

TEXAS BOARD OF WATER ENGINEERS

E. V. Spence, Chairman
John W. Pritchett, Member
H. A. Beckwith, Member



RECORDS OF WELLS AND SPRINGS IN NORTHERN PECOS COUNTY, TEXAS

By
John H. Dante

**PREPARED IN COOPERATION WITH THE GEOLOGICAL SURVEY, AND THE
BUREAU OF RECLAMATION, UNITED STATES DEPARTMENT OF THE INTERIOR**

JULY 1947

REPRINTED JUNE 1951

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INTRODUCTION

By

W. L. Broadhurst
District Geologist

This release contains the records of 437 wells and springs in the northern part of Pecos County, drillers' logs of 108 wells, and analyses of samples of water from 238 of the wells and springs. It also includes a map of the county, which shows by symbols the approximate locations of the wells and springs recorded. Different types of wells are indicated by different symbols, which are explained on the map. The county was divided into grids, beginning with grid A in the upper left-hand corner and ending with grid N in the lower right-hand corner. Numbers have been assigned to the wells and springs according to the grids in which they are located. For example, well F-1 is about 10 miles northwest from Fort Stockton in the northwest corner of grid F. The data in the tables of well records, well logs, and water analyses are tabulated according to the numbers and grids in which the wells and springs are located.

Most of the records were obtained by John H. Dante between October 1946 and July 1947 during the course of an investigation by the Texas Board of Water Engineers in cooperation with the Bureau of Reclamation and the Geological Survey of the U. S. Department of the Interior. A few of the records were obtained in 1932-33 by V. W. Rupp and a few in 1940-42 by P. E. Dennis and J. W. Lang of the Geological Survey.

This cooperative investigation was started in 1946 in response to numerous requests for information regarding the quantity and quality of water available in Pecos County for various uses, especially for irrigation.

The suitability of water for irrigation depends largely on the total solids and the ratio of the quantity of sodium to the total quantity of calcium, magnesium, and sodium. Sodium percentage is an expression used to predict the effects that mineralized water will have on soil under certain conditions of drainage and applications of water. Tentative standards of irrigation water indicate that water containing more than 2,000 parts per million dissolved solids (2.7 tons per acre-foot) and having a sodium percentage of 75 or greater, may be injurious to the growth of most crops and unsatisfactory for all but the most tolerant crops.

Sodium percentage is determined by the formula $\frac{\text{Na} \times 100}{\text{Ca} + \text{Mg} + \text{Na}}$ when calcium (Ca), magnesium (Mg), and sodium (Na) are expressed in equivalents per million. Equivalents per million may be found by dividing the parts per million of a substance by its equivalent weight, and the equivalent weights used in water analyses are as follows:

Calcium (Ca)	20	Bicarbonate (HCO ₃)	61
Magnesium (Mg)	12.2	Sulfate (SO ₄)	48
Sodium (Na)	23	Chloride (Cl)	35.5
Potassium (K)	39.1	Nitrate (NO ₃)	62

(To convert dissolved solids to tons per acre-foot, multiply dissolved solids in parts per million by 0.00136.)

The geologic names given in the tables of well data, and well logs are those commonly used by the drillers.

Additional field work must be done before a comprehensive report on the geology and ground-water resources of the county can be completed. However, the following records are being released so that land owners, well drillers, and others who are interested in the development of the ground-water resources in Pecos County may have the benefits of the data thus far compiled.

A limited number of copies of this release are available for free distribution. A copy may be obtained by addressing a request to the Texas Board of Water Engineers or the U. S. Geological Survey, 302 West 15th Street, Austin 14, Texas.

Records of wells and springs in Pecos County, Texas
All wells are drilled unless noted in the remarks column

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
A- 1	32 miles northwest	George Wilderspin	--	1942	175	7
A- 2	29 miles northwest	J. C. Trees Estate	--	--	80	10
A- 3	29 $\frac{1}{2}$ miles northwest	Charles Dodson	--	Old	104	--
A- 4	28 miles northwest	do.	Tom Simmons	1930	103	6
A- 5	27 $\frac{1}{2}$ miles northwest	Jim Broyles	Knute Yorborough	--	105	--
A- 6	26 $\frac{1}{2}$ miles northwest	Jimmy Deacon	Taylor Wilcox	1903	125	8,4
A- 7	23 $\frac{1}{2}$ miles northwest	John Petts	-- Holman	--	150	10
A- 8	24 miles northwest	Dr. D. J. Sibley	E. C. Brown	1940	107	5
A- 9	23 miles northwest	do.	--	--	119	12, 10
A-10	20 miles northwest	--	--	--	129	6
A-11	22 $\frac{1}{2}$ miles northwest	Mrs. W. W. Courtney	--	--	160+	6
A-12	25 $\frac{1}{2}$ miles northwest	do.	Scott and McLuny	1907	139	6
A-13	27 miles northwest	do.	--	Old	85	8
A-14	24 $\frac{1}{2}$ miles northwest	do.	--	1917	207	5
A-15	26 miles northwest	do.	--	Old	92	5- 7/8
A-16	29 miles northwest	C. M. Caldwell	--	--	159	--
A-17	27 miles northwest	do.	Claude Garrett	1933	5,326	14
A-18	24 $\frac{1}{2}$ miles northwest	C. E. Criswell	Ben Beckley	1939	180	6
A-19	26 $\frac{1}{2}$ miles northwest	do.	Bill Holden	1935	170	6- 5/8
A-20	do.	H. D. Mendel	--	Old	139	--
A-21	23 $\frac{1}{2}$ miles northwest	do.	R. L. Cleveland	1940	160	6
A-22	21 $\frac{1}{2}$ miles northwest	do.	E. M. James	1946	175	6
A-23	19 $\frac{1}{2}$ miles northwest	Mrs. M. C. Mendel	--	Old	203	6

a/ Figures preceded by a plus (+) sign represent water levels above land surface. All others are below land surface.

b/ Method of lift: C, cylinder; Cf, centrifugal; T, turbine; O, diesel or oil; E, electric; G, gasoline or butane; W, windmill. Number indicates horsepower.

Chemical analyses of water from most of these wells and springs are given in the table of analyses

Well	WATER		LEVEL		Method of lift	Use of water	Remarks <u>d/</u>
	Below or above land surface (ft.) <u>a/</u>	Date of measurement		Date of measurement			
A- 1	35.6	Nov. 22, 1946	C,W	D,S		Water reported from red clay at 175 feet.	
A- 2	47.5	Mar. 7, 1940	C,W	S		Temperature 68° F.	
	47.2	Oct. 29, 1946					
A- 3	78.8	May 31, 1940	C,W	S			
	79.6	Nov. 23, 1946					
A- 4	70.3	Mar. 7, 1940	C,W	D,S		Temperature 68° F.	
	71.4	Oct. 29, 1946					
A- 5	90.9	Mar. 23, 1940	C,W	S		Temperature 69° F.	
A- 6	112.5	Mar. 7, 1940	C,W	D,S			
A- 7	129.2	Nov. 29, 1946	C,W	S			
A- 8	99.9	May 31, 1940	C,W	S		Temperature 69° F.	
A- 9	115.2	Nov. 29, 1946	C,W	D,S			
A-10	70.5	do.	C,W	S			
A-11	133.8	Nov. 25, 1946	C,W	S			
A-12	109.7	do.	C,W	D,S		Sand and gravel reported from 132 to 139 feet.	
A-13	40.6	Nov. 26, 1946	C,W	S		Pumping level 73.7 feet below land surface Mar. 1, 1940. Temperature 69° F.	
A-14	101.3	Mar. 1, 1940	C,W	S			
	99.6	Nov. 25, 1946					
A-15	65.2	Sept. 5, 1940	C,W	S		Pumping level 71 feet below land surface Mar. 1, 1940.	
	66.2	Nov. 26, 1946					
A-16	147.5	Nov. 27, 1946	C,W	S			
A-17	1.5	Sept. 6, 1940	C,W	S		Water from Rustler formation at 1,374 feet, flowed when drilled and was used for irrigation.	
	3.1	Nov. 27, 1946					
A-18	138.2	Sept. 6, 1940	C,W	S		Cased to 100 feet. Sand and gravel reported from 170 to 180 feet. Temperature 74° F.	
A-19	83.5	Nov. 26, 1946	C,W	D,S		Gravel reported from 160 to 170 feet; temperature 73° F.	
A-20	123.5	Nov. 27, 1946	C,W	S			
A-21	112.8	Nov. 26, 1946	C,W	S			
A-22	136.3	Nov. 28, 1946	C,W	S			
A-23	162.0	Nov. 27, 1946	C,W	S			

c/ Use of water: D, domestic; Ind, industrial; Irr, irrigation; P, public supply; S, stock; N, not used.

1/ Altitude from driller's log.

Records of wells and springs in Pecos County -- Continued

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
A-24	19 miles northwest	H. D. Mendel	--	Old	280	6
A-25	16 miles northwest	Mrs. M. C. Mendel	--	--	277	6
A-26	18 $\frac{1}{2}$ miles northwest	T. S. Talley	--	--	193	6
A-27	20 $\frac{1}{2}$ miles northwest	H. D. Mendel	Blake Shupe	1940	218	5
A-28	18 miles northwest	John McIntyre	--	--	231	--
A-29	19 $\frac{1}{2}$ miles northwest	do.	--	--	192	6
A-30	18 miles northwest	A. Kloh	World Oil Co.	1928	3,105	--
A-31	16 miles northwest	A. H. Robertson	Humble Oil & Refining Co.	1938	5,368	--
A-32	15 $\frac{1}{2}$ miles northwest	A. D. Neale	--	--	260	6
A-33	12 $\frac{1}{2}$ miles northwest	Dr. D. J. Sibley	-- House	1940	512	7
E- 1	31 miles northwest	E. T. Brandenburg	--	Old	47	9
B- 2	31 miles north	J. T. Notterville	Tex-Mex Oil Co.	--	2,400	--
B- 3	27 $\frac{1}{2}$ miles north	Roy McDonald	--	--	77	6
B- 4	26 $\frac{1}{2}$ miles north	J. J. Dorr	Marland Oil Co.	--	2,409	--
B- 5	24 miles north	J. C. Trees	Atlantic, Trees, et. al.	--	1,927	--
B- 6	26 miles north	Allen Tipton	--	1938	40	6
B- 7	26 $\frac{1}{2}$ miles northwest	J. C. Trees	Bendum and Trees	--	3,502	--
B- 8	27 miles northwest	Allen Tipton	--	--	Spring	--
B- 9	do.	J. C. Trees Estate	--	--	60	6
B-10	23 $\frac{1}{2}$ miles northwest	Dr. D. J. Sibley	--	--	96	6
B-11	23 miles northwest	do.	N. A. House	1940	100	7
B-12	22 miles northwest	A. LeFevre	Geo. H. Anderson	--	2,037	--
B-13	19 $\frac{1}{2}$ miles north	H. E. Bonebrake	--	--	Spring	--
E-14	do.	do.	M. Z. Dibble, et. al.	--	2,004	--
B-15	20 miles north	do.	--	1944	120	7

Well	WATER LEVEL	Date of measurement	Method of lift	Use of water	Remarks d/
	Below or above land surface (ft.) a/		b/	c/	
A-24	167.9	Nov. 28, 1946	C,W	S	
A-25	252.9	Mar. 6, 1940	C,W	S	
A-26	152.2	do.	C,W	S	
A-27	141.6	Nov. 26, 1946	C,W	D	Cased to about 100 feet.
A-28	215.2	Mar. 8, 1940	C,W	D,S	Temperature 69° F.
A-29	166.6	do.	C,W	S	
A-30	--	--	None	N	Oil test. Altitude 2,810 feet. See log.
A-31	--	--	None	N	Oil test. Altitude 2,795 feet. See log.
A-32	119.3	Dec. 2, 1946	C,W	S	
A-33	71.3	do.	C,W	S	
B- 1	34.1	June 7, 1940	C,W	D,S	Temperature 75° F.
B- 2	--	--	None	N	Oil test. See log.
B- 3	26.4	Oct. 29, 1946	C,W	S	
B- 4	--	--	None	N	Oil test. See log.
B- 5	--	--	None	N	Do.
B- 6	11.5 11.7	June 7, 1940 Oct. 24, 1946	C,W	D,S	Cased 10 feet. Temperature 75° F.
B- 7	--	--	None	N	Oil test. See log.
B- 8	+	--	Flows	Irr	Santa Rosa Springs. Flow 2,340 gallons a minute Sept. 23, 1939 and 1,980 gallons a minute Jan. 13, 1943.
B- 9	29.6	Oct. 24, 1946	C,W	S	Temperature 72° F.
B-10	89.0	Dec. 7, 1946	C,W	S	Temperature 69° F.
B-11	67.8	do.	C,W	S	Temperature 70° F.
B-12	--	--	None	N	Oil test. See log.
B-13	+	Oct. 24, 1946	Flows	S	Monument Spring. Flow 440 gallons a minute Jan. 13, 1943.
B-14	--	--	None	N	Oil test. See log.
B-15	18.2	Oct. 23, 1946	C,W	D,S	Cased to 50 feet.

