

TEXAS STATE BOARD OF WATER ENGINEERS

R. M. Dixon, Chairman
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BULLETIN 5503

RECORDS OF WATER-LEVEL MEASUREMENTS IN HASKELL
AND KNOX COUNTIES, TEXAS

Compiled by

C. R. Follett, Engineer

Texas State Board of Water Engineers

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

September 1955

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RECORDS OF WATER-LEVEL MEASUREMENTS IN HASKELL AND

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The bulletin contains records of measurements of the depth to water in feet below land-surface datum in 28 wells in Haskell County and 15 wells in Knox County. It is one of a series of publications by the Texas State Board of Water Engineers which contains measurements of the water levels in selected observation wells made as a part of the cooperative program of ground-water investigations throughout Texas by the United States Geological Survey and the Texas State Board of Water Engineers. The records cover the years 1944 and 1951-55.

The accompanying maps show the locations of the observation wells. Hydrographs showing the fluctuation of the water level in a few selected wells and the precipitation at a nearby Weather Bureau station are given for each county. Records of wells, geologic data, and pumpage data are given in the following publications.

LIST OF PUBLICATIONS

BROADHURST, W. L., and FOLLETT, C. R., 1944, Preliminary report of the ground-water resources near Stamford in Jones and Haskell Counties, Texas: Texas State Board of Water Engineers, Memorandum, in open file.

FOLLETT, C. R., and DANTE, JOHN H., 1945, Ground water in the vicinity of Benjamin, Texas: Texas State Board of Water Engineers, Memorandum, in open file.

GORDON, C. H., 1913, Geology and underground waters of the Wichita region, north-central Texas: U. S. Geol. Survey Water-Supply Paper 317.*

HUGGINS, L. P., and TURNER, SAMUEL F., 1937, Records of wells in Knox County: Texas State Board of Water Engineers.

SUNDSTROM, R. W., BROADHURST, W. L., and DWYER, B. C., 1947, Public water supplies in central and north-central Texas: Texas State Board of Water Engineers.*

_____, 1949, Public water supplies in central and north-central Texas: U. S. Geol. Survey Water-Supply Paper 1069.

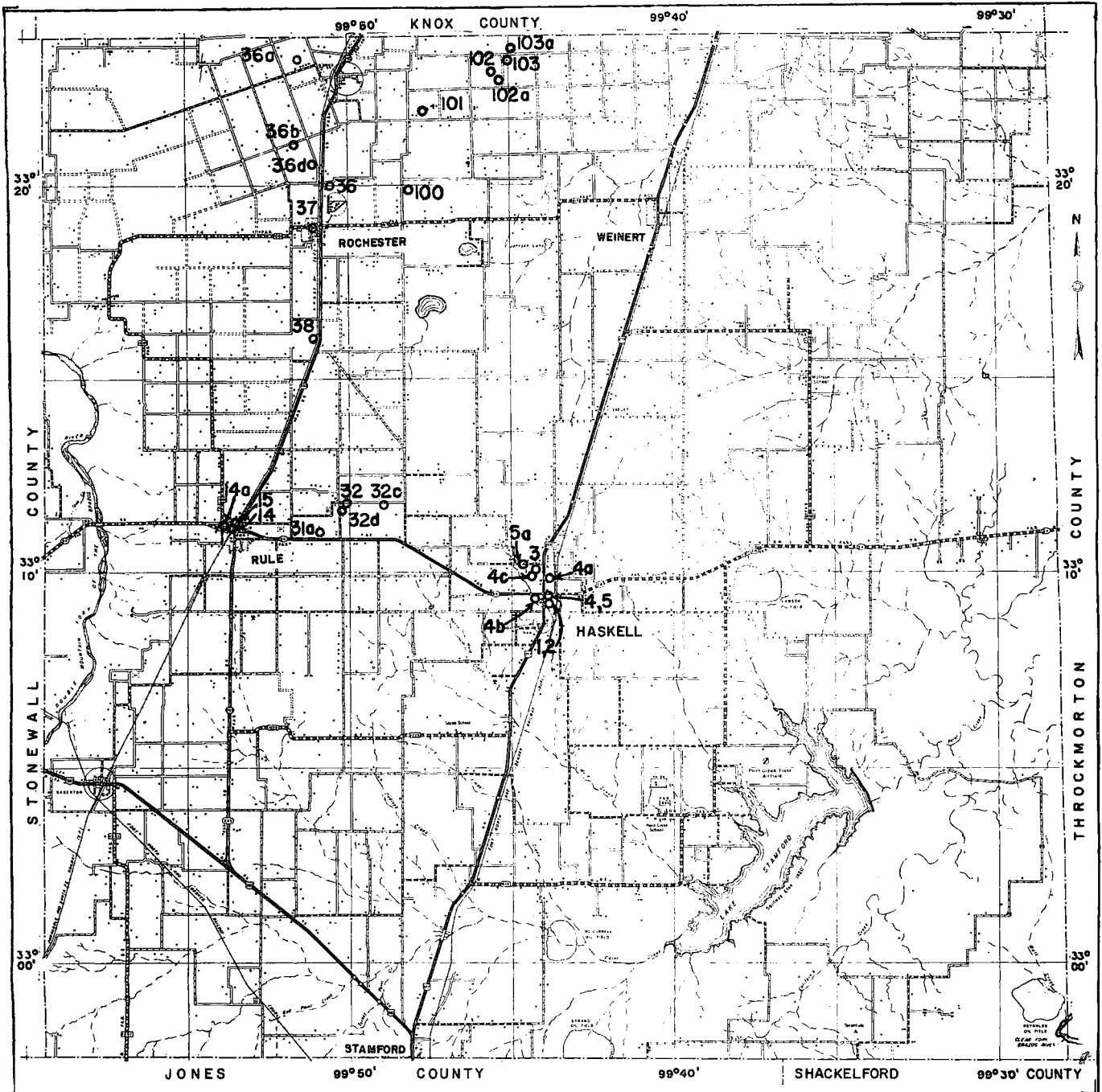
* Out of print. Copies available for reference at the Austin office of the U. S. Geological Survey.

