

TEXAS BOARD OF WATER ENGINEERS

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BULLETIN 5305

RECORDS OF WATER-LEVEL MEASUREMENTS IN DEAF SMITH COUNTY, TEXAS

1914 - 1953

Compiled by

C. R. Follett, Engineer

Texas Board of Water Engineers

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

November 1953

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This bulletin contains measurements of the depths to water below land-surface datum in 63 wells in Deaf Smith County, Texas from 1914 to 1953. An early measurement made in 1914 by C. L. Baker and measurements made in 1936 by engineers of the Resettlement Administration are included in this bulletin.

In 1937-38 an inventory of water wells in Deaf Smith County, including depth-to-water measurements, was made cooperatively by the United States Geological Survey and the Texas Board of Water Engineers. Observation wells were selected and water-level measurements have been made since 1937 as a State-wide cooperative program. In 1945-46 a new inventory was made to bring the old records up-to-date.

If more than one water-level measurement was made during a month, only the highest water level is given in this report. The accompanying map shows the location of the observation wells with the well numbers assigned to them in the records. Discussions of the water-level measurements, pumping, rainfall, recharge, geology, and other factors are given in the following list of publications.

LIST OF PUBLICATIONS

- ALEXANDER, W. H. Jr., and BROADHURST, W. L., Progress report on ground water in the High Plains in Texas, 1942. *
- ALEXANDER, W. H. Jr., and OTHERS, Progress report on ground water in the High Plains in Texas, 1943. *
- ALEXANDER, W. H. Jr., and LANG, J. W., Ground water in the High Plains of Texas, Progress report no. 5, 1945.
- ALEXANDER, W. H. Jr., Records of wells in Deaf Smith County, 1946.
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- BARNES, J. R., ELLIS, W. C., LEGGAT, E. R., SCALAPINO, R. A., and GEORGE, W. O., Geology and ground water in the irrigated region of the Southern High Plains in Texas, Progress report no. 7, 1949.
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- BURLEIGH, H. P., and WELLS, H. M., Preliminary report on the underground water supply of Plainview and vicinity, Texas, 1936. *
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- HUGHES, WILLIAM F., Cost of pumping water for irrigation Texas High Plains, 1951.
- JOHNSON, W. D., The High Plains and their utilization, U. S. Geol. Survey 21st Ann. Rept., pt. 4, Hydrology, pp. 609-741, 1901; 22d Ann. Rept., pt. 4, Hydrography, pp. 637-669, 1902. *
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- _____, Water levels and artesian pressure in wells in the United States in 1938, U. S. Geol. Survey Water-Supply Paper 845, 1939.
- _____, Water levels and artesian pressure in wells in the United States in 1939, U. S. Geol. Survey Water-Supply Paper 886, 1940.
- _____, Water levels and artesian pressure in observation wells in the United States in 1940, Part 4, U. S. Geol. Survey Water-Supply 909, 1941.
- _____, Water levels and artesian pressure in observation wells in the United States in 1941, Part 4, U. S. Geol. Survey Water-Supply Paper 939, 1943.

LIST OF PUBLICATIONS

MEINZER, O. E., and WENZEL, L. K., Water levels and artesian pressure in observation wells in the United States in 1942, Part 4, U. S. Geol. Survey Water-Supply Paper 947, 1944.

_____, Water levels and artesian pressure in observation wells in the United States in 1943, Part 4, U. S. Geol. Survey Water-Supply Paper 989, 1946.

SAYRE, A. N., and OTHERS, Water levels and artesian pressure in observation wells in the United States in 1944, Part 4, U. S. Geol. Survey Water-Supply Paper 1019, 1947.

_____, Water levels and artesian pressure in observation wells in the United States in 1945, Part 4, U. S. Geol. Survey Water-Supply Paper 1026, 1948.

_____, Water levels and artesian pressure in observation wells in the United States in 1946, Part 4, U. S. Geol. Survey Water-Supply Paper 1074, 1949.

_____, Water levels and artesian pressure in observation wells in the United States in 1947, Part 4, U. S. Geol. Survey Water-Supply Paper 1099, 1950.

_____, Water levels and artesian pressure in observation wells in the United States in 1948, Part 4, U. S. Geol. Survey Water-Supply Paper 1129, 1951.

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WHITE, W. N., Ground water in the Texas High Plains, Texas State Bd. of Water Engr., Press release, Apr. 12, 1939. *

WHITE W. N., and OTHERS, Ground water in the High Plains in Texas, Texas State Bd. of Water Engr., 1938. *

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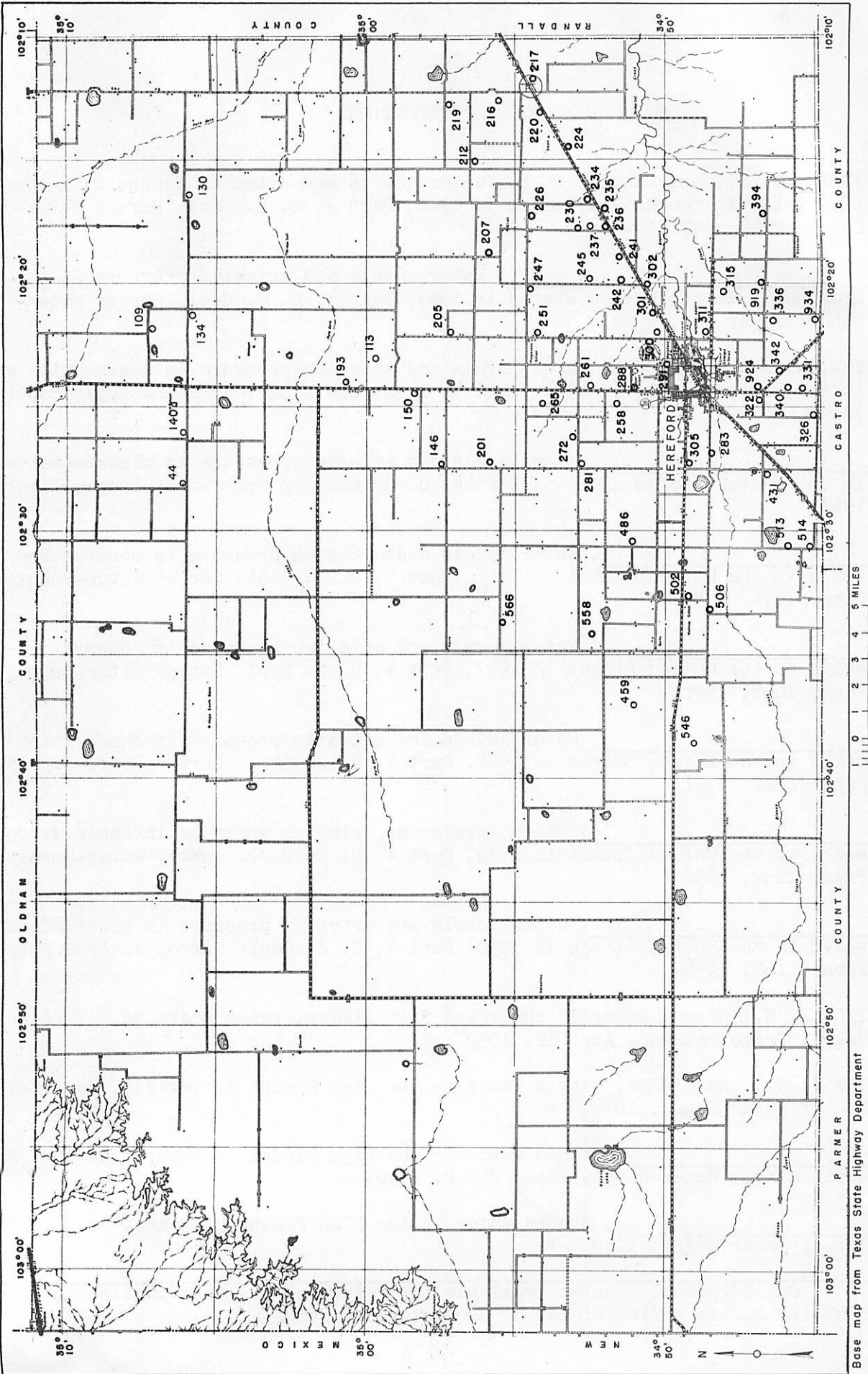
_____, Ground water in the High Plains of Texas, Texas State Bd. of Water Engr., 1940. *

* Out of print. Copies available for references in most public libraries and at the Austin office of the U. S. Geological Survey.

