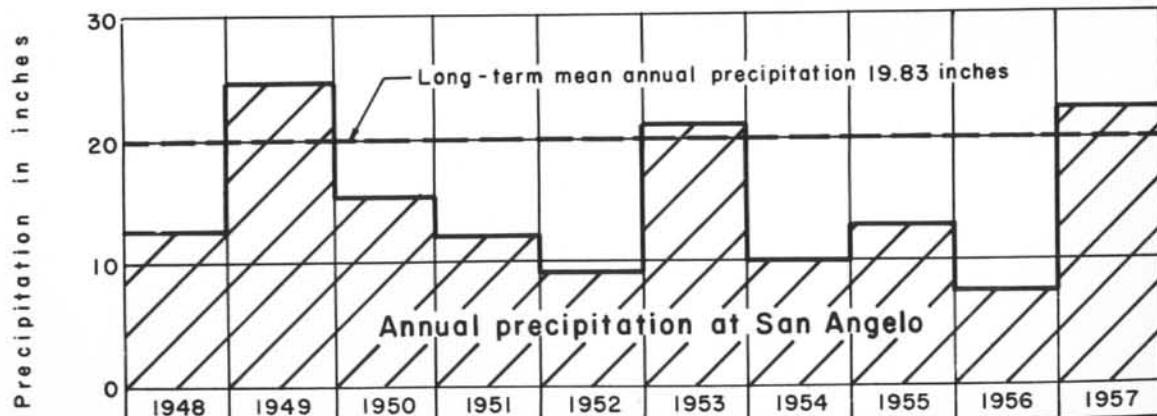
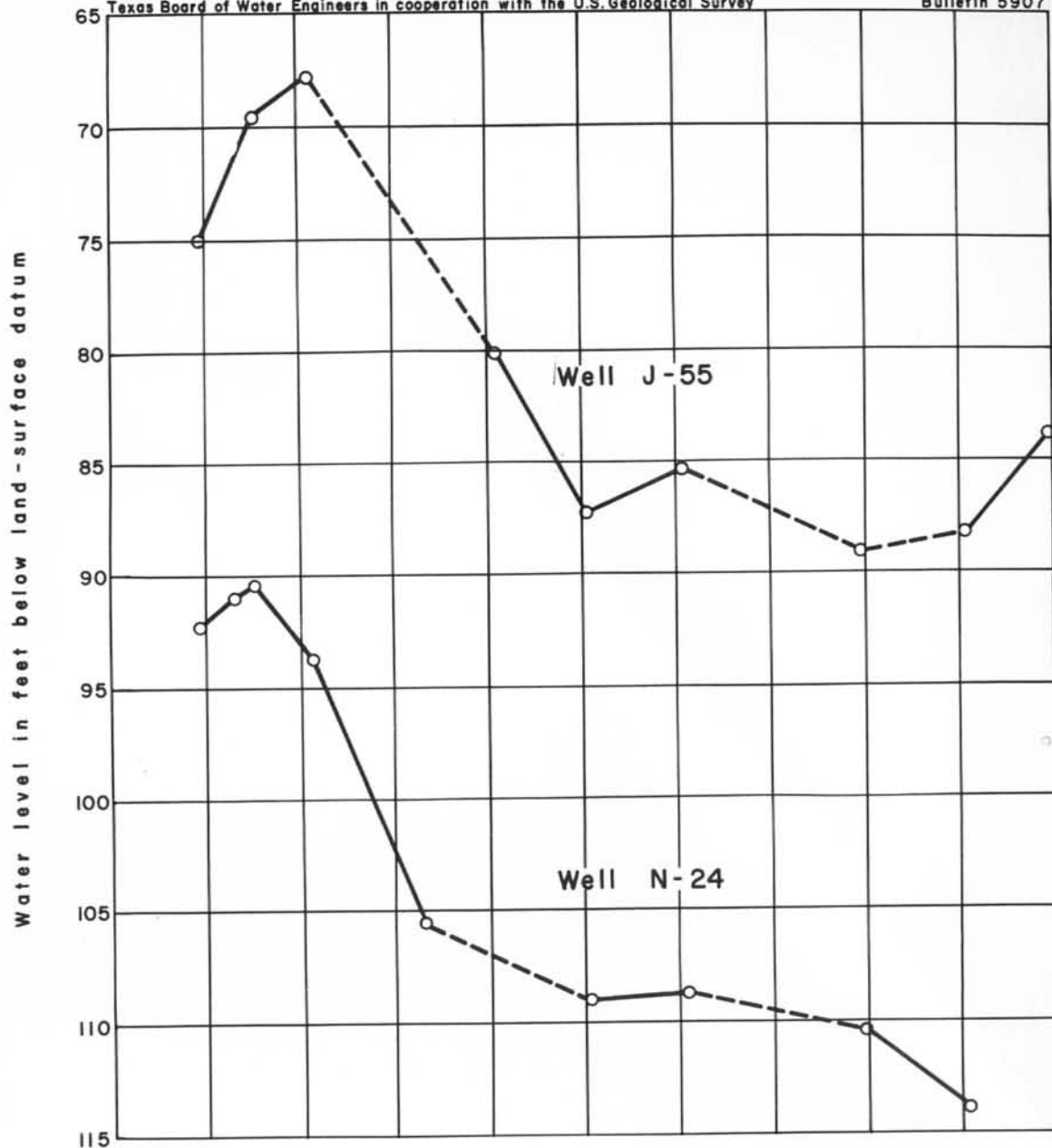
Dec. 23, 1948	62.30	June 30, 1949	65.11	Feb. 20, 1950	58.30
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M-58. Lat. 31°21', long. 100°16'. Diameter 12 inches, depth 214 feet. Cased to 114 feet. Lsd. 1,885.0 feet above msl.

Apr. 16, 1949	104.50	Jan. 7, 1953	131.56	Jan. 17, 1957	134.66
June 30	99.70	Jan. 15, 1954	131.05	Dec. 12	106.48
Jan. 29, 1952	122.48	Dec. 7, 1955	133.69		







HYDROGRAPHS OF WATER LEVELS IN WELLS J-55 AND N-24
TOM GREEN COUNTY, AND ANNUAL PRECIPITATION
AT SAN ANGELO, TEXAS