HASKELL COUNTY

HASKELL COUNTY, TEXAS OBSERVATION WELLS

January 1955

Bulletin 5503
Texas Board of Water Engineers
in cooperation with
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Base map from Texas State
Highway Department

0 1 2 3 4 5 MILES

HASKELL COUNTY

1. City of Haskell Well 1. Lat. 33°09', long. 99°43'. Dug well, diameter 20 feet, depth 19 feet.

Date	Water Level	Date	Water Level	Date	Water Level
Mar. 1, 1951	c 7.38	Jan. 6, 1953	c 7.65	Jan. 3, 1955	a 6.40
Feb. 12, 1952	c 10.37	Jan. 4, 1954	7.40		

2. City of Haskell Well 2. Lat. 33°09', long. 99°43'. Dug well, diameter 20 feet, depth 20 feet.

Date	Water Level	Date	Water Level	Date	Water Level
Mar. 1, 1951	a 9.34	Jan. 4, 1954	10.19	Jan. 3, 1955	9.22
Jan. 6, 1953	a 9.75				

3. City of Haskell Well 5. Lat. 33°10', long. 99°44'. Dug well, diameter 28 feet, depth 30 feet.

Date	Water Level	Date	Water Level	Date	Water Level
Mar. 1, 1951	a 23.61	Jan. 6, 1953	a 22.91	Jan. 3, 1955	20.36
Feb. 12, 1952	a 20.93	Jan. 4, 1954	19.34		

4. City of Haskell Well 3. Lat. 33°09', long. 99°43'. Dug well, diameter 20 feet, depth 30 feet.

Date	Water Level	Date	Water Level	Date	Water Level
Mar. 17, 1944	19.0	Jan. 6, 1953	17.90	Jan. 3, 1955	16.87
Mar. 1, 1951	16.36	Jan. 4, 1954	16.34		

4a. City of Haskell Well 6. Lat. 33°09', long. 99°43'. Dug well, diameter 16 feet, depth 27 feet.

Date	Water Level	Date	Water Level	Date	Water Level
Mar. 1, 1951	16.36	Jan. 6, 1953	a 20.55	Jan. 3, 1955	19.36
Feb. 12, 1952	16.35	Jan. 4, 1954	17.55		

- a/ Pumping.
- b/ Pumped recently.
- c/ Nearby well being pumped.

