TEXAS BOARD OF WATER ENGINEERS

R. M. Dixon, Chairman H. A. Beckwith, Member O. F. Dent, Member

BULLETIN 5613

RECORDS OF WATER-LEVEL MEASUREMENTS IN CHILDRESS, COTTLE, HARDEMAN, AND KING COUNTIES, TEXAS

1940 TO JANUARY 1956

Compiled by

C. R. Follett, Engineer
Texas Board of Water Engineers

From records of the Texas Board of Water Engineers
and the
Geological Survey, United States Department of the Interior

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RECORDS OF WATER-LEVEL MEASUREMENTS IN CHILDRESS, COTTLE, HARDEMAN AND KING COUNTIES, TEXAS

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July 1956

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 ground-water supplies. To evaluate effects on ground-water development in relation to available supply, periodic measurements of water levels are made in the principal reservoirs of the state through an observation well program financed cooperatively by the Texas Board of Water Engineers and the United States Geological Survey.

Water levels in some observation wells are published annually in Water-Supply Papers of the Geological Survey. County water-level reports are published periodically by the Texas Board of Water Engineers and include the recorded water levels in selected observation wells. This bulletin contains measurements of the depth to water in feet below land-surface datum in 38 wells in Childress County, 6 in Cottle County, 13 in Hardeman and 2 in King County.

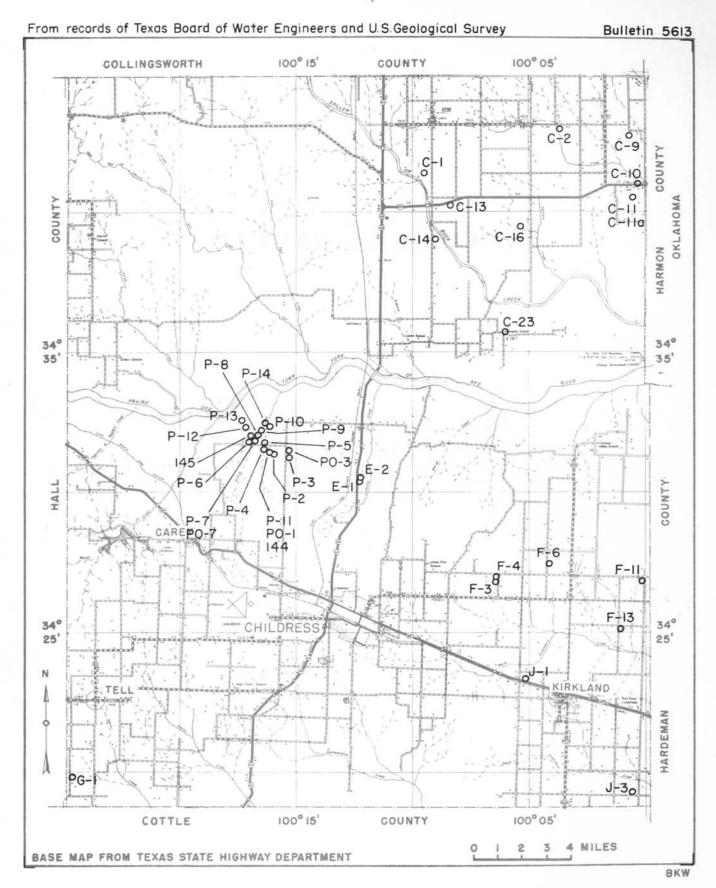
During 1940-41 an inventory of the wells and springs in Childress County was made by the Texas Board of Water Engineers, the Geological Survey, and the City of Childress. The results were published by the Texas Board of Water Engineers in 1942. Part of the water-level measurements made in the City of Childress well field by the city personnel are included in this report. An inventory of the wells in Hardeman County was made and published in 1936 by the Texas Board of Water Engineers and the Geological Survey.

Water levels are reported in feet below land-surface datum. The accompanying maps show the locations of the observation wells. Well numbers on the map correspond to those in the table of measurements. Hydrographs showing the fluctuation of water levels in wells in Childress County are shown on pages 13 and 14, in Cottle County on page 17, and in Hardeman County on page 22. Annual precipitation at Childress, Paducah and Quanah is also shown on the hydrographs. Records of wells, geologic data and discussions of ground water conditions are in the included list of publications.

LIST OF PUBLICATIONS

- BROADHURST, W. L., SUNDSTROM, R. W., and WEAVER, D. E., 1949, Public water supplies in western Texas: Texas Board of Water Engineers. Also published by U. S. Geol. Survey as Water Supply Paper 1106, 1951.
- DANTE, J. H., and FOLLETT, C. R., 1945, Ground water in the vicinity of Paducah, Cottle County, Texas: Texas Board of Water Engineers. Memorandum in open file.
- DANTE, J. H., 1946, Progress report, ground water in the vicinity of Paducah, Cottle County, Texas: Texas Board of Water Engineers. Memorandum in open file.
- GEORGE, W. O., and FOSTER, C. V., 1942, Records of wells in Childress County, Texas: Texas Board of Water Engineers.
- GEORGE, W. O., 1945, Progress Report, exploration for ground-water for City of Childress, Childress County, Texas: Texas Board of Water Engineers. Memorandum in open file.
- GEORGE, W. O., BARNES, B. A., and BROADHURST, W. L., 1946, Exploration of the Michie Sand Hills area, Childress County, Texas: Texas 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.*
- LANG, J. W., 1945, Memorandum on ground-water resources in the Acme area, (Hardeman County), Texas: Texas Board of Water Engineers.
- RUSSELL, F. E. and HUGGINS, L. P., 1936, Records of wells in Hardeman County, Texas: Texas Board of Water Engineers.
- SHAFER, G. H., The use of ground water for irrigation in Childress County, Texas: Pending publication by Texas 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 Board of Water Engineers.* Also published by U. S. Geol. Survey as Water Supply Paper 1069, 1949.
- *Out of print. Copies available for reference in some public libraries and at the Austin offices of the Texas Board of Water Engineers and the U.S. Geological Survey.