Records of wells and springs in Pecos County -- Continued

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
B-16	20 miles northeast	George Adkins	L. B. Ryan	1944	120	7
B-17	22 miles north	H. J. Eaton	Southern Crude Oil Pur. Co.	--	1,602	--
B-18	21 miles northeast	Richard Cochran	Richard Cochran	1947	128	16, 14
B-19	22 miles northeast	George Adkins	Humble Oil & Ref. Co.	1943	2,600	9-5/8
B-20	do.	do.	R. L. Cleveland	1943	120	7
B-21	23 miles northeast	do.	L. B. Ryan	1944	99	7
B-22	23 $\frac{1}{2}$ miles northeast	W. F. Moore	E. E. Scarbrough	1946	134	10
B-23	do.	do.	do.	1946	146	16
B-24	do.	do.	George Moore	1946	140	16
B-25	23 miles northeast	G. C. Holiday	Perry Lange	1947	149	16
B-26	do.	do.	Carmins Drilling Co.	1947	147	16
B-27	24 $\frac{1}{2}$ miles northeast	Scharff & Blackman	Kemper Kimberlin	1927	2,160	--
B-28	27 $\frac{1}{2}$ miles northeast	Hal Burnett No. 1	Roscoe Armstrong	1946	91	16
B-29	do.	Hal Burnett No. 2	do.	1946	88	16, 9
B-30	27 miles northeast	Hal Burnett No. 3	do.	1946	88	16, 9

Well	WATER LEVEL		Method of lift b/	Use of water c/	Remarks d/
	Below or above land surface (ft.) a/	Date of measurement			
B-16	30.0	Apr. 14, 1947	C,W	D,S	Cased to 80 feet.
B-17	--	--	None	N	Oil test. See log.
B-18	26.0	Feb. 8, 1947	None	--	Casing: 86 feet of 16 inch and 62 feet of 14 inch, perforated from 87 to 123 feet. Drawdown 36.7 feet after 5 $\frac{1}{4}$ hours pumping at 490 gallons a minute. Pump removed in June 1947. See log.
B-19	+	Apr. 20, 1947	Flows	S	Flow reported 20 gallons a minute Apr. 20, 1947.
B-20	19.3	Apr. 10, 1947	C,W	S	Cased to 30 feet. Temperature 69° F.
B-21	43.3	Apr. 26, 1947	C,W	S	Cased to 72 feet.
B-22	35	Sept. 26, 1946	T,G, 66	Irr	Casing: 65 feet of 15 inch and 134 feet of 10 inch, perforated from 90 to 134 feet. Pump set at 96 feet. Yield reported 800 gallons a minute.
B-23	38.6	Oct. 22, 1946	T,G, 100	Irr	Casing: 91 feet of 20 inch and 141 feet of 16 inch, perforated from 106 to 141 feet. Pump set at 100 feet. Drawdown 39.4 feet while pumping 1,089 gallons a minute Apr. 23, 1947. Temperature 68° F.
B-24	34.3	Jan. 30, 1947	T,G, 100	Irr	Casing: 75 feet of 20 inch and 140 feet of 16 inch, perforated from 120 to 140 feet. Pump set at 94 feet.
B-25	43.2	Apr. 10, 1947	T,G, 120	Irr	Casing perforated from 89 to 149 feet. Pump set at 140 feet. Drawdown 40 feet while pumping about 400 gallons a minute June 7, 1947. See log.
B-26	--	--	T,G, 120	Irr	Pump set at 110 feet. Yield about 1,675 gallons a minute.
B-27	--	--	None	N	Oil test. Altitude 2,402 feet. See log.
B-28	23.7	Jan. 30, 1947	T,E, 30	Irr	Casing: 20 inch to 25 feet; 16 inch from 0 to 91 feet, perforated from 51 to 91 feet. Pump set at 60 feet. Drawdown 16 feet after several hours pumping in Apr. 1947. Temperature 70° F.
B-29	27.6	Sept. 26, 1946	T,E, 30	Irr	Casing: 20 inch to 26 feet; 16 inch from 0 to 63 feet and 9 inch from 63 to 88 feet, perforated from 58 to 88 feet. Pump set at 50 feet. Pumping level 38 feet below land surface in Apr. 1947.
B-30	29.0	do.	T,E, 30	Irr	Casing: 20 inch to 25 feet; 16 inch from 0 to 60 feet and 9 inch from 60 to 88, perforated Pump set at 40 feet. Pumping level 39.3 feet below land surface in Apr. 1947. Temperature 70° F.

Records of wells and springs in Pecos County -- Continued

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
B-31	27 miles northeast	Hal Burnett No. 4	Roscoe Armstrong	1946	94	16
B-32	26 $\frac{1}{2}$ miles northeast	Fred Quintela	-- Moore	1946	110	16
B-33	28 $\frac{1}{2}$ miles northeast	Ralph Fogleman	E. E. Scarbrough	1946	87	16, 14
B-34	30 miles northeast	F. A. Knapp	G. T. Abell	--	2,503	--
B-35	29 miles northeast	L. A. Heagy	Jack Reinertsen	1946	92	13, 10 $\frac{3}{4}$
B-36	28 miles northeast	Bob Simpson	E. E. Scarbrough	1946	83	12 $\frac{1}{2}$
B-37	do.	Dalton Caffey	do.	1946	69	16
B-38	26 miles northeast	L. M. McFrancis	J. B. Spikes	--	2,359	--
B-39	do.	W. K. Heagy	Ellsworth Greer	1946	61	16, 13
B-40	do.	Charles Mann	Percy Weddle and -- Cox	1946	107	12 $\frac{3}{4}$
B-41	25 $\frac{1}{2}$ miles northeast	Ira Cox	-- Gann	1946	144	13- 3/8
B-42	do.	Cecil Simmons	--	1947	91	13- 3/8
B-43	24 $\frac{1}{2}$ miles northeast	George Adkins	Reinertsen & Holloway	1946	190	16
B-44	do.	do.	Claude Garrett	1946	180	16

Well	WATER LEVEL		Method of lift b/	Use of water c/	Remarks d/
	Below or above land surface (ft.) a/	Date of measurement			
B-31	25.9 23.5	Sept. 26, 1946 June 10, 1947	T, E, 30	Irr	Casing: 20 inch to 20 feet; 16 inch from 0 to 94 feet, perforated from 38 to 94 feet. Pump set at 60 feet. Pumping level 45.6 feet below land surface in Apr. 1947. Combined yield of wells 28, 29, 30, and 31 was 4,400 gallons a minute in Apr. 1947. Red
B-32	15.8	Oct. 25, 1946	T, G, 75	Irr	Casing: 20 inch to clay at 87 feet. 40 feet; 16 inch from 0 to 110 feet. Pump set at 97 feet. Yield 840 gal-
B-33	15.4	Oct. 22, 1946	T, G, 105	Irr	Casing: lons a minute Apr. 22, 1947. 16 inch to 31 feet; 14 inch to 89 feet, 30 feet perforated. Pump set at 60 feet. Yield 1,100 gallons a minute after 10 days pumping Apr. 12, 1947.
B-34	--	--	None	N	
B-35	11.8	Oct. 21, 1946	T, G, --	Irr	Casing: 16 inch to 37 feet; 13 inch from 0 to 70 feet; 10 $\frac{3}{4}$ inch from 60 to 92 feet, perforated 64 to 92 feet. Pump set at 62 feet. Yield reported 1,100 gallons a minute. See log.
B-36	14.8	do.	T, G, 92	Irr	Casing: 15 $\frac{1}{2}$ inch to 21 feet; 12 $\frac{1}{2}$ inch from 0 to 83 feet, perforated from 60 to 83 feet. Pump set at 63 feet. Yield 980 gallons a minute June 10, 1947. See
B-37	12.6	Oct. 22, 1946	T, G, 65	Irr	Casing: 20 inch to 24 feet; log. 16 inch from 0 to 69 feet. Pump set
B-38	--	--	None	N	Oil test. Altitude at 55 feet. 2,388 feet. See log.
B-39	12.3	Oct. 21, 1946	T, G, --	Irr	Casing: 16 inch to 34 feet; 13 inch to 61 feet, perforated from 34 to 61 feet. Pump set at 43 feet. Yield 1,150 gal-
B-40	13.0	Sept. 27, 1946	T, G, --	Irr	Casing: 16 inch to 22 ture 67° F. feet; 12 $\frac{3}{4}$ inch from 0 to 107 feet, perforated from 74 to 107 feet. Pump
B-41	13.1	do.	T, G, --	Irr	Casing perforated set at 60 feet. from 84 to 144 feet. Pump set at 100
B-42	--	--	T, G, 92	Irr	Casing perforated from 51 to feet. 91 feet. Pump set at 60 feet. Pumping level 52 feet below land surface June 12, 1947. Temperature 68° F. See log.
B-43	29.0	Apr. 14, 1947	T, -	--	Casing: 18 inch to 60 feet; 16 inch from 0 to 190 feet, perforated from 60 to 190 feet. Pump set at 82 feet.
B-44	28.9	do.	- , G	--	Casing: 18 inch to 60 feet; 16 inch from 0 to 180 feet, perforated from 60 to 180 feet. Pump not installed in Apr. 1947.

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
B-45	21½ miles northeast	A. C. Hoover	--	--	67	6
B-46	20½ miles northeast	do.	--	--	48	6
B-47	18½ miles northeast	-- Powell	Bennett-Black, et. al.	1934	1,610	--
B-48	do.	A. C. Hoover	R. L. Cleveland	1946	307	5
B-49	19 miles northeast	Texas-Masterson	Claude Campbell, et. al.	1939	1,722	--
B-50	16½ miles northeast	San Pedro Ranch	Eural M. James	1943	80	2½
B-51	do.	A. A. Gray	McCarty Oil Co.	1929	1,195	--
B-52	17½ miles northeast	Iowa Realty Trust	Western Development Co.	--	1,130	--
B-53	17½ miles north	Lee O. White	Atlantic Refining Co.	1946	6,302	15½, 10", 8"
B-54	16 miles northeast	John R. Bennett	J. W. Grant	1926	1,600+	--
B-55	15 miles northeast	R. G. Heiner	--	1940	--	--
B-56	14 miles northeast	John R. Bennett	Eural M. James	1945	300	8
B-57	13½ miles north	do.	Art Powell	1938	452	8
B-58	15 miles north	do.	--	1940	202	8
B-59	14½ miles north	A. D. Neale	--	1906	100+	6
B-60	16½ miles north	D. C. Ogden Wilson	R. F. Gorman	1941	121	6
B-61	18½ miles north	H. E. Bonebrake	--	1906	300+	6
B-62	16½ miles north	D. C. Ogden Wilson	--	1907	300+	6
B-63	17½ miles northwest	do.	--	1940	645	6
B-64	17 miles northwest	A. D. Neale	--	--	92	6
B-65	10 miles northwest	R. H. Price	Virgil Ryan	1940-1941	500	6
B-66	7½ miles northwest	John Bennett	--	--	Spring	--
B-67	8½ miles northwest	W. C. Tyrell, Trustee	C. A. Everts	--	2,560	--
B-68	9½ miles north	Henry Wilbanks	R. L. Cleveland	1942	470	8
B-69	11½ miles north	Ralph Johnson	--	--	96	6

Well	WATER LEVEL		Method of lift b/	Use of water c/	Remarks d/
	Below or above land surface (ft.) a/	Date of measurement			
B-45	11.8	Feb. 6, 1947	C,W	S	Temperature 63° F.
B-46	22.5	do.	C,W	S	
B-47	--	--	None	N	Oil test. Altitude 2,443 feet. See log.
B-48	65.7	Feb. 6, 1947	C,W	S	Casing perforated from 287 to 307 feet.
B-49	--	--	None	N	Oil test. See log.
B-50	24.4	Oct. 30, 1946	C,W	S	Cased to 60 feet.
B-51	--	--	None	N	Oil test. Altitude 2,524 feet. See log.
B-52	--	--	None	N	Oil test. Altitude 2,537 feet. See log.
B-53	+	Oct. 28, 1946	Flows	--	Water reported from 2,180 to 2,315 feet. Flow reported 400-500 gallons a minute. To be used for irrigation.
B-54	+	Dec. 6, 1946	Flows	S	
B-55	+	Dec. 7, 1946	Flows	--	Water reported from 2,100 feet. To be used for irrigation.
B-56	25.9	Dec. 6, 1946	C,W	S	
B-57	36.6	do.	C,W	S	Cased to 380 feet. Sand reported from 380 to 452 feet.
B-58	35.1	do.	C,W	S	Sand reported from 180 to 202 feet.
B-59	±0.0	Oct. 24, 1946	C,W	S	
B-60	40.1	do.	C,W	S	
B-61	42.9	do.	C,W	S	Temperature 74 $\frac{1}{2}$ ° F.
B-62	43.8	Oct. 23, 1946	C,W	D,S	
B-63	23.0	Oct. 24, 1946	C,W	S	Temperature 79° F.
B-64	74.0	Dec. 7, 1946	C,W	S	Temperature 69 $\frac{1}{2}$ ° F.
B-65	107.2	Nov. 23, 1946	C,W	S	Cased to 250 feet.
B-66	+	Nov. 22, 1946	Flows	S	
B-67	--	--	None	N	Oil test. Altitude 2,747 feet. See log.
B-68	54.9	Oct. 23, 1946	C,W	D,S	Water reported from 70 to 80 and 165 to 470 feet.
B-69	53.1	do.	C,W	S	