DEAF SMITH COUNTY, TEXAS
OBSERVATION WELLS

February 1953

Bulletin 5305
Texas Board of Water Engineers
in cooperation with
U. S. Geological Survey



Base map from Texas State Highway Department

DEAF SMITH COUNTY

44. Lat. 35°06', long. 102°28'. Depth 192 feet.

Date	Water level	Date	Water level	Date	Water level
June 14, 1938	180.90	Jan. 30, 1951	180.69	Jan. 17, 1953	182.95
Feb. 17, 1950	180.70	Jan. 24, 1952	180.77		

109. Lat. 35°07', long. 102°21'. Depth 162 feet.

June 3, 1938	151.40	Feb. 19, 1944	150.70	Feb. 22, 1946	151.00
June 23, 1943	151.02	Mar. 1, 1945	150.79	Mar. 19, 1947	150.85

113. Lat. 35°01', long. 102°19'. Depth 162 feet.

Nov. 9, 1937	98.23	Nov. 8, 1940	98.03	Jan. 20, 1947	99.49
Dec. 12	98.22	Jan. 28, 1941	98.21	Jan. 14, 1948	105.06
Mar. 12, 1938	98.14	Mar. 6	98.25	Mar. 15	103.64
May 27	98.18	Feb. 7, 1942	98.42	Mar. 9, 1949	104.47
Oct. 20	98.03	Aug. 4	98.17	Feb. 14, 1950	105.14
Dec. 14	98.02	Dec. 1	98.14	Jan. 29, 1951	107.10
Mar. 20, 1939	97.98	Feb. 10, 1943	98.24	Jan. 24, 1952	108.32
Sept. 13	97.87	Feb. 19, 1944	99.42	Jan. 17, 1953	111.07
Dec. 6	97.85	Mar. 1, 1945	100.30		
Mar. 20, 1940	97.93	Feb. 22, 1946	101.40		

130. Lat. 35°05', long. 102°16'. Depth 140 feet.

June 3, 1938	130.00	Feb. 22, 1946	129.45	Feb. 14, 1950	130.63
June 23, 1943	129.54	Mar. 19, 1947	129.67	Jan. 29, 1951	131.25
Feb. 19, 1944	129.48	Mar. 15, 1948	129.69	Jan. 24, 1952	131.47
Mar. 1, 1945	129.44	Mar. 9, 1949	129.87	Jan. 17, 1953	133.90

134. Lat. 35°05', long. 102°21'. Depth 141 feet.

Mar. 3, 1938	134.90	Jan. 29, 1951	141.37	Jan. 24, 1952	141.60
Feb. 17, 1950	141.05				

140a. Lat. 35°06', long. 102°26'.

Feb. 17, 1950	167.32	Jan. 24, 1952	170.23	Jan. 17, 1953	166.75
Jan. 30, 1951	167.41				

DEAF SMITH COUNTY

146. Lat. $34^{\circ}57'$, long. $102^{\circ}27'$. Depth 148 feet.

Date	Water level	Date	Water level	Date	Water level
Nov. 26, 1937	117.15	July 17, 1943	117.35	Mar. 1, 1945	117.51
July 5, 1938	117.56	Feb. 19, 1944	117.57	Feb. 23, 1946	117.75

150. Lat. $34^{\circ}58'$, long. $102^{\circ}24'$. Depth 100+ feet.

May 27, 1938	96.09	Mar. 20, 1940	96.24	Dec. 1, 1942	96.82
July 14	96.18	Nov. 8	97.69	Feb. 10, 1943	96.84
Oct. 20	96.30	Jan. 28, 1941	97.77	Feb. 19, 1944	97.84
Dec. 14	96.12	Mar. 6	97.73	Feb. 23, 1946	98.70
Mar. 20, 1939	95.87	July 26	97.51	Mar. 19, 1947	99.71
July 28	95.73	Dec. 23	97.12	Mar. 15, 1948	100.77
Sept. 13	95.91	Feb. 6, 1942	96.94	Mar. 9, 1949	102.70
Dec. 5	96.03	Aug. 4	96.76	Feb. 14, 1950	103.36

193. Lat. $35^{\circ}00'$, long. $102^{\circ}24'$. Depth 212 feet.

Mar. 6, 1946	114.80	Jan. 29, 1951	118.18	Jan. 17, 1953	123.68
Feb. 17, 1950	117.09	Jan. 24, 1952	119.70		

201. Lat. $34^{\circ}55'$, long. $102^{\circ}27'$. Depth 212 feet.

Dec. 11, 1937	101.55	Mar. 15, 1948	104.69	Jan. 30, 1951	106.24
Mar. 29, 1938	102.95	Mar. 10, 1949	105.10	Jan. 24, 1952	111.20
Dec. 9	102.90	Feb. 14, 1950	105.49	Jan. 17, 1953	113.11

205. Lat. $34^{\circ}57'$, long. $102^{\circ}22'$. Depth 154 feet.

Nov. 9, 1937	74.22	Dec. 1, 1942	78.36	Mar. 10, 1949	93.60
May 27, 1938	79.55	Feb. 10, 1943	77.83	Feb. 14, 1950	91.69
Sept. 15	75.92	Feb. 19, 1944	80.06	Jan. 29, 1951	93.97
Nov. 25	74.48	Mar. 1, 1945	81.90	Jan. 22, 1952	98.56
Mar. 6, 1941	79.27	Dec. 11	83.70	Jan. 16, 1953	103.70
Dec. 23	79.92	Feb. 23, 1946	86.52		
Feb. 7, 1942	78.86	Mar. 15, 1948	91.95		

DEAF SMITH COUNTY

207. Lat. $34^{\circ}55'$, long. $102^{\circ}18'$. Depth 108 feet.

Date	Water level	Date	Water level	Date	Water level
June 18, 1936	53.81	Mar. 20, 1939	54.23	Jan. 20, 1947	56.91
May 18, 1937	58.66	June 28	54.97	Mar. 19	58.18
Aug. 27	55.35	Sept. 13	56.85	Mar. 15, 1948	59.98
Nov. 12	54.34	Dec. 5	54.83	Mar. 10, 1949	61.46
Mar. 12, 1938	54.08	Mar. 19, 1940	54.67	Feb. 17, 1950	61.84
Mar. 29	54.12	Nov. 8	55.71	Jan. 26, 1951	63.61
May 27	55.10	Mar. 6, 1941	55.61	Jan. 22, 1952	65.60
Aug. 12	54.91	Feb. 19, 1944	55.46	Jan. 16, 1953	67.86
Sept. 15	55.06	Mar. 1, 1945	55.50		
Nov. 25	54.71	Feb. 22, 1946	55.75		

212. Lat. $34^{\circ}56'$, long. $102^{\circ}15'$. Depth 140 feet.

Apr. 22, 1936	70.41	June 28, 1939	74.71	Mar. 1, 1945	70.27
May 30	71.77	Dec. 6	74.60	Dec. 14	74.40
June 23	70.56	Nov. 8, 1940	80.73	Feb. 22, 1946	73.45
Nov. 25, 1937	70.26	Jan. 29, 1941	75.19	Jan. 20, 1947	75.26
Mar. 12, 1938	71.47	Mar. 6	74.56	Mar. 12, 1948	76.48
May 27	75.29	Feb. 9, 1942	71.94	Mar. 8, 1949	77.00
Sept. 15	71.32	Dec. 1	71.03	Jan. 26, 1951	84.61
Nov. 25	71.72	Feb. 9, 1943	71.10	Jan. 22, 1952	81.85
Mar. 20, 1939	70.68	Feb. 19, 1944	71.73	Jan. 16, 1953	86.92

216. Lat. $34^{\circ}55'$, long. $102^{\circ}12'$. Depth 160 feet.

Sept. 17, 1937	68.20	Mar. 6, 1941	67.88	Mar. 19, 1947	69.17
Mar. 12, 1938	66.18	Feb. 9, 1942	66.65	Mar. 8, 1949	71.79
May 27	69.72	Dec. 1	66.68	Feb. 17, 1950	70.92
Dec. 14	66.49	Feb. 9, 1943	66.53	Jan. 26, 1951	71.62
Sept. 13, 1939	68.13	Feb. 19, 1944	67.61	Jan. 24, 1952	73.93
Dec. 6	66.73	Mar. 1, 1945	67.91	Jan. 16, 1953	74.62
Nov. 8, 1940	69.62	Dec. 13	68.64		
Jan. 29, 1941	68.00	Feb. 22, 1946	68.40		