CHILDRESS COUNTY



OBSERVATION WELLS IN CHILDRESS COUNTY, TEX.
JANUARY 1956

WATER-LEVEL MEASUREMENTS IN CHILDRESS COUNTY, TEXAS

144. T. W. Deerman. Lat. 34°31', long. 100°16'. Diameter 4 inches, depth 82 feet.

02	2000.				
Date	Water level	Date	Water level	Date	Water level
Nov. 28, 1940 Apr, 1946 Feb. 22, 1951	62.59 59.0 61.21	Feb. 8, 1952 Jan. 10, 1953 Jan. 11, 1954	66.21 68.40 72.02	Jan. 10, 1955 Jan. 12, 1956	73.61 75.38
	. R. Greer. feet.	Lat. 34°13', long	g. 100°16'.	Diameter 6 inches,	depth
Sept.18, 1940 Apr, 1946	29.53 24.5	Feb. 22, 1951 Feb. 8, 1952	33.87 36.13	Jan. 10, 1953 Jan. 11, 1954	38.04 39.56
		fey. Lat. 34°41', cased to 67 feet.	long. 100°C	09'. Diameter 16 in	ches,
Sept.26, 1953 Jan. 11, 1954	47.5 42.06	Jan. 12, 1955	43.92	Jan. 11, 1956	41.60
		Lat. 34°43', long. to 146 feet.	. 100°03'.	Diameter 16 inches,	depth
Sept.28, 1953	82.8	Jan. 11, 1954	73.64	Jan. 11, 1956	75.62
	h Painter. feet, not		. 100°00'.	Diameter 16 inches,	depth
Sept.29, 1953	102.92	Jan. 11, 1954	90.19	Jan. 11, 1956	97.78
C-10. Ra	y Fitzer.	Lat. 34°41', long.	100°00'. I	Diameter 14 inches.	

C-11. G. C. Richardson. Lat. 34°40', long. 100°00'. Diameter 16 inches, depth 185 feet, cased to 100 feet.

	Water	Data	Water level	Date	Water level
Date	level	Date			
Sept.28, 1953	80.03	Jan. 9, 1954	73.94	Jan. 11, 1956	81.91
					4.67
C-lla.	G. C. Richard	son. Lat. 34°40'	, long. 100	°00'. Diameter l¼ in	nches.
Jan. 9, 1954	56.25	Jan. 11, 1956	64.95		
C-13. I	. M. Bartlett lepth 177 feet	Lat. 34°40', 10, cased to 6 feet	ong. 100°08	. Diameter 16 inch	es,
Sept.26, 1953		Jan. 12, 1955	61.94	Jan. 11, 1956	55.72
Jan. 9, 1954	10.54	. Tat. 34°39', 1	ong. 100°09	. Diameter 12 inch	es,
C-14. C	C. A. Mitchell depth 170 feet	Lat. 34°39', 1c, cased to 70 fee	t.	Jan. 10, 1956	
C-14. C	C. A. Mitchell depth 170 feet	c, cased to 70 fee	t.		
C-14. C	2. A. Mitchell depth 170 feet 3 46.39 4 45.37	Jan. 12, 1955	46.90		44.85
C-14. C	2. A. Mitchell lepth 170 feet 3 46.39 45.37 45.37	Jan. 12, 1955	46.90 . 100°05'.	Jan. 10, 1956	44.85
C-14. C	2. A. Mitchell lepth 170 feet 3 46.39 45.37 45.37 45.37 45.150 feet.	Jan. 12, 1955 Lat. 34°39', long Jan. 9, 1954 Lat. 34°35', 1	46.90 . 100°05'.	Jan. 10, 1956 Diameter 14 inches,	44.85 depth

E-1. Harry J. Mitchell. Lat. 34°30', long. 100°21'. Diameter 16 inches, depth 100 feet, casing slotted at 60-100 feet.

P 1	Water	5.1	Water	Dollar	Water
Date	level	Date	level	Date	level
Jan. 12, 1955	50.26	Jan. 11, 1956	48.03		
	ry J. Mitche th 73 feet.	ell. Lat. 34°30',	long. 100°	L2'. Diameter 1	O inches,
Jan. 12, 1955	48.37	Jan. 11, 1956	46.55		V. 1 (/u./sa
	bur Rutledge feet, 40 fe	e. Lat. 34°26', lo	ong. 100°06	'. Diameter 10	inches, dept
Sept.24, 1953	94.5	Jan. 9, 1955	90.78	Jan. 10, 19	56 88.0
		e. Lat. 34°27', lo	ong. 100°06	. Diameter 24	inches, dept
305	feet, cased	e. Lat. 34°27', lo l to 10 feet. Jan. 9, 1954	4.50	. Diameter 24	inches, dept
305 Sept.24, 1953 F-6. Cly	100.14 de Nippert.	l to 10 feet.	91.20 g. 100°04'.	Diameter 16 to	
305 Sept.24, 1953 F-6. Cly	100.14 de Nippert. th 180 feet,	Jan. 9, 1954 Lat. 34°27', long	91.20 g. 100°04'.	Diameter 16 to	8 inches,
305 Sept.24, 1953 F-6. Cly dep Sept.23, 1953 F-11. J.	100.14 de Nippert. th 180 feet, 112.6	Jan. 9, 1954 Lat. 34°27', long casing slotted 14	91.20 g. 100°04'. e0-180 feet	Diameter 16 to	8 inches, 55 104.46

F-13. G. W. Hale. Lat. 34°25', long. 100°01'. Diameter 18 inches, depth 120 feet, casing slotted at 50-120 feet.

Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1953 Jan. 9, 1954	43.20 45.94	Jan. 9, 1955	51.01	Jan. 10, 1956	47.68

G-1. Ray Grimes. Lat. 34°19', long. 100°24'. Depth 278 feet, diameter 16 inches, cased to 150 feet, slotted below 20 feet.

							10 (0
Sept.25, 1953 Jan. 12, 1954	55.4 50.52	Jan. 12,	1955	43.92	Jan. 12,	1956	49.63

J-1. Ralph Sides. Lat. 34°23', long. 100°05'. Diameter 14 inches, depth 335 feet.

Jan. 9, 1954 90.78	Sept.25, 1953 Jan. 9, 1954	91.09 90.78	Jan.	9,	1955	92.70	Jan.	9,	1956	90.98
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J-3. Virgil Ellis. Lat. 34°19', long. 100°00'. Diameter 16 inches, depth 168 feet, cased to 70 feet.

Jan.	8, 1954	76.49	Jan.	9,	1955	81.05	Jan.	9,	1956	67.06

P-1. City of Childress. Lat. 34°31', long. 100°16'. Diameter 16 inches, depth 81 feet, screen at 48-80 feet.

Sept.26, 1946 47 Sept.26 a 62 Feb. 10, 1947 49 Feb. 10 56	Sept.16, 1947 65.74 Feb. 22, 1951 61.68 Feb. 8, 1952 67.73 Jan. 10, 1953 68.70	Jan. 11, 1954 71.35 Jan. 10, 1955 73.20
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P-2. City of Childress. Lat. 34°31', long. 100°16'. Diameter 16 inches, depth 145 feet, screen at 101-143 feet.

Date	Water level	Date	Water level	Date	Water level
Dec. 24, 1948 Dec. 24 Apr. 19, 1949	60 a 98 69 a 75 67.2 a 76.5	Mar. 6, 1950 May 2 June 19 July 25 Aug. 7 Sept.25	a 84.5 a 89.5 a 88.5 a 88.5 a 91.5 a 87.5	Jan, 1951 Feb. 8, 1952 Jan. 10, 1953 Jan. 11, 1954 Jan. 10, 1955 Jan. 12, 1956	a 89.5 78.81 82.33 85.90 88.47 90.67

P-3. City of Childress. Lat. 34°31', long. 100°15'. Diameter 16 to 8 inches, depth 204 feet, screen at 170-202 feet.

Oct. 25, 1946 88 Oct. 25 al46	June 8, 1949 Mar. 7, 1950	a124 a181	Sept.25, 1950 Jan, 1951	a160 a173
Sept.16, 1947 all3.37 Dec. 27, 1948 91	May 2	al74 al76	Feb. 22 Feb. 8, 1952	94.83
Dec. 27 al08	June 19 July 24	a173	Jan. 10, 1953	101.72
June 8, 1949 94	Aug. 7	a175	Jan. 11, 1954	104.78

PO-3. City of Childress. Lat. 34°31', long. 100°15'. Diameter 4 inches.

Feb. 8, 1952 97.67 Jan. 10, 1953 101.20	Jan. 11, 1954 104.15 Jan. 10, 1955 cl10.03	Jan. 12, 1956 cl16.71
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P-4. City of Childress. Lat. 34°31', long. 100°16'. Diameter 16 to 8 inches, depth 100 feet, screen at 58-100 feet.

Feb. 22, 1947	35	Mar. 3, 1950	a 56	Feb. 22, 1951	46.96
Feb. 22	a 76	May 2	a 57	Feb. 8, 1952	52.21
Sept.16	46.4	June 19	a 68	Jan. 10, 1953	55.18
Dec. 20, 1948	38	July 26	a 68	Jan. 11, 1954	58.39
Dec. 20	a 52	Aug. 7	a 60	Jan. 10, 1955	58.53
Apr. 23, 1949	43.4	Sept.25	a 60	Jan. 12, 1956	55.64
	a 53	Jan, 1951	a 58		-

P-5. City of Childress. Lat. 34°31', long. 100°16'. Diameter 18 to 8 inches, depth 133 feet, screen at 93-136 feet.

Date	Water level	Date	Water level	Date	Water level
Dec. 5, 1946 Dec. 5 Sept.16, 1947 Dec. 28, 1948 Apr. 26, 1949 Apr. 26 Mar. 4, 1950	48 a. 86 57.65 60 59.6 a. 75 a. 87	May 2, 1950 June 20 July 26 Aug. 7 Sept 26 Jan, 1951 Feb. 22	a 85 a 92 a 85 a 87 a 96 a 88 70.69	Feb. 8, 1952 Jan. 10, 1953 Jan. 11, 1954 Jan. 10, 1955 Jan. 12, 1956	83.62 89.46 93.60 90.32 86.25

P-6. City of Childress. Lat. 34°30', long. 100°16'. Diameter 16 to 8 inches, depth 111 feet, screen at 77-109 feet.