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
B-70	12 miles north	-- Streety	John D. O'Mara, et. al.	--	2,210	--
B-71	9½ miles north	John R. Bennett	Dittman, Miller and Adams	--	370	8
B-72	7½ miles north	Harrison Dyche	--	--	200+	--
B-73	9 miles northeast	San Pedro Ranch	R. A. Cleveland	1942	260	2½
B-74	do.	do.	E. M. James	1942	81	2½
B-75	10½ miles northeast	do.	--	--	Spring	--
B-76	11 miles northeast	do.	--	--	Spring	--
B-77	do.	do.	--	--	Spring	--
B-78	do.	do.	E. M. James	1945	70	--
B-79	11½ miles northeast	do.	--	--	Spring	--
B-80	11 miles northeast	do.	N. E. Johnson	1940	1,363	10
B-81	12½ miles northeast	do.	George D. Moore	1946	320	20
B-82	13 miles northeast	do.	E. M. James	1945	81	2½
B-83	12½ miles northeast	A. C. Hoover	--	--	59	6
B-84	13 miles northeast	San Pedro Ranch	James and Weddie	1946	95	2½
B-85	do.	W. W. Turney Est.	--	--	--	--
B-86	do.	H. Johnson	--	--	--	--
B-87	14½ miles northeast	W. W. Turney Est.	Humble Oil & Refining Co.	1945	370	8
B-88	14 miles northeast	A. C. Hoover	--	--	249	6
B-89	do.	The University of Texas	Shell, Roxana & Kirby	1929	3,130	--
C- 1	30 miles northeast	-- McKee	Tex-Mex Petroleum Co.	--	2,725	--
C- 2	28 miles northeast	Mrs. J. A. Bowman	Jack Reinertsen	1946	115	13-3/8, 10 ³ / ₄
C- 3	do.	L. C. Bowman	E. E. Scarbrough	1946	94	14
C- 4	27 miles northeast	H. V. Colls	do.	1946	65	16

Well	WATER LEVEL		Method of lift b/	Use of water c/	Remarks d/
	Below or above land surface (ft.) a/	Date of measurement			
B-70	--	--	None	N	Oil test. Altitude 2,653 feet. See log.
B-71	209.9	Dec. 6, 1946	C,W	S	Oil test. Altitude 2,880 feet. Pluggel back and used for stock. See
B-72	+	Feb. 10, 1943	Flows	S	Flow estimated 30 gallons a minute Feb. 10, 1943. log.
B-73	85.0	Nov. 21, 1946	C,W	S	Cased to 180 feet.
B-74	25.0	do.	C,W	S	Cased to 60 feet.
B-75	+	Apr. 10, 1946	Flows	S	San Simon Spring. Flow 80 gallons a minute May 11, 1943. Temperature 64°C F.
B-76	+	ac.	Flows	S	Johnson Spring. Flow 140 gallons a minute May 12, 1943. Temperature 65°F
B-77	+	May 12, 1943	Flows	S	Travertine Spring.
B-78	19.3	Nov. 21, 1946	C,W	S	Temperature 66° F.
B-79	+	Nov. 21, 1946	Flows	S	Adobe Springs. Flow 170 gallons a minute Oct. 28, 1932.
B-80	+	Oct. 30, 1946	Flows	Irr	Cased to 360 feet. Original flow 15 gallons a minute, increased to 120 gallons a minute by acidizing. Flow 50 gallons a minute Oct. 30, 1946.
B-81	--	--	None	--	Casing: 20 inch to 145 feet. Drilling not completed. See log.
B-82	20.5	Oct. 30, 1946	C,W	S	Temperature 68° F. log.
B-83	21.1	do.	C,W	S	Do.
B-84	14.1	Nov. 21, 1946	C,W	S	
B-85	+	June 6, 1940	Flows	S	"Miracle wells". Flow 625 gallons a minute Oct. 28, 1932; 460 gallons a
B-86	+	ac.	Flows	S	"Turney No. 1". minute May 11, 1943. Flow 2,350 gallons a minute Oct. 28, 1932. Temperature 84° F.
B-87	78.0	Feb. 5, 1947	C,W	D,S	
B-88	199.7	Jan. 28, 1947	C,W	S	
B-89	--	--	None	N	Oil test. Altitude 2,620 feet. See log.
C- 1	--	--	None	N	Oil test. Altitude 2,304 feet. See log.
C- 2	9.5	Oct. 21, 1946	T,G, --	Irr	Casing: 13-3/8 inch to 85 feet; 10 1/2 inch to 115 feet. Pump set at 70 feet.
C- 3	10.5	Jan. 30, 1947	T,G, --	Irr	Casing perforated from 64 to 94 feet. Pump set at 72 feet. Yield 700 gallons
C- 4	15.0	Oct. 22, 1946	T,G, --	Irr	Pump set at a minute June 10, 1947. 45 feet.

Records of wells and springs in Pecks County -- continued

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
C- 5	27 miles northeast	H. V. Colls	E. E. Scarbrough	1946	105	12
C- 6	28 $\frac{1}{2}$ miles northeast	Eugene Grove	Jack Reinertsen	1946	116	14
C- 7	do.	O. L. Grove	do.	1946	101	14
C- 8	29 miles northeast	do.	Ellsworth Greer	1946	113	15 $\frac{1}{2}$, 12
C- 9	do.	-- Young	Rector Oil Co.	1930	2,318	--
C-10	29 $\frac{1}{2}$ miles northeast	C. W. Mitchell	Warren Gann	1946	107	13- 3/8
C-11	do.	do.	do.	1946	107	13- 3/8
C-12	29 miles northeast	R. T. Stribling	do.	1946	104	13- 3/8
C-13	28 $\frac{1}{2}$ miles northeast	A. E. Simmons No. 1	do.	1946	79	16
C-14	do.	A. E. Simmons No. 3	do.	1946	102	16
C-15	27 $\frac{1}{2}$ miles northeast	Buena Vista Gin Co.	--	1946	119	16
C-16	26 $\frac{1}{2}$ miles northeast	L. B. Freeman No. 2	George Moore	1946	96	16
C-17	do.	L. B. Freeman No. 1	E. Holloway, Jack Reinertsen	1946	101	14
C-18	29 $\frac{1}{2}$ miles northeast	George Brown No. 1	Jack Reinertsen	1946	100	15

Well	WATER	LEVEL	Method of lift b/	Use of water c/	Remarks d/
	Above or below land surface (ft.) a/	Date of measurement			
C- 5	12.3	Jan. 30, 1947	T,G, --	Irr	Casing perforated from 70 to 105 feet. Pump set at 60 feet.
C- 6	11.7	do.	T,G, --	Irr	Casing: 13 inch to 40 feet; 14 inch from 0 to 116 feet, perforated from 84 to 114 feet. Pump set at 80 feet.
C- 7	12.1	do.	T,G, 55	Irr	Casing: 20 inch to 30 feet; 14 inch from 0 to 102 feet, perforated from 62 to 102 feet. Pump set at 86 feet. Drawdown 44.5 feet while pumping 1,200 gallons a minute May 1, 1947. Temperature 70° F. See log.
C- 8	9.8	Oct. 22, 1947	T,G, 85	Irr	Casing: 20 inch to 42 feet; 15½ inch from 0 to 87 feet; 12 inch from 87 to 113 feet, perforated from 78 to 113 feet. Pump set at 70 feet. Yield 975 gallons a minute May 1, 1947. Temperature 70° F. See log.
C- 9	--	--	None	N	Oil test. Altitude 2,380 feet. See log.
C-10	17.1	Oct. 25, 1946	T,G, --	Irr	Casing: 13-3/8 inch to 100 feet, perforated from 65 to 100 feet. Pump set at 80 feet.
C-11	11.6	do.	T,G	Irr	Casing: 13-3/8 inch to 100 feet, perforated from 70 to 100 feet. Pump set at 60 feet.
C-12	20.7	Jan. 30, 1947	T,G	Irr	Casing: 13-3/8 inch to 100 feet, perforated from 70 to 100 feet. Pump set at 80 feet. See log.
C-13	19.1	Oct. 25, 1946	T,G, 61	Irr	Casing perforated from 49 to 79 feet. Pump set at 60 feet. Drawdown 20.7 feet while pumping 1.418 gallons a minute Apr. 22, 1947. See log.
C-14	18.9	Jan. 30, 1947	T,G, 61	Irr	Casing perforated from 62 to 102 feet. Pump set at 82 feet. Drawdown 38.8 feet while pumping 890 gallons a minute Apr. 22, 1947. See log.
C-15	14.0	do.	T,G, 90	Irr	Casing perforated from 69 to 119 feet. Pump set at 80 feet.
C-16	13.2	Oct. 22, 1947	T,G, --	Irr	Casing: 20 inch to 40 feet; 16 inch from 0 to 96 feet, perforated from 46 to 96 feet. Pump set at 90 feet. Drawdown 29.0 feet while pumping 1,125 gallons a minute Apr. 22, 1947.
C-17	13.9	Jan. 30, 1947	T,G, --	Irr	Casing: 16 inch to 40 feet; 14 inch from 0 to 100 feet, perforated from 70 to 100 feet. Pump set at 90 feet. Drawdown 25.4 feet while pumping 980 gallons a minute Apr. 22, 1947. Red clay at 104 feet.
C-18	17.4	do.	T,G, 66	Irr	Casing: 20 inch to 32 feet; 15 inch from 0 to 100 feet, perforated from 72 to 100 feet. Pump set at 75 feet. Drawdown 25.7 feet while pumping 1,500 gallons a minute May 1, 1947.

Records of wells and springs in Pecos County -- Continued

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
C-19	29 $\frac{1}{2}$ miles northeast	George Brown No. 2	Jack Reinertsen	1946	109	14
C-20	do.	George Brown No. 3	Gene Watkins	1945	430	7, 5-5/16, 4
C-21	do.	G. C. Holliday	A. L. Cox	1946	105	12 $\frac{1}{2}$
C-22	do.	Antonio Esparza	E. E. Scarbrough	1946	100	16
C-23	30 $\frac{1}{2}$ miles northeast	N. A. Holliday	A. L. Cox	1946	70	14
C-24	do.	F. A. Zeitler	Jack Reinertsen	1946	106	14, 10
C-25	do.	do.	A. L. Cox	1946	105	16
C-26	31 miles northeast	Sid Millsbaugh No. 2	Schooler Drilling Co.	1947	118	18, 16
C-27	30 $\frac{1}{2}$ miles northeast	Sid Millsbaugh No. 1	do.	1947	118	18, 16
C-28	do.	Sid Millsbaugh No. 3	do.	1947	119	18, 16
C-29	30 miles northeast	W. J. Holliday	E. E. Scarbrough	1946	105	18, 16
C-30	do.	do.	do.	1946	102	16, 14
C-31	29 $\frac{1}{2}$ miles northeast	L. C. Holliday	A. L. Cox	1946	95	18, 12 $\frac{1}{2}$
C-32	do.	do.	do.	1946	100	18, 16, 12
C-33	do.	N. A. Holliday	E. E. Scarbrough	1946	100	18, 14
C-34	27 $\frac{1}{2}$ miles northeast	S. Rheinstrom	Humble-Kirby Oil Co.	--	2,375	--
C-35	26 $\frac{1}{2}$ miles northeast	Leona M. Mueller	--	--	64	5

