

TEXAS

STATE BOARD OF WATER ENGINEERS

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AUSTIN COUNTY, TEXAS

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

Works Progress Administration Ground-Water Survey Project 2080

Analyses made and report mimeographed by
WORK PROJECTS ADMINISTRATION
Project 6507-5112

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

February 1938

AUSTIN COUNTY, TEXAS

Introduction

by

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U. S. Geological Survey

The purpose of this survey was to obtain information concerning existing wells and the quantity and quality of water they yield, and to put down test holes where additional information was needed.

This project was part of a statewide Works Progress Administration project known as a "Statewide Inventory of Water Wells," sponsored by the State Board of Water Engineers. The Division of Ground Water of the U. S. Geological Survey cooperated in the technical direction of the project and the Bureau of Industrial Chemistry of The University of Texas furnished laboratory space and equipment and supervised the chemical analyses.

The analyses were made by chemists employed on Works Progress Administration Project 6507-5112 at Austin, Texas, sponsored by the State Board of Water Engineers. Typists employed on this project typed and assembled this release.

The field work in Austin County was started on December 15, 1936, and completed March 31, 1937. This work was done as Project 2080 of Administrative Field office 6 of the Works Progress Administration, Houston, Texas.

This release contains the well records and well logs obtained by the project superintendent, logs of the test holes drilled by the W. P. A. labor, and the chemical analyses of water from privately owned wells and from test wells. Locations of all wells and test wells are shown on the map in the back of the release.

Records of wells in Austin County, Texas

(All wells are drilled or bored unless otherwise indicated in "Remarks" column.)

(See "Logs of W. P. A. test wells" for all records of test wells.)

| No. | Distance from Bellville | Survey | Owner | Driller | Topographic situation | Date completed | Temperature (°F.) | Depth of well (ft.) | Diameter of well (in.) |
|-------|----------------------------------|-------------------|------------------------------|-----------------------|-----------------------|----------------|-------------------|---------------------|------------------------|
| 1 | 20 $\frac{1}{2}$ miles west | Wm. Sutherland | W. A. Voelkel | -- | Hillside | 1881 | 66 | 76 | 10 |
| 2 | 18 $\frac{1}{2}$ miles west | Wm. Burnett | Karl Neumann | -- | do. | 1891 | 69 | 16 | 48 |
| 3 | 17 miles northwest | Sam M. Williams | V. Janes | -- | Hilltop | 1901 | 69 | 75 | 30 |
| 4 | 15 $\frac{1}{2}$ miles northwest | John Hodge | Herbert Thielmann | -- | Top of ridge | 1929 | 68 | 53 | 36 |
| e/ 5 | 15 miles northwest | do. | F.W. Schuerenberg Est. | M. L. Fitzsimmons | -- | 1922 | -- | -- | -- |
| 6 | 14 miles northwest | do. | Alfred Schultze | -- | -- | 1908 | 69 | 62 | 30 |
| 7 | 14 miles west | Stephon F. Austin | Hugo Huebner | -- | Hilltop | 1900 | 67 | 98 | 30 |
| 8 | do. | do. | B. W. Huebner | -- | do. | 1925 | 69 | 55 | 48 |
| 9 | 7 miles west | do. | Willie Hold | -- | -- | 1895 | 73 | 30 | 24 |
| e/ 10 | 7 $\frac{1}{2}$ miles west | do. | Hugo Fischer Anna Hartman | Willie Hiller | -- | 1885 | -- | 127 | 3 |
| 11 | do. | do. | do. | -- | -- | 1870 | 69 | 25 | 72 |
| 12 | 14 $\frac{1}{2}$ miles west | do. | Reinhold Lahrman | Walter E. Rinn | Hilltop | 1925 | 68 | 97 | 3 |
| 13 | do. | John F. Pettus | J. C. Buenger | do. | -- | 1930 | 67 | 105 | 3 |
| e/ 14 | 15 miles west | do. | Chas. F. Knolle | Melloy-Knolle Oil Co. | -- | -- | -- | 1,504 | -- |
| 15 | 13 miles west | do. | Walter E. Rinn | Walter E. Rinn | -- | 1918 | 66 | 44 | 36 |
| 16 | 16 $\frac{1}{2}$ miles west | Wm. T. Dunlavy | Otto Arndt | -- | Hilltop | 1899 | 69 | 47 | 36 |
| e/ 17 | 15 $\frac{1}{2}$ miles west | Samuel O. Pettus | Emil Kruege | Walter E. Rinn | Hillside | 1924 | -- | 185 | 3 |
| e/ 18 | 16 miles west | do. | Wm. Schweke | -- | -- | 1892 | 71 | 30 | 36 |
| 19 | 14 $\frac{1}{2}$ miles west | A. J. Bell | -- School | Walter E. Rinn | Hilltop | 1931 | 66 | 131 | 3 |
| 21 | 14 miles west | do. | H. L. Frnka | Willie Hiller | -- | 1907 | -- | 135 | 3 |
| 22 | 13 $\frac{1}{2}$ miles west | Bryant Dottery | Henry Gross | -- | Hilltop | 1895 | 63 | 85 | 3 |
| e/ 23 | 8 miles west | Renke Stölze | H. W. Peschell | Arkansas Fuel Oil Co. | -- | -- | -- | 4,010 | -- |

a/ Measuring point was usually top of casing, top of pump base, or top of well curb.

b/ B, bucket; C, cylinder; E, electric; G, gasoline engine; H, hand; T, turbine; W, windmill; number indicates horsepower.

Records obtained by R. E. May, Project Superintendent
(Chemical analyses of water from these wells are in the table of analyses.)

| No. | Height of measuring point above ground (ft.) a/ | Water Level | | Pump and power b/ | Use of water c/ | Remarks |
|-----|--|-----------------------------------|---------------------|----------------------|--------------------|---|
| | | Depth below measuring point (ft.) | Date of measurement | | | |
| 1 | -- | 51.3 | Mar. 16, 1937 | B,H | D,S | Dug well. 68 feet vitrified clay casing at top. Water reported in sand and gravel, 68 |
| 2 | 0 | 0.8 | do. | B,H | D,S | Dug well. 14 feet steel casing to 76 feet. at top. Water reported in sand, 14 to 16 |
| 3 | 0.2 | 59 | d/ | C,W,H | D,S | Dug well. 74 feet vitrified clay casing at top. Water reported in sandstone, 74 |
| 4 | 2.7 | 33.2 | Mar. 11, 1937 | C,W | D,S | Dug well. 50 feet concrete casing at top. Water reported in sandstone, 50 |
| 5 | -- | -- | -- | None | N | Oil test. See log. to 53 feet. |
| 6 | 2.4 | 54.4 | Mar. 11, 1937 | B,H | D,S | Dug well. 60 feet concrete casing at top. Water reported in sand, 60 to 62 feet. |
| 7 | 1 | 67 | Mar. 10, 1937 | C,W | D,S,I | Dug well. 93 feet concrete casing at top. Screen at bottom. Owner reported water in |
| 8 | -- | 46.6 | Mar. 12, 1937 | C,W | D,S | Dug well. 52 feet rock sand, 93 to 98 feet. casing at top. Water reported in sand, 48 |
| 9 | 1.5 | 20.8 | Mar. 8, 1937 | B,H | D,S | Dug well. 26 feet concrete casing at top. Water reported in sand, 26 to |
| 10 | 1 | 80 | d/ | C,-,- | D,Ind | 118 feet steel casing at top. 30 feet. Owner reported water in sand, 118 to 127 |
| 11 | 1 | 9.2 | Jan. 14, 1937 | C,-,- | Ind | Dug well. 16 feet concrete casing at feet. top. Water reported in sand, 16 to 24 feet. Supplies two 250-horsepower boilers in saw |
| 12 | -- | 61.5 | Mar. 12, 1937 | C,W | D,S | 93 feet steel casing at top. Screen mill. at bottom. Water reported in sand and gravel, 92 to 97 feet. Well 57 feet deep near- |
| 13 | 0.5 | 38 | d/ | C,E,S | D | 90 feet galvanized casing by failed in 1925. ing at top. Screen at bottom. Owner reported water in sand, 90 to 105 feet. Esti- |
| 14 | -- | -- | -- | None | N | Oil test. mated yield, 5 gallons a minute. See log. |
| 15 | 1.1 | 22.4 | Jan. 14, 1937 | C,W | D,S | Dug well. 35 feet wood casing at top. Owner reported water in sand, 35 to 43 feet. |
| 16 | -- | 36.3 | Mar. 17, 1937 | C,W,H | D,S | Dug well. 44 feet brick casing at top. Water reported in sand, 44 to 47 feet. |
| 17 | -- | 116 | do. | C,-,5 | Ind | 100 feet galvanized iron casing at top. Water reported in gravel, 174 to 185 feet. Estimated yield, 8 gallons a minute. |
| 18 | -- | 17.3 | do. | B,H | S | Dug well. 24 feet brick casing at top. Water reported in sand, 24 to 30 feet. |
| 19 | -- | 97 | Mar. 16, 1937 | C,E,- | D | 127 feet steel casing at top. Screen at bottom. Water reported in sand, 125 to 131 |
| 21 | -- | 102 | d/ | C,W | -- | 131 feet steel casing feet. Supplies school. ing at top. Screen at bottom. Water reported in sand, 129 to 136 feet. Supplies gar- |
| 22 | -- | 43 | Mar. 17, 1937 | C,W,H | D,S | 81 feet galvanized casing at top. age. Screen at bottom. Water reported in sand, |
| 23 | -- | -- | -- | None | N | Oil test. See log. 77 to 85 feet. |

c/ D, domestic; I, irrigation; Ind, industrial; P, public; S, stock; N, not used.

d/ Water level reported.

e/ No water sample collected for analysis.

Records of wells in Austin County--Continued

| No. | Distance from Bellville | Survey | Owner | Driller | Topographic situation | Date completed | Temperature (°F.) | Depth of well (ft.) | Diameter of well (in.) |
|-------|-------------------------|---------------------|-------------------|----------------|-----------------------|----------------|-------------------|---------------------|------------------------|
| 24 | 9 miles west | George Grimes | T. M. Kamas | J. Sembera | -- | 1893 | 69 | 27 | 30 |
| 25 | 10 miles west | do. | V. Chaluepkua | V. Chaluepkua | -- | 1920 | 74 | 38 | 30 |
| 26 | 11 miles west | Benjamin Eaton | John Arning | Walter E. Rinn | Hillside | 1926 | 66 | 82 | 3 |
| 27 | 10 miles west | do. | Otto Veckert | -- | River bottoms | 1890 | 70 | 64 | 3 |
| 28 | 11½ miles west | do. | B. Wering | Walter E. Rinn | Hilltop | 1921 | 65 | 86 | 3 |
| 29 | 12 miles west | Eliz. M. Kuykendall | Chris Loesch | Herman Albert | -- | 1917 | 68 | 67 | 3 |
| 30 | do. | do. | Mrs. H. J. Albert | -- | Hilltop | 1893 | 65 | 95 | 30 |
| 32 | 11½ miles northwest | do. | Willie Spreen | -- | do. | 1927 | 64 | 19 | 30 |
| 33 | 12½ miles northwest | do. | Carl Holt | Carl Holt | do. | 1896 | 67 | 120 | 30 |
| 34 | 13 miles northwest | do. | C. L. Luedeke | -- | Hillside | -- | 69 | 57 | 36 |
| 35 | 11 miles northwest | Chas. Benton | Emil Hopman | -- | Hilltop | 1890 | 71 | 39 | 30 |
| 36 | do. | James Cooper | New Wehden School | -- | do. | 1927 | 69 | 68 | 3 |
| 38 | 9½ miles northwest | do. | Hy Honerkamp | -- | do. | 1894 | 68 | 28 | 30 |
| 40 | 9 miles northwest | John W. Kenney | Andrew Herring | Conrad Booth | -- | 1918 | 63 | 119 | 6 |
| 42 | do. | do. | Louis Loesch | -- | Hillside | 1871 | 71 | 25 | 30 |
| 44 | 7 miles northwest | do. | Frank W. Mikeska | -- | Hilltop | 1873 | 72 | 24 | 30 |
| e/ 46 | do. | do. | -- School | -- | Hillside | 1916 | 71 | 34 | 30 |
| 47 | 9 miles northwest | J. G. Bolcher | Fritz Richter | -- | -- | 1916 | 69 | 47 | 3 |
| 48 | 7 miles northwest | J. Furnas | John H. Gooke | -- | Ridgetop | Old | 70 | 65 | 36 |
| 50 | 4¼ miles northwest | Wm. Kuykendall | Mrs. D. Laas | Jesse Rinn | Hillside | 1924 | 69 | 163 | 3 |
| 52 | 3 miles northwest | John Fitzgibbens | M. D. Harper | M. D. Harper | -- | 1930 | 67 | 46 | 10 |
| e/ 54 | 8 miles southwest | Samuel C. Douglass | Herman Palm | Walter E. Rinn | -- | 1928 | 69 | 72 | 4 |
| e/ 55 | 6 miles southwest | Louis von Roeder | August Huber | -- | -- | 1900 | 70 | 57 | 30 |
| e/ 56 | 4½ miles southwest | S. Swearingen | Frank Sens | -- | -- | 1910 | 69 | 57 | 36 |
| 57 | 6½ miles south | Miles N. Allen | John Surovik | Walter E. Rinn | -- | 1924 | 68 | 104 | 3 |
| 58 | 5½ miles south | do. | Arnold Goebel | -- | Hillside | -- | 73 | 65 | 12 |

R. E. May, Project Superintendent

| No. | Height of measuring point above ground (ft.) | Water Level | | Pump and power b/ | Use of water c/ | Remarks |
|-----|--|-----------------------------------|---------------------|-------------------|-----------------|--|
| | | Depth below measuring point (ft.) | Date of measurement | | | |
| 24 | 2 | 15.8 | Jan. 14, 1937 | C,W,H | D | Dug well. 21 feet concrete casing at top. Owner reported water in sand, 21 to 27 feet. |
| 25 | 1.8 | 26.3 | do. | B,H | D | Dug well. 30 feet concrete casing at top. Owner reported water in sand, 30 to 37 feet. |
| 26 | -- | 57 | d/ | C,W,H | D,S | Steel casing. Water reported in rock, 78 to 82 feet. |
| 27 | 1 | 47 | d/ | C,W,H | D,S | Steel casing. Water reported in sand, 60 to 64 feet. |
| 28 | 0.5 | 66.2 | Mar. 10, 1937 | C,W,H | D,S | Galvanized iron casing. Owner reported water in sand, 82 to 86 feet. |
| 29 | 0.3 | 49.4 | do. | C,W,H | D,S | Steel casing. Owner reported water in sand, 64 to 67 feet. |
| 30 | 1 | 67.4 | do. | C,W | D,S | Dug well. Vitriified clay casing inside rock casing. Owner reported water in sand, 90 to |
| 32 | 2.5 | 9.8 | do. | B,H | D,S | Dug well. Concrete casing. Tenant reported water in rock, 18 to 19 feet. |
| 33 | -- | 114 | d/ | C,W | D,S,I | Dug well. Vitriified clay casing. Water reported in sand, 116 to 120 feet. Irrigates |
| 34 | 2.9 | 53.3 | Mar. 11, 1937 | B,H | D,S | Dug well. Concrete casing. Water reported in sand, 54 to 57 feet. garden. |
| 35 | 1 | 33.3 | Mar. 10, 1937 | C,W,& B,H | D,S | Dug well. Vitriified clay casing. Owner reported water in rock, 36 to 39 feet. |
| 36 | 1 | 42 | d/ | C,W,H | D | Steel casing. Water reported in gravel, 63 to 69 feet. |
| 38 | 1 | 19.4 | Mar. 9, 1937 | B,H | S | Dug well. Vitriified clay casing. Owner reported water in sand, 25 to 28 feet. |
| 40 | 1.2 | 63.2 | Jan. 13, 1937 | C,W,H | D,S,I | 98 feet steel casing at top. Sand screen at bottom. Owner reported water in sand, 98 to |
| 42 | 0.9 | 20.4 | Mar. 8, 1937 | C,W,& B,H | D,S | Dug well. 24 feet vitriified clay casing. Owner reported water in rock, 24 to |
| 44 | 2 | 17.5 | Mar. 3, 1937 | B,H | D,S | Dug well. 18 feet concrete casing at top. Owner reported water in sand, 18 to |
| 46 | 2 | 26 | d/ | C,H | D | Dug well. 32 feet rock casing. Teacher reported water in sand, 32 to 34 |
| 47 | 1.6 | 22 | d/ | C,W | D,S | 45 feet galvanized iron casing at top. Screen at bottom. Owner reported water in |
| 48 | 3.2 | 56.2 | Mar. 3, 1937 | C,W,& B,H | D,S | Dug well. 56 feet concrete casing at top. Owner reported water in sand, 57 to 65 feet. |
| 50 | 0.6 | 112 | d/ | C,G,3 | D,S | 159 feet steel casing at top. Screen at bottom. Water reported in sand, 156 to 163 |
| 52 | 2 | 17.5 | Jan. 12, 1937 | B,H | D | 40 foot wood casing at top. Owner reported water in sand, 40 to 46 feet. |
| 54 | -- | 56.9 | Mar. 24, 1937 | C,W,H | D,S,I | Steel casing. Water reported in sand and gravel, 69 to 72 feet. |
| 55 | -- | 41.7 | do. | B,H | D,S | Dug well. 55 feet brick casing at top. Water reported in sand, 54 to 57 feet. |
| 56 | -- | 39.0 | do. | B,H | D,S | Dug well. 56 feet brick and stone casing at top. Water reported in sand, 54 to 57 feet. |
| 57 | 1.3 | 45 | d/ | C,H | D,S | 96 feet steel casing at top. Screen at bottom. Owner reported water in sand, 96 to |
| 58 | -- | 38 | d/ | C,G,3 | D,S | Dug well. 60 feet wood casing at top. Water reported in sand, 60 to 65 feet. |