HASKELL COUNTY

4b. City of Haskell Well 7. Lat. 33°09', long. 99°44'. Dug well, diameter 28 feet, depth 27 feet.

Date	Water Level	Date	Water Level	Date	Water Level
Mar. 1, 1951	16.33	Jan. 6, 1953	18.03	Jan. 3, 1955	18.14
Feb. 12, 1952	b 18.78	Jan. 4, 1954	a 22.03		

4c. City of Haskell Well 8. Lat. 33°09', long. 99°44'. Dug well, diameter 28 feet, depth 27 feet.

Date	Water Level	Date	Water Level	Date	Water Level
Mar. 1, 1951	16.03	Jan. 6, 1953	17.96	Jan. 3, 1955	18.50
Feb. 12, 1952	16.65	Jan. 4, 1954	17.71		

5. City of Haskell Well 4. Lat. 33°09', long. 99°43'. Dug well, diameter 20 feet, depth 28 feet.

Date	Water Level	Date	Water Level	Date	Water Level
Mar. 17, 1944	19.0	Jan. 4, 1954	17.41	Jan. 3, 1955	15.08
Jan. 6, 1953	17.34				

5a. City of Haskell Well 9. Lat. 33°09', long. 99°44'. Drilled well, diameter 14 inches, depth 54 feet.

Date	Water Level	Date	Water Level
Jan. 6, 1953	25.8	Jan. 3, 1955	26.32

14. City of Rule Well 1. Lat. 33°11', long. 99°53'. Dug well, diameter 18 feet, depth 45 feet.

Date	Water Level	Date	Water Level	Date	Water Level
Mar. 21, 1944	32.04	Feb. 12, 1952	b 38.05	Jan. 4, 1955	a 42.70
Mar. 1, 1951	b 36.84	Jan. 6, 1953	a 40.97		

14a. City of Rule Well 2. Lat. 33°11', long. 99°53'. Dug well, diameter 20 feet, depth 54 feet.

Date	Water Level	Date	Water Level	Date	Water Level
Mar. 1, 1951	40.58	Jan. 6, 1953	44.27	Jan. 4, 1955	b 46.11
Feb. 12, 1952	41.50	Jan. 4, 1954	44.52		

HASKELL COUNTY

15. Lat. 33°11', long. 99°53'. Dug well, diameter 18 feet, depth 49 feet.

Date	Water Level	Date	Water Level	Date	Water Level
Mar. 21, 1944	31.74	Feb. 11, 1952	34.97	Jan. 4, 1954	37.74
Mar. 1, 1951	34.19	Jan. 5, 1953	b 38.32		

31a. Lat. 33°10', long. 99°50'. Drilled well, diameter 14 inches, depth 50 feet.

Jan. 4, 1954	29.05	Jan. 3, 1955	30.21		
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32. Lat. 33°11', long. 99°50'. Dug well, diameter 30 inches, depth 37 feet.

Mar. 23, 1944	24.36	Jan. 4, 1954	24.04	Jan. 3, 1955	25.66
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32c. Lat. 33°11', long. 99°48'. Drilled well, diameter 14 inches.

Jan. 4, 1954	26.76	Jan. 3, 1955	27.58		
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32d. Lat. 33°11', long. 99°50'. Drilled well, diameter 14 inches, depth 43 feet.

Jan. 4, 1954	26.31	Jan. 3, 1955	27.67		
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36. Lat. 33°19', long. 99°50'. Dug well, diameter 9 feet, depth 65 feet.

Mar. 24, 1944	42.55	Jan. 4, 1954	37.03	Jan. 4, 1955	37.68
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36a. Lat. 33°23', long. 99°51'. Drilled well, diameter 12 inches, depth 42 feet.

Mar. 1, 1951	15.07	Jan. 5, 1953	18.03	Jan. 4, 1955	18.15
Feb. 11, 1952	16.75	Jan. 4, 1954	17.76		

HASKELL COUNTY

36b. Lat. 33°21', long. 99°51'. Drilled well, diameter 14 inches, depth 45 feet.