Dec. 31, 1946 Dec. 31 Mar. 21, 1947 Mar. 21 Sept.16	a 76 28.5 a 45 a 44.92	Jan. 5, 1949 Mar. 7, 1950 May 3 June 20 July 25	34 a 52 a 52 a 50 a 50	Sept.26, 1950 Jan, 1951 Feb. 22 Jan. 10, 1955 Jan. 12, 1956	a 45 40 37.45 47.30 45.59
Jan. 5, 1949	a 47	Aug. 7	a 51		

P-7. City of Childress. Lat. 34°31', long. 100°16'. Diameter 16 to 8 inches, depth 92 feet, screen at 53-92 feet.

Nov. 8, 1946 Nov. 8	30 a 65	Dec. 29, 1948 Dec. 29	a 46 41	July 25, 1950 Aug. 8	a 50 a 48
Feb. 4, 1947	31	Mar. 7, 1950	a 50	Sept.26	a 51
	39	May 3	a 50	Jan, 1951	a 52
	39.58	June 20	a 50		a 55

PO-7. City of Childress. Lat. 34°31', long. 100°16'. Diameter 4 inches.

Feb. 8, 1952 c 43.39 Jan. 10, 1953 c 44.78	Jan. 11, 1954 c 48.22 Jan. 10, 1955 c 49.87	Jan. 11, 1956 c 47.94
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P-8. City of Childress. Lat. 34°31', long. 100°16'. Diameter 16 to 8 inches, depth 113 feet, screen at 69-112 feet.

Date	Water level	Date	Water level	Date	Water level
Nov. 27, 1946	32.5	Dec. 30, 1948	44	June 21, 1950	a 54
Nov. 27	a 88	Apr. 27	44.3	July 26	a 54
Aug. 30, 1947	41	Apr. 27	a 56.5	Aug. 8	a 55
Sept.16	47.17	Mar. 7, 1950	a 56	Sept.26	a 56
Dec. 30, 1948	a 53	May 3	a 54	Jan, 1951	a 52

P-9. City of Childress. Lat 34°32', long. 100°16'. Diameter 16 to 8 inches, depth 88 feet, screen at 56-88 feet.

Jan. 16, 1947 36 Jan. 16 a 56 Aug. 30 a 42.5 Sept.16 a 40.17	Jan. 2, 1949 a 53 Apr. 28 43.2 Apr. 28 a 47 Mar. 6, 1950 a 46	June 21, 1950 a 46 July 24 a 47 Aug. 8 a 46 Sept.26 a 46
Jan. 2, 1949 43	May 3 a 46	Jan, 1951 a 47

P-10. City of Childress. Lat. 34°32', long. 100°16'. Diameter 16 to 8 inches, depth 117 feet, screen at 74-115 feet.

Mar. 12, 1947 Mar. 12 Sept.16 Dec. 31, 1948	53 a 81 a 66.4 a 80	Mar. 6, 1950 May 3 June 21 July 24	a 80 a 80 a 80 a 81	Sept.26, 1950 Jan, 1951 Jan. 10, 1953	a 81 a 82 64.58
Dec. 31	67	Aug. 8	a 81	·	

P-11. City of Childress. Lat. 34°31', long. 100°16'. Diameter 16 to 8 inches, depth 115 feet, screen at 70-110 feet.

Mar. 10, 1949 60 Mar. 10 a 69 Mar. 7, 1950 a 70 May 4 a 70 June 22 a 71	July 25, 1950 Aug. 7 Sept.25 Jan, 1951 Feb. 22	a 71 a 69 a 71 a 71 64.98	Jan. 1 Jan. 1	10, 1953 11, 1954 10, 1955 12, 1956	72.05 74.76 76.58 a 82.64
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P-12. City of Childress. Lat. 34°32', long. 100°17'. Diameter 16 to 8 inches, depth 115 feet, screen at 83-123 feet.

Date	Water level	Date	Water level	Date	Water level
May 30, 1949 May 30	33 a 77	May 4, 1950 June 22	a 40 a 60	Aug. 8, 195 Sept.26	a 61
Mar. 7, 1950	a 62	July 25	a 60	Jan, 195	1 a 62

P-13. City of Childress. Lat. 34°32', long. 100°17'. Diameter 16 to 8 inches, depth 103 feet, screen at 69-99 feet.

Mar. 30, 1949 49	May 4, 1950 a 60	Aug. 8, 1950 a 60
Mar. 30 a 80	June 23 a 60	Sept.26 a 61
Mar. 8, 1950 a 59	July 24 a 60	Jan, 1951 a 62

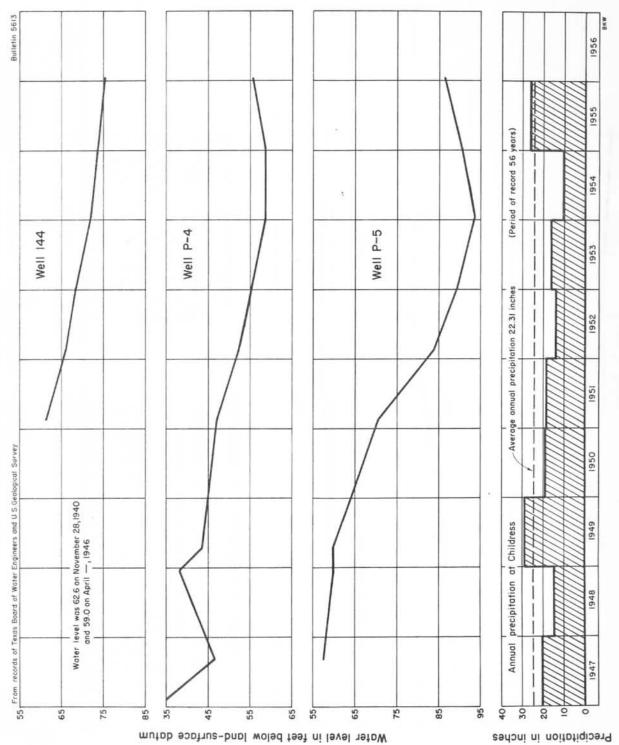
P-14. City of Childress. Lat. 34°32', long. 100°16'. Diameter 16 to 8 inches, depth 110 feet, screen at 56-86 feet.