Records of wells in Austin County--Continued

| No. | Distance from Bellville | Survey | Owner | Driller | Topographic situation | Date completed | Temperature (°F.) | Depth of well (ft.) | Diameter of well (in.) |
|-------|---------------------------------|-------------------------|----------------------|----------------------|-----------------------|----------------|-------------------|---------------------|------------------------|
| 59 | 5 miles south | Miles N. Allen | Chas. Riniker | Fred Lux | Hilltop | 1904 | 67 | 117 | 6 |
| 61 | 4 $\frac{1}{2}$ miles south | James Cummins' Hacienda | Fred Palm | Joe Palm | do. | 1902 | 69 | 95 | 6 |
| 62 | 5 miles south | do. | Sam Vornkahl | -- | do. | 1915 | 68 | 132 | 6 |
| e/ 63 | 1 $\frac{1}{2}$ miles south | do. | Fritz Schumann | Walter E. Rinn | Hillside | 1921 | 69 | 67 | 3 |
| e/ 65 | 1 $\frac{3}{4}$ miles southeast | do. | G.C. & S.F. R.R. Co. | G.C. & S.F. R.R. Co. | do. | 1926 | 67 | 747 | 10 |
| e/ 69 | 4 miles south | do. | August Timme | -- | do. | 1884 | 71 | 59 | 30 |
| 74 | 3 $\frac{1}{2}$ miles southeast | do. | E. Grube | -- | -- | 1904 | 71 | 73 | 3 |
| 76 | 2 $\frac{1}{2}$ miles southeast | do. | H. E. Schroeder | -- | Hillside | 1903 | 72 | 97 | 3 |
| 77 | 4 $\frac{1}{4}$ miles southeast | do. | Albert Mernitz | -- | -- | 1884 | 72 | 65 | 30 |
| 78 | 6 miles southeast | do. | Fritz Nelius | -- | Hillside | 1912 | 71 | 88 | 30 |
| 79 | do. | do. | do. | -- | -- | 1905 | 68 | 68 | 3 |
| 80 | 7 miles southeast | do. | August A. Reichle | -- | Hillside | 1914 | 69 | 28 | 3 |
| 82 | 8 miles southeast | do. | S. Hintzel | E. Syer | Ridgetop | 1917 | 71 | 157 | 3 |
| 84 | do. | do. | C. C. Amsler | C. C. Amsler | Hilltop | 1912 | 72 | 48 | 12 |
| 85 | 8 $\frac{1}{2}$ miles southeast | do. | Julius Brune | Otto Ulig | -- | 1928 | 71 | 42 | 4 |
| 86 | 9 $\frac{1}{2}$ miles southeast | J. Flanakin | Albert Janczak | Frank Eckleberg | -- | 1918 | 69 | 40 | 6 |
| 87 | 8 $\frac{1}{2}$ miles southeast | Daniel Gilliland | Taylor Sykes | Taylor Sykes | Bottoms | 1931 | 76 | 39 | 12 |
| 88 | 7 $\frac{1}{2}$ miles southeast | Phillip Howard | Reinhardt Luhn | E. Syer | Hillside | 1933 | 71 | 195 | 3 |
| 89 | do. | do. | August Steck | -- | Hilltop | 1912 | 71 | 95 | 6 |
| 91 | 7 miles southeast | Henry P. Roffe | F. Krueger | E. Syer | -- | 1919 | 71 | 100 | 3 |
| 92 | do. | do. | Gus Timme | Gus Timme | -- | 1893 | 72 | 57 | 36 |
| 93 | 6 $\frac{1}{2}$ miles southeast | do. | Theo Brosig | Fritz Krueger | -- | 1917 | 71 | 117 | 3 |
| 94 | 6 miles southeast | do. | Herman Krueger | E. Syer | -- | 1921 | 69 | 145 | 3 |

R. E. May, Project Superintendent

| No. | Height of measuring point above ground (ft.) a/ | Water Level | | Pump and power b/ | Use of water c/ | Remarks |
|-----|---|-----------------------------------|---------------------|-------------------|-----------------|--|
| | | Depth below measuring point (ft.) | Date of measurement | | | |
| 59 | 0.5 | 31.9 | Jan. 30, 1937 | C,G,3 | D,S | 110 feet steel casing at top. Screen at bottom. Owner reported water in sand and gravel, 110 to 117 feet. |
| 61 | 1.3 | 34.4 | Jan. 29, 1937 | C,W,H | D,S | 83 feet steel casing at top. Screen at bottom. Owner reported water in sand, 88 to 95 feet. |
| 62 | 2 | 96 | d/ | C,W | D,S | 122 feet steel casing at top. Screen at bottom. Owner reported water in sand and gravel, 122 to 132 feet. |
| 63 | 0.3 | 41 | d/ | C,W,H | D,S | 63 feet galvanized iron casing at top. Screen at bottom. Owner reported water in sand, 62 to 68 feet. |
| 65 | -- | 316 | d/ | C,G, 25 | Ind | 727 feet steel casing at top. Screen at bottom. Yard superintendent reported water in sand, 725 to 747 feet. See log. |
| 69 | 1.7 | 40.6 | Dec. 10, 1936 | B,H | D,S | Dug well. 54 feet vitrified clay casing at top. Owner reported water in sand, 54 to 59 feet. |
| 74 | 1 | 36.5 | d/ | C,W,H | D,S,I | 68 feet steel casing at top. Screen at bottom. Tenant reported water in sand, 68 to 73 feet. Irrigates garden. |
| 76 | -- | 46.4 | Feb. 25, 1937 | C,W,H | D,S | Dug well. 87 feet steel casing at top inside wood casing. Screen at bottom. Owner reported water in gravel, 37 to 97 feet. |
| 77 | 1 | 34 | do. | C,G,5 | D,S | Dug well. 56 feet rock casing. Owner reported water in sand, 56 to 65 feet. |
| 78 | 1 | 62.5 | Feb. 18, 1937 | B,H | D,S | Dug well. 71 feet vitrified clay casing at top. Owner reported water in sand and gravel, 71 to 87 feet. |
| 79 | 0.7 | 60 | d/ | C,W | D,S | 64 feet steel casing at top. Screen at bottom. Owner reported water in sand, 64 to 68 feet. |
| 80 | 0.7 | 21.5 | Feb. 17, 1937 | C,H | D,S | 24 feet steel casing at top. Owner reported water in sand, 24 to 28 feet. |
| 82 | 0.2 | 77.5 | Feb. 16, 1937 | C,W,H | D,S | 149 feet steel casing at top. Screen at bottom. Owner reported water in gravel, 149 to 157 feet. |
| 84 | 1.3 | 25.5 | do. | C,H | D,S | Dug well. 42 feet wood casing at top. Owner reported water in sand, 42 to 48 feet. |
| 85 | 0.3 | 24 | d/ | C,W | D,S | 42 feet steel casing at top. Screen at bottom. Owner reported water in sand and gravel, 37 to 42 feet. |
| 86 | 1 | 33.7 | Feb. 15, 1937 | C,H | D,S | 35 feet steel casing at top. Screen at bottom. Owner reported water in sand, 35 to 40 feet. |
| 87 | 2 | 31.3 | Feb. 19, 1937 | B,H | D,S | Dug well. 30 feet wood casing at top. Owner reported water in sand, 30 to 38 feet. |
| 88 | -- | 87 | d/ | C,H | D,S | 190 feet steel casing at top. Screen at bottom. Water reported in sand, 190 to 195 feet. |
| 89 | -- | 61 | d/ | C,W,H | D,S | 79 feet steel casing at top. Screen at bottom. Water reported in sand, 79 to 95 feet. |
| 91 | -- | 35 | d/ | C,W,H | D,S | 94 feet steel casing at top. Screen at bottom. Owner reported water in sand, 94 to 100 feet. |
| 92 | 0.5 | 42.4 | Feb. 16, 1937 | C,W,H | D,S | Dug well. 46 feet brick casing at top. Owner reported water in sand, 46 to 57 feet. |
| 93 | 1 | 41.9 | Feb. 18, 1937 | C,W,H | D,S | 113 feet steel casing at top. Screen at bottom. Owner reported water in sand, 110 to 117 feet. |
| 94 | 1 | 76 | d/ | C,G,5 | D,S | 135 feet steel casing at top. Screen at bottom. Owner reported water in sand and gravel, 135 to 145 feet. |

Records of wells in Austin County--Continued

| No. | Distance from Bellville | Survey | Owner | Driller | Topographic situation | Date completed | Temperature (°F.) | Depth of well (ft.) | Diameter of well (in.) |
|-------|----------------------------------|---------------------|-----------------------|----------------|-----------------------|----------------|-------------------|---------------------|------------------------|
| 95 | 4 $\frac{1}{2}$ miles southeast | Lewis Kincheloe | Nat Smith | Nat Smith | Ridge-top | 1929 | 72 | 26 | 12 |
| 96 | 4 miles southeast | do. | Wm. Waak | -- | Hilltop | 1869 | 76 | 22 | 48 |
| e/ 97 | At Bellville | John Nichols | City of Bellville | J. W. Jackson | do. | 1936 | -- | 1,742 | 10 |
| e/ 98 | do. | do. | do. | do. | do. | 1928 | 66 | 786 | 10 |
| 99 | 2 miles north | do. | Herman Woehst | Edgar Woehst | -- | 1920 | 66 | 52 | 12 |
| 100 | 3 $\frac{1}{4}$ miles north | Arthur Lott | Mrs. Lula Russ | -- | Hilltop | 1935 | 69 | 98 | 3 |
| e/103 | 5 $\frac{1}{2}$ miles northwest | David Chandler | Mrs. S. Sanders | George Sanders | Hillside | 1925 | 71 | 42 | 33 |
| 104 | 6 $\frac{1}{2}$ miles northwest | do. | do. | -- | Valley | 1891 | 65 | 79 | 18 |
| e/105 | 7 miles northwest | do. | G. C. Harris | Walter E. Rinn | -- | 1932 | 57 | 216 | 6 |
| 107 | 7 $\frac{1}{2}$ miles northwest | do. | R. H. Luhn | R. J. Luhn | -- | -- | 59 | 132 | 3 |
| 108 | 8 miles north | do. | Herman Pfeffer | -- | Hillside | 1903 | 72 | 30 | 30 |
| 109 | 9 miles northwest | S. Y. Reams | Emil Fenner | Emil Fenner | -- | 1914 | 72 | 32 | 24 |
| 113 | 10 $\frac{1}{2}$ miles northwest | James Cooper | W. C. Weiss | -- | -- | -- | 66 | 44 | 34 |
| 114 | 8 $\frac{1}{2}$ miles north | James Stephenson | H. L. Reese | -- | Hilltop | 1902 | 73 | 48 | 46 |
| 115 | 7 miles north | do. | Elizabeth Bergers | -- | do. | 1893 | 73 | 40 | 30 |
| 116 | 7 $\frac{1}{2}$ miles north | do. | Fritz Kramer | -- | Hillside | 1919 | 71 | 33 | 30 |
| 117 | 4 $\frac{1}{2}$ miles north | Willis Stanley | C. E. Wellmuth Estate | -- | do. | 1910 | 72 | 76 | 3 |
| 118 | 6 miles northeast | James Cochran | Beattie Sloan | W. F. Nolte | Hilltop | 1922 | 71 | 52 | 10 |
| 119 | 6 $\frac{1}{2}$ miles northeast | do. | W. O. Hammack | -- | -- | 1877 | 77 | 22 | 12 |
| 122 | 5 $\frac{1}{2}$ miles northeast | Amasa Ives | Brandt-Ludemeyer Gin | Emil Brandt | -- | 1919 | 65 | 69 | 4 |
| 123 | do. | do. | Emil Brandt | -- | -- | 1886 | 68 | 29 | 36 |
| 124 | 5 miles northeast | do. | Henry Froelich | Henry Dartay | -- | 1904 | 70 | 24 | 36 |
| 125 | 4 $\frac{1}{4}$ miles northeast | do. | Ed. Kaechele | Will Smith | -- | -- | 70 | 37 | 12 |
| 126 | 4 $\frac{1}{2}$ miles east | do. | Willie Sontag | -- | -- | 1916 | 71 | 86 | 3 |
| 127 | 3 $\frac{1}{2}$ miles northeast | James P. Stephenson | Emil Frank | -- | -- | 1918 | 73 | 27 | 12 |

R. E. May, Project Superintendent

| No. | Height of measuring point above ground (ft.) a/ | Water Level | | Pump and power b/ | Use of water c/ | Remarks |
|-----|---|-----------------------------------|---------------------|-------------------|-----------------|---|
| | | Depth below measuring point (ft.) | Date of measurement | | | |
| 95 | 2.5 | 21.4 | Feb. 24, 1937 | B,H | D | Dug well. 20 feet wood casing at top. Owner reported water in sand, 20 to 26 feet. |
| 96 | 2.4 | 17.4 | do. | B,H | D,S | Dug well. 18 feet brick casing at top. Owner reported water in sand, 18 to 22 feet. |
| 97 | -- | -- | -- | None | N | 736 feet steel casing at top. Reported "dry" hole. See log. |
| 98 | 1.2 | 31.0 | d/ | T,E, 15 | P | See log. |
| 99 | 1.5 | 44.4 | Feb. 25, 1937 | B,H | D | 46 feet wood casing at top. Owner reported water in sand, 45 to 52 feet. |
| 100 | 0.2 | 37.4 | Mar. 1, 1937 | C,W,H | D,S | 93 feet steel casing at top. Screen at bottom. Owner reported water in sand and gra- |
| 103 | 0.4 | 14.7 | Jan. 13, 1937 | B,H | D,S | Dug well. 35 feet wood casing at top. Owner reported water in sand, vel, 92 to 98 feet. |
| 104 | 2 | 24.2 | do. | C,W,H | D,S | Vitrified clay casing. Owner reported water in sand, 64 to 78 feet. |
| 105 | 0.3 | 67.8 | Jan. 12, 1937 | C,W,H | D,S | 194 feet steel casing at top. Screen at bottom. Owner reported water in sand, 194 to |
| 107 | 1 | 81.5 | do. | C,-,- | D,S, Ind | 127 feet steel casing at top. Screen at bottom. Owner reported water in 132 feet. |
| 108 | 1 | 16.2 | Mar. 3, 1937 | B,H | D,S | Dug well. Vitrified clay casing at top. Owner reported water in sand, 127 to 132 feet. |
| 109 | 3 | 27.4 | do. | C,W | D,S | Dug well. 29 feet concrete casing at top. Owner reported water in sand, 26 to 30 feet. |
| 113 | 0.6 | 14.8 | Jan. 13, 1937 | B,H | D,S | Dug well. 36 feet rock casing at top. Owner reported water in sand, 29 to 33 feet. Located inside store |
| 114 | 1.5 | 27 | d/ | C,W,H | D,S | Dug well. 44 feet brick casing at top. Owner reported water in sand, 44 to 50 feet. |
| 115 | 1 | 17.4 | Mar. 3, 1937 | C,W,H | D,S, I | Dug well. 30 feet concrete casing in side rock casing. Owner reported water in 1 feet. |
| 116 | 3 | 26.2 | Mar. 2, 1937 | B,H | D,S | Dug well. 29 feet vitrified clay casing at top. Owner reported water in sand, 30 to 41 feet. |
| 117 | 1 | 64 | d/ | C,H | D,S | Dug well. 70 feet steel casing at top. Screen at bottom. Water reported in sand, |
| 118 | 1.4 | 45.4 | Mar. 1, 1937 | B,H | D,S | Dug well. 50 feet wood casing at top. Water reported in sand, 46 to 70 to 76 feet. |
| 119 | 1 | 13.7 | do. | C,H | D,S | Dug well. 17 feet wood casing at top. Owner reported water in sand, 17 to 22 52 feet. |
| 122 | 1 | 21 | d/ | C,-,- | Ind | 58 feet galvanized iron casing at top. Screen at bottom. Driller reported water in 1 feet. |
| 123 | 1.2 | 21.3 | Jan. 4, 1937 | C,W | D,S | Dug well. 21 feet brick casing at top. Owner reported water in sand, 58 to 60 feet. 21 to 29 feet. |
| 124 | 3 | 21.3 | do. | C,W | D,S | Dug well. 22 feet concrete casing at top. Owner reported water in sand, 21 to 24 feet. |
| 125 | 1.5 | 19 | do. | C,H | D,S | Dug well. 32 feet wood casing at top. Owner reported water in sand, 32 to 37 feet. |
| 126 | 0.3 | 47 | d/ | C,H | D,S | 80 feet steel casing at top. Screen at bottom. Owner reported water in sand and gra- |
| 127 | -- | 3.8 | Feb. 25, 1937 | B,H | D,S | Dug well. 12 feet wood casing at top. Owner reported water in sand, vel, 80 to 86 feet. 14 to 26 feet. |

Records of wells in Austin County--Continued

| No. | Distance from Bellville | Survey | Owner | Driller | Topographic situation | Date completed | Temperature (°F.) | Depth of well (ft.) | Diameter of well (in.) |
|-------|---------------------------------|---------------------|-----------------------|-----------------------|-----------------------|----------------|-------------------|---------------------|------------------------|
| 130 | 3 miles northeast | James P. Stephenson | F. F. Graff | -- | -- | 1912 | 62 | 46 | 4 |
| 132 | 3 miles east | do. | Edmund Frank | -- | -- | 1922 | 62 | 52 | 3 |
| 134 | do. | do. | A. E. Lewis | -- | Hilltop | 1871 | 73 | 27 | 30 |
| 135 | 4 $\frac{1}{2}$ miles east | Thomas Bell | J. E. Henrichsen | John Henrichsen | -- | 1915 | 75 | 38 | 12 |
| e/136 | 7 miles northeast | do. | P. A. McClinton | Deering & Kayser | -- | -- | -- | 4,864 | -- |
| 137 | 4 miles east | do. | Nathan Harvey | Nathan Harvey | Hillside | 1925 | 78 | 17 | 36 |
| 138 | 5 miles east | do. | C. L. Hoff | C. M. Hoff | -- | 1913 | 71 | 49 | 3 |
| 139 | do. | Thomas Boatright | Emma Hagen | Emil Syer | -- | 1904 | 72 | 120 | 3 |
| 140 | 5 $\frac{1}{2}$ miles east | do. | Ben Peters | -- | -- | -- | 73 | 69 | 12 |
| 141 | 6 $\frac{1}{2}$ miles east | do. | J. H. Bishop | -- | Hilltop | 1907 | 70 | 120 | 3 |
| e/142 | 7 $\frac{1}{2}$ miles east | do. | Herman Lueller | Emil Syer | -- | 1936 | -- | 148 | 6 |
| 143 | do. | do. | C. R. Brandes | -- | -- | 1891 | 72 | 24 | 40 |
| 144 | 8 miles east | William C. White | H. H. Belcher | -- | -- | 1912 | 63 | 36 | 4 |
| 145 | 8 $\frac{1}{2}$ miles east | do. | Humble Oil & Ref. Co. | Humble Oil & Ref. Co. | -- | 1929 | 66 | 310 | 6-5/8 |
| 146 | do. | do. | do. | E. H. Wayne | -- | 1930 | 74 | 465 | -- |
| e/147 | 9 $\frac{1}{2}$ miles east | do. | R. E. Zieske | Humble Oil & Ref. Co. | -- | 1933 | 73 | 2,212 | 10 |
| 148 | 9 miles northeast | William Smeathers | Humble Oil & Ref. Co. | do. | -- | 1928 | 62 | 1,228 | -- |
| 149 | 10 miles northeast | do. | William Lange | Joe Vacek | River bottoms | 1905 | 63 | 67 | 36 |
| e/150 | do. | do. | Herbert Lischke | -- | do. | 1890 | 62 | 66 | 6 |
| 152 | 7 $\frac{1}{2}$ miles northeast | Mathew R. Williams | E. B. Wilson | -- | -- | 1917 | 65 | 52 | 3 |
| e/154 | 8 miles northeast | do. | Sarah E. Hellmuth | -- | -- | 1927 | 65 | 56 | 3 |