Date	Water Level	Date	Water Level	Date	Water Level
Jan. 5, 1953	19.32	Jan. 4, 1954	20.03	Jan. 4, 1955	21.11

36d. Lat. 33°20', long. 99°51'. Dug well, diameter 24 inches, depth 46 feet.

Jan. 5, 1953	16.85	Jan. 4, 1954	17.63	Jan. 4, 1955	18.88
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37. City of Rochester. Lat. 33°18', long. 99°51'. Dug well, diameter 12 feet, depth 54 feet.

Mar. 24, 1944	b 22.90	Feb. 11, 1952	15.83	Jan. 4, 1954	b 19.33
Mar. 1, 1951	17.29	Jan. 5, 1953	18.69	Jan. 4, 1955	a 22.62

38. Lat. 33°15', long. 99°51'. Dug well, diameter 30 inches, depth 25 feet.

Mar. 24, 1944	9.11	Feb. 11, 1952	12.83	Jan. 4, 1954	15.32
Mar. 1, 1951	11.66	Jan. 5, 1953	15.00	Jan. 3, 1955	17.40

100. Lat. 33°19', long. 99°48'. Drilled well, diameter 13 inches, depth 69 feet.

Feb. 12, 1952	13.41	Jan. 4, 1954	14.66	Jan. 4, 1955	15.06
Jan. 6, 1953	13.72				

101. Lat. 33°21', long. 99°47'. Drilled well, diameter 14 inches, depth 64 feet.

Feb. 12, 1952	20.27	Jan. 4, 1954	22.70	Jan. 4, 1955	25.41
Jan. 6, 1953	20.20				

102. Lat. 33°22', long. 99°45'. Dug well, diameter 30 inches, depth 41 feet.

Feb. 12, 1952	12.99	Jan. 5, 1954	18.30	Jan. 4, 1955	19.03
Jan. 6, 1953	16.62				

HASKELL COUNTY

102a. Lat. 33°22', long. 99°45'. Drilled well, depth 64 feet.

Date	Water Level	Date	Water Level	Date	Water Level
Jan. 6, 1953	21.22	Jan. 5, 1954	22.94	Jan. 4, 1955	23.38

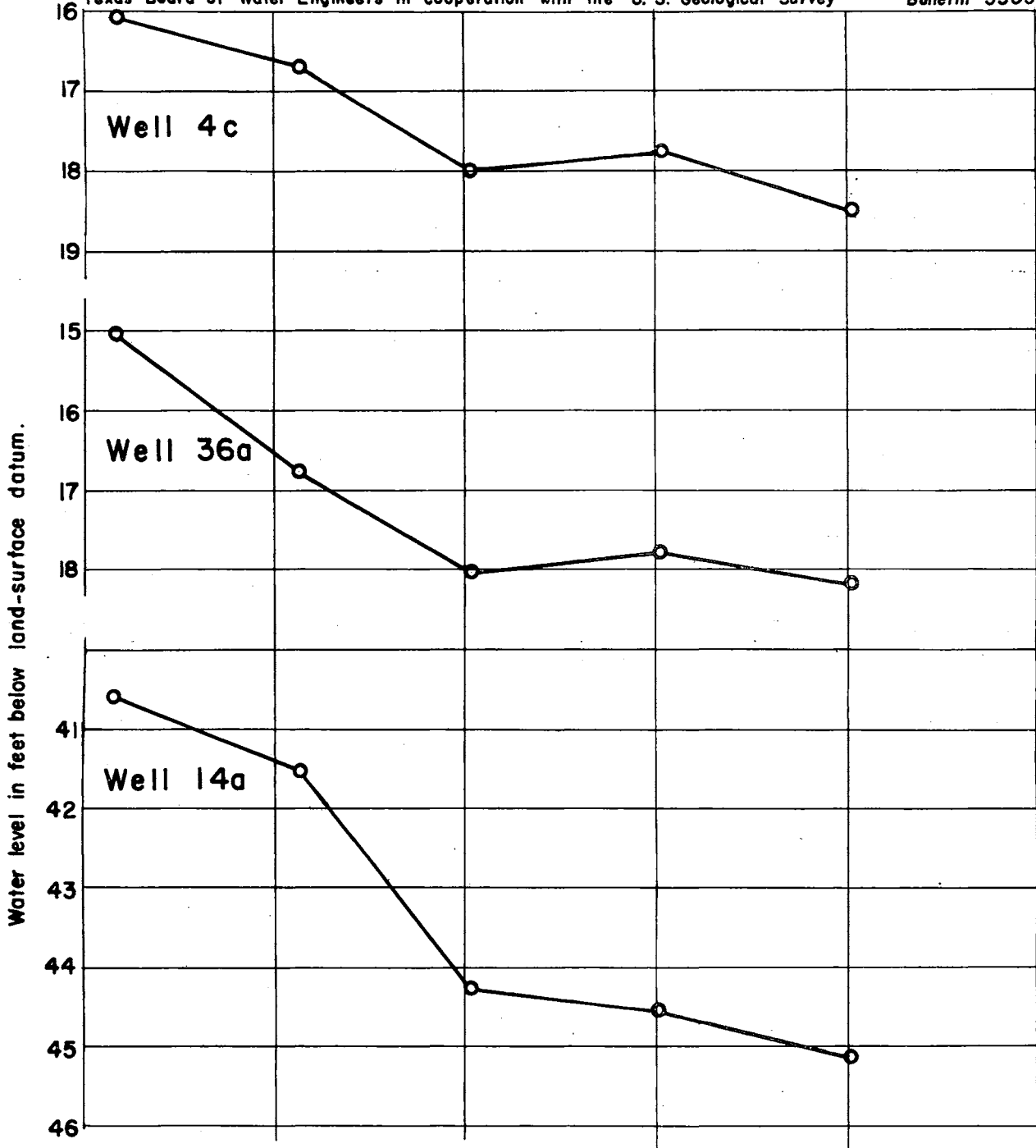
103. Lat. 33°23', long. 99°45'. Dug well, diameter 24 inches, depth 35 feet.