Apr. 14, 1949 31	May 4, 1950 a 35	Aug. 8, 1950 a 35
Apr. 14 a 58	June 23 a 35	Sept.26 a 35
Mar. 8, 1950 a 34	July 26 a 34	Jan, 1951 a 36

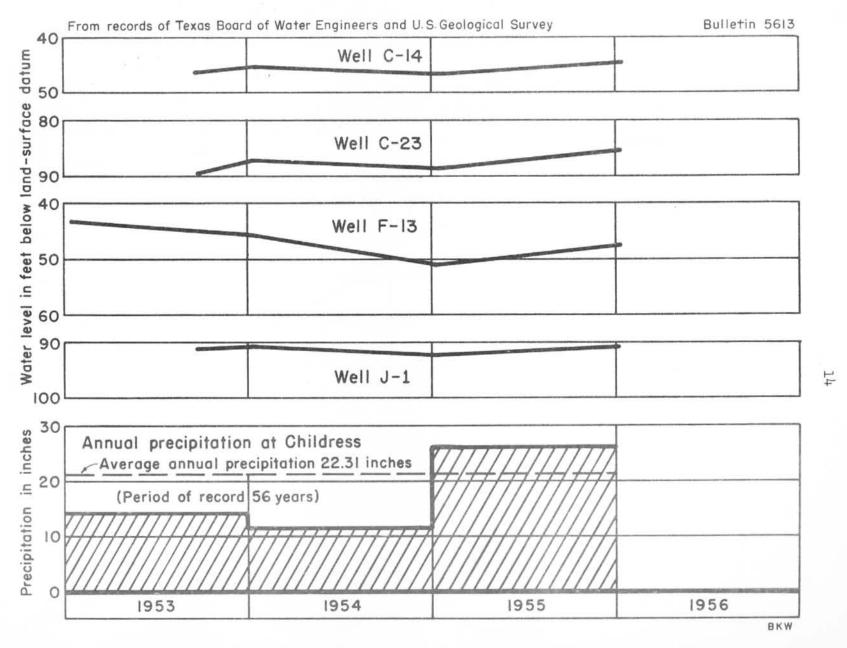
a Pumping

b Pumped recently

c Nearby well pumping

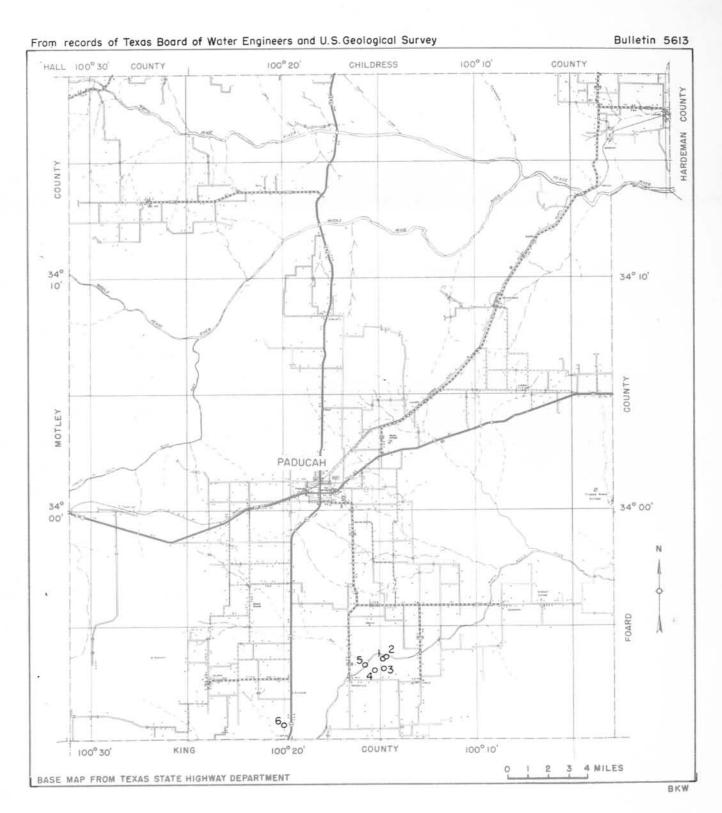


Hydrographs of water levels in wells in the Michie well field, Childress County, and annual precipitation at Childress, Texas