R. E. May, Project Superintendent

| No. | Height of measuring point above ground (ft.) <u>a/</u> | Water Level | | Pump and power <u>b/</u> | Use of water <u>c/</u> | Remarks |
|-----|--|-----------------------------------|---------------------|--------------------------|------------------------|---|
| | | Depth below measuring point (ft.) | Date of measurement | | | |
| 130 | 1 | 19 | <u>d/</u> | C,H | D,S | 40 feet steel casing at top. Screen at bottom. Tenant reported water in sand, 40 to |
| 132 | 2 | 18 | <u>d/</u> | C,H | D,S | 40 feet galvanized casing at top. 46 feet. Water reported in sand, 42 to 48 feet. |
| 134 | 2 | 19.4 | Feb. 18, 1937 | C,W,H | D,S | Dug well. 20 feet concrete casing at top. Owner reported water in sand, 21 to 27 feet. |
| 135 | 1.5 | 31.3 | Feb. 24, 1937 | B,H | D | Dug well. 32 feet vitrified clay casing at top. Owner reported water in sand, 32 to 38 |
| 136 | -- | -- | -- | None | N | Oil test. See log. feet. |
| 137 | 1.7 | 3.5 | Feb. 24, 1937 | B,H | D,S | Dug well. 12 feet concrete casing at top. Owner reported water in sand, 12 to 17 feet. |
| 138 | 0.3 | 23.9 | Feb. 23, 1937 | C,W,H | D,S | 46 feet steel casing at top. Screen at bottom. Owner reported water in sand, 45 to 49 |
| 139 | 0.5 | 43 | <u>d/</u> | C,W,H | D,S | 110 feet steel casing at top. Screen feet. at bottom. Owner reported water in sand, |
| 140 | 3 | 54.2 | Feb. 23, 1937 | B,H | D,S | Dug well. 60 feet wood 107 to 120 feet. casing at top. Owner reported water in sand, |
| 141 | 1 | 63 | <u>d/</u> | C,W | D,S | 110 feet steel casing at top. 60 to 69 feet. Screen at bottom. Owner reported water in |
| 142 | 0.2 | 62 | <u>d/</u> | C,-,- | S,Ind | 140 feet steel casing sand, 110 to 120 feet. at top. Screen at bottom. Water reported in sandy gravel, 140 to 148 feet. |
| 143 | 2.5 | 17.5 | Feb. 19, 1937 | B,H | D,S | Dug well. 18 feet brick casing at top. Owner reported water in sand, 19 to 23 feet. |
| 144 | 1 | 16.2 | Jan. 6, 1937 | C,W | D,S | Steel casing. Formerly supplied two 125-horsepower boilers. |
| 145 | -- | Flows | Jan. 8, 1937 | T,E, 10 | D | 263 feet of 24-pound steel casing at top. Screen at bottom. Water reported in sand, 263 to 310 feet. Estimated flow, 75 gallons |
| 146 | 0.2 | 16.5 | Jan. 6, 1937 | T,E, 15 | Ind | 260 feet of 15 $\frac{1}{2}$ -inch casing; 133 a minute. feet of 10-inch casing; 195 $\frac{1}{2}$ feet of 8-inch casing; screen and back pressure valves. |
| 147 | -- | Flows | -- | None | N | 1,212 feet steel casing. Measured flow, 1 $\frac{1}{2}$ gallons a minute. |
| 148 | -- | Flows | Jan. 7, 1937 | -- | D,I | 39 feet of 10 $\frac{3}{8}$ -inch casing; 918 feet of 6-5/8-inch casing; 384 $\frac{1}{2}$ feet of 4 $\frac{1}{2}$ -inch casing. Estimated flow, 10 gallons a minute. |
| 149 | 3 | 22.4 | Jan. 5, 1937 | C,G,3 | D,S | Dug well. 56 feet concrete casing at top. Owner reported water in sand, 56 to 67 feet. |
| 150 | 1.2 | 23.4 | do. | C,-,- | Ind | 57 feet steel casing at top. Screen at bottom. Water reported in sand, 57 to 63 feet. Pumped by Diesel engine. Located at gin. |
| 152 | 0.5 | 21 | <u>d/</u> | C,W | D | 44 feet steel casing at top. Screen at bottom. Water reported in sand, 44 to 52 feet. |
| 154 | 0.4 | 19.1 | Jan. 5, 1937 | C,W | D,S | 49 feet steel casing at top. Screen at bottom. Tenant reported water in sand, 49 to 56 feet. Old well 50 feet north of this well. |

Records of wells in Austin County--Continued

| No. | Distance from Sealy | Survey | Owner | Driller | Topographic situation | Date completed | Temperature (°F.) | Depth of well (ft.) | Diameter of well (in.) |
|-------|---------------------|-------------------------|-------------------------|-----------------|-----------------------|----------------|-------------------|---------------------|------------------------|
| 201 | 11½ miles west | H. & T.C.R.R. | Emma Dittert | Walter E. Rinn | River bottoms | 1924 | 67 | 89 | 3 |
| 203 | 11 miles west | do. | Ed. Schultz | Ed. Schultz | Hillside | 1909 | 67 | 83 | 3 |
| 204 | 10½ miles northwest | V. W. Swearingner | Mary Datla | Ed. Hess | -- | 1913 | 71 | 96 | 4 |
| 205 | 9 miles northwest | do. | Tom Eckelberg | Otto Ohle | -- | 1925 | 71 | 118 | 4 |
| 206 | 9 miles west | H. & T.C.R.R. | Otto Hill | -- Froebel | -- | 1916 | 76 | 32 | 12 |
| 207 | 10 miles west | do. | Chas. Kretzschmar | -- | Hilltop | 1893 | 69 | 62 | 36 |
| 208 | 7½ miles west | do. | Chas. Zachas | -- | -- | 1904 | 70 | 95 | 4 |
| 209 | 6½ miles west | do. | Adolph Drab | -- | Hilltop | 1906 | 69 | 66 | 4 |
| 210 | 5½ miles west | do. | J. C. Oldag | -- | -- | 1918 | 71 | 84 | 12 |
| e/211 | 7 miles northwest | Benj. L. Cheek | Fritz Bresig | -- | Bottoms | -- | 70 | 57 | 36 |
| e/213 | 4½ miles north | James Cummins' Hacienda | Herman Loehr | Will Smith | Hilltop | 1916 | 67 | 91 | 3 |
| 214 | do. | do. | Chas. Schroeder | -- | -- | 1894 | 74 | 60 | 36 |
| 218 | 3½ miles northwest | H. & T.C.R.R. | Fritz Sens | -- | -- | 1912 | 69 | 46 | 24 |
| 221 | 2¾ miles north | Stephen F. Austin | Frank Jurica | Frank Eckleberg | -- | 1918 | 69 | 86 | 5 |
| 222 | 3¾ miles northeast | do. | John Maler | John Maler | -- | 1934 | 71 | 56 | 2 |
| 223 | 3 miles northeast | do. | Ben E. Albert | Sam Bassett | -- | 1920 | 71 | 66 | 2 |
| 225 | 2½ miles west | H. & T.C.R.R. | Horace Clark | -- | Hilltop | -- | 70 | 87 | 3 |
| 226 | 1 mile west | do. | Anna Timme | -- | -- | 1894 | 71 | 88 | 12 |
| 227 | ½ mile west | R. S. Teel | Herman Buchtien | Ferdinand Lux | -- | 1915 | -- | 56 | 6 |
| 228 | ¼ mile northwest | San Felipe de Austin | Community Pub. Ser. Co. | Layne-Texas Co. | -- | 1930 | 67 | 304 | 10 |
| 230 | 2 miles northeast | do. | W. M. Remmert | -- | -- | 1894 | 69 | 89 | 6 |
| e/231 | 3 miles northeast | do. | Ben Thomas | -- | -- | 1916 | 72 | 61 | 6 |
| 232 | 1½ miles northeast | do. | T. G. Schaare | -- | Hilltop | 1904 | 69 | 107 | 3 |

a/ Measuring point was usually top of casing, top of pump base, or top of well curb.

b/ B, bucket; C, cylinder; E, electric; G, gasoline engine; H, hand; T, turbine; W, windmill; number indicates horsepower.

R. E. May, Project Superintendent

| No. | Height of measuring point above ground (ft.) a/ | Water Level | | Pump and power b/ | Use of water c/ | Remarks |
|-----|---|-----------------------------------|---------------------|-------------------------|-----------------|--|
| | | Depth below measuring point (ft.) | Date of measurement | | | |
| 201 | 1 | 51.4 | Jan. 31, 1937 | C,W,H | D,S | 85 feet galvanized iron casing at top. Screen at bottom. Water reported in sand, 85 |
| 203 | 1 | 42.4 | do. | C,W,H | D,S,I | 79 feet galvanized iron casing to 89 feet. at top. Screen at bottom. Owner reported water in sand, 79 to 83 feet. Irrigates gar- |
| 204 | -- | 64.8 | Jan. 30, 1937 | C,W | D,S | 90 feet steel casing at top. Screen at den. bottom. Water reported in sand, 90 to 96 |
| 205 | -- | 72 | do. | C,W,H | D,S | 112 foot steel casing at top. Screen feet. at bottom. Water reported in sand, 112 to |
| 206 | 1.2 | 25.8 | Jan. 31, 1937 | C,W,H | D,S | Dug well. 26 feet concrete casing 118 feet. at top. Water reported in sand, 26 to 32 |
| 207 | -- | 34.4 | do. | B,H | D,S | Dug well. 59 feet brick casing at feet. top. Water reported in sand, 59 to 62 feet. |
| 208 | 1 | 63.7 | do. | C,W,H | D,S | 89 foot steel casing at top. Screen at bot- tom. Owner reported water in sand, 89 to 95 |
| 209 | -- | 36.5 | do. | C,W,H | D,S | 60 feet steel casing at top. Screen feet. at bottom. Owner reported water in sand, 60 |
| 210 | 1 | 65 | d/ | C,W,H | D,S | 78 feet concrete casing at top. to 66 feet. Owner reported water in sand, 78 to 84 feet. |
| 211 | 2.4 | 38.5 | Dec. 11, 1936 | B,H | D,S | Dug well. 52 feet stone casing at top. Owner reported water in sand, 52 to 57 feet. |
| 213 | 0.5 | 62 | do. | C,W,H | D,S | 87 feet galvanized iron casing at top. Screen at bottom. Water reported in sand |
| 214 | 1.5 | 42.3 | Jan. 15, 1937 | C,W,H | D,S | Dug well. 48 and gravel, 86 to 91 feet. feet brick casing at top. Owner reported |
| 218 | 2 | 36.1 | Dec. 17, 1936 | C,W | D,S | Dug well. water in sand, 49 to 59 feet. Concrete casing. |
| 221 | 1 | 41 | d/ | C,H | D,S | 86 feet steel casing, bottom joint perforated. Owner reported water in sand, 75 to |
| 222 | 2 | 38.4 | Feb. 3, 1937 | C,H | D,S | 51 foot galvanized iron casing at 86 feet. top. Screen at bottom. Owner reported water in sand, 51 to 56 feet. |
| 223 | 2 | 39.2 | Jan. 29, 1937 | C,H | D,S | 61 feet galvanized iron casing at top. Screen at bottom. Owner reported water in sand, 61 to 65 feet. |
| 225 | 0.5 | 44 | d/ | C,H,W | D,S | Dug well. 83 feet steel casing at top. Screen at bottom. Tenant reported water in |
| 226 | 1 | 56.3 | Jan. 26, 1937 | C,W | D,S | Dug well. 78 feet wood sand, 83 to 87 feet. casing at top. Owner reported water in sand, |
| 227 | -- | 40 | d/ | C,W,& C,3 $\frac{1}{2}$ | D,S | 50 feet wrought iron casing 78 to 84 feet. set on hard rock. Owner reported water in |
| 228 | 0.5 | 82.3 | Dec. 17, 1936 | T,E, 15 | P | See log. sand, 50 to 56 feet. |
| | | 63.1 | Jan. 8, 1937 | | | |
| 230 | 0.7 | 49 | d/ | C,W,H | D,S | 85 feet steel casing at top. Screen at bot- tom. Owner reported water in sand. |
| 231 | 1.8 | 47.4 | Jan. 29, 1937 | B,H | D,S | 54 feet steel casing set on rock. Owner re- ported water in sand, 54 to 61 feet. |
| 232 | 1 | 53 | d/ | C,W,H | D,S,I | 99 feet steel casing at top. Screen at bot- tom. Owner reported water in gravel, 99 to 107 feet. |

c/ D, domestic; I, irrigation; Ind, industrial; P, public; S, stock; N, not used.

d/ Water level reported.

e/ No water sample collected for analysis.

Records of wells in Austin County--Continued

| No. | Distance from Sealy | Survey | Owner | Driller | Topographic situation | Date completed | Temperature (°F.) | Depth of well (ft.) | Diameter of well (in.) |
|-------|----------------------------------|----------------------|--------------------|-----------------|-----------------------|----------------|-------------------|---------------------|------------------------|
| 233 | 1 $\frac{3}{4}$ miles east | San Felipe de Austin | Ed. Anderson | -- | Hilltop | 1921 | 73 | 75 | 8 |
| 234 | 1 $\frac{1}{2}$ miles east | do. | Fritz Spreng | Tom Eckleberg | -- | 1923 | 68 | 102 | 6 |
| 236 | 2 $\frac{1}{4}$ miles south | do. | H. G. Clark | H. G. Clark | -- | 1876 | 61 | 66 | 4 |
| 238 | 3 miles south | do. | Z. Novick | -- | -- | 1905 | 69 | 51 | 10 |
| 239 | 4 miles southwest | do. | Wm. Satler | -- | -- | 1917 | 69 | 74 | 12 |
| 240 | 6 $\frac{1}{2}$ miles southwest | do. | John Zahradnick | -- | -- | 1907 | 68 | 47 | 10 |
| 241 | 6 miles south | do. | Joachin Hinze | Ferdinand Luchs | -- | 1917 | 68 | 43 | 4 |
| 244 | 4 $\frac{3}{4}$ miles south | Chas. F. Machmehl | Mary Sodolak | Tom Eckleberg | -- | 1935 | 68 | 57 | 3 |
| 246 | 6 miles south | Miles N. Allen | Jos. Taska | Frank Eckleberg | -- | 1920 | 61 | 68 | 4 |
| e/248 | 8 miles south | R. H. Moore | Chas. Habermacher | do. | -- | 1921 | 68 | 86 | 3 |
| 251 | 8 $\frac{1}{2}$ miles south | Antonio Mancha | Ben Stern | Vince Gallie | -- | 1935 | 61 | 92 | 2 |
| 252 | do. | do. | M. N. Allen | -- | -- | 1874 | 68 | 57 | 12 |
| e/253 | 7 $\frac{1}{2}$ miles southeast | do. | Philip Witte | Chas. Mahler | -- | -- | 68 | 62 | 4 |
| 254 | 9 $\frac{1}{2}$ miles south | C. C. D. Co. | C. Kaechele | Frank Eckleberg | -- | 1916 | 63 | 63 | 4 |
| 255 | 10 miles south | Mrs. Jesse Doykin | Alfred Barta | Alfred Barta | -- | 1890 | -- | 85 | 2 |
| 257 | 11 $\frac{1}{2}$ miles south | Jacob Stevens | F. Parma | -- | -- | 1916 | 67 | 97 | 3 |
| 258 | 13 miles south | do. | J. Korcak | Chas. Mahler | -- | 1918 | 70 | 97 | 3 |
| 259 | 12 $\frac{1}{2}$ miles south | do. | Joe Vasicek | Jim Galea | -- | 1916 | 69 | 102 | 2 |
| e/260 | 12 miles southeast | do. | John Klecha | Chas. Mahler | -- | 1921 | 68 | 98 | 3 |
| 261 | 10 $\frac{1}{2}$ miles south | do. | I. Minks | -- Bowman | -- | 1920 | -- | 96 | 4 |
| e/262 | 11 $\frac{1}{2}$ miles southeast | do. | Louis W. Peters | -- | -- | 1924 | 68 | 104 | 3 |
| e/263 | do. | do. | Frank Barta | Chas. Mahler | -- | 1916 | 69 | 98 | 3 |
| e/264 | 12 miles southeast | do. | W. G. J. Engelking | do. | -- | 1933 | 67 | 92 | 3 |

R. E. May, Project Superintendent

| No. | Height of measuring point above ground (ft.) | Water Level | | Pump and power b/ | Use of water c/ | Remarks |
|-----|--|-----------------------------------|---------------------|-------------------|-----------------|---|
| | | Depth below measuring point (ft.) | Date of measurement | | | |
| 233 | 1.2 | 52.7 | Jan. 28, 1937 | B,H | D,S | 64 feet galvanized iron casing at top set on rock. Tenant reported water in sand, 64 to 74 feet. Nearly fails in drought. |
| 234 | -- | 56.4 | do. | C,W,H | D,S | 98 feet steel casing at top. Screen at bottom. Owner reported water in gravel, 98 to 102 feet. |
| 236 | 1.2 | 20 | Jan. 8, 1937 | C,W | D,S | 54 feet steel casing at top. Screen at bottom. Owner reported water in sand, 54 to 65 feet. |
| 238 | 0.5 | 44.2 | Feb. 21, 1937 | B,H | D,S | 50 feet concrete pipe at top. Owner reported water in sand, 50 to 52 feet. |
| 239 | -- | 49.7 | Mar. 18, 1937 | C,W,H | D,S | Dug well. 70 feet wood casing at top. Water reported in sand, 69 to 74 feet. |
| 240 | 1 | 27.2 | do. | C,W,H | D,S | 47 foot wood casing at top, bottom 2 feet perforated. Owner reported water in sand. |
| 241 | 1 | 20.6 | do. | C,W,H | D,S | 42 feet galvanized iron casing at top. Screen at bottom. Owner reported water in sand, 42 to 47 feet. |
| 244 | 1 | 32.4 | Jan. 14, 1937 | C,W,H | D,S | 49 feet steel casing at top. Screen at bottom. Owner reported water in sand, 49 to 57 feet. |
| 246 | -- | 36 | Jan. 18, 1937 | C,W,H | D,S | 60 feet steel casing at top. Brass screen at bottom. Water reported in sand, 63 to 68 feet. |
| 248 | 1 | 41 | d/ | C,W,H | D,S | 82 feet galvanized iron casing at top. Screen at bottom. Owner reported water in sand, 82 to 87 feet. |
| 251 | -- | 48.6 | Jan. 18, 1937 | C,W | D,S | 88 feet steel casing at top. Screen at bottom. Owner reported water in sand, 88 to 92 feet. Well 54 feet deep nearby. |
| 252 | 2 | 26.7 | do. | C,W | D,S | 50 feet vitrified clay casing at top. Owner reported water in sand, 50 to 56 feet. |
| 253 | 1.4 | 31.7 | Dec. 18, 1936 | C,W | D,S | 58 feet galvanized iron casing. Screen at bottom. Owner reported water in sand, 55 to 62 feet. |
| 254 | -- | 29.4 | Jan. 19, 1937 | C,W,& G,3 | D,S,I | 52 feet casing. Screen at bottom. Water reported in sand, 52 to 63 feet. |
| 255 | 1 | 41 | d/ | C,W | D,S | 78 feet steel casing at top. Screen at bottom. Owner reported water in sand. |
| 257 | 0.4 | 51 | d/ | C,H | D,S,I | 93 feet steel casing at top. Screen at bottom. Owner reported water in sandy gravel, 92 to 98 feet. |
| 258 | 1 | 48.7 | Jan. 26, 1937 | C,W,H | D,S | 93 feet steel casing at top. Screen at bottom. Tenant reported water in gravel, 93 to 97 feet. |
| 259 | 1 | 46 | d/ | C,W,H | D,S | 96 feet steel casing at top. Screen at bottom. Owner reported water in gravel, 96 to 102 feet. |
| 260 | 0.4 | 46 | d/ | C,W,H | D,S | 94 feet steel casing at top. Screen at bottom. Tenant reported water in sandy gravel, 94 to 99 feet. |
| 261 | -- | 43 | d/ | C,W | D,S | Galvanized iron casing. Owner reported water in gravel, 90 to 96 feet. |
| 262 | 0.2 | 52 | d/ | C,W,H | D,S | 96 feet steel casing at top. Screen at bottom. Owner reported water in sand, 96 to 104 feet. |
| 263 | 0.7 | 43.0 | Jan. 21, 1937 | C,W,H | D,S | 94 feet steel casing at top. Screen at bottom. Owner reported water in gravel, 94 to 98 feet. |
| 264 | 0.2 | 43.5 | Jan. 20, 1937 | C,E,3 | D,S | 84 feet steel casing at top. Screen at bottom. Owner reported water in sand, 84 to 92 feet. |