Feb. 12, 1952	13.28	Jan. 5, 1954	17.30	Jan. 4, 1955	18.59
Jan. 6, 1953	15.94				

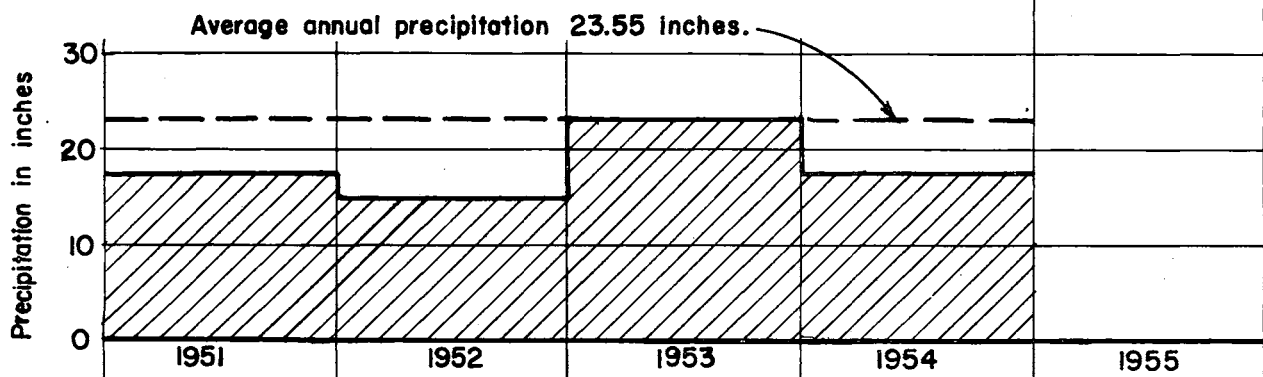
103a. Lat. 33°23', long. 99°44'. Drilled well, diameter 16 inches, depth 50 feet.

Jan. 6, 1953	17.86	Jan. 5, 1954	18.98	Jan. 4, 1955	19.90
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- a/ Pumping
- b/ Pumped recently
- c/ Nearby well being pumped



Annual precipitation at Haskell



Hydrographs showing fluctuation of water levels in Haskell County wells and the annual precipitation at Haskell, Tex.