HYDROGRAPHS OF WATER LEVELS IN WELLS, CHILDRESS COUNTY,
AND ANNUAL PRECIPITATION AT CHILDRESS, TEXAS

COTTLE COUNTY

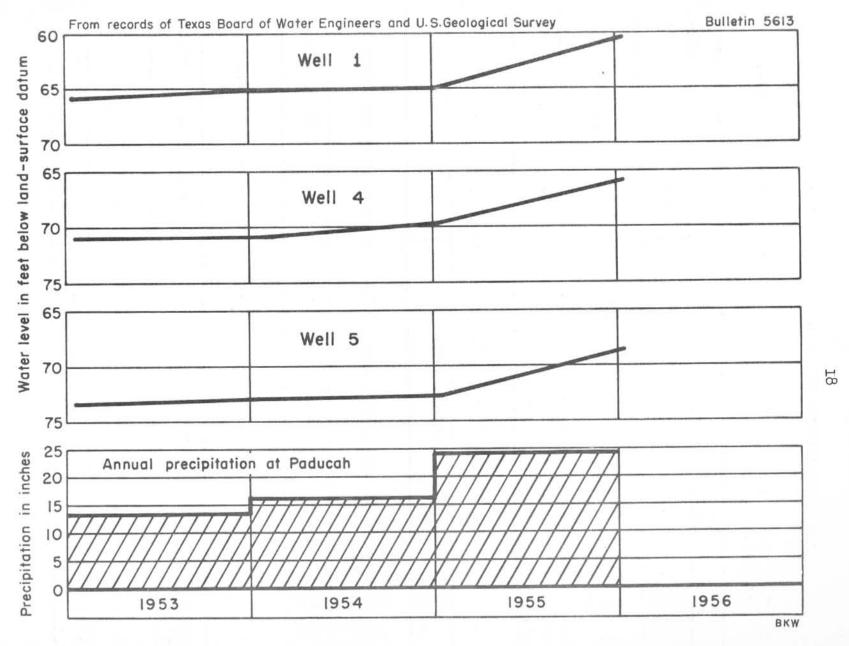


OBSERVATION WELLS IN COTTLE COUNTY, TEX.
JANUARY 1956

WATER-LEVEL MEASUREMENTS IN COTTLE COUNTY, TEXAS

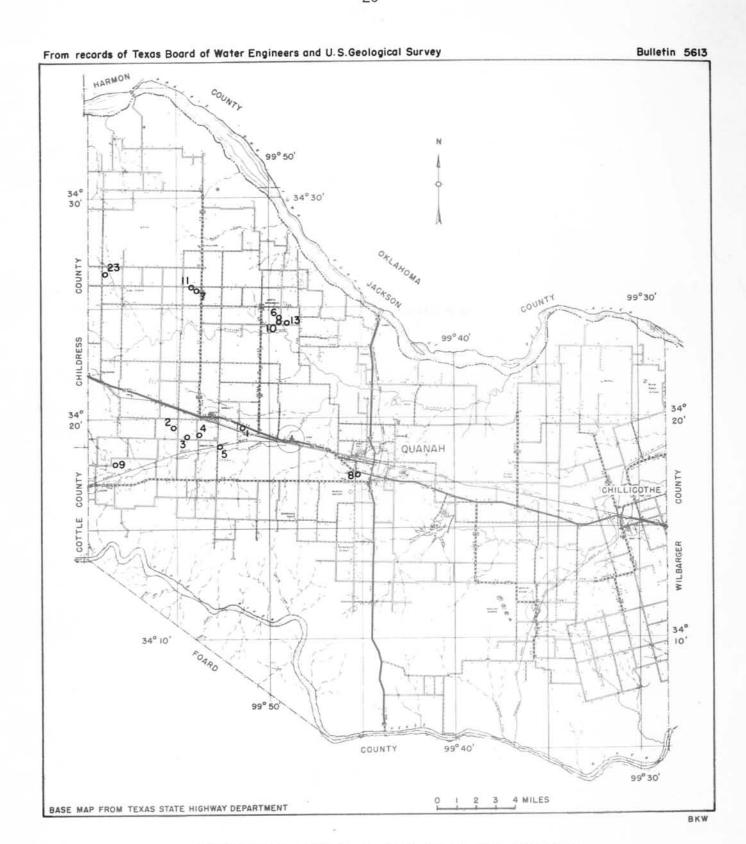
1. O. T. Owens. Lat. 33°53', long. 100°14'. Diameter 16 inches, depth 165 feet.

Date			Water level	Date		Water level	Date	Water level
		1953 1954	65.99 65.33	Jan. 12,	1955	65.01	Jan. 16, 1956	61.04
	2.	0. T. 150 fe		at. 33°53', 1	ong. 1	00°14'. Di	ameter 16 inches, de	epth
Jan. Jan.	17, 14,	1953 1954	62.85 62.15	Jan. 12,	1955	61.96	Jan. 16, 1956	57.83
	3.	Clyde	Perkins.	Lat. 33°53',	long.	100°14'.	Diameter 16 inches.	
		1953 1954	61.01 60.78	Jan. 12,	1955	60.02	Jan. 16, 1956	55.76
	4.	Buster		Lat. 33°53',	long.	100°15'.	Diameter 16 inches,	depth
		1953 1954	71.54 71.54	Jan. 12,	1955	69.61	Jan. 16, 1956	65.91
	5.	L. L. 157 fe		Lat. 33°53',	long.	100°15'.	Diameter 16 inches,	depth
		1953 1954	73.48 73.13	Jan. 12,	1955	72.70	Jan. 16, 1956	68.63
	6.	Earnes	t Goodwin	. Lat. 33°50	', lon	g. 100°20'.	Diameter 16 inches	5 •
Jan.	17.	1953	60.8	Jan. 14,	1954	40.20		7-1-276