Records of wells in Austin County--Continued

| No. | Distance from Sealy | Survey | Owner | Driller | Topographic situation | Date completed | Temperature (°F.) | Depth of well (ft.) | Diameter of well (in.) |
|-------|---------------------|-----------------------------|--------------------|-----------------|-----------------------|----------------|-------------------|---------------------|------------------------|
| e/265 | 12 miles southeast | Jacob Stevens | Wallis Water Works | Chas. Novosad | -- | 1922 | 67 | 125 | 3 |
| e/266 | 12½ miles southeast | David Shelby et al. | Henry Toellner | Chas. Boelman | -- | 1887 | 69 | 102 | 3 |
| e/267 | 14 miles southeast | do. | H. A. Crigar | -- | -- | 1915 | 69 | 109 | 3 |
| e/268 | 13 miles southeast | do. | Louis Sprain | -- | Bottoms | Old | 71 | 38 | 30 |
| e/269 | 11½ miles southeast | D.H. Milburn & Thomas Davis | Ellen Scrogan | Chas. Mahler | do. | 1922 | 68 | 87 | 3 |
| e/270 | 11 miles southeast | do. | C. H. Waddell | do. | do. | 1931 | 69 | 79 | 3 |
| e/271 | 9½ miles southeast | Stephen Richardson | J. W. Johnston | -- | -- | Old | -- | 48 | 36 |
| e/272 | 7 miles southeast | Robert H. Richardson | K. Zaruba | -- | -- | 1914 | 69 | 50 | 36 |
| e/273 | 8 miles southeast | John Little | Herman Habermacher | Chas. Mahler | Bottoms | 1925 | 70 | 83 | 4 |
| 274 | 4½ miles southeast | John P. Borden | Johana Zapolka | -- | -- | 1886 | 68 | 64 | 30 |
| 275 | 4½ miles southeast | do. | John Buchala, Sr. | -- | -- | 1905 | 68 | 90 | 36 |
| e/276 | 5½ miles east | Stephen F. Austin | Mike Belunck | Ferdinand Luchs | -- | 1934 | 67 | 62 | 12 |

a/ Measuring point was usually top of casing, top of pump base, or top of well curb.

b/ B, bucket; C, cylinder; E, electric; G, gasoline engine; H, hand; T, turbine; W, windmill; number indicates horsepower.

R. E. May, Project Superintendent

| No. | Height of measuring point above ground (ft.) a/ | Water Level | | Pump and power b/ | Use of water c/ | Remarks |
|-----|---|-----------------------------------|---------------------|-------------------------|-----------------|--|
| | | Depth below measuring point (ft.) | Date of measurement | | | |
| 265 | 0.3 | 40.5 | Jan. 20, 1937 | C,G, 2 $\frac{1}{2}$ | P | 121 feet steel casing at top. Screen at bottom. Water reported in sand, 121 to 125 |
| 266 | -- | 36.4 | do. | C,W,H | D,S | 98 feet steel casing at top. Screen [] feet. at bottom. Water reported in sandy gravel, 98 to 102 feet. Unused well 64 feet deep is located 50 feet east. |
| 267 | 0.5 | 53.5 | Jan. 21, 1937 | C,T,H | D,S | 101 feet steel casing at top. Screen at bottom. Owner reported water in gravel, 101 to |
| 268 | 0.8 | 22.5 | Dec. 12, 1936 | B,H | D,S | Dug well. 32 feet vitrified clay [] 110 feet. casing at top. Sand trap at bottom. Water reported in sand, 32 to 40 feet. |
| 269 | 1.7 | 52 | d/ | C,W,H | D,S | 83 feet galvanized iron casing at top. Screen at bottom. Tenant reported water in sand, 82 to 88 feet. |
| 270 | 1 | 50 | d/ | C,H | S | 75 feet steel casing at top. Screen at bottom. Owner reported water in sand, 74 to 80 |
| 271 | -- | 23.7 | Dec. 16, 1936 | B,H | S | Dug well. Stone casing. Owner re- [] feet. ported water in sand. |
| 272 | 1.3 | 28.4 | Dec. 17, 1936 | C,H | D,S | Dug well. 46 feet concrete casing at top. Owner reported water in sand, 44 to 50 feet. |
| 273 | 2 | 62 | d/ | C,T | D,S | 79 feet steel casing at top. Screen at bottom. Owner reported water in sandy gravel, |
| 274 | 0.2 | 42 | d/ | C,W,H | D,S | Dug well. 60 feet vitrified [] 78 to 85 feet. clay casing at top. Owner reported water in |
| 275 | -- | 68.9 | Mar. 24, 1937 | C,G,- | D,S, Ind | Dug well. 88 feet [] sand, 60 to 65 feet. brick casing, square, at top. Water reported in sand, 88 to 96 feet. |
| 276 | -- | 46.4 | do. | C,W,H | D,S | Dug well; 60 feet concrete casing at top. Water reported in sand, 60 to 63 feet. |

c/ D, domestic; I, irrigation; Ind, industrial; P, public; S, stock; N, not used.

d/ Water level reported.

e/ No water sample collected for analysis.

Table of Drillers' Logs, Austin County, Texas

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Driller's log of Well 5</u> | | |
| M. L. Fitzsimmons, F. W. Schuereberg Estate #1. 15 miles northwest of Bellville. | | |
| Surface materials- | 10 | 10 |
| White sandy clay- | 11 | 21 |
| Water sand- | 16 | 37 |
| Hard sandy lime- | 15 | 52 |
| White, gray, and red sandy shale- | 29 | 81 |
| Hard packed sand, water- | 23 | 104 |
| Shale and lime rock- | 45 | 149 |
| Shale and boulders- | 10 | 159 |
| Shale- | 15 | 174 |
| Blue sand rock- | 1 | 175 |
| Blue gumbo- | 6 | 181 |
| Porous broken lime- | 6 | 187 |
| Water sand- | 6 | 193 |
| Shale and boulders- | 8 | 201 |
| Hard sand rock- | 1 | 202 |
| Blue heaving shale- | 45 | 247 |
| Blue gumbo- | 12 | 259 |
| Sand rock- | 12 | 271 |
| Shale- | 8 | 279 |
| Sand rock- | 2 | 281 |
| Shale and boulders- | 63 | 344 |
| Hard sand rock- | 1 | 345 |
| Hard lime rock- | 35 | 380 |
| Shale- | 20 | 400 |
| Shale with lime streaks- | 119 | 519 |
| Shale and boulders- | 101 | 620 |
| Hard shale with lime streaks- | 53 | 673 |
| Gumbo with shale streaks- | 61 | 734 |
| Sand, water- | 7 | 741 |
| Shale and boulders- | 60 | 801 |
| Hard shale with lime streaks- | 39 | 840 |
| Gumbo- | 6 | 846 |
| Hard shale and lignite- | 24 | 870 |
| Hard black rock- | 2 | 872 |
| Gumbo- | 4 | 876 |
| Sand, flowing sulphur water- | 11 | 887 |
| Sandy shale with lime streaks- | 45 | 932 |
| Hard gumbo- | 30 | 962 |
| Brown shale- | 6 | 968 |
| Brown gumbo- | 15 | 983 |
| Shale and streaks of gumbo- | 54 | 1037 |
| Lime rock- | 2 | 1039 |
| Hard gumbo, shale, and streaks of lime- | 73 | 1112 |
| Hard lime rock- | 6 | 1118 |
| Shale and gumbo- | 13 | 1131 |
| Sand- | 9 | 1140 |
| Lime and hard gumbo- | 26 | 1166 |
| Rock and sand- | 4 | 1170 |
| Black sooty gumbo- | 10 | 1180 |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Driller's log of Well 5--Continued</u> | | |
| Sand rock- | 2 | 1182 |
| Hard shale and gumbo- | 28 | 1210 |
| Hard lime rock- | 2 | 1212 |
| Shale and boulders- | 4 | 1216 |
| Hard lime rock- | 4 | 1220 |
| Hard lime and gumbo streaks- | 11 | 1231 |
| Hard rock, streaks of lime, sand, and pyrite- | 12 | 1243 |
| Shale- | 3 | 1246 |
| Hard sand, lime, and pyrite- | 10 | 1256 |
| Gumbo- | 4 | 1260 |
| Lime rock- | 4 | 1264 |
| Gumbo- | 35 | 1299 |
| Lime rock and pyrite- | 2 | 1301 |
| Blue gumbo- | 17 | 1318 |
| Lime and pyrite- | 1 | 1319 |
| Gumbo- | 4 | 1323 |
| Lime and pyrite- | 1 | 1324 |
| Gumbo- | 6 | 1330 |
| Lime and pyrite- | 1 | 1331 |
| Gumbo- | 17 | 1348 |
| Shale and boulders- | 16 | 1364 |
| Gumbo- | 10 | 1374 |
| Crystalliferous lime- | 51 | 1425 |
| Anhydrite- | 677 | 2102 |
| Salt- | | 2102 |
| TOTAL DEPTH- | | 2102 |

| <u>Driller's log of well 14</u> | | |
|--|----|-----|
| Melloy-Knolle Oil Co., Chas. F. Knolle #2. 15 miles west of Bellville. | | |
| Clay- | 40 | 40 |
| Red shale and sand- | 20 | 60 |
| Water sand- | 23 | 83 |
| Rock- | 7 | 90 |
| Red gumbo- | 17 | 107 |
| Shale and sand- | 10 | 127 |
| Tight gumbo- | 13 | 140 |
| Sand rock- | 2 | 142 |
| Gumbo- | 58 | 200 |
| Red water sand- | 12 | 212 |
| Gumbo- | 26 | 238 |
| Hard sand rock- | 2 | 240 |
| Blue shale- | 40 | 280 |
| Gumbo- | 21 | 301 |
| Sand and boulders- | 11 | 312 |
| Hard gumbo- | 15 | 327 |
| Broken shale and sand- | 14 | 341 |
| Gumbo- | 8 | 349 |
| Sand rock- | 3 | 352 |
| Tight blue gumbo- | 48 | 400 |
| Blue shale- | 27 | 427 |
| Gumbo- | 76 | 503 |

(Continued on next page)

Table of Drillers' Logs, Austin County--Continued

| | Thickness (feet) | Depth (feet) |
|-------------------------------------|---------------------|-----------------|
| Driller's log of Well 14--Continued | | |
| Hard sand- | 16 | 519 |
| Gumbo- | 18 | 537 |
| Hard lime rock- | 2 | 539 |
| Gumbo- | 72 | 611 |
| Porous sand rock- | 14 | 625 |
| Sandy shale- | 37 | 662 |
| Gumbo and boulders- | 50 | 712 |
| Lime and gumbo- | 51 | 763 |
| Gumbo- | 17 | 780 |
| Sand and shale- | 20 | 800 |
| Hard gumbo- | 64 | 864 |
| Rock- | 32 | 896 |
| Gumbo- | 11 | 907 |
| Shale- | 95 | 1002 |
| Gumbo- | 41 | 1043 |
| Shale- | 18 | 1061 |
| Hard sand rock- | 5 | 1066 |
| Gumbo- | 15 | 1081 |
| Shale- | 23 | 1103 |
| Gumbo- | 93 | 1196 |
| Shale- | 3 | 1199 |
| Gumbo- | 27 | 1226 |
| Sand, shale, and boulders- | 9 | 1235 |
| Gumbo- | 103 | 1343 |
| Shale- | 9 | 1352 |
| Gumbo- | 153 | 1504 |
| TOTAL DEPTH- | | 1504 |

| | Thickness (feet) | Depth (feet) |
|-------------------------------------|---------------------|-----------------|
| Driller's log of Well 23--Continued | | |
| Broken rock- | 20 | 1550 |
| Hard sand and shale- | 40 | 1590 |
| Shale and lime shells- | 110 | 1700 |
| Sticky shale- | 144 | 1844 |
| Sand- | 12 | 1856 |
| Shale and boulders- | 57 | 1913 |
| Hard shale- | 15 | 1928 |
| Sticky shale- | 60 | 1988 |
| Hard lime- | 4 | 1992 |
| Sticky shale and lime- | 114 | 2106 |
| Hard shale and lime shells- | 66 | 2172 |
| Sticky shale and bould- ers- | 214 | 2386 |
| Sticky shale and lime- | 86 | 2472 |
| Hard shale and shell- | 22 | 2494 |
| Sand and shale- | 36 | 2530 |
| Sticky shale with lime streaks- | 100 | 2630 |
| Sticky shale and lime- | 40 | 2670 |
| Hard shale- | 30 | 2700 |
| TOTAL DEPTH- | | 4010 |

Driller's log of well 65
G. C. & S. F. R. R. Co., 1 3/4 miles south-
east of Bellville.

| | | |
|--------------------|----|-----|
| Blue joint clay- | 16 | 16 |
| White water sand- | 31 | 47 |
| Clay- | 2 | 49 |
| Coarse white sand- | 40 | 89 |
| Clay- | 10 | 99 |
| Coarse white sand- | 20 | 119 |
| Clay- | 25 | 144 |
| Gumbo- | 6 | 150 |
| Sandstone- | 1 | 151 |
| Clay- | 7 | 158 |
| Fine sand- | 3 | 161 |
| Sandstone- | 4 | 165 |
| Fine sand- | 5 | 170 |
| Sandstone- | 6 | 176 |
| Clay- | 5 | 181 |
| Hard rock- | 1 | 182 |
| Fine sand- | 10 | 192 |
| Sandstone- | 1 | 193 |
| Gumbo- | 6 | 199 |
| Rock- | 2 | 201 |
| Gumbo- | 2 | 203 |
| Rock- | 4 | 207 |
| Gumbo- | 5 | 212 |
| Rock- | 2 | 214 |
| Hard shale- | 26 | 240 |
| Tough gumbo- | 10 | 250 |
| Rock- | 2 | 252 |
| Gumbo- | 1 | 253 |
| Rock- | 6 | 259 |

Driller's log of well 23
Arkansas Fuel Oil Co., H. W. Poschell
#1. 8 miles west of Bellville.

| | | |
|------------------------|-----|------|
| Surface materials- | 54 | 54 |
| Broken rock and shale- | 30 | 74 |
| Sand- | 12 | 86 |
| Shale and shell rock- | 85 | 171 |
| Sand and gravel- | 91 | 262 |
| Water sand- | 28 | 290 |
| Sticky shale- | 17 | 307 |
| Shale- | 48 | 355 |
| Sand and gravel- | 195 | 550 |
| Shale and shells- | 305 | 855 |
| Shale and boulders- | 20 | 875 |
| Broken rock- | 40 | 915 |
| Sand and shale- | 20 | 935 |
| Sticky shale- | 65 | 1000 |
| Shale and shells- | 118 | 1118 |
| Boulders and shells- | 92 | 1210 |
| Sticky shale- | 30 | 1230 |
| Shale and boulders- | 90 | 1320 |
| Sticky shale- | 40 | 1360 |
| Shale and boulders- | 39 | 1399 |
| Sticky shale and lime- | 62 | 1461 |
| Hard shale- | 4 | 1465 |
| Sand and shale- | 40 | 1505 |
| Sticky shale- | 25 | 1530 |