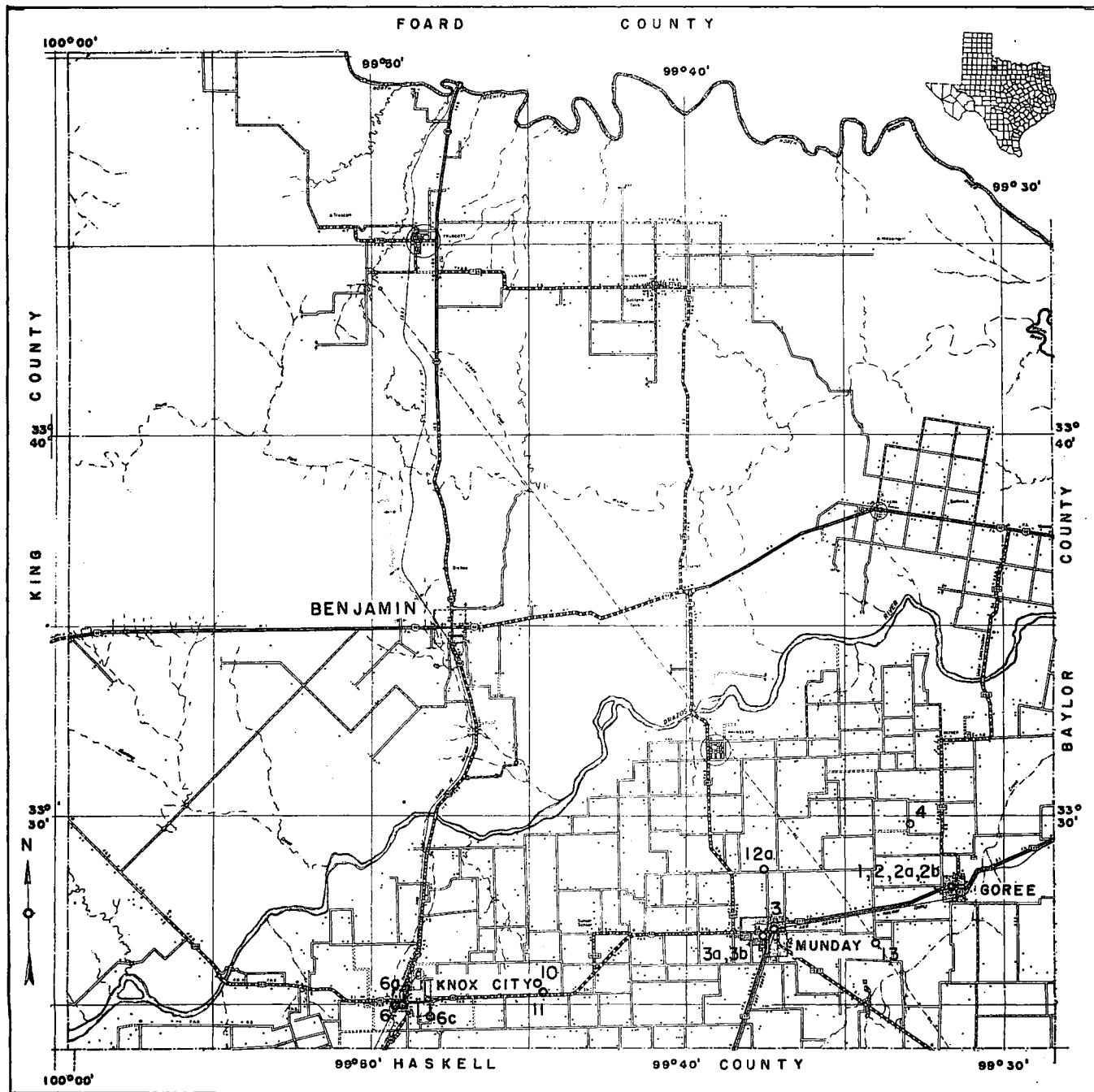
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KNOX COUNTY

KNOX COUNTY, TEXAS OBSERVATION WELLS

January 1955

Bulletin 5503
Texas Board of Water Engineers
in cooperation with
U. S. Geological Survey