HYDROGRAPHS OF WATER LEVELS IN WELLS, COTTLE COUNTY,
AND ANNUAL PRECIPITATION AT PADUCAH, TEXAS

HARDEMAN COUNTY



OBSERVATION WELLS IN HARDEMAN COUNTY, TEX.
JANUARY 1956

WATER-LEVEL MEASUREMENTS IN HARDEMAN COUNTY, TEXAS

1. Chas. Butts. Lat. 34°19', long. 99°51'. Diameter 10 inches, depth 100 feet.

Date			Water level	Date		Water level	Date	Wate leve
Jan. Jan.		1953 1954	60.89 60.46	Jan.	9, 1955	64.04	Jan. 9,	1956 60.5
	2.		Ratlif. L			99°55'. Dia	ameter 16 inch	es, depth
Jan.	10,	1953	87.90	Jan.	9, 1955	89.03	Jan. 9,	1956 83.3
	3.	D. J. 125 fe		at. 34°19'	, long. 9	9°54'. Dia	ameter 16 inch	es, depth
Ton	10.	1953	63.80	Jan.	9, 1955	65.23	Jan. 9,	1956 61.0
		1954	61.85					
Jan.	8,	1954 D. J.				9°53'. Dia	ameter 14 inch	es, depth 115
Jan. Jan.	8, 4.	1954 D. J.	Newman. L	sing to 11			Jan. 9,	
Jan. Jan.	10, 8,	D. J. feet,	Newman. L slotted ca 50.14 48.66	Jan.	0 feet. 9, 1955	52.15		1956 48.6

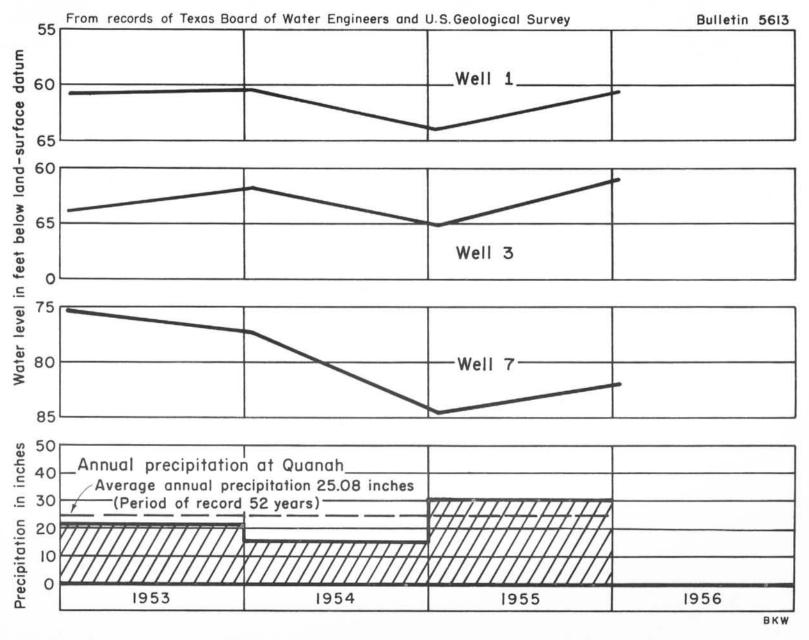
feet,	casing	slotted	below	35	feet.			