Table of Drillers' Logs, Austin County--Continued

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Driller's log of well 65--continued</u> | | |
| Gumbo- | 32 | 291 |
| Rock- | 2 | 293 |
| Hard sand- | 3 | 296 |
| Rock- | 7 | 303 |
| Fine hard sand- | 11 | 314 |
| Gumbo- | 6 | 320 |
| Rock- | 1 | 321 |
| Sand- | 3 | 324 |
| Hard rock- | 1 | 325 |
| Tough gumbo- | 7 | 332 |
| Hard rock- | 2 | 334 |
| Shale- | 1 | 335 |
| Hard rock- | 2 | 337 |
| Sticky shale- | 17 | 354 |
| Tough gumbo- | 19 | 373 |
| Rock- | 9 | 382 |
| Sand- | 2 | 384 |
| Rock- | 9 | 393 |
| Tough gumbo- | 20 | 413 |
| Rock- | 1 | 414 |
| Packed sand and rock- | 6 | 420 |
| Hard packed sand- | 21 | 441 |
| Tough gumbo- | 11 | 452 |
| Packed sand- | 17 | 469 |
| Shale streaked with gumbo- | 131 | 650 |
| Rock- | 1 | 651 |
| Hard shale- | 16 | 667 |
| Rock- | 5 | 672 |
| Gumbo- | 16 | 688 |
| Rock- | 1 | 689 |
| Hard sand and rock- | 9 | 698 |
| Coarse sand, water- | 37 | 735 |
| Gumbo- | | 735 |
| TOTAL DEPTH- | | 735 |

| <u>Driller's log of well 97</u> | | |
|---|----|-----|
| J. W. Jackson, City of Bellville. At Bellville. | | |
| Clay- | 40 | 40 |
| Sand- | 8 | 48 |
| Tough clay- | 42 | 90 |
| Hard sand- | 16 | 106 |
| Tough clay- | 9 | 115 |
| Shale- | 23 | 138 |
| Clay- | 40 | 178 |
| Lime rock- | 36 | 214 |
| Gumbo and boulders- | 12 | 226 |
| Gumbo- | 34 | 260 |
| Rock- | 3 | 263 |
| Gumbo- | 73 | 336 |
| Hard sand- | 5 | 341 |
| Loose sand- | 4 | 345 |
| Rock- | 13 | 358 |
| Sand- | 6 | 364 |
| Gumbo- | 7 | 371 |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Driller's log of well 97--continued</u> | | |
| Rock- | 5 | 376 |
| Hard shale- | 9 | 385 |
| Lime rock- | 5 | 390 |
| Tough shale- | 14 | 404 |
| Gumbo- | 33 | 437 |
| Sand- | 13 | 450 |
| Gumbo- | 24 | 474 |
| Sand and gravel- | 22 | 496 |
| Gumbo- | 34 | 530 |
| Hard shale- | 28 | 558 |
| Gumbo- | 25 | 583 |
| Hard shale- | 19 | 602 |
| Gumbo- | 4 | 606 |
| Sandy shale- | 22 | 628 |
| Tough shale- | 10 | 638 |
| Lime rock- | 4 | 642 |
| Tough shale- | 28 | 670 |
| Sand rock- | 6 | 676 |
| Hard sand- | 8 | 684 |
| Sand rock- | 5 | 689 |
| Gumbo- | 6 | 695 |
| Water sand- | 65 | 760 |
| Sandy shale- | 17 | 777 |
| Gumbo- | 23 | 800 |
| Sandy shale- | 21 | 821 |
| Gumbo and shale- | 19 | 840 |
| Hard shale- | 28 | 868 |
| Rock- | 3 | 871 |
| Gumbo- | 54 | 925 |
| Hard shale- | 21 | 946 |
| Tough shale- | 18 | 964 |
| Hard shale- | 31 | 995 |
| Tough shale- | 41 | 1036 |
| Gumbo- | 14 | 1050 |
| Tough shale- | 62 | 1112 |
| Gumbo- | 10 | 1122 |
| Tough shale- | 58 | 1180 |
| Limestone, gypsum, and sand- | 12 | 1192 |
| Tough shale- | 15 | 1207 |
| Crusty shale- | 5 | 1212 |
| Hard shale- | 58 | 1270 |
| Rock- | 30 | 1300 |
| Gumbo- | 73 | 1373 |
| Hard shale- | 81 | 1454 |
| Gumbo- | 49 | 1503 |
| Heavy shale- | 57 | 1560 |
| Gumbo- | 38 | 1598 |
| Tough hard shale- | 72 | 1670 |
| Gumbo- | 16 | 1686 |
| Tough shale- | 56 | 1742 |
| TOTAL DEPTH- | | 1742 |
| (This well, drilled for water, is reported to have been a dry hole.) | | |

Table of Drillers' Logs, Austin County--Continued

| | | Thickness (feet) | Depth (feet) |
|--|-----------|---------------------|-----------------|
| <u>Driller's log of well 98</u> | | | |
| J. W. Jackson, City of Bellville. | | | At |
| Bellville. | | | |
| Red sand- | - - - - - | 27 | 27 |
| Sand- | - - - - - | 32 | 59 |
| Sandy clay- | - - - - - | 9 | 68 |
| Sand- | - - - - - | 17 | 85 |
| Sandy clay- | - - - - - | 11 | 96 |
| Gumbo- | - - - - - | 92 | 188 |
| Rock- | - - - - - | 5 | 193 |
| Hard sand- | - - - - - | 16 | 209 |
| Rock- | - - - - - | 5 | 214 |
| Gumbo- | - - - - - | 63 | 277 |
| Rock- | - - - - - | 1 | 278 |
| Gumbo- | - - - - - | 54 | 332 |
| Sand- | - - - - - | 2 | 334 |
| Rock- | - - - - - | 5 | 339 |
| Sand- | - - - - - | 6 | 345 |
| Gumbo- | - - - - - | 14 | 359 |
| Rock- | - - - - - | 5 | 364 |
| Sand- | - - - - - | 13 | 382 |
| Gumbo- | - - - - - | 66 | 448 |
| Sandy shale- | - - - - - | 12 | 460 |
| Gumbo- | - - - - - | 28 | 488 |
| Water sand- | - - - - - | 20 | 508 |
| Sandy shale- | - - - - - | 6 | 514 |
| Gumbo- | - - - - - | 61 | 575 |
| Sandy shale- | - - - - - | 15 | 590 |
| Gumbo- | - - - - - | 91 | 681 |
| Sand- | - - - - - | 7 | 688 |
| Rock- | - - - - - | 2 | 690 |
| Water sand- | - - - - - | 21 | 711 |
| Gumbo- | - - - - - | 9 | 720 |
| Hard water sand- | - - - - - | 40 | 760 |
| Sand and blue gumbo- | - - - - - | 26 | 786 |
| TOTAL DEPTH- | - - - - - | | 786 |
| CASING RECORD: 740 feet of 10-inch casing and screen; back pressure valve on bottom. | | | |

| | | Thickness (feet) | Depth (feet) |
|---|-------|---------------------|-----------------|
| <u>Driller's log of well 136--continued</u> | | | |
| Gumbo and boulders- | - - - | 58 | 333 |
| Gumbo- | - - - | 36 | 419 |
| Sand, water- | - - - | 30 | 449 |
| Gumbo- | - - - | 25 | 474 |
| Lime- | - - - | 26 | 500 |
| Gumbo- | - - - | 10 | 510 |
| Sand, water- | - - - | 16 | 526 |
| Sand and gravel- | - - - | 15 | 541 |
| Gumbo- | - - - | 25 | 566 |
| Lime- | - - - | 30 | 596 |
| Gumbo- | - - - | 20 | 616 |
| Sand, water- | - - - | 15 | 631 |
| Sand and lime- | - - - | 26 | 657 |
| Gumbo and boulders- | - - - | 85 | 742 |
| Lime and boulders- | - - - | 25 | 767 |
| Gumbo- | - - - | 13 | 780 |
| Sand, water- | - - - | 28 | 808 |
| Lime- | - - - | 25 | 833 |
| Shale- | - - - | 12 | 845 |
| Gumbo- | - - - | 33 | 878 |
| Shale- | - - - | 25 | 903 |
| Gumbo- | - - - | 15 | 918 |
| Shale and lime- | - - - | 21 | 939 |
| Lime- | - - - | 4 | 943 |
| Gumbo- | - - - | 22 | 965 |
| Shale- | - - - | 20 | 985 |
| Lime- | - - - | 48 | 1033 |
| Shale and lime- | - - - | 25 | 1058 |
| Gumbo- | - - - | 28 | 1086 |
| Lime- | - - - | 17 | 1103 |
| Sand and lime- | - - - | 2 | 1105 |
| Sandy lime- | - - - | 8 | 1113 |
| Lime rock- | - - - | 3 | 1116 |
| Gumbo- | - - - | 14 | 1130 |
| Sandy lime- | - - - | 6 | 1136 |
| Lime and boulders- | - - - | 22 | 1158 |
| Shale and lime- | - - - | 15 | 1173 |
| Gumbo- | - - - | 10 | 1183 |
| Shale- | - - - | 17 | 1200 |
| Shale and lime- | - - - | 45 | 1245 |
| Gumbo- | - - - | 25 | 1270 |
| Shale- | - - - | 10 | 1280 |
| Sand- | - - - | 12 | 1292 |
| Gumbo- | - - - | 12 | 1304 |
| Sand and gravel- | - - - | 5 | 1309 |
| Lime and boulders- | - - - | 9 | 1318 |
| Lime- | - - - | 24 | 1342 |
| Gumbo- | - - - | 14 | 1356 |
| Sand and shale- | - - - | 18 | 1374 |
| Gumbo- | - - - | 25 | 1399 |
| Shale- | - - - | 14 | 1413 |
| Sandy shale- | - - - | 10 | 1423 |
| Shale- | - - - | 5 | 1428 |
| Lime and boulders- | - - - | 25 | 1453 |
| Gumbo- | - - - | 50 | 1503 |

| | | Thickness (feet) | Depth (feet) |
|---------------------------------------|-----------|---------------------|-----------------|
| <u>Driller's log of well 136</u> | | | |
| Deering & Keyser, P. A. McClinton #1. | | | |
| 7 miles northeast of Bellville. | | | |
| Sand and clay- | - - - - - | 40 | 40 |
| Sand and clay, water- | - - - - - | 40 | 80 |
| Sand, water- | - - - - - | 30 | 110 |
| Clay- | - - - - - | 10 | 120 |
| Sand and boulders- | - - - - - | 26 | 146 |
| Gumbo and boulders- | - - - - - | 28 | 174 |
| Clay and boulders- | - - - - - | 39 | 213 |
| Rock- | - - - - - | 2 | 215 |
| Clay- | - - - - - | 6 | 221 |
| Clay and boulders | - - - - - | 15 | 236 |
| Gumbo- | - - - - - | 20 | 256 |
| Rock- | - - - - - | 2 | 258 |
| Clay and boulders- | - - - - - | 67 | 325 |

(continued on next page)

Table of Drillers' Logs, Austin County--Continued

| | Thickness (feet) | Depth (feet) |
|--------------------------------------|---------------------|-----------------|
| Driller's log of well 136--continued | | |
| Sandy shale- - - - - | 21 | 1524 |
| Lime- - - - - | 14 | 1538 |
| Gumbo- - - - - | 26 | 1564 |
| Lime rock- - - - - | 7 | 1571 |
| Gumbo- - - - - | 20 | 1591 |
| Sandy shale- - - - - | 14 | 1605 |
| Shale- - - - - | 20 | 1625 |
| Gumbo- - - - - | 15 | 1640 |
| Shale- - - - - | 14 | 1654 |
| Gumbo- - - - - | 12 | 1666 |
| Sandy shale- - - - - | 20 | 1686 |
| Shale and lime- - - - - | 18 | 1704 |
| Gumbo- - - - - | 20 | 1724 |
| Shale and lime- - - - - | 35 | 1759 |
| Shale- - - - - | 18 | 1777 |
| Lime- - - - - | 17 | 1794 |
| Shale and lime- - - - - | 6 | 1800 |
| Sand and shale- - - - - | 25 | 1825 |
| Shale- - - - - | 35 | 1860 |
| Gumbo- - - - - | 15 | 1875 |
| Sandy shale- - - - - | 15 | 1890 |
| Shale- - - - - | 15 | 1905 |
| Gumbo- - - - - | 24 | 1929 |
| Shale- - - - - | 22 | 1951 |
| Gumbo- - - - - | 18 | 1969 |
| Sandy shale- - - - - | 19 | 1988 |
| Shale- - - - - | 16 | 2004 |
| Sandy lime- - - - - | 7 | 2011 |
| Lime- - - - - | 8 | 2019 |

| | Thickness (feet) | Depth (feet) |
|--------------------------------------|---------------------|-----------------|
| Driller's log of well 136--continued | | |
| Gumbo- - - - - | 21 | 2040 |
| Shale- - - - - | 20 | 2060 |
| TOTAL DEPTH- - - - - | | 4864 |

| Driller's log of well 228 | | |
|--|----|-----|
| Community Public Service Co. 14 miles northwest of Seely. | | |
| Surface materials- - - - - | 3 | 3 |
| Yellow clay- - - - - | 50 | 53 |
| Rock- - - - - | 17 | 70 |
| Sand- - - - - | 2 | 72 |
| Clay- - - - - | 18 | 90 |
| Sand- - - - - | 41 | 131 |
| Gumbo- - - - - | 6 | 137 |
| Sand- - - - - | 21 | 158 |
| Gumbo- - - - - | 40 | 198 |
| Sand- - - - - | 21 | 219 |
| Clay- - - - - | 24 | 243 |
| Sand, water- - - - - | 22 | 265 |
| Clay- - - - - | 10 | 275 |
| Sand, water- - - - - | 24 | 299 |
| Clay- - - - - | 5 | 304 |
| TOTAL DEPTH- - - - - | | 304 |
| CASING RECORD: 178 feet of 10-inch casing; 123 feet of 8-inch casing and screen; 8-inch nipple on bottom of 8-inch casing. | | |

Logs of test wells drilled by W. P. A. labor in Austin County, Texas
Samples examined and classified by R. E. May,
Project Superintendent.

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 20</u> | | |
| F. Frnka tract, A. J. Bell survey, 14 miles west of Bellville. | | |
| Surface materials- | 2 | 2 |
| Red clay- | 4 | 6 |
| Sand- | 3 | 9 |
| Sandy clay- | 2 | 11 |
| Water sand- | 3 | 14 |
| Struck water at 11 feet. | | |
| Water level, 9.2 feet below top of ground 2 hours after hole completed. | | |
| March 11, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 31</u> | | |
| Top of hill, T. Wering tract, Elizabeth M. Kuykendall Survey, 11 1/2 miles northwest of Bellville. | | |
| Black material- | 2 | 2 |
| Blue clay- | 2 | 4 |
| Chalk- | 6 | 10 |
| Yellow clay- | 3 | 13 |
| Chalk- | 4 | 17 |
| Rock- | | 17 |
| March 8, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 37</u> | | |
| G. Ludemeyer tract, James Cooper Survey, 11 miles northwest of Bellville. | | |
| Surface materials- | 1 | 1 |
| Red clay- | 5 | 6 |
| Light-colored sand- | 3 | 9 |
| Chalk- | 3 | 12 |
| Rock- | | 12 |
| March 9, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 39</u> | | |
| Side of hill, A. Herring tract, John W. Kenney Survey, 9 1/2 miles northwest of Bellville. | | |
| Sand- | 1 | 1 |
| Sandstone- | 3 | 4 |
| Water sand- | 3 | 7 |
| Struck water at 4 feet. | | |
| Water level, 2 feet below top of ground, 1/2 hour after hole completed. | | |
| January 19, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 41</u> | | |
| Gus C. Gaskam tract, John W. Kenney Survey, 8 1/2 miles northwest of Bellville. | | |
| Black materials- | 4 | 4 |
| Blue gumbo- | 5 | 9 |
| Yellow clay- | 5 | 14 |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 41 continued</u> | | |
| Coarse-grained sand- | 8 | 32 |
| Red clay- | 4 | 26 |
| Clay and sand- | 8 | 34 |
| Water sand- | 5 | 39 |
| Struck water at 34 feet. | | |
| Water level, 31 feet below top of ground, 1/4 hour after hole completed. | | |
| March 4, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 43</u> | | |
| Charles F. Pfeffer tract, John W. Kenney Survey, 8 miles northwest of Bellville. | | |
| Loose sand- | 6 | 6 |
| Quicksand- | 3 | 9 |
| January 18, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 45</u> | | |
| Side of hill, I. J. Kachele tract, John W. Kenney Survey, 7 1/2 miles northwest of Bellville. | | |
| Surface materials- | 4 | 4 |
| Clay- | 7 | 11 |
| Coarse-grained red sand- | 7 | 18 |
| Gumbo- | 8 | 26 |
| Chalk- | 3 | 29 |
| Yellow clay- | 6 | 35 |
| Sand- | 4 | 39 |
| Sand and clay- | 6 | 45 |
| Rock- | | 45 |
| March 4, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 49</u> | | |
| H. W. Loesch tract, John Fitzgibbens Survey, 6 miles northwest of Bellville. | | |
| Sandy materials- | 3 | 3 |
| Red clay- | 4 | 7 |
| Red sandstone- | 3 | 10 |
| Rock- | | 10 |
| January 13, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 51</u> | | |
| Post oak thicket, Austin County State Bank tract, John Fitzgibbens Survey, 3 3/4 miles northwest of Bellville. | | |
| Sandy materials- | 4 | 4 |
| Coarse-grained red sand- | 5 | 9 |
| Red clay and sand- | 10 | 19 |
| Blue clay- | 2 | 21 |
| Red clay- | 8 | 29 |
| Water sand- | 4 | 33 |
| Struck water at 29 feet. | | |
| Water level, 26 feet below top of ground, 7 hours after hole completed. | | |
| January 13, 1937. | | |

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

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 53</u> | | |
| Post oak thicket, Wash Stokes tract, Richard Graham Survey, 2 $\frac{1}{4}$ miles north- west of Bellville. | | |
| Sand- - - - - | 2 | 2 |
| Yellow sand- - - - - | 4 | 6 |
| Red and yellow sand- - - - - | 3 | 9 |
| Red clay- - - - - | 7 | 16 |
| White sand- - - - - | 3 | 19 |
| Red clay- - - - - | 9 | 28 |
| Coarse-grained yellow sand- - - - - | 8 | 36 |
| Blue clay- - - - - | 3 | 39 |
| Water sand- - - - - | 2 | 41 |
| Struck water at 39 feet. | | |
| Water level, 37 feet below top of ground, 4 hours after hole completed. | | |
| January 12, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 60</u> | | |
| Side of hill, Fred Palm tract, James Cummins' Hacienda survey, 5 miles south of Bellville. | | |
| Black materials- - - - - | 3 | 3 |
| Yellow clay- - - - - | 4 | 7 |
| Red clay- - - - - | 5 | 12 |
| Sand- - - - - | 6 | 18 |
| Clay and sand- - - - - | 4 | 22 |
| Rock- - - - - | 2 | 24 |
| Blue clay- - - - - | 7 | 31 |
| Sand and clay- - - - - | 4 | 35 |
| Sand- - - - - | 7 | 42 |
| Yellow gumbo- - - - - | 6 | 48 |
| Red clay- - - - - | 4 | 52 |
| Water sand- - - - - | 5 | 57 |
| Struck water at 53 feet. | | |
| Water level, 49 feet below top of ground, 2 hours after hole completed. | | |
| February 4, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 64</u> | | |
| G. C. & S. F. R.R. Co. yards, James Cummins' Hacienda survey, 1 $\frac{1}{2}$ miles south of Bellville. | | |
| Yellow sand- - - - - | 1 | 1 |
| Iron ore and sand- - - - - | 1 | 2 |
| Iron ore- - - - - | 1 | 3 |
| Red clay- - - - - | 1 | 4 |
| Yellow clay- - - - - | 2 | 6 |
| Yellow clay and sand- - - - - | 5 | 11 |
| Red clay and sand- - - - - | 4 | 15 |
| Yellow clay and sand- - - - - | 2 | 17 |
| Coarse-grained sand and pea- sized gravel- - - - - | 4 | 21 |
| Gravel and sand- - - - - | 2 | 23 |
| Blue clay- - - - - | 3 | 26 |
| Yellow clay- - - - - | 7 | 33 |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 64 continued</u> | | |
| Red sand- - - - - | 6 | 39 |
| Water sand- - - - - | 4 | 43 |
| Struck water at 39 feet. | | |
| Water level, 36 feet below top of ground, 2 hours after hole completed. | | |
| December 10, 1936. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 66</u> | | |
| G. C. & S. F. R.R. Co. tract, James Cummins' Hacienda survey, 2 miles southeast of Bellville. | | |
| Clay and sand- - - - - | 5 | 5 |
| Yellow clay- - - - - | 7 | 12 |
| Coarse-grained sand- - - - - | 6 | 18 |
| Gumbo- - - - - | 9 | 27 |
| Red clay and sand- - - - - | 6 | 33 |
| Coarse-grained sand- - - - - | 7 | 40 |
| Yellow clay- - - - - | 9 | 49 |
| Chalk- - - - - | 3 | 52 |
| Gumbo- - - - - | 5 | 57 |
| Rock- - - - - | | 57 |
| February 25, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 67</u> | | |
| L. A. Machemehl tract, James Cummins' Hacienda survey, 2 $\frac{1}{4}$ miles south of Bellville. | | |
| Gumbo- - - - - | 2 | 2 |
| Yellow clay- - - - - | 2 | 4 |
| Course sand- - - - - | 3 | 7 |
| Chalk- - - - - | 2 | 9 |
| Coarse-grained sand- - - - - | 3 | 12 |
| Clay and chalk- - - - - | 5 | 17 |
| Yellow clay- - - - - | 4 | 21 |
| Red clay- - - - - | 2 | 23 |
| Coarse-grained sand- - - - - | 3 | 26 |
| Blue clay- - - - - | 9 | 35 |
| Water sand- - - - - | 3 | 38 |
| Struck water at 35 feet. | | |
| Water level, 33 feet below top of ground, 3 hours after hole completed. | | |
| December 11, 1936. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 68</u> | | |
| August Timme tract, James Cummins' Hacienda survey, 3 $\frac{1}{2}$ miles southeast of Bellville. | | |
| Black gumbo- - - - - | 3 | 3 |
| Yellow clay- - - - - | 2 | 5 |
| White clay- - - - - | 4 | 9 |
| Yellow clay- - - - - | 7 | 16 |
| Coarse-grained sand- - - - - | 2 | 18 |
| Yellow clay- - - - - | 4 | 22 |
| Quicksand, water- - - - - | 6 | 28 |