Base map from Texas State
Highway Department

1 0 1 2 3 4 5 MILES

KNOX COUNTY

1. City of Goree Well 1. Lat. 33°28', long. 99°31'. Dug well, diameter 12 feet, depth 45 feet.

Date	Water Level	Date	Water Level	Date	Water Level
Mar. 22, 1944	b 25.52	Feb. 11, 1952	b 31.02	Jan. 3, 1955	22.37
Mar. 1, 1951	b 26.82	Jan. 4, 1954	b 27.63		

2. City of Goree Well 2. Lat. 33°28', long. 99°31'. Drilled well, diameter 14 inches, depth 45 feet.

Mar. 22, 1944	21.88	Jan. 6, 1953	24.60	Jan. 3, 1955	22.68
Mar. 1, 1951	20.31	Jan. 4, 1954	24.51		

- 2a. City of Goree Well 3. Lat. 33°28', long. 99°31'. Drilled well, diameter 14 inches, depth 60 feet.

Jan. 6, 1953	17.72	Jan. 5, 1954	18.64	Jan. 3, 1955	18.89
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- 2b. Lat. 33°28', long. 99°31'. Dug well, diameter 31 inches, depth 22 feet.

Feb. 11, 1952	17.50	Jan. 5, 1954	21.27	Jan. 3, 1955	21.73
Jan. 6, 1953	19.10				

3. City of Munday Well 1. Lat. 33°26', long. 99°37'. Dug well, diameter 20 feet, depth 37 feet.

Mar. 1, 1951	10.5	Jan. 6, 1953	b 16.14	Jan. 3, 1955	15.14
Feb. 11, 1952	12.8	Jan. 5, 1954	15.14		

- 3a. City of Munday Well 2. Lat. 33°26', long. 99°37'. Drilled well, diameter 24 inches, depth 43 feet.

Jan. 6, 1953	13.31	Jan. 5, 1954	12.23	Jan. 3, 1955	15.50
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b/ Pumped recently

KNOX COUNTY

3b. City of Munday. Lat. 33°26', long. 99°37'. Drilled well, depth 39 feet.

Date	Water Level	Date	Water Level	Date	Water Level
Jan. 5, 1954	11.05	Jan. 3, 1955	14.37		

4. Lat. 33°29', long. 99°33'. Drilled well, diameter 14 inches, depth 69 feet.

Feb. 11, 1952	31.91	Jan. 5, 1954	34.60	Jan. 3, 1955	35.07
Jan. 6, 1953	32.88				

6. Knox City Well 1. Lat. 33°25', long. 99°49'. Dug well, diameter 12 feet square, depth 38 feet.

Mar. 22, 1944	18.51	Feb. 11, 1952	17.90	Jan. 5, 1954	19.75
Mar. 1, 1951	17.14	Jan. 6, 1953	19.44		

6a. Knox City Well 2. Lat. 33°25', long. 99°49'. Dug well, diameter 24 feet, depth 40 feet.

Mar. 1, 1951	b 27.36	Jan. 6, 1953	b 28.13	Jan. 5, 1955	25.43
Feb. 11, 1952	b 25.25	Jan. 5, 1954	b 30.03		

6c. Knox City Well 3. Lat. 33°24', long. 99°48'. Drilled well, diameter 14 inches, depth 54 feet.

Jan. 5, 1954	29.43	Jan. 5, 1955	30.14		
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10. Lat. 33°25', long. 99°44'. Drilled well, diameter 14 inches, depth 59 feet.

Jan. 6, 1953	24.51	Jan. 5, 1954	24.00	Jan. 5, 1955	25.04
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KNOX COUNTY

11. Lat. 33°25', long. 99°44'. Dug well, diameter 24 feet, depth 34 feet.

Date	Water Level	Date	Water Level	Date	Water Level
Jan. 6, 1953	22.07	Jan. 5, 1954	21.69	Jan. 5, 1955	22.71