DEAF SMITH COUNTY

217. Lat. $34^{\circ}54'$, long. $102^{\circ}11'$. Depth 120 feet.

Date	Water level	Date	Water level	Date	Water level
May 1936	83.94	Nov. 25, 1938	91.30	Mar. 1, 1945	88.15
May 18, 1937	91.75	Mar. 20, 1939	87.87	Feb. 22, 1946	89.55
June 24	87.86	June 28	91.10	Jan. 20, 1947	90.62
Sept. 17	93.06	Dec. 6	92.65	Mar. 18	89.82
Dec. 4	104.35	Mar. 20, 1940	90.61	Mar. 12, 1948	91.46
Feb. 26, 1938	94.60	Jan. 14, 1941	94.21	Mar. 8, 1949	90.52
Mar. 11	92.32	Mar. 6	92.01	Feb. 16, 1950	90.10
Mar. 28	90.77	Dec. 23	88.17	Jan. 26, 1951	95.95
May 26	93.15	Feb. 9, 1942	87.91	Jan. 22, 1952	93.42
June 10	91.28	Dec. 1	87.78	Jan. 16, 1953	97.76
June 25	90.24	Feb. 9, 1943	87.32		
Sept. 14	95.80	Feb. 19, 1944	88.77		

219. Lat. $34^{\circ}57'$, long. $102^{\circ}12'$. Depth 162 feet.

Nov. 12, 1937	77.62	Nov. 8, 1940	77.88	Feb. 22, 1946	76.57
Mar. 29, 1938	73.62	Jan. 29, 1941	75.78	Mar. 12, 1948	79.32
May 27	75.53	Mar. 6	75.54	Mar. 8, 1949	81.88
Oct. 20	74.37	Dec. 23	75.23	Feb. 17, 1950	80.92
Nov. 25	74.20	Feb. 9, 1942	75.01	Jan. 26, 1951	82.04
Mar. 20, 1939	73.54	Dec. 1	75.16	Jan. 22, 1952	82.67
Sept. 13	81.52	Feb. 9, 1943	74.89	Jan. 16, 1953	86.35
Mar. 20, 1940	74.83	Feb. 19, 1944	75.74		

220. Lat. $34^{\circ}54'$, long. $102^{\circ}13'$. Depth 180 feet.

Aug. 27, 1937	83.88	Mar. 20, 1939	83.08	Jan. 20, 1947	90.32
Sept. 17	83.76	Dec. 6	85.95	Mar. 18	90.87
Jan. 18, 1938	86.94	Mar. 19, 1940	84.16	Jan. 12, 1948	91.42
Feb. 26	85.37	Jan. 14, 1941	88.97	Mar. 12	90.78
Mar. 11	84.93	Mar. 6	87.58	Mar. 8, 1949	92.10
Mar. 28	84.49	Feb. 17, 1942	84.60	Feb. 16, 1950	85.83
May 26	88.13	Dec. 1	85.77	Jan. 26, 1951	99.23
June 10	86.62	Feb. 19, 1944	88.68	Jan. 22, 1952	99.15
June 25	85.99	Mar. 1, 1945	87.76	Jan. 16, 1953	106.06
Sept. 14	85.41	Dec. 13	90.20		
Dec. 15	83.67	Feb. 22, 1946	89.30		

DEAF SMITH COUNTY

224. Lat. $34^{\circ}54'$, long. $102^{\circ}17'$. Depth 180 feet.

Date	Water level	Date	Water level	Date	Water level
Aug. 27, 1937	55.12	Sept. 13, 1939	55.08	Feb. 22, 1946	57.85
Sept. 17	54.96	Dec. 6	54.48	Mar. 12, 1948	62.40
Feb. 26, 1938	55.84	Nov. 8, 1940	54.63	Mar. 8, 1949	61.50
Mar. 11	55.39	Jan. 29, 1941	54.62	Feb. 16, 1950	59.46
Mar. 28	55.58	Mar. 6	54.66	Jan. 26, 1951	59.51
May 26	56.82	Dec. 23	54.69	Jan. 22, 1952	61.86
June 25	55.62	Feb. 9, 1942	54.56	Jan. 16, 1953	65.04
Mar. 20, 1939	55.08	Feb. 9, 1943	54.69		
June 28	57.87	Feb. 17, 1944	58.54		

226. Lat. $34^{\circ}54'$, long. $102^{\circ}17'$.

Apr. 20, 1936	53.20	June 28, 1939	50.83	Feb. 22, 1946	51.38
May 30	51.39	Mar. 19, 1940	50.63	Mar. 18, 1947	52.83
June 11	49.78	Jan. 29, 1941	53.03	Mar. 12, 1948	56.83
June 19	49.27	Mar. 6	55.02	Mar. 8, 1949	59.25
June 24	49.23	Dec. 23	52.15	Feb. 17, 1950	60.09
Mar. 12, 1938	49.31	Feb. 17, 1942	49.64	Jan. 26, 1951	63.59
Mar. 29	49.25	Dec. 1	49.02	Jan. 23, 1952	64.86
May 26	50.32	Feb. 9, 1943	48.57	Jan. 19, 1953	71.56
June 25	49.29	Feb. 19, 1944	49.80		
Oct. 20	51.25	Nov. 30, 1945	52.55		

230. Lat. $34^{\circ}53'$, long. $102^{\circ}17'$. Depth 120 feet.

June 11, 1936	40.50	Dec. 6, 1939	45.69	Nov. 30, 1945	45.32
June 23	40.44	Mar. 19, 1940	44.69	Feb. 21, 1946	44.77
Aug. 28, 1937	42.28	Nov. 7	47.69	Mar. 18, 1947	47.12
Mar. 29, 1938	42.47	Jan. 29, 1941	47.18	Mar. 12, 1948	48.64
June 25	45.99	Mar. 6	46.84	Mar. 8, 1949	49.80
Sept. 14	44.42	Feb. 17, 1942	44.43	Feb. 17, 1950	51.08
Dec. 10	43.28	Dec. 1	43.80	Jan. 26, 1951	51.39
Mar. 21, 1939	42.41	Feb. 9, 1943	43.40	Jan. 23, 1952	52.74
June 28	45.12	Feb. 18, 1944	43.86	Jan. 16, 1953	54.05
Sept. 13	46.81	Mar. 1, 1945	43.74		

DEAF SMITH COUNTY

234. Lat. $34^{\circ}52'$, long. $102^{\circ}16'$.

Date	Water level	Date	Water level	Date	Water level
June 24, 1937	49.18	June 10, 1938	50.67	Mar. 6, 1941	51.88
Aug. 27	50.18	June 25	50.63	Feb. 17, 1942	47.08
Sept. 17	50.31	Sept. 14	51.02	Feb. 9, 1943	48.95
Dec. 4	50.26	Oct. 20	49.78	Feb. 17, 1944	51.64
Jan. 18, 1938	50.16	Nov. 25	50.17	Feb. 22, 1946	52.40
Feb. 26	50.22	Dec. 10	50.28	Mar. 18, 1947	51.56
Mar. 11	50.26	Mar. 20, 1939	50.23	Mar. 10, 1949	53.28
Mar. 28	50.24	June 28	50.70	Feb. 16, 1950	51.38
Apr. 16	50.33	Sept. 13	51.18	Feb. 5, 1951	52.73
May 26	50.48	Nov. 8, 1940	52.04	Jan. 16, 1953	54.65

235. Lat. $34^{\circ}52'$, long. $102^{\circ}17'$. Depth 105 feet.

May 30, 1936	52.60	June 28, 1939	51.85	Mar. 1, 1945	51.86
June 11	51.37	Sept. 13	54.00	Feb. 21, 1946	52.20
May 18, 1937	55.25	Dec. 6	51.96	Jan. 20, 1947	52.87
Nov. 11	50.91	Mar. 19, 1940	51.74	Mar. 18	52.61
Jan. 18, 1938	50.70	Nov. 7	53.88	Mar. 12, 1948	53.85
Mar. 11	50.68	Jan. 29, 1941	53.15	Mar. 8, 1949	54.54
Mar. 28	50.62	Dec. 23	48.61	Feb. 17, 1950	53.81
May 26	51.76	Feb. 9, 1942	49.30	Jan. 26, 1951	55.71
June 25	54.16	Dec. 1	50.11	Jan. 22, 1952	55.88
Nov. 25	51.38	Feb. 9, 1943	50.08	Jan. 16, 1953	58.35
Mar. 21, 1939	51.12	Feb. 17, 1944	51.59		