Well	WATER LEVEL		Method of lift	Use of water	Remarks <u>d/</u>
	Below or above land surface (ft.) <u>a/</u>	Date of measurement			
C-19	16.1	Oct. 24, 1946	T,G, 53	Irr	Casing: 16 inch to 65 feet; 14 inch from 0 to 109 feet, perforated from 69 to 109 feet. Pump set at 85 feet. Yield 832 gallons a minute May 1, 1947.
C-20		do.	Flows	--	Flow reported 25 gallons a minute. See log. See log.
C-21	16.5	Jan. 30, 1947	T,G, 41	Irr	Casing: 15 $\frac{1}{2}$ inch to 24 feet; 12 $\frac{1}{2}$ inch from 0 to 78 feet, perforated from 38 to 78 feet. Pump set at 16 feet. See log.
C-22	14.3	Oct. 22, 1946	T,G, --	Irr	Casing: 20 inch to 40 feet; 16 inch from 0 to 100 feet, perforated from 50 to 100 feet. Pump set at 80 feet. Yield 1,080 gallons a minute Apr. 22, 1947. See log.
C-23	9.2	do.	T,G, --	Irr	Pump set at 58 feet. See log.
C-24	9.5	do.	T,G, 42	Irr	Casing: 14 inch to 92 feet, perforated from 5 to 92 feet; 10 inch from 87 to 106 feet, all perforated. Pump set at 60 feet. Drawdown 18.0 feet while pumping 1,008 gallons a minute Apr. 22, 1947. Temperature 70° F. See log.
C-25	10.0	Apr. 22, 1947	T,G, 62	Irr	Casing perforated from 65 to 105 feet. Pump set at 80 feet.
C-26	15.0	June 10, 1947	--	--	Casing: 18 inch to 49 feet; 16 inch to 118 feet, perforated from 68 to 118 feet. Pump not installed in June 1947.
C-27	13.8	do.	T,G, --	Irr	Casing: 18 inch to 48 feet; 16 inch to 113 feet, perforated from 68 to 113 feet. See log.
C-28	13.0	do.	--	--	Casing: 18 inch to 45 feet; 16 inch to 119 feet, perforated from 69 to 119 feet. Pump not installed in June 1947. See log.
C-29	14.2	Jan. 30, 1947	T,G	Irr	Casing: 18 inch to 40 feet; 16 inch to 105 feet, perforated from 57 to 105 feet. Pump set at 80 feet.
C-30	14.7	Oct. 22, 1947	T,G	Irr	Casing: 16 inch to 40 feet; 14 inch to 102 feet, perforated from 62 to 102 feet. Pump set at 70 feet.
C-31	12.5	Oct. 22, 1946	T,G	Irr	Casing: 18 inch to 25 feet; 12 $\frac{1}{2}$ inch to 85 feet, perforated from 35 to 85 feet. Pump set at 60 feet.
C-32	13.7	Oct. 22, 1947	T,G	Irr	Casing: 18 inch to 25 feet; 16 inch to 85 feet; 12 inch to 100 feet, lower 60 feet perforated. Pump set at 50 feet.
C-33	12.8	Jan. 30, 1947	T,G	Irr	Casing: 18 inch to 36 feet; 14 inch to 100 feet, perforated from 68 to 100 feet. Pump set at 70 feet.
C-34	--	--	None	N	Oil test. Altitude 2,351 feet. See log. at 70 feet.
C-35	19.5	Feb. 3, 1947	C,W	S	

Records of wells and springs in Pecos County -- Continued

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
C-36	27 miles northeast	V. W. Crockett	--	--	45	6
C-37	23 miles northeast	G. Redding	P. A. Jones	1946	180	24
C-38	22½ miles northeast	A. C. Hoover	N. A. House	1946	600+	7
C-39	22 miles northeast	Skelley-Masterson	Garrett M. Smith	--	1,490	--
C-40	23 miles northeast	E. C. Powell	--	Old	36	--
C-41	23½ miles northeast	Neal and Ratliff	N. A. House	1946	350	8, 5
C-42	25 miles northeast	J. F. McElroy	Kirby Petroleum Co.	--	2,015	--
C-43	26 miles northeast	Neal and Ratliff	Russell and Beckermann	1946	452	8, 5
C-44	26½ miles northeast	do.	--	1940	358	7
C-45	27 miles northeast	George Adkins	--	--	100	--
C-46	26½ miles northeast	Fields Bros.	--	--	113	6
C-47	22 miles northeast	Iowa Realty Trust	Greene and Davis	1939	1,392	--
C-48	21½ miles northeast	Neal and Ratliff	N. A. House	1946	146	8
C-49	do.	John W. Garner	--	Old	170	--
C-50	19½ miles northeast	Neal and Ratliff	N. A. House	1946	200+	8
C-51	19 miles northeast	A. C. Hoover	--	--	132	8
C-52	18½ miles northeast	Cordova-Union	The California Co.	1927	2,178	--
C-53	15½ miles northeast	A. C. Hoover	N. A. House	1946	307	5
C-54	19½ miles northeast	Ralph Johnson	--	--	115	5
C-55	21½ miles northeast	do.	--	--	87	5
C-56	27 miles northeast	Roy Girvin	--	1932	121	6
C-57	30 miles northeast	Wes Poole	--	--	68	8
C-58	31 miles northeast	Roy Girvin	--	Old	80	8
C-59	do.	J. T. Baker	Harris, Cromell, et. al.	1930	1,847	--
C-60	31½ miles northeast	West Texas Utilities Co. No. 1	--	1930	--	--

Well	WATER LEVEL		Method of lift b/	Use of water c/	Remarks d/
	Below or above land surface (ft.) a/	Date of measurement			
C-36	12.7	Feb. 3, 1947	C,W	S	
C-37	--	--	--	--	Pump not installed in October 1946. See log.
C-38	1.1	Feb. 6, 1947	C,W	S	
C-39	--	--	None	N	Oil test. Altitude 2,426 feet. See log.
C-40	12.6	Feb. 7, 1947	C,W	N	Dug.
C-41	47.9	do.	C,W	S	Casing: 8 inch to 225 feet; 5 inch to 345 feet, perforated from 305 to 345 feet.
C-42	--	--	None	N	Oil test. See log. feet.
C-43	43.1	Feb. 3, 1947	C,W	S	Casing: 8 inch to 125 feet; 5 inch to 450 feet, perforated from 430 to 450 feet.
C-44	36.5 39.1	June 6, 1940 Feb. 3, 1947	C,W	S	Cased to 150 feet. Sand reported at 275 feet and red clay at about 300 feet. Temperature 67° F.
C-45	44.4	Feb. 3, 1947	C,W	S	
C-46	36.4	do.	C,W	S	
C-47	--	--	None	N	Oil test. Altitude 2,444 feet. See log.
C-48	91.8	Feb. 4, 1947	C,W	S	Casing perforated from 106 to 146 feet. Temperature 69° F.
C-49	81.0	do.	C,W	S	Temperature 69° F.
C-50	132.1	do.	C,W	S	Cased to 150 feet.
C-51	113.4	Feb. 5, 1947	C,W	S	
C-52	--	--	None	N	Oil test. Altitude 2,569 feet. See log.
C-53	151.3	Jan. 28, 1947	C,W	S	
C-54	195.3	Jan. 29, 1947	C,W	S	
C-55	77.6	do.	C,W	S	
C-56	102.2	Jan. 31, 1947	C,W	S	
C-57	33.0	Feb. 3, 1947	C,W	S	
C-58	45.2	Jan. 27, 1947	C,W	S	
C-59	--	--	None	N	Oil test. Altitude 2,373 feet. See log.
C-60	--	--	T,E,	N	

Records of wells and springs in Pecos County -- Continued

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
C-61	31 $\frac{1}{2}$ miles northeast	West Texas Utilities Co. No. 2	--	1938	--	--
C-62	do.	West Texas Utilities Co. No. 3	Russell and Peckham	1944	274	15 $\frac{1}{2}$, 12 $\frac{1}{2}$
C-63	do.	West Texas Utilities Co. No. 4	do.	1944	251	15 $\frac{1}{2}$, 12 $\frac{1}{2}$
C-64	do.	West Texas Utilities Co. No. 5	do.	1944	254+	15 $\frac{1}{2}$, 12 $\frac{1}{2}$
C-65	34 miles northeast	Roy Girvin	--	Old	40	48
C-66	32 miles northeast	-- Cordova	-- Bateman	1930	1,851	--
C-67	31 $\frac{1}{2}$ miles northeast	Glen Bedell	--	--	152	6
C-68	31 miles northeast	Roy McDonald	--	--	200	--
D- 1	32 $\frac{1}{2}$ miles west	Mrs. Henry Willbanks	--	--	100	8
D- 2	32 miles west	H. G. Schenson	Dixie Oil Co.	--	5,354	--
D- 3	31 miles west	do.	John Doppleman	--	3,805	--
D- 4	29 $\frac{1}{2}$ miles west	Mrs. Henry Willbanks	--	--	272	8
D- 5	28 $\frac{1}{2}$ miles west	Kennedy Est.	--	--	271	6
D- 6	30 miles west	Mrs. Henry Willbanks	--	--	338	8
D- 7	36 miles west	Fopham Land & Cattle Co.	Floyd and Dodson	1939	5,337	--
D- 8	37 $\frac{1}{2}$ miles west	J. W. Stone	--	1938	620	6
D- 9	38 miles southwest	do.	--	1940	69	6
D-10	34 miles southwest	-- Gray	Humble Oil & Refining Co.	--	6,238	--
D-11	33 $\frac{1}{2}$ miles southwest	Dr. Moore Est.	--	--	370	6
D-12	32 $\frac{1}{2}$ miles west	R. Lindsey	--	--	500	8
D-13	28 miles west	Kennedy Est.	--	--	357	6
D-14	30 miles west	Dr. Moore Est.	--	--	388	6
D-15	31 $\frac{1}{2}$ miles southwest	do.	--	--	236	6

Well	WATER LEVEL		Method of lift b/	Use of water c/	Remarks d/
	Below or above land surface (ft.) a/	Date of measurement			
C-61	--	--	T,E, 30	Ind	Yield reported 295 gallons a minute in June 1938.
C-62	--	--	T,E, 25	Ind	Yield reported 150 gallons a minute. Pumping level 132 feet below land surface Feb. 11, 1947. See log.
C-63	148.1	Jan. 27, 1947	T,E, 30	Ind	Casing: 15 $\frac{1}{2}$ inch to 175 feet; 12 $\frac{1}{2}$ inch from 167 to 251 feet, perforated from 168 to 251 feet. Yield reported 400 gallons a minute. Pumping level 184 feet below land surface Feb. 11, 1947.
C-64	--	--	T,E, 25	Ind	Yield reported 225 gallons a minute. Pumping level 196 feet below land surface Feb. 8, 1947. See log.
C-65	30.0	Jan. 25, 1947	C,W	S	Dug. See log.
C-66	--	--	None	N	Oil test. Altitude 2,393 feet. See log.
C-67	133.3	Jan. 27, 1947	C,W	S	
C-68	106.4	Dec. 14, 1946	C,W	D,S	
D- 1	41.2	May 8, 1947	C,W	S	
D- 2	--	--	None	N	Oil test. Altitude 3,665 feet.
D- 3	--	--	None	N	Oil test. Altitude 3,354 feet. See log.
D- 4	254.0	June 14, 1947	C,W	S	
D- 5	259.4	June 19, 1947	C,W	S	
D- 6	334.3	June 14, 1947	C,W	D,S	
D- 7	--	--	None	N	Oil test. Altitude 3,407 feet. See log.
D- 8	298.3	June 18, 1947	C,W	S	
D- 9	45.5	do.	C,W	D,S	
D-10	--	--	None	N	Oil test. Altitude 3,592 feet.
D-11	239.0	June 14, 1947	C,W	S	
D-12	316.4	June 18, 1947	C,W	S	
D-13	200.0	June 19, 1947	C,W	S	
D-14	249.9	June 9, 1947	C,W	S	
D-15	212.1	June 17, 1947	C,W	S	

Records of wells and springs in Pecos County -- Continued

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
D-16	31½ miles southwest	Gen. Cartledge	--	--	400	6
D-17	35 miles southwest	do.	--	1939	493	6
E-1	26½ miles northwest	C. E. Caldwell	Trans-Texas Oil Co.	--	5,280	--
E-2	25 miles northwest	Emerson Tinkler	--	Old	200+	6
E-3	26 miles west	Texas Highway Dept.	--	1938	225	6
E-4	24½ miles west	H. Alexander	--	--	450	8
E-5	20½ miles west	Kennedy Est.	--	--	162	6
E-6	18½ miles west	do.	--	Old	205	6
E-7	15½ miles west	H. C. Mendel	--	Old	160	6
E-8	18 miles northwest	do.	Eural M. James	1946	190	--
E-9	15½ miles northwest	Mrs. M. C. Mendel	--	--	156	4
E-10	13 miles northwest	Mrs. Webb Courtney	--	--	198	--
E-11	11 miles northwest	Fryor-Courtney	Phillips Petroleum Co.	--	1,397	--
E-12	do.	Dr. D. J. Sibley	--	1943	350	5-7/8
E-13	9 miles northwest	do.	Lawrence Ryan	1943	401	7
E-14	10½ miles northwest	Charles Eldred	-- Sullivan	1940	300	6
E-15	10½ miles west	do.	--	--	215	6
E-16	8½ miles northwest	Southwestern Life Insurance Co.	Buell-Hagen	--	2,933	--
E-17	8 miles west	Mrs. M. L. Mauld	--	Old	222	6
E-18	8½ miles west	R. D. Webb Farms	Honolulu Oil & Refining Co., et.al.	1931	3,098	--
E-19	do.	do.	--	--	Spring	--
E-20	do.	do.	--	1915	322	6
E-21	do.	do.	--	1916	72	--
E-22	do.	do.	--	1916	60	--
E-23	do.	do.	--	1916	322	8