(Continued on next page)

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

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 68 continued</u> | | |
| Water level, 22 feet below top of ground, 24 hours after hole completed. December 12, 1936. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 70</u> | | |
| Otto Abel tract, James Cummins' Hacienda survey, 4 $\frac{1}{2}$ miles southeast of Bellville. | | |
| White sand- | 3 | 3 |
| Yellow clay and sand- | 2 | 5 |
| Yellow clay- | 3 | 8 |
| Coarse-grained sand- | 2 | 10 |
| Yellow clay- | 3 | 13 |
| Quicksand- | 1 | 14 |
| Water sand- | 2 | 16 |
| Struck water at 14 feet. | | |
| Water level, 14 feet below top of ground, 2 hours after hole completed. December 12, 1936. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 71</u> | | |
| August Neimez tract, James Cummins' Hacienda survey, 5 $\frac{1}{2}$ miles southeast of Bellville. | | |
| White sand- | 1 | 1 |
| Yellow clay and sand- | 3 | 4 |
| Yellow clay- | 4 | 8 |
| Coarse-grained sand- | 2 | 10 |
| Red clay- | 3 | 13 |
| Clay and sand- | 1 | 14 |
| Water sand- | 2 | 16 |
| Struck water at 14 feet. | | |
| Water level, 13 feet below top of ground, 1 hour after hole completed. December 12, 1936. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 72</u> | | |
| Mex Regenbreecht tract, James Cummins' Hacienda survey, 6 miles southeast of Bellville. | | |
| Black gumbo- | 3 | 3 |
| Yellow clay- | 4 | 7 |
| Red and yellow clay- | 5 | 12 |
| Coarse-grained yellow sand- | 4 | 16 |
| Light-colored clay- | 5 | 21 |
| Clay and sand- | 4 | 25 |
| Soft limestone- | 5 | 30 |
| Yellow clay- | 4 | 34 |
| Red clay- | 3 | 37 |
| Coarse-grained sand- | 2 | 39 |
| Blue clay- | 6 | 45 |
| Blue clay and sand- | 3 | 48 |
| Water sand- | 5 | 53 |
| Struck water at 48 feet. | | |
| Water level, 41 feet below top of ground, 1 hour after hole completed. December 14, 1936. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 73</u> | | |
| Henry Schubert tract, James Cummins' Hacienda survey, 7 miles southeast of Bellville. | | |
| Sand- | 2 | 2 |
| Iron ore- | 3 | 5 |
| Yellow clay- | 3 | 8 |
| Yellow clay and sand- | 4 | 12 |
| Water sand- | 3 | 15 |
| Struck water at 12 feet. | | |
| Water level, 10 feet below top of ground, 3 hours after hole completed. December 15, 1936. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 75</u> | | |
| E. Grube tract, James Cummins' Hacienda survey, 3 $\frac{1}{4}$ miles southeast of Bellville. | | |
| Sandy materials- | 5 | 5 |
| Yellow and red clay- | 16 | 21 |
| Coarse-grained sand- | 9 | 30 |
| Blue clay- | 6 | 36 |
| Coarse-grained sand- | 5 | 41 |
| Red clay- | 7 | 48 |
| Blue gumbo- | 12 | 60 |
| Sand- | 4 | 64 |
| Water sand- | 6 | 70 |
| Struck water at 64 feet. | | |
| Water level, 61 feet below top of ground, $\frac{1}{2}$ hour after hole completed. February 23, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 81</u> | | |
| Otto Teichmann tract, James Cummins' Hacienda survey, 7 $\frac{1}{2}$ miles southeast of Bellville. | | |
| Surface materials- | 3 | 3 |
| Yellow clay- | 4 | 7 |
| Red clay- | 4 | 11 |
| Rock- | | 11 |
| February 16, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 83</u> | | |
| Julius Brune tract, James Cummins' Hacienda survey, 8 miles southeast of Bellville. | | |
| Black gumbo- | 14 | 14 |
| Blue gumbo- | 4 | 18 |
| Yellow clay- | 6 | 24 |
| Chalk- | 2 | 26 |
| Red sand and yellow clay- | 2 | 28 |
| Clay and sand- | 4 | 32 |
| Sand- | 4 | 36 |
| Struck water at 32 feet. | | |
| Water level, 30 feet below top of ground, 4 hours after hole completed. February 19, 1937. | | |

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

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 90</u> | | |
| Herman Krueger tract, Phillip Howard survey, 7 miles southeast of Bellville. | | |
| Sandy materials- - - - - | 2 | 2 |
| Yellow clay- - - - - | 6 | 8 |
| Sand- - - - - | 4 | 12 |
| Clay- - - - - | 5 | 17 |
| Chalk- - - - - | 2 | 19 |
| Red clay- - - - - | 6 | 25 |
| Red sand- - - - - | 4 | 29 |
| Yellow clay- - - - - | 6 | 35 |
| Rock- - - - - | 2 | 37 |
| February 16, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 101</u> | | |
| Max L. W. Reinecke tract, Arthur Lott survey, 4 $\frac{1}{4}$ miles north of Bellville. | | |
| Surface materials- - - - - | 3 | 3 |
| Yellow clay- - - - - | 2 | 5 |
| Coarse-grained sand- - - - - | 5 | 10 |
| Red clay- - - - - | 7 | 17 |
| Clay and sand- - - - - | 4 | 21 |
| Water sand- - - - - | 4 | 25 |
| Struck water at 21 feet. | | |
| Water level, 19 feet below top of ground, 2 hours after hole completed. | | |
| March 1, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 102</u> | | |
| Post oak thicket, John Campbell tract, Arthur Lott survey, 4 $\frac{3}{4}$ miles northwest of Bellville. | | |
| White sand- - - - - | 3 | 3 |
| Yellow sand- - - - - | 4 | 7 |
| White sand- - - - - | 2 | 9 |
| Red clay- - - - - | 9 | 18 |
| White sand- - - - - | 2 | 20 |
| Red clay- - - - - | 7 | 27 |
| Coarse-grained sand- - - - - | 11 | 38 |
| Clay- - - - - | 3 | 41 |
| Water sand- - - - - | 5 | 46 |
| Struck water at 41 feet. | | |
| Water level, 38 feet below top of ground, 2 hours after hole completed. | | |
| January 13, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 106</u> | | |
| J. Sturb tract, David Chandler survey, 7 $\frac{1}{2}$ miles northwest of Bellville. | | |
| Surface materials- - - - - | 3 | 3 |
| Red clay- - - - - | 4 | 7 |
| Sandstone- - - - - | 2 | 9 |
| Rock- - - - - | | 9 |
| January 18, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 110</u> | | |
| Robert Tesch tract, J. Hall survey, 10 miles northwest of Bellville. | | |
| Black gumbo- - - - - | 6 | 6 |
| Blue clay- - - - - | 2 | 8 |
| Yellow clay- - - - - | 4 | 12 |
| Chalk- - - - - | 2 | 14 |
| Rock- - - - - | | 14 |
| January 21, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 111</u> | | |
| Side of hill, Robert Tesch tract, J. Hall survey. | | |
| Black gumbo- - - - - | 6 | 6 |
| Blue clay- - - - - | 2 | 8 |
| Yellow clay- - - - - | 4 | 12 |
| Chalk- - - - - | 2 | 14 |
| Rock- - - - - | | 14 |
| January 19, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 112</u> | | |
| W. O. Weiss tract, Henry Matthews survey, 10 $\frac{1}{2}$ miles northwest of Bellville. | | |
| Black gumbo- - - - - | 3 | 3 |
| Blue clay- - - - - | 3 | 6 |
| Yellow clay- - - - - | 4 | 10 |
| Chalk- - - - - | 2 | 12 |
| Coarse-grained sand- - - - - | 3 | 15 |
| Water sand- - - - - | 4 | 19 |
| Struck water at 15 feet. | | |
| Water level, 14 feet below top of ground, 2 hours after hole completed. | | |
| January 20, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 120</u> | | |
| Wallas Kabesmeski tract, Amasca Ives survey, 6 $\frac{1}{2}$ miles northeast of Bellville. | | |
| Top soil- - - - - | 3 | 3 |
| Yellow clay- - - - - | 3 | 6 |
| Red clay- - - - - | 2 | 8 |
| Chalk- - - - - | 4 | 12 |
| Coarse-grained sand- - - - - | 18 | 30 |
| Clay- - - - - | 2 | 32 |
| Water sand- - - - - | 5 | 37 |
| Struck water at 32 feet. | | |
| Water level, 30 feet below top of ground, 24 hours after hole completed. | | |
| January 6, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 121</u> | | |
| Emil Brandt tract, Amasca Ives survey, 5 $\frac{1}{2}$ miles northeast of Bellville. | | |
| Black materials- - - - - | 3 | 3 |
| Red clay- - - - - | 2 | 5 |
| Yellow clay- - - - - | 6 | 11 |

(Continued on next page)

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

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 121 continued</u> | | |
| Blue clay- - - - - | 2 | 13 |
| Coarse-grained sand- - - - | 7 | 20 |
| Rock- - - - - | 1 | 21 |
| Water sand- - - - - | 3 | 24 |
| Struck water at 21 feet. | | |
| Water level, 20 feet below top of ground, 2 hours after hole completed. | | |
| January 5, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 128</u> | | |
| Ben Fisher tract, James P. Stephenson survey, 3 $\frac{1}{2}$ miles northeast of Bellville. | | |
| Black materials- - - - - | 4 | 4 |
| Red and yellow clay- - - - | 7 | 11 |
| Coarse-grained sand- - - - | 5 | 16 |
| Water sand- - - - - | 3 | 19 |
| Struck water at 16 feet. | | |
| Water level, 16 feet below top of ground, 2 hours after hole completed. | | |
| January 5, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 129</u> | | |
| Otto Lischka tract, James P. Stephenson survey, 3 miles northeast of Bellville. | | |
| Sandy materials- - - - - | 2 | 2 |
| Yellow clay- - - - - | 3 | 5 |
| Red clay- - - - - | 2 | 7 |
| Water sand- - - - - | 2 | 9 |
| Struck water at 7 feet. | | |
| Water level, 6 feet below top of ground, 1 hour after hole completed. | | |
| March 1, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 131</u> | | |
| Otto Fielder tract, James P. Stephenson survey, 2 $\frac{1}{2}$ miles east of Bellville. | | |
| Black materials- - - - - | 3 | 3 |
| Red clay- - - - - | 2 | 5 |
| Yellow clay- - - - - | 5 | 10 |
| Coarse-grained sand- - - - | 4 | 14 |
| Blue clay- - - - - | 3 | 17 |
| Water sand- - - - - | 4 | 21 |
| Struck water at 17 feet. | | |
| Water level, 16 feet below top of ground, 21 hours after hole completed. | | |
| January 4, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 133</u> | | |
| Fritz Raube tract, James P. Stephenson survey, 1 $\frac{1}{2}$ miles east of Bellville. | | |
| Surface materials- - - - - | 3 | 3 |
| Yellow clay- - - - - | 4 | 7 |
| Coarse-grained sand- - - - | 4 | 11 |
| Red clay- - - - - | 5 | 16 |
| Blue clay- - - - - | 1 | 17 |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 133 continued</u> | | |
| Water sand- - - - - | 3 | 20 |
| Struck water at 17 feet. | | |
| Water level, 17 feet below top of ground, 4 hours after hole completed. | | |
| January 4, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 151</u> | | |
| Charles A. Letimer tract, William Smothers survey, 9 miles northeast of Bellville. | | |
| Black materials- - - - - | 4 | 4 |
| Yellow clay- - - - - | 3 | 7 |
| Coarse-grained sand- - - - | 2 | 9 |
| Water sand- - - - - | 3 | 12 |
| Struck water at 9 feet. | | |
| Water level, 9 feet below top of ground, 2 hours after hole completed. | | |
| January 8, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 153</u> | | |
| Ollie Wilson tract, Mathew R. Williams survey, 7 $\frac{1}{2}$ miles northeast of Bellville. | | |
| Black materials- - - - - | 4 | 4 |
| Yellow clay- - - - - | 3 | 7 |
| Blue clay- - - - - | 5 | 12 |
| Yellow clay- - - - - | 3 | 15 |
| Quartz- - - - - | 1 | 16 |
| Red clay- - - - - | 9 | 25 |
| Yellow clay- - - - - | 6 | 31 |
| Coarse-grained sand- - - | 4 | 35 |
| Water sand- - - - - | 4 | 39 |
| Struck water at 35 feet. | | |
| Water level, 34 feet below top of ground, 3 hours after hole completed. | | |
| January 7, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 202</u> | | |
| School tract, Louis von Roeder survey, 11 miles west of Sealy. | | |
| Sandy materials- - - - - | 2 | 2 |
| Red clay- - - - - | 3 | 5 |
| Yellow clay- - - - - | 4 | 9 |
| Chalk- - - - - | 2 | 11 |
| Rock- - - - - | | 11 |
| March 10, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 212</u> | | |
| Fred L. Kyle tract, James Cummins' Hacienda survey, 5 $\frac{1}{2}$ miles north of Sealy. | | |
| Sand- - - - - | 2 | 2 |
| Yellow clay- - - - - | 3 | 5 |
| White clay and sand- - - | 3 | 8 |
| Clay- - - - - | 1 | 9 |
| Coarse-grained white sand- 3 | | 12 |

(Continued on next page.)

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

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 212 continued</u> | | |
| Red clay- - - - - | 5 | 17 |
| Yellow clay- - - - - | 5 | 22 |
| Water sand- - - - - | 3 | 25 |
| Struck water at 22 feet. | | |
| Water level, 20 feet below top of ground, 2 hours after hole completed. | | |
| December 15, 1936. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 215</u> | | |
| E. C. Steck tract, James Cummins' Hacienda survey, 4 1/4 miles north of Sealy. | | |
| Sandy materials- - - - - | 4 | 4 |
| Yellow clay- - - - - | 3 | 7 |
| Sand- - - - - | 3 | 10 |
| Struck water at 7 feet. | | |
| Water level, 7 feet below top of ground, 24 hours after hole completed. | | |
| February 17, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 216</u> | | |
| Anna Holt tract, H. & T. C. R.R. Co. survey, 4 miles north of Sealy. | | |
| Sand- - - - - | 2 | 2 |
| Clay- - - - - | 3 | 5 |
| Clay and sand- - - - - | 2 | 7 |
| Red clay- - - - - | 3 | 10 |
| Sand- - - - - | 2 | 12 |
| Struck water at 10 feet. | | |
| Water level, 9 feet below top of ground, 1/3 hour after hole completed. | | |
| February 18, 1937. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 217</u> | | |
| Mrs. Bettie Leeman tract, H. & T. C. R.R. Co. survey, 3 3/4 miles north of Sealy. | | |
| Yellow sand- - - - - | 2 | 2 |
| Iron ore- - - - - | 4 | 6 |
| Red sand- - - - - | 3 | 9 |
| Red clay- - - - - | 3 | 12 |
| Coarse-grained sand and clay- - - - - | 3 | 15 |
| Water sand- - - - - | 3 | 18 |
| Struck water at 15 feet. | | |
| Water level, 14 feet below top of ground, 2 hours after hole completed. | | |
| December 16, 1936. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 219</u> | | |
| William Stack tract, C. C. Allen survey, 3 miles north of Sealy. | | |
| White sand- - - - - | 2 | 2 |
| Yellow clay- - - - - | 3 | 5 |
| Red clay- - - - - | 6 | 11 |
| Red clay and sand- - - - - | 3 | 14 |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 219 continued</u> | | |
| Water sand- - - - - | 3 | 17 |
| Struck water at 14 feet. | | |
| Water level, 13 feet below top of ground, 4 hours after hole completed. | | |
| December 16, 1936. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 220</u> | | |
| Tom Watson tract, Stephen F. Austin survey, 2 1/4 miles north of Sealy. | | |
| White sand- - - - - | 2 | 2 |
| Yellow clay- - - - - | 5 | 7 |
| Red clay- - - - - | 5 | 12 |
| Yellow clay- - - - - | 3 | 15 |
| Water sand- - - - - | 3 | 18 |
| Struck water at 15 feet. | | |
| Water level, 13 feet below top of ground, 5 hours after hole completed. | | |
| December 16, 1936. | | |

| | Thickness (feet) | Depth (feet) |
|--|---------------------|-----------------|
| <u>Well 224</u> | | |
| Isaac Gifford tract, Isaac Gifford survey, 1 1/2 miles northwest of Sealy. | | |
| Yellow sand- - - - - | 2 | 2 |
| Red clay- - - - - | 4 | 6 |
| Yellow clay- - - - - | 3 | 9 |
| Yellow clay and sand- - - | 4 | 13 |
| Coarse-grained white sand- | 2 | 15 |
| Yellow clay- - - - - | 5 | 20 |
| Water sand- - - - - | 3 | 23 |
| Struck water at 20 feet. | | |
| Water level, 18 feet below top of ground, 2 hours after hole completed. | | |
| December 16, 1936. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 229</u> | | |
| J. W. Allen tract, San Felipe de Austin survey, 1/4 mile west of Sealy. | | |
| Fine-grained light-colored sand- - - - - | | |
| | 4 | 4 |
| Yellow clay- - - - - | 9 | 13 |
| Red clay- - - - - | 4 | 17 |
| Coarse-grained sand- - - | 3 | 20 |
| Yellow clay- - - - - | 6 | 26 |
| Yellow clay and sand- - | 4 | 30 |
| Water sand- - - - - | 3 | 33 |
| Struck water at 30 feet. | | |
| Water level, 28 feet below top of ground, 1 hour after hole completed. | | |
| December 16, 1936. | | |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 235</u> | | |
| C. Luhn tract, San Felipe de Austin survey, 1 1/2 miles south of Sealy. | | |
| Sand- - - - - | 4 | 4 |