236. Lat. $34^{\circ}51'$, long. $102^{\circ}17'$.

June 24, 1937	46.40	Mar. 21, 1939	47.28	Feb. 18, 1944	48.14
Aug. 18	46.77	June 28	47.52	Mar. 1, 1945	49.37
Sept. 17	46.88	Sept. 13	47.85	Feb. 21, 1946	50.00
Dec. 4	46.76	Dec. 5	47.83	Mar. 18, 1947	50.98
Jan. 18, 1938	46.74	Mar. 19, 1940	47.84	Mar. 12, 1948	52.65
Feb. 26	46.85	July 24	48.38	Mar. 10, 1949	54.67
Mar. 11	46.89	Nov. 7	49.07	Feb. 17, 1950	54.91
Mar. 29	46.91	Jan. 14, 1941	48.96	Feb. 5, 1951	55.87
May 26	47.08	Mar. 6	48.71	Jan. 22, 1952	56.75
June 25	47.14	Dec. 23	46.75	Jan. 16, 1953	58.35
Sept. 14	47.39	Feb. 17, 1942	47.01		
Dec. 10	47.31	Feb. 9, 1943	46.85		

DEAF SMITH COUNTY

237. Lat. $34^{\circ}52'$, long. $102^{\circ}17'$. Depth 150 feet.

Date	Water level	Date	Water level	Date	Water level
Nov. 15, 1934	40.72	Mar. 21, 1939	42.10	Mar. 1, 1945	43.19
May 10, 1936	40.46	June 28	43.71	Nov. 30	44.84
June 11	40.20	Mar. 19, 1940	43.16	Feb. 21, 1946	44.45
Mar. 14, 1937	42.04	Nov. 7	46.91	Jan. 20, 1947	46.24
Nov. 27	43.39	Jan. 29, 1941	44.80	Mar. 18	46.10
Feb. 26, 1938	43.28	Mar. 6	44.77	Mar. 12, 1948	47.79
Mar. 11	42.22	Dec. 23	43.83	Mar. 8, 1949	49.00
Mar. 29	42.16	Feb. 17, 1942	43.59	Feb. 17, 1950	51.49
May 26	42.32	Dec. 1	43.32	Jan. 26, 1951	51.11
June 25	43.61	Feb. 9, 1943	42.80	Jan. 23, 1952	52.68
Nov. 25	42.67	Feb. 18, 1944	43.03	Jan. 16, 1953	56.76

241. Lat. $34^{\circ}51'$, long. $102^{\circ}18'$. Depth $100\pm$ feet.

Nov. 10, 1937	47.25	Sept. 13, 1939	47.50	Nov. 30, 1945	49.78
Dec. 4	47.14	Dec. 6	47.51	Feb. 21, 1946	49.67
Jan. 18, 1938	47.15	Mar. 19, 1940	47.52	Mar. 18, 1947	51.47
Feb. 26	47.29	Nov. 7	48.46	Mar. 12, 1948	52.82
Mar. 11	47.25	Jan. 29, 1941	48.15	Mar. 10, 1949	54.54
Mar. 28	47.08	Mar. 6	48.19	Feb. 17, 1950	55.24
May 26	47.19	Feb. 17, 1942	47.85	Jan. 26, 1951	55.94
June 25	47.36	Dec. 1	47.81	Jan. 23, 1952	57.17
Oct. 20	47.22	Feb. 9, 1943	47.77	Jan. 16, 1953	59.00
Dec. 10	47.17	Feb. 18, 1944	48.26		
Mar. 21, 1939	47.20	Mar. 1, 1945	48.51		

242. Lat. $34^{\circ}51'$, long. $102^{\circ}19'$. Depth 130 feet.

Nov. 1, 1937	46.56	June 28, 1939	46.58	Feb. 9, 1943	47.93
Dec. 4	46.49	Sept. 13	46.60	Feb. 18, 1944	49.06
Feb. 26, 1938	46.39	Dec. 5	46.55	Mar. 1, 1945	49.26
Mar. 11	46.39	Mar. 19, 1940	46.75	Nov. 29	50.37
Mar. 28	46.46	Jan. 29, 1941	48.13	Feb. 23, 1946	50.35
May 26	46.51	Mar. 6	48.18	Mar. 18, 1947	51.07
June 10	46.52	July 26	48.20	Mar. 12, 1948	52.34
June 25	46.55	Feb. 17, 1942	49.76		

DEAF SMITH COUNTY

245. Lat. $34^{\circ}52'$, long. $102^{\circ}19'$. Depth 100 feet.

Date	Water level	Date	Water level	Date	Water level
Nov. 15, 1934	43.25	Sept. 14, 1938	43.92	Feb. 9, 1943	45.04
May 8, 1936	42.67	Oct. 20	43.80	Feb. 18, 1944	46.32
Dec. 17	43.88	Nov. 25	43.88	Mar. 1, 1945	46.62
May 18, 1937	43.69	Mar. 21, 1939	43.58	Nov. 29	52.22
June 24	43.75	June 28	43.91	Feb. 23, 1946	49.68
Aug. 28	43.77	Dec. 5	44.04	Jan. 20, 1947	51.94
Nov. 8	43.94	Mar. 19, 1940	44.26	Mar. 18	51.65
Dec. 11	44.08	Oct. 29	44.23	Jan. 15, 1948	54.71
Feb. 26, 1938	43.99	Nov. 7	55.89	Mar. 12	53.51
Mar. 11	44.17	Jan. 29, 1941	46.28	Mar. 10, 1949	54.46
Mar. 28	43.97	Mar. 6	47.00	Feb. 15, 1950	55.01
Apr. 16	43.93	July 26	46.25	Jan. 26, 1951	54.37
May 26	44.06	Dec. 23	46.60	Jan. 23, 1952	57.45
June 10	43.98	Feb. 17, 1942	45.60	Jan. 16, 1953	60.70
June 25	44.03	July 3	45.42		
Aug. 12	43.82	Nov. 24	45.27		

247. Lat. $34^{\circ}54'$, long. $102^{\circ}20'$. Depth 38 feet.

Aug. 27, 1937	20.43	June 28, 1939	22.92	Mar. 1, 1945	24.54
Sept. 15	20.79	Dec. 5	23.25	Feb. 22, 1946	25.10
Nov. 10	21.41	Mar. 19, 1940	23.36	Jan. 20, 1947	25.40
Mar. 12, 1938	21.86	Jan. 29, 1941	24.09	Mar. 19	25.61
Mar. 29	21.91	Mar. 6	24.12	Mar. 15, 1948	27.32
May 27	21.56	Dec. 23	19.25	Mar. 10, 1949	29.08
July 14	21.86	Feb. 7, 1942	19.82	Feb. 15, 1950	28.36
Sept. 15	22.28	July 3	21.32	Jan. 22, 1952	30.39
Oct. 20	21.53	Nov. 24	22.20	Jan. 16, 1953	32.65
Dec. 14	21.83	Feb. 9, 1943	22.50		
Mar. 20, 1939	22.17	Feb. 19, 1944	23.72		

251. Lat. $34^{\circ}54'$, long. $102^{\circ}22'$.

May 29, 1936	50.04	Oct. 20, 1938	49.24	Dec. 23, 1941	51.09
June 1	51.25	Dec. 9	48.63	Feb. 7, 1942	50.35
June 18	51.24	Mar. 20, 1939	48.31	Dec. 1	51.00
May 18, 1937	53.20	June 28	49.11	Feb. 10, 1943	51.28
June 24	50.50	Sept. 13	59.58	Feb. 19, 1944	53.96
Aug. 27	61.85	Dec. 5	58.60	Mar. 1, 1945	53.50
Mar. 12, 1938	48.33	Mar. 19, 1940	49.86	Feb. 23, 1946	58.83
Mar. 29	60.10	Nov. 8	53.19	Mar. 19, 1947	60.32
Apr. 16	48.91	Jan. 29, 1941	51.93	Mar. 15, 1948	63.36
May 27	50.98	Mar. 6	51.86		