Well	WATER LEVEL		Method of lift b/	Use of water c/	Remarks d/
	Below or above land surface (ft.) a/	Date of measurement			
D-16	261.3	June 17, 1947	C,W	S	
D-17	323.5	June 19, 1947	C,W	S	
E- 1	--	--	None	N	Oil test. Altitude 2,966 feet. See log.
E- 2	153.6	Nov. 27, 1946	C,W	D,S	
E- 3	172.5	June 18, 1942	C,W	F	At roadside park.
E- 4	157.3	June 14, 1947	C,W	D,S	
E- 5	101.7	June 19, 1947	C,W	S	
E- 6	132.5	June 9, 1947	C,W	S	
E- 7	97.3	Nov. 28, 1946	C,W	S	
E- 8	92.6	do.	C,W	S	
E- 9	135.2	Mar. 8, 1940	C,W	D,S	
E-10	156.3 159.4	Apr. 13, 1937 Dec. 4, 1946	C,W	D,S	
E-11	--	--	None	N	Oil test. See log.
E-12	84.0	Dec. 2, 1946	C,W	D,S	
E-13	44.3	Nov. 23, 1946	C,W	S	
E-14	--	--	C,W	S	
E-15	32.7	May 3, 1947	C,W	S	
E-16	--	--	None	N	Oil test. Altitude 3,170 feet. See log.
E-17	93.2	June 18, 1942	C,W	D,S	
E-18	--	--	None	N	Oil test. Altitude 3,054 feet. See log.
E-19	+	Oct. 18, 1946	Flows	Irr	Leon Springs.
E-20	+	Oct. 31, 1946	Flows	Irr	Flow reported 720 gallons a minute. See log.
E-21	+	do.	Flows	Irr	Flow reported 1,300 gallons a minute. See log.
E-22	+	do.	Flows	Irr	Flow reported 600 gallons a minute. See log.
E-23	+	do.	Flows	Irr	Flow reported 1,500 gallons a minute. See log.

Records of wells and springs in Pecos County -- Continued

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
E-24	3½ miles west	R. D. Webb Farms	--	1920	556	6
E-25	do.	do.	-- Haney	1918	316	8
E-26	7½ miles west	Clayton Williams	-- Belding	1943	500	18
E-27	9 miles southwest	R. D. Webb Farms	W. T. Graham	1939	1,550	10
E-28	9¾ miles southwest	Clayton Williams	Humble Oil & Refining Co.	1937	1,375	8½
E-29	do.	do.	Claude Garrett	1946	446	12½
E-30	10 miles west	R. D. Webb Farms	Schkade and Reynolds	1940	1,756	8
E-31	11½ miles southwest	C. L. Thompson	Humble Oil & Refining Co.	--	3,575	--
E-32	13 miles west	George Baker	--	--	220	8
E-33	12 miles west	do.	--	Old	200	8
E-34	14¾ miles west	do.	--	--	232	6
E-35	18½ miles west	Kennedy Est.	--	--	240	8
E-36	20½ miles west	do.	--	--	265	8
E-37	23 miles west	do.	--	--	275	8
E-38	26 miles west	Dr. Moore Est.	--	Old	420	4
E-39	27 miles southwest	do.	--	--	200	6
E-40	31½ miles southwest	Graef Bros.	--	1940	380	8
E-41	27½ miles southwest	-- Townsin	--	--	160	3
E-42	24 miles southwest	Mrs. Jess Elrod	--	--	460	6
E-43	21 miles southwest	do.	--	--	400	8
E-44	16½ miles southwest	Kennedy Est.	--	--	330	6
E-45	10 miles southwest	Clayton Williams	R. L. Cleveland	1945	174	6-5/8
E-46	9½ miles southwest	do.	--	--	146	6
E-47	11 miles southwest	A. C. Mitchell	O. W. Williams	Old	456	8
E-48	12½ miles southwest	Clayton Williams	--	Old	176	6

Well	WATER LEVEL		Method of lift b/	Use of water c/	Remarks d/
	Below or above land surface (ft.) a/	Date of measurement			
E-24	+	Oct. 31, 1946	Flows	Irr	See log.
E-25	+	do.	Flows	Irr	Do.
E-26	50.4	Nov. 30, 1946	T,-	N	Drilled for irrigation. Sand reported from 176 to 276 feet.
E-27	+	Apr. 11, 1946	Flows	Irr	Flow reported about 1,450 gallons a minute before acidizing and about 2,500 gallons a minute after acidizing
E-28	+	Apr. 3, 1944	Flows	Irr	Water reported from Rustler See log. limestone at 1,773 feet.
E-29	66.3	Dec. 17, 1946	T,O, --	Irr	Cased to 780 feet. Drawdown reported 50 feet while pumping 1,250 gallons a minute during test. See log.
E-30	+	Apr. 11, 1946	Flows	Irr	Flow reported 1,500-1,800 gallons a minute. See log.
E-31	+	Apr. 3, 1946	Flows	Irr	Drilled as oil test, used for irrigation. Flow estimated 800 gallons a
E-32	168.8	June 16, 1947	C,W	S	minute. See log.
E-33	85.2	do.	C,W	S	
E-34	172.8	do.	C,W	D,S	
E-35	126.0	June 14, 1947	C,W	S	
E-36	156.1	June 9, 1947	C,W	D,S	
E-37	212.4	do.	C,W	S	
E-38	412.9	do.	C,W	S	
E-39	187.6	May 12, 1947	C,W	S	
E-40	308.4	June 17, 1947	C,W	S	
E-41	192.5	June 18, 1947	C,W	S	
E-42	343.2	June 16, 1947	C,W	S	
E-43	259.5	do.	C,W	S	
E-44	300.4	do.	C,W	S	
E-45	--	--	C,W	S	
E-46	77.8	Nov. 19, 1946	C,W	S	
E-47	169.5	June 15, 1942	C,W	S	See log.
	173.2	Oct. 25, 1946			
E-48	136.5	Nov. 19, 1946	C,W	S	

Records of wells and springs in Pecos County -- Continued

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
E-49	14 $\frac{1}{2}$ miles southwest	Fete McIntyre	--	--	35 ²	--
E-50	18 miles southwest	do.	--	--	252	--
E-51	21 miles southwest	-- Harrison	Pure Oil Co.	--	5,000	--
E-52	do.	J. S. Oats	--	--	1,000	--
E-53	21 $\frac{1}{2}$ miles southwest	do.	--	--	475	--
E-54	19 miles southwest	do.	Pure Oil Co.	--	1,852	--
E-55	18 $\frac{1}{2}$ miles southwest	do.	--	--	330	--
E-56	15 miles southwest	-- Alvis	Penn Oil Co.	1931	3,925	--
E-57	do.	J. S. Oats	--	--	726	3
E-58	15 $\frac{1}{2}$ miles southwest	do.	--	--	840	3
F- 1	10 miles northwest	Dr. D. J. Sibley	Phillips Petroleum Co.	1945	505	--
F- 2	7 $\frac{1}{2}$ miles northwest	Ernest Riggs	N. A. House	1939	300	5- 3/8
F- 3	6 $\frac{1}{2}$ miles northwest	Bishop Smith	Bishop Smith and Earl Holloway	1947	380	16
F- 4	do.	Ernest Riggs	Bishop Smith	1946	334	16
F- 5	8 $\frac{1}{2}$ miles northwest	R. D. Webb Farms	Fisher & Lowry	--	3,256	--
F- 6	5 $\frac{1}{2}$ miles northwest	Riggs & Lewis	--	1941	300	8
F- 7	do.	Ernest Riggs	Earl Holloway	1947	360	16
F- 8	do.	do.	N. A. House	1935	214	6
F- 9	6 miles northwest	do.	--	1935	380	6
F-10	6 $\frac{1}{2}$ miles northwest	Dr. D. J. Sibley	--	Old	400	7
F-11	6 $\frac{1}{2}$ miles north	do.	Lawrence Ryan	1946	436	7
F-12	5 $\frac{1}{2}$ miles north	do.	Major Quimby	Old	3,300	--
F-13	4 $\frac{1}{2}$ miles north	W. B. Barker	Carmine Drilling Co.	1947	515	16
F-14	3 $\frac{1}{2}$ miles northeast	E. R. Dyche	E. R. Dyche	1946	285	--
F-15	2 $\frac{1}{2}$ miles northeast	Dr. J. R. Gallemore	Lawrence Ryan	1944	180	10

Well	WATER LEVEL		Method of lift b/	Use of water c/	Remarks d/
	Below or above land surface (ft.) a/	Date of measurement			
E-49	182.1	June 21, 1947	C,W	S	
E-50	200.5	June 20, 1947	C,W	S	
E-51	--	--	None	N	Oil test. Altitude 3,494 feet. See log.
E-52	214.0	June 20, 1947	C,W	S	"North mill". Water reported from limestone at 410 feet.
E-53	248.7	do.	C,W	D,S	"House mill". Water reported on top of blue shale at 380 feet.
E-54	--	--	None	N	Oil test. Altitude 3,617 feet.
E-55	--	--	C,W	S	"Assibuche mill".
E-56	--	--	None	N	Oil test. Altitude 3,493 feet. See log.
E-57	422.6	June 21, 1947	C,W	S	"East Harper mill". Sand reported from 600 to 726 feet.
E-58	382.7	do.	C,W	S	"East mill". Sand reported from 780 to 840 feet.
F-1	118.5	Nov. 22, 1946	C,W	S	
F-2	+	Dec. 2, 1946	Flows	S	Cased to 194 feet.
F-3	46.5	Apr. 21, 1947	T,O, --	N	Drilled for irrigation, caved in on pump.
F-4	38.9	Dec. 3, 1946	T,G	Irr	Yield reported about 1,000 gallons a minute. See log.
F-5	--	--	None	N	Oil test. Altitude 3,256 feet. See log.
F-6	10.0	Oct. 17, 1946	C,W	S	
F-7	14.2	June 6, 1947	--	--	Drilling for irrigation, not completed in June 1947. See partial log.
F-8	13.1	Dec. 3, 1946	C,W	S	
F-9	+	June 7, 1947	Flows	S	Cased to 90 feet. Sand reported from 300 to 400 feet.
F-10	2.6	Dec. 4, 1946	C,W	S	
F-11	29.6	do.	C,W	S	
F-12	+	Apr. 13, 1946	Flows	S	Flow estimated 15 gallons a minute Apr. 13, 1946.
F-13	23.0	Apr. 10, 1947	--	--	Drawdown reported 200 feet while pumping about 600 gallons a minute during test. Pump not installed in March
F-14	13.3	Oct. 18, 1946	T,E, --	Irr	Pump set at 95 feet. 1947. See log. Yield 275 gallons a minute May 8, 1947.
F-15	70.1	Oct. 23, 1946	--	--	Pump not installed in See log. October 1946.