(Continued on next page)

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

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 235 continued</u> | | |
| Yellow clay- - - - - | 4 | 8 |
| Yellow and red clay- - - - | 3 | 11 |
| Red clay- - - - - | 7 | 18 |
| Yellow clay- - - - - | 5 | 23 |
| Blue clay- - - - - | 3 | 26 |
| Coarse-grained sand- - - - | 2 | 28 |
| Water sand- - - - - | 4 | 32 |
| Struck water at 28 feet. | | |
| Water level, 27 feet below top of ground, 1 hour after hole completed. | | |
| December 17, 1936. | | |

| <u>Well 237</u> | | |
|--|---|----|
| Mary Reznleck tract, San Felipe de Austin survey, 2 $\frac{3}{4}$ miles south of Sealy. | | |
| Sand- - - - - | 3 | 3 |
| Yellow clay- - - - - | 2 | 5 |
| Red clay- - - - - | 2 | 7 |
| Sand and clay- - - - - | 1 | 8 |
| Water sand- - - - - | 3 | 11 |
| Struck water at 8 feet. | | |
| Water level, 7 feet below top of ground, 2 hours after hole completed. | | |
| December 17, 1936. | | |

| <u>Well 242</u> | | |
|---|---|----|
| Thomas Watson tract, H. & T. C. R.R. Co. survey, 3 $\frac{3}{4}$ miles south of Sealy. | | |
| Surface materials- - - - - | 3 | 3 |
| Yellow clay- - - - - | 4 | 7 |
| Red clay- - - - - | 3 | 10 |
| Water sand- - - - - | 2 | 12 |
| Struck water at 10 feet. | | |
| Water level, 10 feet below top of ground, 3 hours after hole completed. | | |
| December 17, 1936. | | |

| <u>Well 243</u> | | |
|---|---|----|
| Stephen Sebahlah tract, C. F. Machmehl survey, 4 $\frac{1}{2}$ miles south of Sealy. | | |
| Sandy materials- - - - - | 3 | 3 |
| Red clay- - - - - | 4 | 7 |
| Sand and yellow clay- - - | 5 | 12 |
| Blue clay- - - - - | 4 | 16 |
| Coarse-grained sand- - - - | 3 | 19 |
| Water sand- - - - - | 2 | 21 |
| Struck water at 19 feet. | | |
| Water level, 18 feet below top of ground, 2 hours after hole completed. | | |
| December 18, 1936. | | |

| <u>Well 245</u> | | |
|---|---|---|
| J. V. Wosnitsky tract, H. & T. C. R.R. Co. survey, 5 $\frac{1}{2}$ miles south of Sealy. | | |
| Sandy materials- - - - - | 4 | 4 |
| Red clay- - - - - | 4 | 8 |

| | Thickness (feet) | Depth (feet) |
|---|---------------------|-----------------|
| <u>Well 245 continued</u> | | |
| Yellow clay- - - - - | 3 | 11 |
| Coarse-grained sand- - - - | 7 | 18 |
| Blue clay- - - - - | 2 | 20 |
| Water sand- - - - - | 3 | 23 |
| Struck water at 20 feet. | | |
| Water level, 20 feet below top of ground, 1 hour after hole completed. | | |
| December 18, 1936. | | |

| <u>Well 247</u> | | |
|--|---|----|
| Charles Tomlinson tract, Miles N. Allen survey, 7 miles south of Sealy. | | |
| Surface materials- - - - - | 3 | 3 |
| Yellow clay- - - - - | 4 | 7 |
| Coarse-grained sand- - - - | 5 | 12 |
| Clay and chalk- - - - - | 3 | 15 |
| Yellow clay- - - - - | 2 | 17 |
| Red clay- - - - - | 3 | 20 |
| Coarse-grained sand- - - - | 8 | 28 |
| Yellow clay- - - - - | 5 | 33 |
| Water sand- - - - - | 5 | 38 |
| Struck water at 33 feet. | | |
| Water level, 32 feet below top of ground, 3 hours after hole completed. | | |
| December 18, 1936. | | |

| <u>Well 249</u> | | |
|--|---|----|
| Russell Benton tract, Adam Kuykendall survey, 8 miles south of Sealy. | | |
| Sandy materials- - - - - | 3 | 3 |
| Yellow clay- - - - - | 5 | 8 |
| Coarse-grained sand- - - - | 5 | 13 |
| Clay and chalk- - - - - | 2 | 15 |
| Red and yellow clay- - - - | 6 | 21 |
| Coarse-grained sand- - - - | 9 | 30 |
| Yellow clay- - - - - | 6 | 36 |
| Water sand- - - - - | 4 | 40 |
| Struck water at 36 feet. | | |
| Water level, 33 feet below top of ground, 2 hours after hole completed. | | |
| January 22, 1937. | | |

| <u>Well 250</u> | | |
|---|---|----|
| J. W. Johnston tract, J. Spence survey, 8 $\frac{1}{2}$ miles south of Sealy. | | |
| Surface materials- - - - - | 3 | 3 |
| Yellow clay- - - - - | 4 | 7 |
| Coarse-grained sand- - - - | 7 | 14 |
| Yellow clay- - - - - | 2 | 16 |
| Water sand- - - - - | 2 | 18 |
| Struck water at 16 feet. | | |
| Water level, 15 feet below top of ground, $\frac{1}{2}$ hour after hole completed. | | |
| Janu ry 26, 1937. | | |

Partial analyses of water from wells in Austin County, Texas

(Analyzed at the University of Texas under the direction of Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry; by J. E. Stulken, D. F. Riddell, H. T. Davidson, Floyd H. Ward, and F. G. Steer, Chemists; and J. A.

Harmaza, Martin Wieland, and Jack Ramsey, Assistant Chemists. Nitrate determined by E. W. Lohr, U. S.

Geological Survey. Results are in parts per million. Well numbers correspond to numbers in table of well records.)

| Well No. | Owner | Depth of well (ft.) | Date of collection | Total dissolved solids (calculated) | Calcium (Ca) | Magnesium (Mg) | Sodium and Potassium (Na / K) (calculated) | Bicarbonate (HCO ₃) | Sulphate (SO ₄) | Chloride (Cl) | Nitrate (NO ₃) | Total hardness as CaCO ₃ (calculated) |
|----------|-----------------------------|---------------------|--------------------|-------------------------------------|--------------|----------------|--|---------------------------------|-----------------------------|---------------|----------------------------|--|
| 1 | W. A. Voelkel | 76 | Mar. 16, 1937 | 308 | - | - | - | 275 | 32 | 24 | b/ | - |
| 2 | Karl Neumann | 16 | do. | - | - | - | - | - | 98 | 165 | b/ | - |
| 3 | V. Janes | 75 | Mar. 11, 1937 | 328 | - | - | - | 275 | 40 | 30 | b/ | - |
| 4 | Herbert Thielemann | 53 | do. | 458 | - | - | - | 165 | a/ | 71 | 160 | - |
| 6 | Alfred Schultze | 62 | do. | 989 | - | - | - | 146 | 448 | 150 | b/ | - |
| 7 | Hugo Huebner | 98 | Mar. 10, 1937 | 526 | - | - | - | 293 | 40 | 54 | 110 | - |
| 8 | B. W. Huebner | 55 | Mar. 12, 1937 | 1,138 | - | - | - | 189 | 20 | 230 | 450 | - |
| 9 | Willie Hold | 30 | Mar. 8, 1937 | 584 | 130 | 5 | 71 | 305 | 40 | 92 | b/ | 344 |
| 11 | Hugo Fischer & Anna Hartman | 25 | Jan. 1, 1937 | 235 | - | - | - | 220 | 20 | 17 | b/ | - |
| 12 | Reinhold Lehrmann | 97 | Mar. 12, 1937 | 363 | - | - | - | 268 | 24 | 26 | 52 | - |
| 13 | J. C. Buenger | 105 | Jan. 14, 1937 | 378 | - | - | - | 354 | 7 | 50 | | - |
| 15 | Walter E. Rinn | 44 | do. | 689 | - | - | - | 55 | 22 | 96 | 350 | - |
| 16 | Otto Arndt | 47 | Mar. 17, 1937 | 238 | - | - | - | 171 | 36 | 30 | b/ | - |
| 19 | -- School | 131 | Mar. 16, 1937 | 487 | 130 | 5 | 50 | 342 | 40 | 94 | b/ | 344 |
| 20 | W. P. A. test | 14 | Mar. 11, 1937 | 71 | - | - | - | 24 | 24 | 11 | b/ | - |
| 21 | H. L. Frnka | 135 | Mar. 16, 1937 | 336 | - | - | - | 281 | 24 | 46 | b/ | - |
| 22 | Henry Gross | 85 | Mar. 17, 1937 | 223 | - | - | - | 232 | 9 | 13 | b/ | - |
| 24 | T. M. Kamas | 27 | Jan. 14, 1937 | 248 | - | - | - | 146 | 40 | 46 | b/ | - |
| 25 | V. Chaluepkua | 38 | do. | 349 | - | - | - | 360 | a/ | 30 | b/ | - |
| 26 | John Arning | 82 | Mar. 10, 1937 | 424 | - | - | - | 275 | 43 | 50 | 45 | - |
| 27 | Otto Veckert | 64 | Mar. 9, 1937 | 247 | - | - | - | 98 | 78 | 36 | b/ | - |
| 28 | B. Wering | 86 | Mar. 10, 1937 | 559 | - | - | - | 299 | 40 | 90 | 88 | - |
| 29 | Chris Loesch | 67 | do. | 430 | - | - | - | 183 | 32 | 130 | 24 | - |
| 30 | Mrs. H. J. Albert | 95 | do. | 647 | - | - | - | 317 | 32 | 138 | 95 | - |
| 32 | Willie Spreen | 19 | do. | 668 | - | - | - | 305 | 148 | 124 | b/ | - |
| 33 | Carl Holt | 120 | Mar. 12, 1937 | 1,115 | - | - | - | 110 | 59 | 365 | 280 | - |
| 34 | C. L. Luedeke | 57 | Mar. 11, 1937 | 491 | - | - | - | 268 | 59 | 120 | b/ | - |
| 35 | Emil Hopman | 39 | Mar. 10, 1937 | 601 | - | - | - | 329 | 32 | 166 | b/ | - |

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells in Austin County--Continued

Results are in parts per million.

| Well No. | Owner | Depth of well (ft.) | Date of collection | Total dissolved solids (calculated) | Calcium (Ca) | Magnesium (Mg) | Sodium and Potassium (Na / K) (calculated) | Bicarbonate (HCO ₃) | Sulphate (SO ₄) | Chloride (Cl) | Nitrate (NO ₃) | Total hardness as CaCO ₃ (calculated) |
|----------|-------------------|---------------------|--------------------|-------------------------------------|--------------|----------------|--|---------------------------------|-----------------------------|---------------|----------------------------|--|
| 36 | New Wehdem School | 68 | Mar. 9, 1937 | - | - | - | - | - | 20 | 36 | b/ | - |
| 38 | Hy Honerkamp | 28 | do. | 527 | - | - | - | 73 | 98 | 210 | b/ | - |
| 40 | Andrew Herring | 119 | Jan. 13, 1937 | 480 | - | - | - | 134 | 67 | 176 | b/ | - |
| 41 | W. P. A. test | 39 | Mar. 4, 1937 | 235 | - | - | - | 98 | 20 | 30 | 60 | - |
| 42 | Louis Loesch | 25 | Mar. 8, 1937 | 576 | - | - | - | 183 | 40 | 162 | 88 | - |
| 44 | Frank W. Mikeska | 24 | Mar. 3, 1937 | 328 | - | - | - | 207 | 40 | 26 | 46 | - |
| 47 | Fritz Richter | 47 | Mar. 9, 1937 | 58 | - | - | - | 18 | a/ | 21 | b/ | - |
| 48 | John H. Goeke | 65 | Mar. 3, 1937 | - | - | - | - | - | 32 | 110 | 115 | - |
| 50 | Mrs. D. Laas | 163 | Mar. 8, 1937 | 287 | - | - | - | 238 | 32 | 30 | b/ | - |
| 51 | W. P. A. test | 33 | Jan. 13, 1937 | 65 | - | - | - | 12 | 10 | 26 | b/ | - |
| 52 | M. D. Harper | 46 | Jan. 12, 1937 | - | - | - | - | - | 40 | 58 | b/ | - |
| 53 | W. P. A. test | 41 | do. | 440 | 78 | 7 | 81 | 281 | 20 | 90 | 26 | 224 |
| 57 | John Surovik | 104 | Jan. 14, 1937 | 285 | - | - | - | 275 | 16 | 24 | b/ | - |
| 58 | Arnold Goebel | 65 | Jan. 30, 1937 | 218 | - | - | - | 195 | 10 | 28 | b/ | - |
| 59 | Chas. Riniker | 117 | do. | 183 | - | - | - | 171 | a/ | 24 | b/ | - |
| 60 | W. P. A. test | 57 | Feb. 4, 1937 | 766 | 156 | 10 | 113 | 342 | 143 | 176 | b/ | 431 |
| 61 | Fred Palm | 95 | Jan. 29, 1937 | 220 | - | - | - | 220 | a/ | 20 | b/ | - |
| 62 | Sam Vornkahl | 132 | Jan. 30, 1937 | 142 | - | - | - | 140 | a/ | 13 | b/ | - |
| 64 | W. P. A. test | 43 | Dec. 10, 1936 | 450 | - | - | - | 342 | 16 | 94 | b/ | - |
| 67 | do. | 38 | Dec. 11, 1936 | - | - | - | - | - | 28 | 230 | b/ | - |
| 68 | do. | 28 | Dec. 12, 1936 | - | - | - | - | - | 20 | 204 | 22 | - |
| 70 | do. | 16 | do. | 73 | - | - | - | 49 | 12 | 10 | b/ | - |
| 71 | do. | 16 | do. | - | - | - | - | - | a/ | 15 | b/ | - |
| 72 | do. | 53 | Dec. 14, 1936 | 53 | - | - | - | 24 | 10 | 12 | b/ | - |
| 73 | do. | 15 | Dec. 15, 1936 | - | - | - | - | - | 10 | 22 | b/ | - |
| 74 | E. Grube | 73 | Feb. 25, 1937 | 275 | - | - | - | 281 | 10 | 20 | b/ | - |
| 75 | W. P. A. test | 70 | Feb. 23, 1937 | 126 | - | - | - | 73 | 16 | 28 | b/ | - |
| 76 | H. H. Schroeder | 97 | Feb. 25, 1937 | 277 | - | - | - | 256 | 14 | 30 | b/ | - |
| 77 | Albert Mernitz | 65 | do. | 260 | - | - | - | 256 | 11 | 22 | b/ | - |
| 78 | Fritz Nelius | 88 | Feb. 18, 1937 | 332 | - | - | - | 329 | a/ | 34 | b/ | - |
| 79 | do. | 68 | Feb. 17, 1937 | 61 | - | - | - | 43 | a/ | 13 | b/ | - |
| 80 | Aug. A. Reichle | 28 | do. | 95 | - | - | - | 37 | 17 | 26 | b/ | - |
| 82 | S. Hintzel | 157 | Feb. 16, 1937 | 144 | - | - | - | 122 | a/ | 20 | b/ | - |
| 83 | W. P. A. test | 36 | Feb. 19, 1937 | 709 | - | - | - | 268 | 158 | 170 | b/ | - |
| 84 | C. C. Amsler | 48 | Feb. 16, 1937 | - | - | - | - | - | 120 | 192 | 56 | - |

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells in Austin County--Continued
Results are in parts per million.

| Well No. | Owner | Depth of well (ft.) | Date of collection | Total dissolved solids (calculated) | Calcium (Ca) | Magnesium (Mg) | Sodium and Potassium (Na / K) (calculated) | Bicarbonate (HCO ₃) | Sulphate (SO ₄) | Chloride (Cl) | Nitrate (NO ₃) | Total hardness as CaCO ₃ (calculated) |
|----------|----------------------|---------------------|--------------------|-------------------------------------|--------------|----------------|--|---------------------------------|-----------------------------|---------------|----------------------------|--|
| 85 | Julius Brune | 42 | Feb. 15, 1937 | 592 | - | - | - | 201 | 59 | 220 | b/ | - |
| 86 | Albert Janczak | 40 | do. | - | - | - | - | - | 73 | 102 | b/ | - |
| 87 | Taylor Sykes | 39 | Feb. 19, 1937 | 580 | - | - | - | 415 | 103 | 60 | b/ | - |
| 88 | Reinhardt Luhn | 195 | Feb. 16, 1937 | - | - | - | - | - | a/ | 22 | b/ | - |
| 89 | August Steck | 95 | do. | - | - | - | - | - | 16 | 87 | b/ | - |
| 91 | F. Krueger | 100 | Feb. 19, 1937 | 344 | - | - | - | 342 | 11 | 31 | b/ | - |
| 92 | Gus Tirme | 57 | Feb. 16, 1937 | 497 | - | - | - | 24 | 26 | 180 | 120 | - |
| 93 | Theo Brosig | 117 | Feb. 18, 1937 | 292 | - | - | - | 293 | 11 | 23 | b/ | - |
| 94 | Herman Krueger | 145 | Feb. 24, 1937 | 175 | - | - | - | 171 | a/ | 16 | b/ | - |
| 95 | Nat Smith | 26 | do. | 456 | - | - | - | 122 | 14 | 215 | b/ | - |
| 96 | Wm. Waak | 22 | do. | 1,769 | - | - | - | 262 | 378 | 650 | b/ | - |
| 99 | Herman Woehst | 52 | Feb. 25, 1937 | 329 | - | - | - | 37 | 17 | 53 | 145 | - |
| 100 | Mrs. Lula Russ | 98 | Mar. 1, 1937 | 67 | - | - | - | 49 | a/ | 13 | b/ | - |
| 101 | W. P. A. test | 25 | do. | 160 | - | - | - | 98 | 32 | 22 | b/ | - |
| 102 | do. | 46 | Jan. 13, 1937 | 91 | - | - | - | 37 | 12 | 28 | b/ | - |
| 104 | Mrs. S. Sanders | 79 | do. | 168 | 52 | - | 9 | 67 | 28 | 46 | b/ | 130 |
| 107 | R. H. Luhn | 132 | Jan. 12, 1937 | 348 | - | - | - | 287 | 40 | 36 | b/ | - |
| 108 | Herman Pfeffer | 30 | Mar. 3, 1937 | 437 | - | - | - | 159 | 47 | 90 | 75 | - |
| 109 | Emil Fenner | 32 | do. | 288 | - | - | - | 220 | 32 | 40 | b/ | - |
| 112 | W. P. A. test | 19 | Jan. 20, 1937 | 225 | - | - | - | 159 | 14 | 48 | b/ | - |
| 113 | W. C. Weiss | 44 | Jan. 13, 1937 | 703 | - | - | - | 250 | 40 | 274 | b/ | - |
| 114 | H. L. Reese | 48 | Mar. 3, 1937 | - | - | - | - | - | 35 | 62 | 88 | - |
| 115 | Elizabeth Bergers | 40 | do. | 392 | - | - | - | 159 | 22 | 84 | 75 | - |
| 116 | Fritz Kramer | 33 | Mar. 2, 1937 | - | - | - | - | - | 21 | 23 | 145 | - |
| 117 | C. E. Hellmuth Est. | 76 | Mar. 1, 1937 | 153 | - | - | - | 98 | 26 | 23 | b/ | - |
| 118 | Beattie Sloan | 52 | do. | 66 | - | - | - | 31 | a/ | 22 | b/ | - |
| 119 | W. O. Hammack | 22 | do. | 137 | - | - | - | 85 | 22 | 23 | b/ | - |
| 120 | W. P. A. test | 37 | Jan. 6, 1937 | - | - | - | - | - | 10 | 70 | b/ | - |
| 121 | do. | 24 | Jan. 5, 1937 | - | - | - | - | - | 26 | 22 | b/ | - |
| 122 | Brandt-Ludemeyer Gin | 69 | Jan. 4, 1937 | 219 | 7 | 2 | 79 | 146 | 16 | 43 | b/ | 27 |
| 123 | Emil Brandt | 29 | do. | 310 | - | - | - | 220 | 32 | 54 | b/ | - |
| 124 | Henry Frolich | 24 | do. | 627 | - | - | - | 281 | 43 | 185 | 35 | - |
| 125 | Ed Kaecheie | 37 | do. | 325 | - | - | - | 268 | 40 | 31 | b/ | - |
| 126 | Willie Sontag | 86 | Feb. 23, 1937 | 344 | - | - | - | 244 | 13 | 80 | b/ | - |