DEAF SMITH COUNTY

258. Lat. 34°51', long. 102°24'. Depth 125 feet.

Date	Water level	Date	Water level	Date	Water level
Apr. 24, 1936	53.99	June 27, 1939	53.01	Mar. 1, 1945	57.79
May 17	56.78	Sept. 13	58.09	Nov. 28	61.99
June 25	54.29	Dec. 5	53.90	Feb. 23, 1946	59.69
Oct. 29, 1937	58.62	Mar. 19, 1940	54.18	Mar. 19, 1947	62.44
Dec. 11	54.46	Nov. 8	56.47	Mar. 15, 1948	65.45
Mar. 11, 1938	52.83	Jan. 28, 1941	56.33	Mar. 9, 1949	67.26
Mar. 29	52.77	Mar. 6	56.29	Feb. 15, 1950	67.01
May 27	55.24	Feb. 7, 1942	54.80	Jan. 30, 1951	67.44
June 25	56.31	Dec. 1	55.75	Jan. 22, 1952	70.46
Dec. 14	52.82	Feb. 10, 1943	55.58	Jan. 17, 1953	74.48
Mar. 21, 1939	52.27	Feb. 18, 1944	57.78		

261. Lat. 34°52', long. 102°24'. Depth 179 feet.

1914	46.50	Dec. 15, 1938	52.43	Mar. 15, 1948	63.29
May 29, 1936	53.08	Mar. 21, 1939	50.52	Mar. 9, 1949	65.12
May 17, 1937	54.25	June 27	53.28	Feb. 15, 1950	64.23
Aug. 28	55.55	Dec. 5	52.64	Jan. 29, 1951	70.78
Oct. 29	51.58	Mar. 19, 1940	52.25	Jan. 22, 1952	68.31
Dec. 11	51.02	Nov. 8	55.27	Apr. 15	*68.17
Feb. 26, 1938	53.62	Jan. 28, 1941	54.95	May 25	*70.10
Mar. 12	52.21	July 26	55.10	June 15	*71.09
Mar. 29	51.56	Feb. 7, 1942	53.99	July 3	*72.05
Apr. 16	51.25	Dec. 1	54.47	Aug. 15	*73.40
May 27	72.50	Feb. 10, 1943	54.19	Oct. 14	*73.41
June 25	52.91	Feb. 18, 1944	57.26	Nov. 11	*72.95
Aug. 12	57.90	Mar. 1, 1945	56.50	Dec. 31	*72.09
Sept. 15	52.93	Feb. 23, 1946	57.90	Jan. 19, 1953	71.42
Oct. 21	54.00	Jan. 17, 1947	61.90		
Nov. 25	53.11	Mar. 19	61.30		

* Monthly highest water level from recorder graph

265. Lat. 34°54', long. 102°24'. Depth 230 feet.

May 17, 1937	65.27	Mar. 19, 1940	64.36	Jan. 17, 1947	71.80
June 25	64.10	Nov. 8	75.28	Mar. 19	71.59
Sept. 15	61.49	Jan. 28, 1941	66.95	Mar. 15, 1948	73.85
Nov. 24	63.81	Mar. 6	66.62	Mar. 9, 1949	75.00
Mar. 12, 1938	63.14	Feb. 6, 1942	65.89	Feb. 14, 1950	80.43
Mar. 29	63.08	Dec. 1	65.84	Jan. 30, 1951	77.47
Nov. 25	64.16	Feb. 10, 1943	65.90	Jan. 22, 1952	80.88
Mar. 21, 1939	63.28	Feb. 18, 1944	66.71	Jan. 17, 1953	Dry
June 27	63.91	Mar. 1, 1945	67.49		
Dec. 5	65.88	Feb. 23, 1946	69.49		

DEAF SMITH COUNTY

272. Lat. $34^{\circ}53'$, long. $102^{\circ}26'$. Depth 120 feet.

Date	Water level	Date	Water level	Date	Water level
June 29, 1936	65.68	Aug. 12, 1938	67.52	Feb. 5, 1942	74.31
July 17	65.56	Sept. 15	68.41	Dec. 1	72.59
May 17, 1937	66.07	Oct. 21	68.34	Feb. 18, 1944	73.99
June 25	66.19	Nov. 25	68.17	Mar. 1, 1945	72.92
Aug. 27	66.29	Dec. 14	67.97	Feb. 23, 1946	74.75
Oct. 30	66.53	Mar. 21, 1939	67.21	Mar. 19, 1947	76.75
Dec. 11	66.62	June 28	68.55	Mar. 15, 1948	77.70
Feb. 26, 1938	66.99	Sept. 13	71.85	Mar. 9, 1949	79.94
Mar. 12	67.02	Dec. 6	69.05	Feb. 14, 1950	81.29
Mar. 29	67.09	Mar. 20, 1940	69.24	Jan. 22, 1952	89.79
Apr. 16	67.20	Nov. 8	82.29	Jan. 17, 1953	91.33
May 27	67.34	Jan. 29, 1941	74.31		
June 25	67.45	Mar. 6	73.73		

281. Lat. $34^{\circ}52'$, long. $102^{\circ}27'$. Depth 120 feet.

Oct. 30, 1937	63.75	Mar. 20, 1940	66.44	Jan. 17, 1947	74.57
Mar. 29, 1938	64.71	Jan. 29, 1941	72.90	Mar. 19	73.69
May 26	68.86	Mar. 6	69.18	Mar. 9, 1949	75.91
June 25	65.83	Dec. 23	67.63	Feb. 14, 1950	80.50
Oct. 21	64.71	Feb. 18, 1944	68.04	Jan. 30, 1951	77.98
Mar. 21, 1939	64.48	Mar. 1, 1945	69.47	Jan. 22, 1952	81.56
June 27	65.97	Nov. 9	74.80	Jan. 17, 1953	83.70
Sept. 13	70.81	Feb. 23, 1946	72.99		

283. Lat. $34^{\circ}48'$, long. $102^{\circ}26'$. Depth 166 feet.

May 13, 1936	60.20	Dec. 16, 1938	63.00	Feb. 26, 1946	65.60
May 29	60.21	Mar. 30, 1939	62.08	Jan. 17, 1947	66.90
Aug. 26, 1937	63.12	Mar. 20, 1940	63.35	Mar. 19	66.49
Nov. 24	63.79	Nov. 8	69.44	Jan. 13, 1948	68.04
Mar. 29, 1938	63.34	Jan. 29, 1941	65.80	Mar. 9	67.48
May 26	64.86	Mar. 6	65.45	Mar. 9, 1949	67.83
June 10	64.89	Feb. 5, 1942	63.76	Feb. 15, 1950	68.23
June 25	64.06	Feb. 10, 1943	63.60	Jan. 25, 1951	68.62
Oct. 21	64.33	Feb. 18, 1944	65.56	Jan. 23, 1952	69.96
Nov. 26	63.41	Mar. 1, 1945	64.85	Jan. 17, 1953	73.30

DEAF SMITH COUNTY

288. Lat. 34°51', long. 102°24'. Depth 160 feet.

Date	Water level	Date	Water level	Date	Water level
Apr. 18, 1936	58.00	Feb. 18, 1944	67.10	July 19, 1948	82.60
May 17, 1937	68.32	Mar. 1, 1945	66.84	Aug. 5	82.78
June 25	64.94	Feb. 23, 1946	70.55	Sept. 30	84.67
Oct. 29	65.76	Aug. 2	87.20	Nov. 2	84.26
Dec. 11	62.68	Oct. 9	82.12	Dec. 6	80.85
Feb. 26, 1938	62.07	Nov. 6	81.12	Jan. 6, 1949	80.36
Mar. 29	61.09	Dec. 4	76.64	Feb. 2	79.18
Apr. 16	60.79	Jan. 6, 1947	75.30	Mar. 15	77.68
May 27	65.94	Feb. 5	74.34	Apr. 20	78.39
June 25	69.22	Mar. 19	72.58	May 2	77.95
Aug. 12	74.68	Apr. 9	73.00	June 10	77.15
Oct. 21	70.10	May 9	74.10	July 11	78.45
Dec. 9	62.08	June 7	76.06	Aug. 5	79.95
Mar. 21, 1939	59.92	July 24	79.56	Sept. 8	81.90
June 27	66.20	Aug. 5	81.70	Oct. 14	80.55
Mar. 19, 1940	63.00	Sept. 25	83.80	Nov. 7	80.40
Nov. 8	70.63	Oct. 22	81.49	Dec. 5	78.35
Jan. 28, 1941	67.05	Dec. 18	78.20	Feb. 14, 1950	76.15
Mar. 5	66.06	Feb. 4, 1948	76.45	Jan. 30, 1951	77.91
Feb. 7, 1942	63.98	Mar. 12	74.30	Jan. 22, 1952	81.90
Nov. 24	66.50	Mar. 31	74.35	Jan. 16, 1953	85.96
Feb. 10, 1943	63.94	May 26	78.68		