Records of wells and springs in Pecos County -- Continued

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
F-16	1 $\frac{3}{4}$ miles northeast	Othro Adams	E. M. James	1947	208	--
F-17	3 $\frac{1}{4}$ miles northeast	Lee O. White	Lee O. White	1947	310	12
F-18	3 $\frac{1}{2}$ miles northeast	do.	do.	1947	312	12
F-19	3 $\frac{3}{4}$ miles northeast	do.	Debs Patillo	1946	205	8
F-20	4 miles northeast	E. A. Robertson	--	1946	217	16
F-21	4 $\frac{1}{2}$ miles northeast	Charlie Stone	John Lancaster	1943	110	8
F-22	do.	do.	Ed. Jones	1945	147	10
F-23	do.	B. G. Smith	B. G. Smith	1946	147	--
F-24	5 miles northeast	E. R. Dyche	E. R. Dyche	1946	180	--
F-25	do.	do.	E. M. James	1947	220	--
F-26	5 $\frac{1}{2}$ miles northeast	Harrison Dyche	Carmine Drilling Co.	1947	260	14
F-27	6 miles northeast	San Pedro Ranch	--	--	Spring	--
F-28	7 miles northeast	do.	Weddle & James	1946	81	2 $\frac{1}{2}$
F-29	4 $\frac{3}{4}$ miles northeast	T. L. Robinson	--	--	Spring	--
F-30	7 miles northeast	San Pedro Ranch	E. M. James	1945	80	2 $\frac{1}{2}$
F-31	8 $\frac{1}{2}$ miles northeast	do.	B. A. Shupe	1939	80	2 $\frac{1}{2}$
F-32	9 $\frac{1}{2}$ miles northeast	do.	R. A. Cleveland	1942	82	2 $\frac{1}{2}$
F-33	8 miles northeast	Pryor & Wilson	Mid-Kansas Oil Co.	--	3,330	--
F-34	8 $\frac{1}{2}$ miles northeast	H. D. Ward	--	1940	181	7
F-35	11 miles northeast	The University of Texas	Buell and Hagen	--	3,008	--
F-36	11 $\frac{1}{2}$ miles northeast	do.	--	Old	185	8
F-37	12 miles northeast	do.	--	1924	375	8
F-38	12 miles east	J. C. Cunningham	Pryor and Wilson	1924	250	6
F-39	12 $\frac{1}{2}$ miles southeast	do.	--	1907	300	--
F-40	10 miles east	H. L. Winfield	--	1937	250	6

Well	WATER LEVEL		Method of lift b/	Use of water c/	Remarks d/
	Below or above land surface (ft.) a/	Date of measurement			
F-16	24.4	Feb. 7, 1947	T,E, 10	Irr	Pump set at 59 feet. Yield reported 600 gallons a minute. Sand at 170
F-17	23.2	Apr. 10, 1947	--	--	Cased to 80 feet. Pump not installed in February 1947. feet.
F-18	19.9	Jan. 30, 1947	T,G, 30	Irr	Cased to 132 feet. Pump set at 70 feet. Yield reported 800 gallons a minute. Sand from 156 to 310 feet.
F-19	23.8	Nov. 20, 1946	J,E, --	D	Cased to 165 feet. See log.
F-20	17.7	Oct. 18, 1946	--	--	Yield reported 1,000 gallons a minute during test. Pump not installed in
F-21	15.3	Apr. 21, 1947	T,G, 20	Irr	No casing. Pump set October 1946 at 93 feet. Drawdown 24.2 feet while pumping 260 gallons a minute Apr. 21,
F-22	14.4	Oct. 18, 1946	T,G, --	Irr	Cased to 20 feet. 1947. See log. Pump set at 90 feet. See log.
F-23	20.4	Oct. 2, 1946	T,G, 75	Irr	No casing. Pump set at 96 feet. Yield 746 gallons a minute May 2, 1947.
F-24	19.9	Oct. 18, 1946	T,-, --	N	No casing. See log.
F-25	19.1	May 8, 1947	--	--	No casing. Pump not installed in May 1947.
F-26	39.5	Apr. 14, 1947	T,E, 30	Irr	Cased to 240 feet. Pump set at 70 feet.
F-27	+	Feb. 11, 1943	Flows	Irr	San Pedro Spring.
F-28	19.5	Nov. 21, 1946	C,W	S	"ELT well".
F-29	+	Feb. 11, 1943	Flows	Irr	Cold Spring.
F-30	45.4	Nov. 21, 1946	C,W	D,S	
F-31	33.2	do.	C,W	S	
F-32	30.8	do.	C,W	S	"Bonita well".
F-33	--	--	None	N	Oil test. Altitude 2,802 feet. See log.
F-34	68.8	June 6, 1940	C,W	S	Temperature 71° F.
F-35	--	--	None	N	Oil test. Altitude 2,816 feet. See log.
F-36	--	--	C,W	S	
F-37	--	--	C,W	S	
F-38	208.4	Apr. 14, 1947	C,W	S	
F-39	133.7	Apr. 17, 1947	C,W	D,S	
F-40	186.9	May 2, 1947	C,W	S	

Records of wells and springs in Pecos County -- Continued

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
F-41	9 $\frac{1}{2}$ miles east	L. D. White	--	1939	151	6
F-42	8 miles east	do.	do.	1909	96	8
F-43	8 miles southeast	H. L. Winfield	--	1902	200	6
F-44	7 $\frac{1}{2}$ miles southeast	Roots Est. No. 1	Olson Drilling Co.	--	5,000	--
F-45	6 miles southeast	H. L. Winfield	--	1939	200	6
F-46	4 $\frac{3}{4}$ miles east	Roots Est.	Anderson and Acrey	1933	1,416	--
F-47	5 miles east	J. M. Montgomery	E. M. James	1947	204+	12
F-48	2 $\frac{1}{2}$ miles east	Barney Legin	do.	1947	348	--
F-49	2 miles southeast	Ben Hillger	do.	1947	107	16
F-50	In Fort Stockton	Ralph Reichman	Debs Patillo	1946	233	7
F-51	do.	Santa Fe Railroad	--	--	290	5
F-52	do.	City of Fort Stockton No. 1	--	1927	175	6
F-53	do.	City of Fort Stockton No. 2	Art Powell	1938	193	13
F-54	do.	City of Fort Stockton No. 3	R. A. Cleveland	1946	203	12
F-55	do.	City of Fort Stockton	--	--	190	--
F-56	1 $\frac{1}{2}$ miles southwest	Charles E. Dees	B. L. Shoemaker	1945	385	16
F-57	do.	-- Gonzales	W. Cleveland	1947	235	8
F-58	In Fort Stockton	--	--	--	Spring	--
F-59	2 $\frac{1}{2}$ miles southeast	R. H. Price	-- Morgan	1905	230	8
F-60	do.	C. L. Eaker	--	--	147	6
F-61	2 miles south	O. W. Williams	Shoemaker, et.al.	1929	2,504	--
F-62	3 miles south	C. L. Eaker	C. L. Garrett-- Shoemaker	1947	1,547	6
F-63	3 $\frac{1}{2}$ miles southwest	Dow Fickett	C. L. Garrett	1945	250	16, 10

Well	WATER LEVEL		Method of lift b/	Use of water c/	Remarks d/
	Below or above land surface (ft.) e/	Date of measurement			
F-41	62.3	Apr. 14, 1947	C,W	S	
F-42	67.2	do.	C,W	S	
F-43	111.4	May 2, 1947	C,W	D,S	
F-44	--	--	None	N	Oil test. Altitude 3,059 feet.
F-45	146.5	May 2, 1947	C,W	S	
F-46	--	--	None	N	Oil test. See log.
F-47	--	--	--	--	Drilling not completed in June 1947.
F-48	41.1	May 8, 1947	--	--	Drilling not completed in April 1947.
F-49	55.1	June 7, 1947	--	--	Pump not installed in June 1947.
F-50	56.6	Oct. 18, 1946	J,E, $\frac{1}{2}$	D	Sand at 225 feet.
F-51	48.8	Dec. 15, 1946	T,E, 5	Ind	Cased to 48 feet. Pump set at 130 feet. Yield reported 50 gallons a minute.
F-52	51.4	Oct. 21, 1946	T,E, 15	P	Cased to 160 feet. Pump set at 60 feet. Yield reported 500 gallons a minute.
F-53	--	--	T,E, 25	P	Cased to 161 feet. Pump set at 60 feet. Yield reported 750 gallons a minute. Cavern reported from 174 to 133 feet.
F-54	51.8	Oct. 21, 1946	T,E, 25	P	Cased to 161 feet. Pump set at 60 feet. Yield reported 1,100 gallons a minute.
F-55	--	--	T,E, --	P	
F-56	--	--	T,G, --	Irr	Cased to 200 feet. Pump set at 100 feet. Yield 166 gallons a minute Apr. 21, 1947.
F-57	39.8	Apr. 10, 1947	T,G, --	Irr	Cased to 46 feet. Yield reported 550 gallons a minute.
F-58	+	--	Flows	Irr	Comanche Springs. Yield 18,350 gallons a minute June 17, 1947.
F-59	118.0 121.7	Apr. 15, 1937 Nov. 15, 1946	C,W	D,S	
F-60	72.1 75.2	Apr. 15, 1937 Nov. 14, 1946	C,W	D,S	
F-61	--	--	None	N	Oil test. Altitude 2,980 feet. See log.
F-62	+	June 23, 1947	Flows	Irr	Cased to 1,305 feet. See log.
F-63	97.3	Oct. 50, 1946	T,G, 66	Irr	Casing: 16 inch and 10 inch to 245 feet, perforated from 175 to 215 feet. Pump set at 160 feet. Drawdown 16.5 feet while pumping about 450 gallons a minute Apr. 21, 1947.

Records of wells and springs in Pecos County -- Continued

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
F-64	2 $\frac{3}{4}$ miles southwest	H. D. Chriesman	--	Old	218	6
F-65	3 $\frac{1}{2}$ miles southwest	The University of Texas	Jamison and Pollard	1942	2,968	--
F-66	6 miles west	R. D. Webb Farms	Lawrence Ryan	1925	341	6
F-67	7 $\frac{1}{2}$ miles northwest	do.	--	1938	289	6
F-68	7 miles west	do.	Lockhart & Co.	--	3,300	--
F-69	do.	Clayton Williams	C. L. Garrett	1946	460	12
F-70	7 $\frac{1}{2}$ miles west	do.	--	1903	125	--
F-71	8 miles southwest	Dow Puckett	--	1915	183	6
F-72	7 miles southwest	do.	R. A. Cleveland	--	200	--
F-73	5 miles southwest	The University of Texas	--	Old	148	6
F-74	7 miles southwest	do.	R. A. Cleveland	--	265	4
F-75	7 $\frac{1}{2}$ miles southwest	Dow Puckett	Helmerich and Payne	1938	3,502	--
F-76	8 $\frac{1}{2}$ miles southwest	A. L. Frice	--	1915	198	--
F-77	8 miles southwest	Dow Puckett	R. A. Cleveland	1938	220	--
F-78	8 $\frac{1}{2}$ miles southwest	do.	--	Old	525	8
F-79	10 miles southwest	do.	R. A. Cleveland	1937-1938	380	--
F-80	do.	do.	do.	--	300	--
F-81	11 $\frac{1}{2}$ miles southwest	A. C. Mitchell	--	Old	245	6
F-82	11 miles southwest	Dow Puckett	Humble Oil & Refining Co.	---	3,220	10
F-83	11 $\frac{1}{2}$ miles southwest	do.	do.	---	564	--
F-84	12 $\frac{1}{2}$ miles southwest	do.	R. L. Cleveland	1940	488	--
F-85	11 miles south	Mrs. Rhoda Kelly	--	1945	420	7
F-86	9 $\frac{1}{2}$ miles southeast	J. R. Wade	F. M. Gorman	1943	500	--
F-87	7 miles southeast	do.	do.	1942	500+	--
F-88	5 miles south	Mrs. Rhoda Kelly	--	Old	150	--
F-89	6 miles southeast	-- Wright	The Texas Company	1930	3,504	---

Well	WATER LEVEL		Method of lift b/	Use of water c/	Remarks d/
	Below or above land surface (ft.) a/	Date of measurement			
F-64	93.6	Oct. 25, 1946	C,W	D,S	
F-65	--	--	None	N	Oil test. Altitude 3,087 feet. See log.
F-66	27.2	Oct. 31, 1946	C,W	D,S	See log.
F-67	34.0	do.	C,W	S	Do.
F-68	--	--	None	N	Oil test. Altitude 2,977 feet. See log.
F-69	20.3	Dec. 3, 1946	--	--	Cased to 200 feet. Pump not installed in December 1946. See log.
F-70	54.6	Dec. 17, 1946	C,W	S	"Old Britz well".
F-71	116.0	Nov. 18, 1946	C,W	S	"Richardson well".
F-72	109.5	Nov. 19, 1946	C,W	S	"Railroad well".
F-73	135.8	June 16, 1942	C,W	S	"Five mile well".
F-74	224.5	Nov. 18, 1946	C,W	S	
F-75	--	--	None	N	Oil test. Altitude 3,185 feet. See log.
F-76	163.3	June 15, 1942	C,W	D,S	
F-77	--	--	C,W	S	"Division mill".
F-78	282.0	Nov. 11, 1946	C,W	D,S	
F-79	65.1	do.	C,W	S	"Wildcat mill".
F-80	139.0	do.	C,W	S	"Junk well".
F-81	227.1	June 15, 1942	C,W	D,S	
F-82	--	--	C,W	S	Cased to 440 feet. Water reported from 540 to 560 feet.
F-83	--	--	None	N	
F-84	--	--	C,W	S	
F-85	309.7	Nov. 13, 1946	C,W	S	
F-86	346.4	do.	C,W	S	
F-87	217.0	do.	C,W	S	
F-88	126.5	Nov. 14, 1946	C,W	S	
F-89	--	--	None	N	Oil test. Altitude 3,147 feet. See log.