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells in Austin County---Continued

Results are in parts per million.

| Well No. | Owner | Depth of well (ft.) | Date of collection | Total dissolved solids (calculated) | Calcium (Ca) | Magnesium (Mg) | Sodium and Potassium (Na / K) (calculated) | Bicarbonate (HCO ₃) | Sulphate (SO ₄) | Chloride (Cl) | Nitrate (NO ₃) | Total hardness as CaCO ₃ (calculated) |
|----------|-----------------------|---------------------|--------------------|-------------------------------------|--------------|----------------|--|---------------------------------|-----------------------------|---------------|----------------------------|--|
| 127 | Emil Frank | 27 | Feb. 23, 1937 | 947 | - | - | - | 24 | 109 | 350 | 170 | - |
| 128 | W. P. A. test | 19 | Jan. 5, 1937 | 82 | - | - | - | 24 | 28 | 14 | b/ | - |
| 129 | do. | 9 | Mar. 1, 1937 | 111 | - | - | - | 24 | 40 | 22 | b/ | - |
| 130 | F. F. Graff | 46 | Jan. 4, 1937 | 57 | - | - | - | 37 | a/ | 13 | b/ | - |
| 131 | W. P. A. test | 21 | do. | - | - | - | - | - | a/ | 24 | b/ | - |
| 132 | Edmund Frank | 52 | do. | 213 | - | - | - | 37 | a/ | 33 | 95 | - |
| 133 | W. P. A. test | 20 | do. | 205 | 34 | - | 50 | 207 | 10 | 9 | b/ | 85 |
| 134 | A. E. Mewis | 27 | Feb. 18, 1937 | 173 | - | - | - | 12 | 10 | 34 | 72 | - |
| 135 | J. E. Henrichsen | 38 | Feb. 24, 1937 | 645 | - | - | - | 159 | 27 | 305 | b/ | - |
| 137 | Nathan Harvey | 17 | do. | 96 | - | - | - | 61 | 15 | 16 | b/ | - |
| 138 | C. M. Hoff | 49 | Feb. 23, 1937 | 280 | - | - | - | 268 | 10 | 31 | b/ | - |
| 139 | Emma Hagen | 120 | Feb. 18, 1937 | 101 | - | - | - | 61 | a/ | 28 | b/ | - |
| 140 | Ben Peters | 69 | Feb. 23, 1937 | 206 | - | - | - | 183 | 14 | 23 | b/ | - |
| 141 | J. H. Bishop | 120 | Feb. 19, 1937 | 133 | - | - | - | 85 | 11 | 30 | b/ | - |
| 143 | C. R. Brandes | 24 | do. | 644 | - | - | - | 18 | 55 | 52 | 355 | - |
| 144 | H. H. Belcher | 36 | Jan. 6, 1937 | 393 | - | - | - | 244 | 48 | 80 | b/ | - |
| 145 | Humble Oil & Ref. Co. | 310 | Jan. 8, 1937 | - | - | - | - | - | 40 | 66 | b/ | - |
| 146 | do. | 465 | Jan. 6, 1937 | 432 | - | - | - | 323 | 51 | 60 | b/ | - |
| 148 | do. | 1,228 | Jan. 7, 1937 | 758 | 36 | - | 280 | 695 | 32 | 68 | b/ | 90 |
| 149 | William Lange | 67 | Jan. 5, 1937 | 1,044 | 112 | 17 | 220 | 146 | 67 | 316 | 240 | 350 |
| 151 | W. P. A. test | 12 | Jan. 8, 1937 | 302 | - | - | - | 146 | 18 | 100 | b/ | - |
| 152 | E. B. Wilson | 52 | Jan. 5, 1937 | 367 | - | - | - | 293 | 32 | 52 | b/ | - |
| 153 | W. P. A. test | 39 | Jan. 7, 1937 | 335 | - | - | - | 293 | 12 | 50 | b/ | - |
| 201 | Emma Dittert | 89 | Jan. 31, 1937 | 246 | - | - | - | 110 | 15 | 86 | b/ | - |
| 203 | Ed Schultz | 83 | do. | 267 | - | - | - | 256 | a/ | 32 | b/ | - |
| 204 | Mary Batla | 96 | Jan. 30, 1937 | 66 | 20 | - | 5 | 37 | a/ | 20 | b/ | 50 |
| 205 | Tom Eckelberg | 118 | do. | 155 | - | - | - | 134 | a/ | 24 | b/ | - |
| 206 | Otto Hill | 32 | Jan. 31, 1937 | 60 | - | - | - | 24 | a/ | 22 | b/ | - |
| 207 | Chas. Kretzschmar | 62 | do. | 180 | - | - | - | 171 | a/ | 22 | b/ | - |
| 208 | Chas. Zachas | 95 | do. | 60 | - | - | - | 31 | a/ | 20 | b/ | - |
| 209 | Adolph Drab | 66 | do. | 89 | - | - | - | 43 | a/ | 32 | b/ | - |
| 210 | J. C. Oldag | 84 | Feb. 3, 1937 | 131 | - | - | - | 67 | a/ | 42 | b/ | - |
| 212 | W. P. A. test | 25 | Dec. 15, 1936 | 40 | - | - | - | 12 | 10 | 10 | b/ | - |
| 214 | Chas. Schroeder | 60 | Jan. 15, 1937 | 148 | - | - | - | 116 | a/ | 26 | b/ | - |

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

Partial analyses of water from wells in Austin County--Continued

Results are in parts per million.

| Well No. | Owner | Depth of well (ft.) | Date of collection | Total dissolved solids (calculated) | Calcium (Ca) | Magnesium (Mg) | Sodium and Potassium (Na / K) (calculated) | Bicarbonate (HCO ₃) | Sulphate (SO ₄) | Chloride (Cl) | Nitrate (NO ₃) | Total hardness as CaCO ₃ (calculated) |
|----------|----------------------------------|---------------------|--------------------|-------------------------------------|--------------|----------------|--|---------------------------------|-----------------------------|---------------|----------------------------|--|
| 215 | W. P. A. test | 10 | Feb. 17, 1937 | - | - | - | - | - | 90 | 13 | b/ | - |
| 216 | do. | 12 | Feb. 18, 1937 | - | - | - | - | - | 71 | 12 | b/ | - |
| 217 | do. | 18 | Dec. 16, 1936 | - | - | - | - | - | 20 | 16 | b/ | - |
| 218 | Fritz Sens | 46 | Dec. 17, 1936 | 97 | - | - | - | 37 | a/ | 40 | b/ | - |
| 219 | W. P. A. test | 17 | Dec. 16, 1936 | - | - | - | - | - | a/ | 14 | b/ | - |
| 220 | do. | 18 | do. | 50 | - | - | - | 6 | 10 | 20 | b/ | - |
| 221 | Frank Jurica | 86 | Feb. 15, 1937 | 55 | - | - | - | 31 | a/ | 15 | b/ | - |
| 222 | John Maler | 56 | Feb. 3, 1937 | - | - | - | - | - | a/ | 22 | b/ | - |
| 223 | Ben E. Albert | 66 | Jan. 29, 1937 | - | - | - | - | - | a/ | 34 | b/ | - |
| 224 | W. P. A. test | 23 | Dec. 16, 1936 | 107 | - | - | - | 37 | 10 | 40 | b/ | - |
| 225 | Horace Clark | 87 | Jan. 28, 1937 | 103 | - | - | - | 73 | a/ | 24 | b/ | - |
| 226 | Anna Timme | 88 | Jan. 26, 1937 | 241 | - | - | - | 110 | a/ | 90 | b/ | - |
| 227 | Herman Buchtien | 56 | Dec. 17, 1936 | 115 | - | - | - | 73 | a/ | 31 | b/ | - |
| 228 | Community Public Service Company | 304 | do. | 190 | 42 | - | 34 | 159 | a/ | 31 | b/ | 105 |
| 229 | W. P. A. test | 33 | Dec. 16, 1936 | 407 | - | - | - | 37 | 12 | 230 | b/ | - |
| 230 | W. M. Remmert | 89 | Jan. 29, 1937 | - | - | - | - | - | a/ | 20 | b/ | - |
| 232 | T. C. Schaare | 107 | do. | 98 | 40 | - | - | 73 | a/ | 22 | b/ | 100 |
| 233 | Ed Anderson | 75 | Jan. 28, 1937 | 514 | - | - | - | 293 | 10 | 90 | 90 | - |
| 234 | Fritz Spren | 102 | do. | 118 | - | - | - | 43 | a/ | 34 | b/ | - |
| 235 | W. P. A. test | 32 | Dec. 17, 1936 | 266 | - | - | - | 171 | 22 | 40 | 24 | - |
| 236 | H. G. Clark | 66 | Jan. 8, 1937 | 366 | - | - | - | 110 | 40 | 98 | 50 | - |
| 237 | W. P. A. test | 11 | Dec. 17, 1936 | 373 | - | - | - | 37 | 10 | 210 | b/ | - |
| 238 | Z. Novick | 51 | Feb. 21, 1937 | 432 | - | - | - | 262 | 32 | 110 | b/ | - |
| 239 | Wm. Satler | 74 | Mar. 18, 1937 | 145 | - | - | - | 73 | a/ | 46 | b/ | - |
| 240 | John Zahradnick | 47 | do. | 318 | - | - | - | 85 | 27 | 134 | b/ | - |
| 241 | Joachin Hinze | 46 | do. | 876 | - | - | - | 37 | a/ | 340 | 230 | - |
| 242 | W. P. A. test | 12 | Dec. 17, 1936 | - | - | - | - | - | 24 | 22 | 21 | - |
| 243 | do. | 21 | Dec. 18, 1936 | - | - | - | - | - | a/ | 20 | b/ | - |
| 244 | Mary Sodolak | 57 | Jan. 14, 1937 | 266 | - | - | - | 195 | a/ | 76 | b/ | - |
| 245 | W. P. A. test | 23 | Dec. 18, 1936 | 72 | - | - | - | 37 | 14 | 14 | b/ | - |
| 246 | Jos. Taska | 68 | Jan. 18, 1937 | 355 | - | - | - | 256 | a/ | 86 | b/ | - |
| 247 | W. P. A. test | 38 | Dec. 18, 1936 | 120 | - | - | - | 24 | 20 | 46 | b/ | - |
| 249 | do. | 40 | Jan. 22, 1937 | - | - | - | - | - | 40 | 60 | b/ | - |

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.

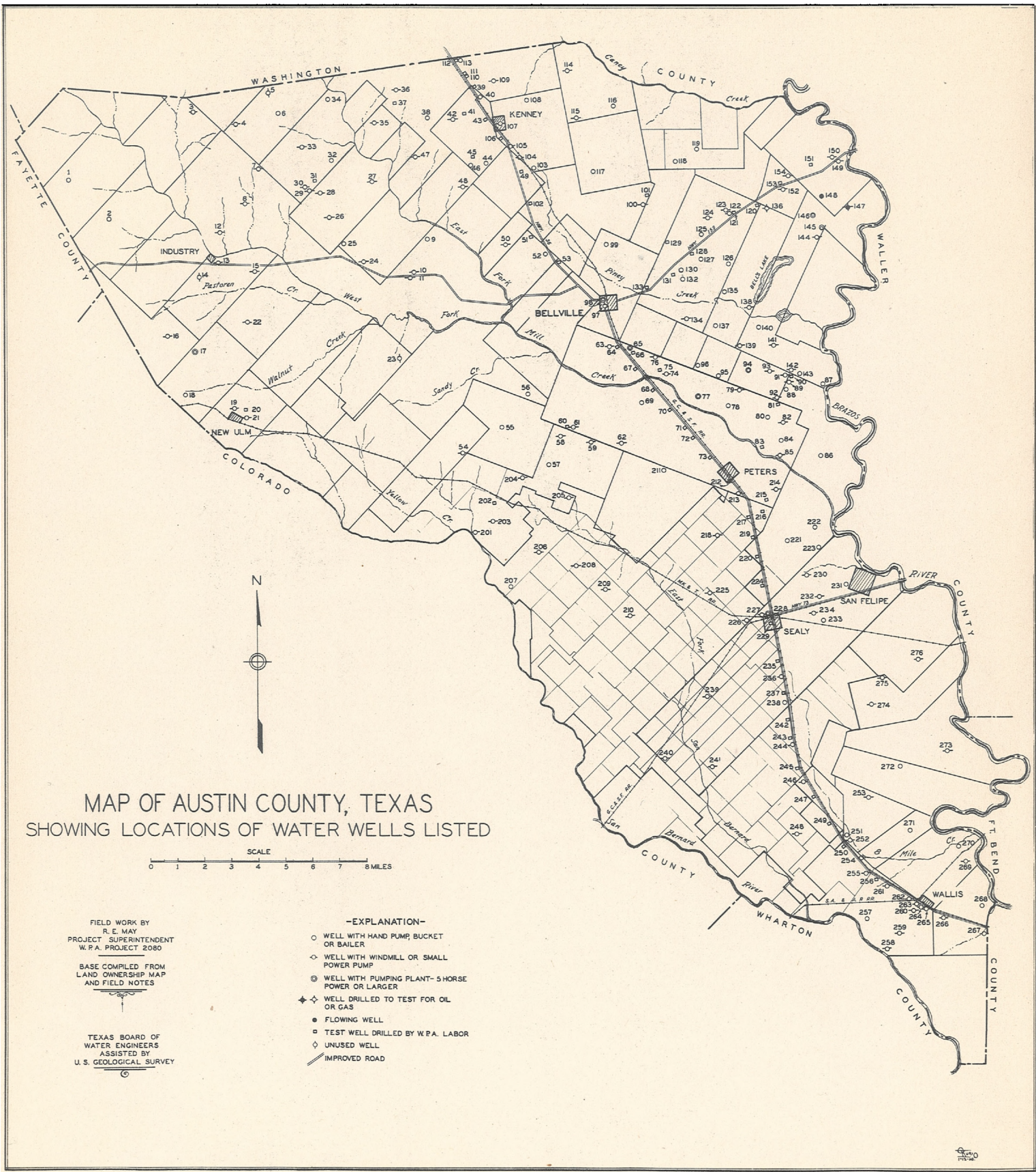
Partial analyses of water from wells in Austin County--Continued

Results are in parts per million.

| Well No. | Owner | Depth of well (ft.) | Date of collection | Total dissolved solids (calculated) | Calcium (Ca) | Magnesium (Mg) | Sodium and Potassium (Na / K) (calculated) | Bicarbonate (HCO ₃) | Sulphate (SO ₄) | Chloride (Cl) | Nitrate (NO ₃) | Total hardness as CaCO ₃ (calculated) |
|----------|-------------------|---------------------|--------------------|-------------------------------------|--------------|----------------|--|---------------------------------|-----------------------------|---------------|----------------------------|--|
| 250 | W. P. A. test | 18 | Jan. 26, 1937 | 435 | - | - | - | 195 | 12 | 165 | b/ | - |
| 251 | Ben Stern | 92 | Jan. 18, 1937 | 370 | - | - | - | 244 | a/ | 102 | b/ | - |
| 252 | M. N. Allen | 57 | do. | 487 | - | - | - | 342 | a/ | 94 | 40 | - |
| 254 | C. Kaechele | 63 | Jan. 19, 1937 | 343 | - | - | - | 256 | a/ | 78 | b/ | - |
| 255 | Alfred Barta | 85 | do. | 363 | - | - | - | 250 | a/ | 94 | b/ | - |
| 257 | F. Parma | 97 | Jan. 26, 1937 | 114 | - | - | - | 49 | a/ | 44 | b/ | - |
| 258 | J. Korcak | 97 | do. | - | - | - | - | - | a/ | 36 | b/ | - |
| 259 | Joe Wasicok | 102 | Jan. 22, 1937 | 192 | - | - | - | 183 | a/ | 24 | b/ | - |
| 261 | I. Minks | 96 | Jan. 19, 1937 | 362 | - | - | - | 317 | a/ | 60 | b/ | - |
| 274 | Johana Zapolka | 64 | Feb. 24, 1937 | 366 | - | - | - | 311 | 32 | 42 | b/ | - |
| 275 | John Buchala, Sr. | 90 | Mar. 24, 1937 | 406 | - | - | - | 268 | 32 | 90 | b/ | - |

a/ Sulphate less than 10 parts per million.

b/ Nitrate less than 20 parts per million.



MAP OF AUSTIN COUNTY, TEXAS SHOWING LOCATIONS OF WATER WELLS LISTED



FIELD WORK BY
R. E. MAY
PROJECT SUPERINTENDENT
W.P.A. PROJECT 2080

BASE COMPILED FROM
LAND OWNERSHIP MAP
AND FIELD NOTES

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

- EXPLANATION-**
- WELL WITH HAND PUMP, BUCKET OR BAILER
 - ◊ WELL WITH WINDMILL OR SMALL POWER PUMP
 - ⊙ WELL WITH PUMPING PLANT - 5 HORSE POWER OR LARGER
 - ◆ WELL DRILLED TO TEST FOR OIL OR GAS
 - FLOWING WELL
 - ◻ TEST WELL DRILLED BY W.P.A. LABOR
 - ◇ UNUSED WELL
 - IMPROVED ROAD