291. Lat. 34°50', long. 102°23'. Depth 117 feet.

May 29, 1936	54.64	Mar. 21, 1939	54.69	Feb. 17, 1944	60.62
May 18, 1937	55.95	June 27	55.42	Mar. 1, 1945	59.31
Aug. 28	57.56	Sept. 13	56.10	Feb. 23, 1946	62.12
Oct. 28	54.72	Dec. 5	55.60	Mar. 18, 1947	64.76
Mar. 12, 1938	54.29	Mar. 20, 1940	55.27	Mar. 15, 1948	67.36
Mar. 29	54.33	Nov. 7	58.83	Mar. 10, 1949	69.43
May 27	56.05	Jan. 28, 1941	57.59	Feb. 15, 1950	68.95
June 25	56.33	Mar. 5	57.53	Jan. 30, 1951	69.88
Sept. 15	55.19	Feb. 7, 1942	56.56	Jan. 22, 1952	73.60
Oct. 21	55.17	Dec. 1	57.27	Jan. 16, 1953	79.10
Dec. 14	54.86	Feb. 9, 1943	56.70		

DEAF SMITH COUNTY

300. Lat. $34^{\circ}50'$, long. $102^{\circ}22'$. Depth 50 feet.

Date	Water level	Date	Water level	Date	Water level
June 24, 1937	46.54	Sept. 14, 1938	47.41	Feb. 9, 1942	48.52
Aug. 18	46.75	Oct. 20	47.62	Dec. 1	48.82
Sept. 17	46.82	Nov. 25	47.71	Feb. 9, 1943	48.50
Dec. 4	46.96	Dec. 10	47.77	Feb. 18, 1944	49.92
Jan. 18, 1938	47.35	Mar. 20, 1939	47.37	Mar. 1, 1945	50.51
Feb. 26	47.14	June 28	47.26	Feb. 23, 1946	51.85
Mar. 28	47.06	Sept. 13	47.95	Mar. 18, 1947	53.60
Apr. 16	46.98	Dec. 5	48.21	Mar. 12, 1948	54.78
May 26	47.21	Mar. 19, 1940	48.12	Feb. 15, 1950	56.50
June 10	47.30	Jan. 29, 1941	49.88		
June 25	47.34	Mar. 5	49.84		

301. Lat. $34^{\circ}50'$, long. $102^{\circ}21'$. Depth 56 feet.

June 24, 1937	45.07	Sept. 14, 1938	46.55	Mar. 6, 1941	48.00
Aug. 18	45.68	Oct. 20	45.73	July 26	47.75
Sept. 17	46.43	Nov. 25	45.78	Feb. 9, 1943	47.13
Dec. 4	45.53	Dec. 10	45.81	Mar. 1, 1945	48.77
Jan. 18, 1938	45.45	Mar. 20, 1939	45.78	Feb. 23, 1946	50.30
Feb. 26	45.92	Dec. 5	46.87	Mar. 18, 1947	49.25
Mar. 28	45.73	Mar. 19, 1940	46.58	Mar. 12, 1948	49.71
Apr. 16	45.67	Nov. 7	48.43	Mar. 10, 1949	51.40
May 26	45.75	Jan. 14, 1941	48.09	Feb. 15, 1950	51.65
June 10	45.94	Jan. 29	48.05	Jan. 26, 1951	52.50

302. Lat. $34^{\circ}50'$, long. $102^{\circ}20'$. Depth 120 feet.

May 30, 1936	49.34	Nov. 29, 1945	52.28	July 19, 1948	58.29
Sept. 17, 1937	50.48	Feb. 21, 1946	52.48	Aug. 5	58.86
Nov. 1	49.83	June 21	50.84	Sept. 30	57.03
Feb. 26, 1938	49.38	July 2	54.31	Nov. 2	55.27
Mar. 28	49.27	Aug. 2	61.16	Dec. 5	54.69
May 26	49.30	Sept. 5	69.83	Jan. 6, 1949	54.73
June 25	49.22	Oct. 2	55.13	Feb. 2	54.50
Sept. 14	49.20	Dec. 6	53.13	Mar. 10	54.37
Nov. 25	49.20	Jan. 20, 1947	52.64	Apr. 20	56.23
Mar. 21, 1939	49.12	Feb. 5	52.63	June 10	55.59
June 28	50.86	Mar. 18	52.50	July 11	56.13
Dec. 5	50.81	May 7	53.29	Aug. 5	56.56
Mar. 19, 1940	50.19	June 9	52.71	Sept. 8	63.48
Nov. 7	51.67	July 24	52.67	Oct. 14	55.93
Jan. 14, 1941	51.10	Aug. 5	75.90	Nov. 7	56.05
Mar. 6	51.12	Sept. 25	57.57	Dec. 7	55.87
Dec. 23	49.97	Oct. 23	64.07	Feb. 7, 1950	54.53
Feb. 9, 1942	49.49	Dec. 18	54.23	Jan. 26, 1951	54.94
Dec. 1	49.96	Feb. 4, 1948	53.82	Jan. 22, 1952	56.37
Feb. 17, 1944	50.97	Mar. 31	53.33	Jan. 16, 1953	58.20
Mar. 1, 1945	51.58	May 26	55.53		

DEAF SMITH COUNTY

305. Lat. $34^{\circ}49'$, long. $102^{\circ}27'$. Depth 180 feet.

Date	Water level	Date	Water level	Date	Water level
Aug. 27, 1937	79.42	July 24, 1947	99.85	Apr. 20, 1949	92.23
Nov. 5, 1945	87.45	Aug. 5	95.55	May 2	91.96
Feb. 26, 1946	88.04	Sept. 25	92.25	June 10	92.89
June 13	90.06	Oct. 22	93.48	July 11	95.10
July 2	88.28	Dec. 18	90.20	Aug. 5	94.95
Aug. 5	88.45	Feb. 4, 1948	88.97	Sept. 8	96.85
Sept. 6	87.86	Mar. 31	87.85	Oct. 14	95.26
Oct. 9	87.29	May 26	94.65	Nov. 7	94.30
Nov. 6	86.50	July 19	96.15	Dec. 5	93.45
Dec. 4	86.01	Aug. 5	96.47	Feb. 7, 1950	91.60
Jan. 6, 1947	85.53	Sept. 30	99.93	Feb. 15	92.63
Feb. 5	85.25	Nov. 2	94.85	Jan. 25, 1951	94.70
Mar. 5	85.10	Dec. 5	92.90	Jan. 23, 1952	98.74
Apr. 9	90.14	Jan. 6, 1949	91.33	Jan. 17, 1953	102.11
May 7	88.34	Feb. 2	91.78		
June 9	99.00	Mar. 15	90.90		

311. Lat. $34^{\circ}48'$, long. $102^{\circ}21'$. Depth 100 feet.

Nov. 15, 1934	53.75	Dec. 15, 1938	50.72	Mar. 1, 1945	49.79
May 29	52.59	Mar. 21, 1939	49.46	Feb. 28, 1946	50.30
June 10	51.04	Sept. 12	58.43	Jan. 20, 1947	50.37
Mar. 14, 1937	47.89	Dec. 15	51.38	Mar. 18	49.95
Mar. 29	49.89	Mar. 19, 1940	50.70	Mar. 12, 1948	52.18
Apr. 16	57.30	Jan. 28, 1941	52.42	Mar. 10, 1949	53.98
May 27	53.14	Mar. 5	51.93	Feb. 15, 1950	53.96
June 27	56.73	July 26	52.97	Jan. 26, 1951	54.64
Aug. 12	66.50	Feb. 6, 1942	48.63	Jan. 22, 1952	57.05
Oct. 21, 1938	52.62	Feb. 9, 1943	48.12	Jan. 16, 1953	60.04
Nov. 26	51.50	Feb. 17, 1944	49.41		