Records of wells and springs in Pecos County -- Continued

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
F-90	9½ miles southeast	H. L. Winfield	A. T. Fletcher	--	1,930	--
F-91	8½ miles southeast	R. H. Price	--	1899	300	6
F-92	9½ miles southeast	do.	Virgil Ryan	1941-1942	270	--
F-93	11½ miles southeast	W. A. Adams	--	Old	295	8
F-94	do.	R. H. Price	Virgil Ryan	--	270	8
F-95	13½ miles southeast	J. B. Wade	F. M. Gorman	1945	375	7
G-1	4 miles northeast	The University of Texas	--	Old	160	8
G-2	5½ miles northeast	do.	Kirby Petroleum Co.	--	1,356	--
G-3	5½ miles northeast	do.	R. L. Cleveland	1946	375	10
G-4	5 miles northeast	do.	do.	1943	234	5
G-5	1 miles east	do.	--	--	235	5
G-6	1½ miles east	R. P. Hinyard Est.	--	1907	230	6
G-7	1½ miles northeast	Ralph Johnson	--	--	282	6
G-8	1½ miles northeast	do.	--	--	195	6
G-9	2½ miles east	Fonnie Woodward	-- Nevins	1937	335	6
G-10	3 miles northeast	Roy McDonald	--	--	290	6
G-11	3 miles northeast	J. L. Neville	Red Bank Oil Co.	1930	1,795	--
G-12	2 miles east	Roy McDonald	--	--	175	6
G-13	3½ miles east	The University of Texas	N. A. House	1935	200	--
G-14	3½ miles east	do.	W. A. Moncrief	1929	2,097	--
G-15	30 miles east	do.	--	--	125	6
G-16	29 miles east	do.	--	--	200	--
G-17	27½ miles east	White and Baker	--	--	Spring	--
G-18	24½ miles east	Mrs. M. L. McKenzie	Ed. Sullivan	1947	300	8
G-19	22 miles east	R. P. Hinyard Est.	--	1937	188	6

Well	WATER	LEVEL	Method of lift b/	Use of water c/	Remarks d/
	Below or above land surface (ft.) a/	Date of measurement			
F-90	--	--	None	N	Oil test. Altitude 3,015 feet. See log.
F-91	46.6	Nov. 15, 1946	C,W	S	
F-92	70.0	do.	C,W	S	
F-93	262.5	June 16, 1942	C,W	D,S	
F-94	266.3	Nov. 15, 1946	C,W	S	
F-95	275.4	Nov. 13, 1946	C,W	S	
G- 1	98.6	Jan. 28, 1947	C,W	D,S	
G- 2	--	--	None	N	Oil test. Altitude 2,785 feet. See log.
G- 3	138.8	Jan. 28, 1947	C,W	S	
G- 4	186.2	do.	C,W	S	
G- 5	174.7	do.	C,W	D,S	
G- 6	192.5	Jan. 30, 1947	C,W	D,S	
G- 7	191.1	Jan. 29, 1947	C,W	S	
G- 8	--	--	C,W	S	
G- 9	315.9	Dec. 12, 1946	C,W	S	
G-10	59.6	do.	C,W	D,S	
G-11	--	--	None	N	Oil test. Altitude 2,538 feet. See log.
G-12	157.2	Dec. 16, 1946	C,W	S	
G-13	137.2	Apr. 19, 1947	C,W	S	
G-14	--	--	None	N	Oil test. Altitude 2,791 feet. See log.
G-15	72.9	Apr. 19, 1947	C,W	S	
G-16	106.1	Feb. 1, 1947	C,W	S	
G-17	+	May 9, 1947	Flows	S	East Escondido Springs. Flow 25 gallons a minute Jan. 12, 1943.
G-18	23.2	do.	C,W	S	Cased to 45 feet. Sand from 213 to 300 feet.
G-19	83.5	Feb. 1, 1947	C,W	D,S	

Records of wells and springs in Pecos County -- Continued

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
G-20	19 miles east	Clam McKenzie	--	--	114	6
G-21	16 miles east	do.	--	--	157	6
G-22	18 $\frac{1}{2}$ miles southeast	E. W. McKenzie Est.	--	--	95	6
G-23	19 $\frac{1}{2}$ miles east	do.	--	--	Spring	--
G-24	20 $\frac{1}{2}$ miles southeast	Alph Harral	--	--	300	6
H- 1	36 $\frac{1}{2}$ miles northeast	-- Prick	Jayhawk Oil Co.	1929	1,735	--
H- 2	34 $\frac{1}{2}$ miles northeast	Roy McDonald	--	--	160	--
H- 3	34 miles east	do.	--	--	89	6
H- 4	37 miles east	V. G. Neville	Humble Oil & Refining Co.	1928	192	12 $\frac{1}{2}$
H- 5	do.	do.	do.	1928	182	12 $\frac{1}{2}$
H- 6	38 miles east	do.	Lee Bullock	1939	78	8
H- 7	39 miles east	Darrell Warren	do.	1946	236	--
H- 8	do.	do.	do.	1946	138	15 $\frac{1}{2}$
H- 9	do.	Noel Johnston	do.	1947	200	20, 8
H-10	40 miles east	-- Harper	do.	1947	200	--
H-11	40 $\frac{1}{2}$ miles east	V. G. Neville	--	1940	72	6
H-12	42 $\frac{1}{2}$ miles east	Ernest Poer	Brown and Bullock	1946	62	6
H-13	47 miles east	City of McCamey No. 1	Layne-Texas Co.	1929	272	15 $\frac{1}{2}$
H-14	do.	City of McCamey No. 2	do.	1929	354	16

Well	WATER LEVEL		Method of lift b/	Use of water c/	Remarks d/
	Below or above land surface (ft.) a/	Date of measurement			
G-20	53.2	Feb. 1, 1947	C,W	D,S	
G-21	93.0	do.	C,W	S	
G-22	93.7	May 7, 1947	C,W	S	
G-23	+	Jan. 29, 1947	Flows	S	West Escondido or Tunis Springs. Flow 100 gallons a minute Jan. 12, 1943 and 75 gallons a minute May 13, 1943.
G-24	183.8	May 7, 1947	C,W	S	
H- 1	--	--	None	N	Oil test. Altitude 2,310 feet. See log.
H- 2	77.8	Dec. 16, 1946	C,W	S	
H- 3	81.5	do.	C,W	S	
H- 4	--	--	T,E, 30	Ind	Casing: 12 $\frac{1}{2}$ inch to 149 feet; 6-inch screen from 149 to 192 feet, gravel-walled. Pump set at 117 feet. Pumping level 101.5 feet below land surface while pumping about 175 gallons a minute Feb. 2, 1947. See log.
H- 5	60.7	Feb. 2, 1947	T,E, 40	Ind	Casing: 12 $\frac{1}{2}$ inch to 140 feet; 8-inch screen from 139 to 182 feet, gravel-walled. Pump set at 112 feet. Yield reported 430 gallons a minute. See log.
H- 6	65.8	Dec. 14, 1946	C,W	S	
H- 7	56.8	Dec. 9, 1946	--	--	No casing. Pump not installed in April 1947.
H- 8	52.6	do.	T,G, --	Irr	Cased to 9 feet. Pump set at 30 feet. Yield 1,515 gallons a minute May 2, 1947.
H- 9	53.1	Apr. 11, 1947	--	--	Pump not installed in April 1947.
H-10	71.7	June 13, 1947	--	--	Pump not installed in June 1947.
H-11	53.0	Apr. 11, 1947	C,W	S	
H-12	51.5	Apr. 12, 1947	C,W	D,S	
H-13	167.6	Feb. 11, 1947	T,E, 30	P	Casing: 15 $\frac{1}{2}$ inch to 238 feet; 3-inch screen from 232 to 272 feet, gravel-walled. Pump set at 223 feet. Yield reported about 150 gallons a minute.
H-14	143.1	Feb. 10, 1947	T,E, 30	P	Casing: 16 inch to 234 feet; 8-inch screen from 226 to 326 feet, gravel-walled. Pump set at 223 feet. Yield reported 280 gallons a minute. See log.

Records of wells and springs in Pecos County -- Continued

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
H-15	47 miles east	City of McCamey No. 3	Layne-Texas Co.	--	285	8
H-16	46 miles east	Larry and Wilson	--	--	800*	--
H-17	51 miles east	M. A. Smith	Helmerich and Payne	1945	233	7
H-18	50½ miles east	Larry and Wilson	--	Old	225	--
H-19	51 miles east	Worth Odom	R. L. Cleveland	1941	185	6
H-20	47 miles east	Frank A. Perry	Oscar Schneider	1946	315	6
H-21	40 miles east	White and Baker	--	--	150	6
H-22	40½ miles east	Mrs. M. L. McKenzie	--	--	535	6
H-23	38 miles east	The University of Texas	--	1927	300	6
H-24	35 miles east	do.	--	1917	180	6
H-25	33 miles east	do.	--	1929	116	6
H-26	34 miles east	Fred Davidson	N. A. House	1936	192	5½
H-27	37½ miles east	Tom McKenzie	--	--	279	6
H-28	42½ miles southeast	Arthur Harral	R. L. Cleveland	1946	600	--
H-29	46½ miles southeast	do.	Earl Ligon	1920	580	6
H-30	51 miles southeast	H. A. Wimberly	--	--	280	6
I- 1	54 miles east	I. G. Yates Est.	--	1933	170	6
I- 2	55½ miles east	do.	Gulf Oil Co.	1931	225	12½, 6-5/8
I- 3	do.	do.	do.	1936	245	12½, 7
I- 4	55 miles east	M. A. Smith	The California Co.	1927	384	10½, 4
I- 5	58 miles east	Iraan Ice, Gas and Water Co.	Fred Slaughter	1936	210	8
I- 6	do.	do.	Sam Parker	1946	210	7
I- 7	do.	I. G. Yates Est.	--	1928	180	6
I- 8	do.	do.	--	--	190	6
I- 9	do.	do.	Mid-Kansas Oil and Gas Co.	1929	1,245	--

Well	WATER LEVEL		Method of lift b/	Use of water c/	Remarks d/
	Below or above land surface (ft.) a/	Date of measurement			
H-15	--	--	T,E	F	
H-16	--	--	C,W	S	
H-17	--	--	C,E, 2	D	See log.
H-18	194.5	Apr. 28, 1947	C,W	S	
H-19	160.8	May 1, 1947	C,W	S	Cased to 30 feet.
H-20	--	--	C,W	S	
H-21	119.3	Apr. 19, 1947	C,W	S	
H-22	--	--	C,W	D,S	
H-23	75.1	Dec. 9, 1946	C,W	S	
H-24	95.4	do.	C,W	D,S	
H-25	32.3	Dec. 12, 1946	C,W	D,S	
H-26	166.4	Apr. 1, 1947	C,W,E, $\frac{1}{2}$	D	
H-27	253.1	Apr. 15, 1947	C,W	S	
H-28	--	--	C,G, 4	S	
H-29	--	--	C,W	D,S	
H-30	200.5	Apr. 29, 1947	C,W	S	
I- 1	123.1	Apr. 23, 1947	C,W	D,S	
I- 2	168.3	Apr. 24, 1947	C,E, 5	D	Drawdown reported 12 feet while pumping 20 gallons a minute. Sand from
I- 3	--	--	C,E, 5	D,Ind	See log. 190 to 222 feet.
I- 4	--	--	C,E, 5	D,Ind	Cased to 362 feet. See log.
I- 5	165.6	Dec. 13, 1946	C,E, 3	P	
I- 6	--	--	T,E, 5	P	Cased to 156 feet. Pump set at 120 feet. Yield reported 75 gallons a
I- 7	51.1	Apr. 22, 1947	C,E, 2	D	Casing perforated minute. See log. from 160 to 180 feet.
I- 8	53.1	Apr. 23, 1947	C,E, 3	--	Casing perforated from 170 to 190 feet.
I- 9	--	--	None	N	Oil test. Altitude 2,522 feet. See log.

Records of wells and springs in Pecos County -- Continued

Well	Distance from Fort Stockton	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)
I-10	59 miles east	I. G. Yates Est.	Humble Oil & Refining Co.	--	183	5 $\frac{1}{4}$
I-11	do.	do.	do.	1927-1928	212	6
I-12	61 $\frac{1}{2}$ miles east	do.	--	1927	38	6
I-13	54 miles east	M. A. Smith	The California Co.	--	515	--
I-14	do.	M. A. Smith, et. al.	Cardinal Oil Co.	1936	1,743	--
I-15	53 $\frac{1}{2}$ miles east	Charles C. Cannon	--	--	201	6
I-16	56 $\frac{1}{2}$ miles east	H. M. Holmes	N. C. House	1944	180	8, 5
I-17	58 miles east	Mrs. Thomas Thigpin	--	--	210	6
I-18	61 miles east	Bill Monroe	N. E. House	1943	175	6
I-19	63 miles east	do.	--	Old	56	6
I-20	62 $\frac{1}{2}$ miles east	Mrs. Jerry Monroe	--	1930	150	6
I-21	64 $\frac{1}{2}$ miles southeast	J. W. Cannon	--	--	Spring	--
I-22	65 miles southeast	W. F. Smith	Glenn J. Smith	1937	2,692	--
I-23	63 $\frac{1}{2}$ miles southeast	Sheffield Public School	--	--	139	6
I-24	64 $\frac{1}{2}$ miles southeast	H. C. Noelke, Jr.	Sam Parker	1946	180	12 $\frac{1}{2}$

a/ Figures preceded by a plus (+) sign represent water levels above land surface. All others are below land surface.

b/ Method of lift: C, cylinder; Cf, centrifugal; T, turbine; O, diesel or oil; E, electric; G, gasoline or butane; W, windmill. Number indicates horsepower.