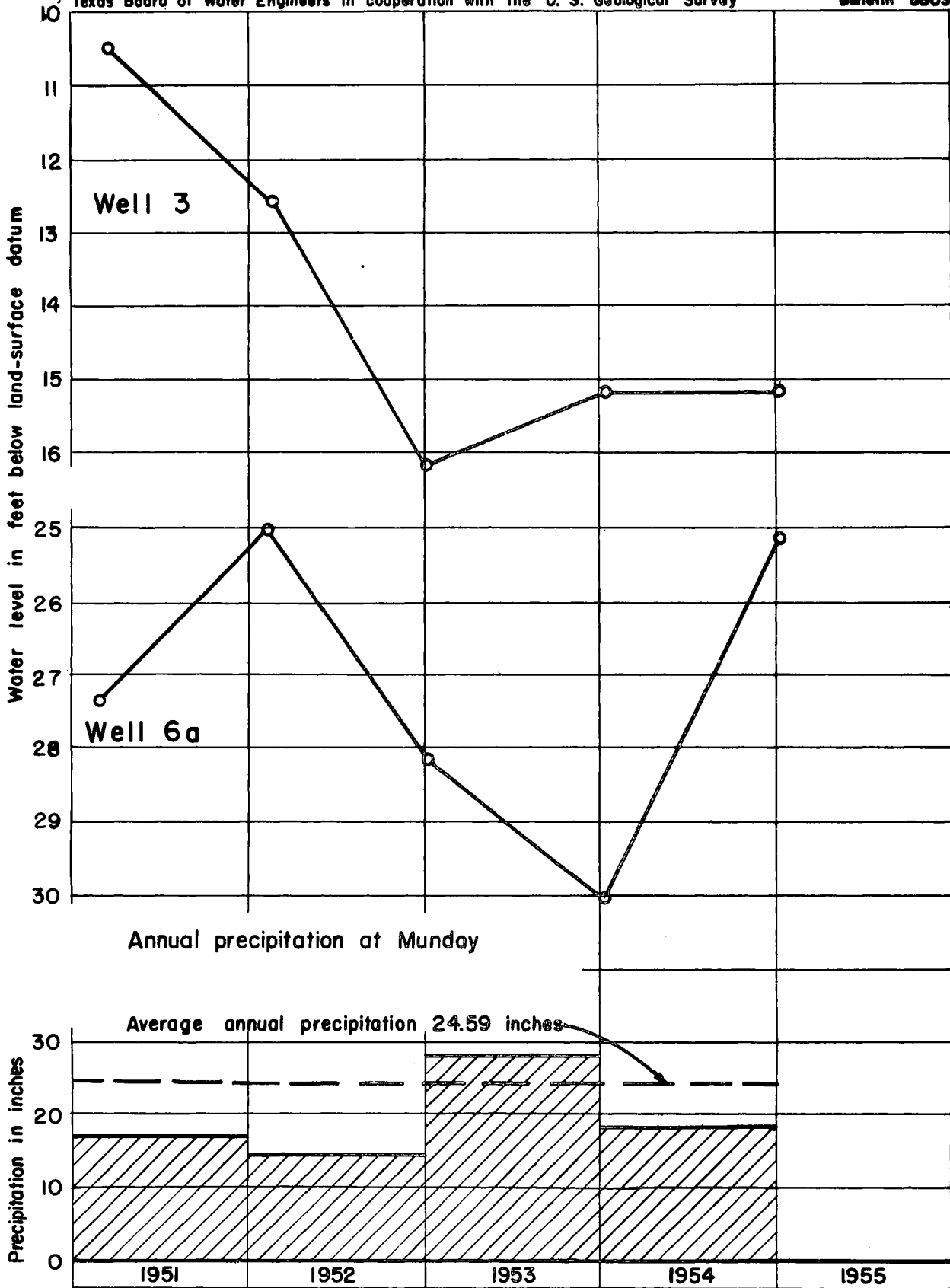
12a. Lat. 33°28', long. 99°37'. Drilled well, depth 57 feet.

Jan. 5, 1954	14.20	Jan. 3, 1955	16.93		
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13. Lat. 33°26', long. 99°34'. Drilled well, diameter 14 inches.

Jan. 5, 1954	11.39	Jan. 3, 1955	13.80		
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b/ Pumped recently



Hydrographs showing fluctuation of water levels in Knox County wells and the annual precipitation at Munday, Tex.