315. Lat. $34^{\circ}47'$, long. $102^{\circ}20'$. Depth 130 feet.

May 15, 1936	59.77	Dec. 5, 1939	55.19	Jan. 20, 1947	56.52
June 10	54.41	Mar. 19, 1940	54.92	Mar. 18	56.45
May 20, 1937	55.05	Nov. 7	59.18	Jan. 12, 1948	58.86
June 25	54.35	Jan. 28, 1941	57.81	Mar. 12	58.38
Nov. 2	55.41	Mar. 5	57.38	Mar. 10, 1949	60.20
Mar. 29, 1938	54.78	July 26	55.31	Feb. 15, 1950	60.38
June 27	55.46	Feb. 6, 1942	55.34	Jan. 26, 1951	64.36
Nov. 26	55.19	Feb. 9, 1943	54.90	Jan. 22, 1952	68.50
Dec. 15	54.96	Feb. 17, 1944	56.53	Jan. 16, 1953	74.19
Mar. 21, 1939	54.51	Mar. 1, 1945	56.63		
June 29	55.60	Feb. 28, 1946	56.40		

DEAF SMITH COUNTY

322. Lat. 34°46', long. 102°24'. Depth 140 feet.

Date	Water level	Date	Water level	Date	Water level
May 28, 1936	69.17	Oct. 21, 1938	71.32	Nov. 24, 1942	73.32
June 19	70.21	Nov. 25	71.47	Feb. 8, 1943	73.23
May 17, 1937	70.26	Dec. 15	71.44	Feb. 17, 1944	73.80
June 23	70.37	Mar. 21, 1939	71.62	Mar. 1, 1945	75.95
Aug. 26	70.74	June 29	73.60	Oct. 27	82.65
Sept. 18	70.63	Sept. 12	72.86	Feb. 26, 1946	79.35
Oct. 27	70.68	Dec. 5	72.19	Jan. 20, 1947	80.25
Dec. 11	70.85	Mar. 19, 1940	72.26	Mar. 8	79.71
Mar. 11, 1938	71.43	Oct. 29	74.84	Jan. 12, 1948	81.92
Mar. 28	70.98	Nov. 7	74.56	Mar. 12	81.65
Apr. 16	71.07	Jan. 14, 1941	73.83	Mar. 10, 1949	84.10
May 26	71.12	Mar. 5	73.83	Feb. 15, 1950	84.35
June 10	71.15	July 26	73.88	Jan. 26, 1951	86.18
Aug. 12	71.21	Dec. 22	74.00	Jan. 22, 1952	89.74
Sept. 15	71.29	Jan. 3, 1942	73.36	Jan. 16, 1953	93.17

326. Lat. 34°45', long. 102°25'. Depth 100+ feet.

Oct. 27, 1937	87.07	Dec. 15, 1938	88.08	Oct. 13, 1945	97.86
Dec. 11	87.22	Mar. 12, 1939	88.07	Feb. 28, 1946	97.10
Mar. 12, 1938	87.62	June 12	88.36	Mar. 8, 1947	99.22
May 27	87.77	Sept. 12	88.52	Mar. 9, 1948	99.95
June 25	87.79	Dec. 5	88.82	Mar. 10, 1949	102.48
Aug. 12	87.97	Mar. 19, 1940	89.26	Jan. 26, 1951	105.93
Sept. 15	88.08	Nov. 7	93.03	Jan. 23, 1952	108.70
Oct. 21	88.11	Jan. 28, 1941	91.72	Jan. 16, 1953	111.50
Nov. 25	88.22	Feb. 28, 1945	95.47		

331. Lat. 34°45', long. 102°24'. Depth 136 feet.

Aug. 26, 1937	74.95	Mar. 21, 1939	75.47	Feb. 8, 1943	77.05
Sept. 18	74.58	June 29	76.72	Feb. 17, 1944	78.00
Dec. 11	76.00	Sept. 12	76.34	Mar. 1, 1945	78.49
Mar. 12, 1938	75.32	Dec. 5	76.02	Feb. 28, 1946	79.78
Mar. 30	75.22	Mar. 19, 1940	76.37	Mar. 8, 1947	81.80
May 27	76.68	Nov. 7	78.57	Mar. 12, 1948	83.92
June 25	75.92	Jan. 28, 1941	78.05	Mar. 10, 1949	88.45
Aug. 12	75.56	Mar. 5	77.93	Feb. 15, 1950	88.60
Sept. 15	76.68	Feb. 6, 1942	77.54	Jan. 26, 1951	89.95
Dec. 13	75.85	Nov. 27	77.13	Jan. 16, 1953	95.71

DEAF SMITH COUNTY

336. Lat. 34°46', long. 102°21'. Depth 140 feet.

Date	Water level	Date	Water level	Date	Water level
Apr. 27, 1936	87.25	Dec. 5, 1939	86.91	Feb. 28, 1946	90.80
May 20, 1937	87.57	Mar. 19, 1940	86.54	Jan. 20, 1947	92.98
June 25	85.46	Nov. 7	87.74	Mar. 18	92.54
Nov. 2	86.44	Jan. 14, 1941	87.51	Mar. 15, 1948	95.28
Mar. 12, 1938	86.52	Jan. 28	87.57	Mar. 10, 1949	97.28
May 27	86.97	Mar. 5	87.59	Feb. 15, 1950	98.57
June 27	85.96	Feb. 6, 1942	86.56	Jan. 26, 1951	101.30
Oct. 21	86.03	Feb. 9, 1943	87.03	Jan. 22, 1952	103.65
Nov. 26	85.91	Feb. 17, 1944	88.03	Jan. 16, 1953	107.03
Mar. 21, 1939	85.80	Mar. 1, 1945	89.06		
June 29	85.86	Oct. 25	90.68		

340. Lat. 34°45', long. 102°24'. Depth 120 feet.

Apr. 17, 1936	72.88	June 29, 1939	78.26	Mar. 2, 1946	81.05
June 1	73.07	Sept. 12	82.75	Mar. 8, 1947	82.68
May 17, 1937	73.76	Nov. 7, 1940	85.34	Mar. 12, 1948	84.40
Mar. 30, 1938	76.55	Jan. 28, 1941	80.10	Mar. 10, 1949	86.60
May 27	78.44	Mar. 5	79.70	Feb. 15, 1950	89.17
June 25	79.35	Feb. 6, 1942	78.82	Jan. 26, 1951	90.35
Oct. 21	79.11	Nov. 27	78.11	Jan. 22, 1952	92.10
Dec. 15	77.88	Feb. 8, 1943	78.03	Jan. 19, 1953	95.50
Mar. 21, 1939	76.54	Feb. 17, 1944	78.89		

342. Lat. 34°46', long. 102°23'. Depth 126 feet.

Dec. 1, 1937	84.85	Mar. 19, 1940	75.18	Feb. 17, 1944	78.32
Mar. 29, 1938	74.01	Nov. 7	80.79	Mar. 18, 1947	82.25
May 26	76.16	Jan. 14, 1941	78.40	Mar. 12, 1948	83.85
June 10	75.17	Mar. 5	77.79	Mar. 10, 1949	85.50
Dec. 10	74.43	July 26	77.20	Jan. 25, 1951	89.05
Mar. 21, 1939	74.37	Feb. 6, 1942	76.85	Jan. 24, 1952	91.78
Sept. 12	77.49	Nov. 27	76.68		
Dec. 5	75.23	Feb. 8, 1943	76.42		

394. Lat. 34°46', long. 102°17'.

Oct. 26, 1945	79.50	Mar. 12, 1948	80.75	Jan. 26, 1951	83.10
Feb. 28, 1946	78.75	Mar. 10, 1949	81.65	Jan. 22, 1952	85.01
Mar. 18, 1947	79.34	Feb. 15, 1950	81.93	Jan. 16, 1953	89.77

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431. Lat. $34^{\circ}46'$, long. $102^{\circ}27'$. Depth 75 feet.