Jan. 10, 1953 37.25	Jan. 9, 1954 38.06	Jan. 10, 1956 38.90

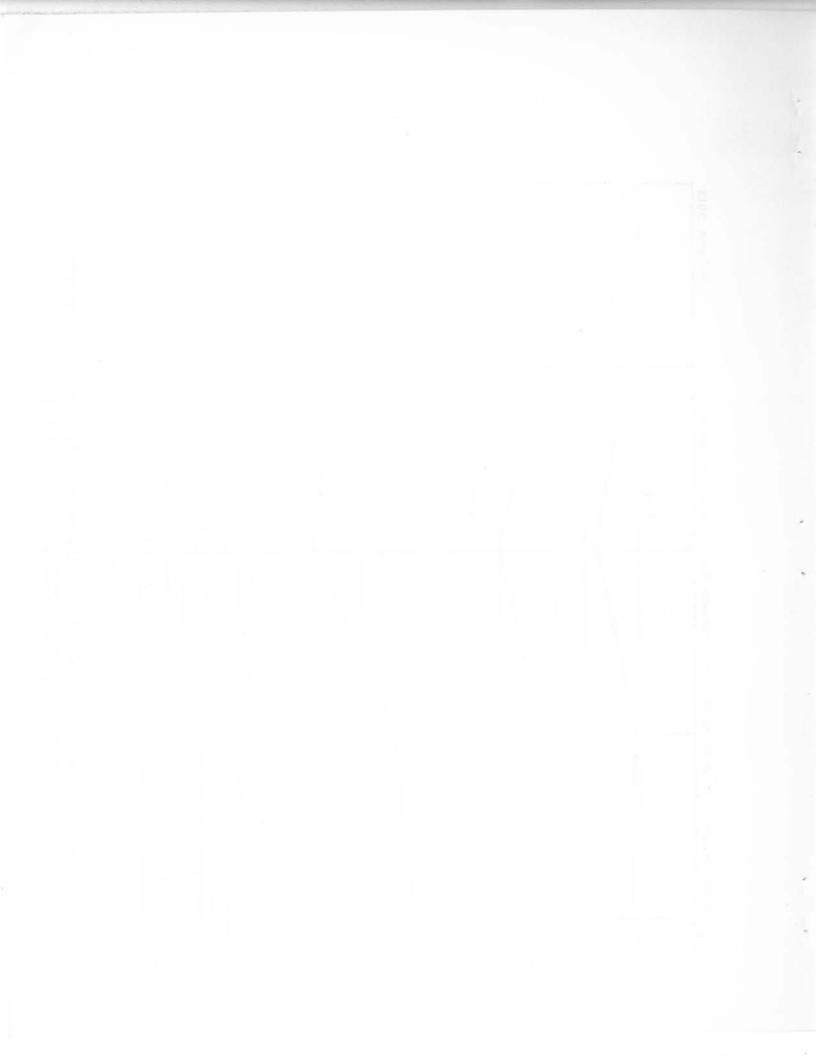
22 WATER-LEVEL MEASUREMENTS IN HARDEMAN COUNTY--CONTINUED

7. - Bailey. Lat. 34°25', long. 99°53'. Diameter 14 inches.

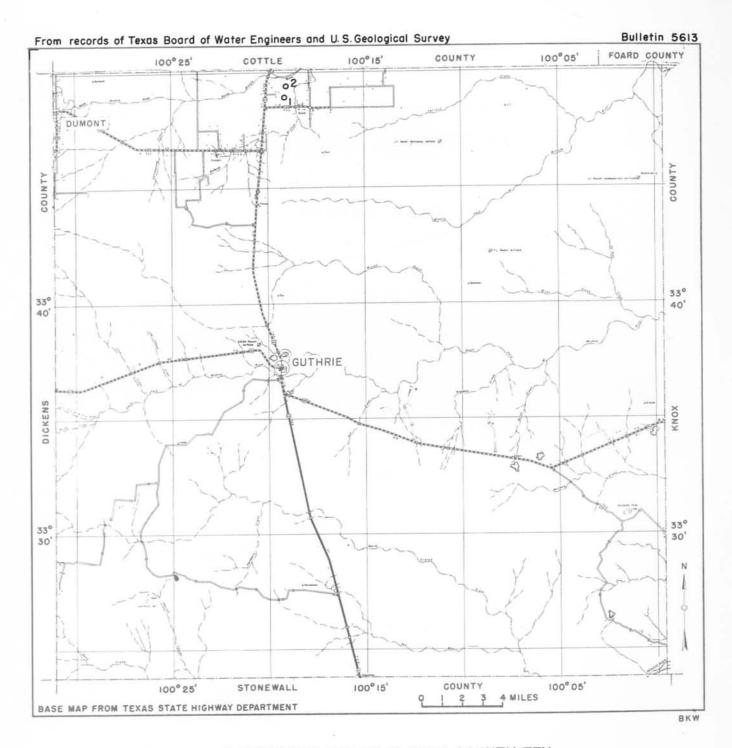
Date			Water level	Date		Water level	Date		Water level
Jan.		1953 1954	75.32 77.44		9, 1955	84.45	Jan.	10, 1956	81.98
	8.	E. B.	McBay. La	at. 34°17'	, long. 99	9°45'. Dia	ameter 14 i	nches, dep	th 105 fe
Jan.	_8,	1954	73.10	Jan.	9, 1955	74.34	Jan.	9, 1956	70.79
	9.	Robert	Nippert.	Lat. 34°	17', long	. 99°58'.			
Jan.	8,	1954	65 - 85	Jan.	9, 1955	69.32	Jan.	9, 1956	61.73
	10.	Jack feet,	Hunter. I	Lat. 34°24 Lotted bel	ow 40 feet	99°49'. D:	iameter 14	inches, de	pth 100
		1	=0 =1	T -	0. 3055	la 05	Ton	10 1056	30 Bli
Jan.	9,	1954	38.74	Jan.	9, 1955	41.05	Jan.	10, 1956	39.84
Jan.			38.74 34°25', lo	L		41.05	Jan.	10, 1956	39.84
	11.	Lat.		ong. 99°51				10, 1956	
	11.	Lat. 1954 Jack	34°25', 10	Jan.	9, 1955 5. 34°24',	85.83 long. 99°!		10, 1956	83.98
Jan.	9,	Lat. 1954 Jack	34°25', lo 78.91 Hunter wel	Jan.	9, 1955 5. 34°24',	85.83 long. 99°! feet.	Jan.	10, 1956	83.98
Jan.	11. 9, 13.	Lat. 1954 Jack 100 f	34°25', lo 78.91 Hunter well eet, casin 36.92	Jan. Lat. 34	9, 1955 34°24', 1 below 40 10, 1956 °26', long	85.83 long. 99°1 feet.	Jan. 48'. Diame	10, 1956 ter 14 inc	83.98 hes, dept



HYDROGRAPHS OF WATER LEVELS IN WELLS, HARDEMAN COUNTY, AND ANNUAL PRECIPITATION AT QUANAH, TEXAS



KING COUNTY



OBSERVATION WELLS IN KING COUNTY, TEX.
JANUARY 1956

26
WATER LEVEL MEASUREMENTS IN KING COUNTY, TEXAS

1. Mrs. Mamie Greathouse. Lat. 33°48', long. 100°18'. Diameter 16 inches, depth 230 feet.

Date	Water level	Date	Water level	Date	Water level
Jan. 14, 1954	148.55	Jan. 12, 1955	147.1	Jan. 16, 1956	143.03

2. T. E. Long. Lat. 33°49', long. 100°18'.

Jan. 14, 1954 80.92	Jan. 12, 1955 82.72	Jan. 16, 1956 78.0
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