Date	Water level	Date	Water level	Date	Water level
Sept. 16, 1937	66.11	Dec. 6, 1939	67.28	Jan. 17, 1947	72.54
Jan. 18, 1938	66.15	Nov. 8, 1940	69.80	Mar. 19	76.60
Feb. 26	66.18	Jan. 29, 1941	69.63	Mar. 9, 1948	73.58
Mar. 11	66.22	Mar. 6	69.53	Mar. 10, 1949	76.07
May 26	66.49	Feb. 5, 1942	68.26	Feb. 15, 1950	75.53
Oct. 21	66.69	Feb. 10, 1943	68.15	Jan. 26, 1951	76.78
Mar. 30, 1939	66.62	Feb. 18, 1944	69.62	Jan. 23, 1952	77.75
June 27	66.89	Mar. 1, 1945	70.38		
Sept. 13	67.40	Feb. 26, 1946	71.45		

459. Lat. $34^{\circ}50'$, long. $102^{\circ}36'$. Depth 202 feet.

July 16, 1938	106.20	Jan. 30, 1951	112.98	Jan. 17, 1953	117.20
Feb. 17, 1950	109.92	Jan. 23, 1952	116.22		

486. Lat. $34^{\circ}51'$, long. $102^{\circ}27'$. Depth 210 feet.

Mar. 18, 1937	71.20	Dec. 23, 1941	74.97	Jan. 17, 1947	79.69
May 26, 1938	79.25	Feb. 7, 1942	75.27	Mar. 9, 1948	81.55
June 25	74.12	Feb. 18, 1944	76.86	Mar. 9, 1949	85.07
Mar. 30, 1939	71.52	Mar. 1, 1945	76.33	Jan. 25, 1951	90.27
Sept. 13	79.08	Nov. 6, 1945	79.27	Jan. 23, 1952	94.01
Mar. 7, 1941	76.35	Feb. 28, 1946	78.18	Jan. 17, 1953	99.14

502. Lat. $34^{\circ}51'$, long. $102^{\circ}32'$. Depth 210 feet.

Nov. 13, 1937	93.26	June 13, 1946	106.93	Sept. 2, 1948	113.72
Mar. 29, 1938	95.22	July 2	106.05	Nov. 2	114.84
May 26	96.13	Aug. 5	107.46	Dec. 5	112.84
June 25	95.50	Sept. 6	108.25	Jan. 6, 1949	112.10
Aug. 12	95.81	Oct. 9	104.97	Feb. 2	111.50
Sept. 15	95.52	Nov. 6	103.97	Mar. 9	110.41
Oct. 21	94.98	Dec. 4	103.07	Apr. 20	113.34
Dec. 6	94.59	Jan. 17, 1947	102.14	May 2	115.10
Mar. 30, 1939	95.30	Feb. 5	101.88	June 10	112.78
June 27	95.82	Mar. 19	101.30	July 11	114.25
Sept. 13	98.57	May 7	106.76	Aug. 5	112.86
Dec. 6	95.70	June 9	103.63	Sept. 8	119.70
Mar. 20, 1940	95.23	July 24	106.67	Oct. 14	116.35
Nov. 8	102.08	Aug. 5	102.65	Nov. 7	113.85
Jan. 29, 1941	99.36	Sept. 25	108.67	Feb. 14, 1950	111.66
Mar. 7	98.82	Dec. 18	107.50	Jan. 25, 1951	114.69
Feb. 5, 1942	97.46	Feb. 3, 1948	106.16	Jan. 23, 1952	119.80
Feb. 18, 1944	99.18	Mar. 12	105.39	Jan. 17, 1953	124.53
Mar. 1, 1945	97.65	May 26	111.58		
Feb. 26, 1946	100.75	Aug. 5	114.25		

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506. Lat. $34^{\circ}48'$, long. $102^{\circ}33'$. Depth 94 feet.

Date	Water level	Date	Water level	Date	Water level
Aug. 26, 1937	74.12	Dec. 6, 1939	74.48	Mar. 19, 1947	79.14
Mar. 29, 1938	74.39	Mar. 20, 1940	74.70	Mar. 9, 1948	81.29
May 26	74.43	Jan. 29, 1941	74.90	Mar. 9, 1949	82.93
June 25	74.46	Mar. 7	80.08	Feb. 14, 1950	86.85
Sept. 15	74.38	Feb. 5, 1942	78.52	Jan. 25, 1951	86.60
Oct. 21	74.27	Feb. 10, 1943	75.57	Jan. 23, 1952	86.90
Dec. 16	74.31	Feb. 18, 1944	77.60	Jan. 17, 1953	89.19
Mar. 30, 1939	74.30	Mar. 1, 1945	77.12		
Sept. 13	74.30	Feb. 26, 1946	78.35		

513. Lat. $34^{\circ}45'$, long. $102^{\circ}30'$. Depth 85 feet.

Nov. 1, 1937	74.55	June 27, 1939	74.83	Feb. 20, 1946	78.70
Mar. 29, 1938	74.66	Sept. 13	74.90	Jan. 17, 1947	80.60
May 26	74.78	Dec. 6	76.08	Mar. 9, 1948	81.38
June 10	74.68	Mar. 20, 1940	75.19	Mar. 10, 1949	82.76
Aug. 12	74.73	Feb. 5, 1942	76.25	Jan. 25, 1951	84.85
Oct. 21	74.81	Feb. 10, 1943	77.10	Jan. 23, 1952	87.33
Dec. 16	74.80	Feb. 18, 1944	77.95	Jan. 17, 1953	89.52
Mar. 30, 1939	74.81	Mar. 1, 1945	78.42		

514. Lat. $34^{\circ}45'$, long. $102^{\circ}30'$. Depth 178 feet.

Sept. 16, 1937	104.55	Mar. 7, 1941	105.89	Mar. 10, 1949	111.28
Mar. 29, 1938	103.62	Feb. 10, 1943	105.20	Feb. 14, 1950	114.57
June 25	105.08	Feb. 18, 1944	105.78	Jan. 25, 1951	115.17
Sept. 15	104.77	Mar. 1, 1945	106.00	Jan. 23, 1952	118.39
Mar. 30, 1939	104.02	Feb. 26, 1946	106.30	Jan. 17, 1953	120.74
June 27	104.32	Mar. 19, 1947	108.04		
Jan. 29, 1941	106.15	Mar. 9, 1948	109.04		

546. Lat. $34^{\circ}48'$, long. $102^{\circ}38'$. Depth 185 feet.

Nov. 6, 1945	119.30	Feb. 5, 1951	128.26	Jan. 17, 1953	132.64
Feb. 17, 1950	125.76	Jan. 24, 1952	130.79		

558. Lat. $34^{\circ}52'$, long. $102^{\circ}34'$. Depth 225 feet.

Nov. 7, 1945	68.20	Jan. 30, 1951	69.17	Jan. 17, 1953	69.10
Feb. 17, 1950	66.36	Jan. 23, 1952	68.40		

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566. Lat. $34^{\circ}55'$, long. $102^{\circ}33'$. Depth 285 feet.

Date	Water level	Date	Water level	Date	Water level
Nov. 7, 1945	182.20	Jan. 24, 1952	186.80	Jan. 19, 1953	188.20
Feb. 17, 1950	190.20				

919. Lat. $34^{\circ}46'$, long. $102^{\circ}19'$.

June 29, 1939	81.80	Feb. 28, 1946	86.50	Jan. 26, 1951	93.77
Dec. 5	81.70	Mar. 18, 1947	87.45	Jan. 22, 1952	94.78
Jan. 28, 1941	83.80	Mar. 12, 1948	89.41	Jan. 16, 1953	96.52
Mar. 6	82.98	Mar. 10, 1949	91.24		
Oct. 29, 1945	87.05	Feb. 15, 1950	91.37		

924. Lat. $34^{\circ}46'$, long. $102^{\circ}24'$. Depth 83 feet.

Feb. 6, 1942	67.84	Feb. 28, 1946	71.70	Feb. 15, 1950	77.20
Nov. 27	67.62	Mar. 8, 1947	73.61	Jan. 25, 1951	78.06
Feb. 17, 1944	68.86	Mar. 10, 1949	76.37		

934. Lat. $34^{\circ}45'$, long. $102^{\circ}21'$. Depth 160 feet.

Oct. 25, 1945	95.70	Oct. 22, 1947	98.19	May 2, 1949	99.58
Feb. 26, 1946	93.60	Dec. 18	97.70	June 10	99.04
July 2	103.20	Feb. 4, 1948	97.14	July 12	112.55
Aug. 2	109.30	Mar. 12	96.75	Aug. 5	103.01
Sept. 5	98.50	May 26	102.30	Sept. 8	105.30
Oct. 7	96.64	Aug. 5	104.89	Oct. 14	101.26
Nov. 6	95.90	Sept. 30	103.02	Nov. 7	103.95
Dec. 4	95.52	Nov. 2	100.58	Dec. 7	100.28
Jan. 6, 1947	95.08	Dec. 5	99.78	Feb. 7, 1950	100.00
Feb. 5	94.90	Jan. 6, 1949	99.00	Jan. 26, 1951	103.15
Mar. 18	95.09	Feb. 10	98.85	Jan. 22, 1952	105.90
May 7	96.35	Mar. 15	99.02	Jan. 16, 1953	110.78
June 9	98.70	Apr. 20	103.53		