Well	WATER LEVEL		Method of lift b/	Use of water c/	Remarks d/
	Below or above land surface (ft.) a/	Date of measurement			
I-10	--	--	C,E, 7½	D	
I-11	--	--	C,E, 7½	D	
I-12	33.4	Apr. 23, 1947	C,W	D,S	
I-13	--	--	C,E, --	D	See log.
I-14	--	--	None	N	Oil test. Altitude 2,810 feet. See log.
I-15	190.9	May 1, 1947	C,W	S	
I-16	143.3	Apr. 28, 1947	C,W	S	
I-17	95.6	Apr. 29, 1947	C,W	S	
I-18	148.0	Apr. 22, 1947	C,W	S	
I-19	33.5	Dec. 13, 1946	C,W	S	
I-20	92.2	Apr. 24, 1947	C,W	S	
I-21	+	Aug. 17, 1943	Flows	S,Irr	Pecos Springs. Flow 210 gallons a minute Aug. 17, 1943.
I-22	--	--	None	N	Oil test. See log.
I-23	117.9	Apr. 22, 1947	C,E, 1	P	
I-24	75.3	Apr. 11, 1947	T,E, 50	Irr	No casing. Pump set at 165 feet. Yield reported 350 gallons a minute.

c/ Use of water: D, domestic; Ind, industrial; Irr, irrigation; P, public supply; S, stock; N, not used.

d/ Altitude from driller's log.

Table of drillers' logs, Pecos County, Texas

	Thickness (feet)	Depth (feet)
<u>Well A-30</u>		
A. Kloh, 18 miles northwest of Fort Stockton.		
Clay and gravel	35	35
Gravel	110	145
Clay	90	235
Gravel, water	40	275
Clay	165	440
Blue shale	50	490
Lime	95	585
Shale and gravel	30	615
Blue gumbo and shale	45	860
Gray lime	30	890
Blue shale	25	915
Gray lime	17	932
White and gray sand, fresh water	37	969
Blue shale	6	975
Sand	170	1145
Green shale	10	1155
Sand	140	1295
Green shale	15	1310
Sand	15	1325
Red rock and pink shale	45	1370
Red sandy shale, water	105	1475
Red rock	20	1495
Red sandy shale, water	110	1605
Red sandy shale	65	1670
Red shale	50	1720
Gray shale	55	1775
Red shale	10	1785
Gray shale	6	1791
Red shale and red rock	587	2378
Anhydrite	52	2430
Gray lime	35	2465
Blue shale and shell	15	2480
Gray lime	70	2550
Anhydrite	58	2608
Gray lime	5	2613
Anhydrite	272	2885
Gray lime	25	2910
Gray lime and anhydrite	25	2935
Anhydrite and lime snell	10	2945
Anhydrite	15	2960
Gray lime	10	2970
Anhydrite	135	3105

	Thickness (feet)	Depth (feet)
<u>Well A-31, partial log</u>		
A. H. Robertson, 16 miles northwest of Fort Stockton.		
Surface material	20	20
Gravel and caliche	151	171
Rock, shale and gravel	186	357
Caliche, shale and red beds	341	698
Shale and lime	67	765
Shale, gravel and lime	22	787
Shale and lime	154	941
Limestone	36	977
Shale and lime	30	1007
Shale, gravel and sand	57	1064
Shale and lime streaks	15	1079
Shale, gravel and lime	61	1140
Lime and shale	101	1241
Sandy lime	30	1271
Shale and lime	6	1277
Lime and sand streaks	18	1295
Red beds, shale, lime and sand	1067	2302
Shale and anhydrite	22	2324
Anhydrite	36	2360
Anhydrite and lime	776	3136
Gypsum and anhydrite	70	3206
TOTAL DEPTH		5368

<u>Well B-2</u>		
J. T. Netterville, 31 miles north of Fort Stockton.		
Alluvium:		
Sand	15	15
Caliche	5	20
Sandy red clay	10	30
Gravel	10	40
Permo-Triassic:		
Red sandy shale	110	150
Red sand	312	462
Red rock and shale	395	857
Red rock	263	1120
Blue shale	20	1140
Red rock	100	1240
(Continued on next page)		

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well B-2 -- continued</u>		
Rustler formation:		
Anhydrite and limestone	110	1350
Blue shale	10	1360
Anhydrite, sulphur water at 1,430 feet	73	1453
Anhydrite and limestone	167	1600
Castile formation:		
Salt and anhydrite	20	1620
Anhydrite	10	1630
Anhydrite and salt	15	1645
Anhydrite	40	1685
Salt	10	1695
Anhydrite	10	1705
Blue shale	5	1710
Anhydrite	215	1925
Salt and anhydrite	35	1960
Anhydrite	60	2020
Delaware formation:		
Brown limestone	115	2135
Limestone and sandy limestone	265	2400

	Thickness (feet)	Depth (feet)
<u>Well B-4</u>		
J. J. Dorr, 26 $\frac{1}{2}$ miles north of Fort Stockton.		
Alluvium:		
Yellow clay	50	50
Sand and gravel, water	20	70
Permo-Triassic:		
Red rock	90	160
Sand, water	20	180
Red and sandy shale	560	740
Red shale and gypsum	150	890
Rustler formation:		
Anhydrite	40	930
Brown dolomite, water at 937 feet	25	955
Gray dolomite	20	975
Blue shale	39	1014
Anhydrite and limestone	146	1160
Anhydrite	190	1350
Castile formation:		
Salt and anhydrite	50	1400
Anhydrite	95	1495
Salt	10	1505
Anhydrite	20	1525
Salt and anhydrite	235	1760
Anhydrite	100	1860

	Thickness (feet)	Depth (feet)
<u>Well B-4 -- continued</u>		
Delaware formation:		
Gray limestone and anhydrite	90	1950
Calcareous sandstone	150	2100
Sandy limestone	309	2409

	Thickness (feet)	Depth (feet)
<u>Well B-5</u>		
J. C. Trees, 24 miles north of Fort Stockton.		
Alluvium:		
Surface	10	10
Caliche	10	20
Permo-Triassic:		
Red rock	40	60
Fresh water at 25 feet.		
Red rock and red sand	140	200
Brown sand and gravel	10	210
Red sand	60	270
Sandy shale	30	300
Red sand	25	325
White sand	5	330
Red rock	45	375
Brown sand and gravel	5	380
Brown sand	40	420
Red rock	415	835
Rustler formation:		
Blue shale	65	900
Sand, flowing sulphur water at 930 feet	50	950
Limestone, water	50	1000
Anhydrite, lime and red rock	12	1012
Brown limestone	18	1030
Gray limestone	45	1075
Brown limestone	8	1083
Blue shale	17	1100
Anhydrite and limestone	18	1118
Blue shale	7	1125
Limestone	45	1170
Castile formation:		
Anhydrite	10	1180
Anhydrite and gray lime- stone	230	1410
Brown limestone	15	1425
Anhydrite and gray lime- stone	70	1495
Hard gray limestone	70	1565

(Continued on next page)

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well B-5 -- continued</u>		
Delaware formation:		
Brown limestone	5	1570
Dark sandy limestone	46	1616
Brown sand	4	1620
Dark limestone	30	1650
Gray limestone and green shale	33	1683
Gray limestone, sulphur water	37	1720
Dark sandstone	19	1739
Gray sandy limestone	69	1808
Black limestone	26	1834
Gray limestone	94	1928
Flowing sulphur water at 1,928 feet.		

<u>Well B-7</u>		
J. C. Trees, 26 $\frac{1}{2}$ miles northwest of Fort Stockton.		
Alluvium:		
Caliche	70	70
Sand, water	10	80
Cretaceous:		
Limestone	40	120
Shale	180	300
Limestone	10	310
Blue shale	10	320
Sandstone, water	30	350
Limestone	70	420
Sharp-grained sandstone	20	440
Limestone	50	490
Sandstone	40	530
Shale	10	540
Permo-Triassic:		
Red rock	140	680
Limestone	30	710
Shale	20	730
Sandstone and gravel	140	870
Water at 775 and 820 feet		
Red shale	100	970
Red rock	105	1075
Sandy "limestone", water	100	1175
Red shale	15	1190
Red sandstone, water	10	1200
Red sandy shale	200	1400
Red sandstone	300	1700
Red shale	70	1770
Rustler and Castile formations:		
Hard white limestone	20	1790
Limestone	60	1850
Anhydrite	25	1875
Limestone	25	1900

	Thickness (feet)	Depth (feet)
<u>Well B-7 -- continued</u>		
Rustler and Castile formations--cont.		
Anhydrite	10	1910
Sandstone, sulphur water	10	1920
Limestone	80	2000
Blue sandstone	35	2035
Blue shale	15	2050
Limestone and shale	250	2300
Salt and anhydrite	610	2910
Delaware formation:		
Black limestone	180	3090
Limestone		
Sandstone	302	3390
Flowing sulphur water at 3,255 feet.		

<u>Well B-12</u>		
A. LeFevre, 22 miles northwest of Fort Stockton.		
No log	170	170
Cretaceous:		
Shale	70	200
Water at 190 feet		
Limestone	200	400
Dark blue-gray gypsiferous shale	50	430
Gray argillaceous limestone and marl	80	510
Tan limestone with red shale and sandstone	15	525
Water at 525 feet		
Calcareous white shale	20	545
Calcareous fine-grained sand	20	565
Calcareous gray shale	10	575
Calcareous sand	50	625
Red shale	10	635
Red and gray shale	15	650
Conglomerate	15	665
Red sandy shale	20	685
Calcareous brown sand and sandy limestone	15	700
Calcareous gray shale	10	710
Conglomerate	50	760
Permo-Triassic:		
Coarse-grained red sand	30	790
Red argillaceous sand	10	800
(Continued on next page)		

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well B-12 -- continued</u>		
Permo-Triassic -- continued:		
Water at 825 feet		
Coarse-grained red sand	60	860
Water at 855 feet		
Red shale	10	870
Red and blue shale	10	880
Red shale	50	930
Gray sandy shale	10	940
Coarse-grained white sand	10	950
Water at 960 feet		
Red shale	125	1075
Red gypsiferous shale	40	1115
Red sandy shale	35	1150
Red shale	80	1230
Sulphur water at 1,230 feet		
Red argillaceous sand	25	1255
Red shale	220	1475
Red and gray shale	10	1485
Red shale	25	1510
Red shale and gray lime	10	1520
Red shale	30	1550
Gypsiferous red shale	10	1560
Red shale	270	1830
Gypsiferous red shale	10	1840
Rustler and Castile formations:		
Anhydrite and gypsum	20	1860
Anhydrite and red shale	30	1890
Gray and red shale	10	1900
Red shale	25	1925
Samples missing	112	2037
Sulphur water at 2,034 feet		

Well B-14

H. E. Donebroke, 19½ miles north of Fort Stockton.

Soil	28	28
Yellow sand	47	75
Blue shale	26	101
Red rock and sand	86	187
Gray lime	13	200
Red rock	7	207
Gray lime	3	210
Red sand	262	472
Blue shale	3	475
Blue sand	20	495
Red sand	110	605
Sandy red rock	45	650

	Thickness (feet)	Depth (feet)
<u>Well B-14 -- continued</u>		
Water sand, caving	10	660
Red rock	135	795
Sandy red rock	105	900
White sand	30	930
Sandy red rock	243	1173
Gypsum	9	1182
Red rock	13	1195
Sandy red rock	20	1215
Red rock and blue shale	10	1225
Anhydrite	48	1273
Black sticky shale	2	1275
Anhydrite	5	1280
Sandy lime	25	1305
Sand, sulphur water	15	1320
Gray sand	44	1364
Lime	6	1370
Hard fine-grained sand	6	1376
Shale and broken lime	14	1390
Blue sandy shale	5	1395
Sandy lime	13	1408
Blue sandy lime	12	1420
Blue shale	5	1425
Sandy lime	5	1430
Gray sand	10	1440
Sandy lime	35	1475
Pink shale	10	1485
Sandy shale	35	1520
Anhydrite and gypsum	10	1530
Sandy shale	25	1555
Anhydrite and lime	15	1570
Missing	330	1900
Gray lime	14	1914
Anhydrite	31	1945
Anhydrite and lime	59	2004

Well B-17

H. J. Eaton, 22 miles north of Fort Stockton.

Gravel	19	13
Caliche	11	30
Sand, gravel and water	16	46
Light shale	79	125
Sand and gravel	10	135
Shale	77	212
Gravel	3	215
Pink shale	13	228
Sand and gravel	11	239

(Continued on next page)

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well B-17 -- continued</u>		
Red beds	156	385
Sandy shale and brown shale	35	420
Red rock	70	490
Gravel and lime	36	526
Shale and gypsum	5	531
Sand, water	15	546
Sand and lime	6	552
Lime	8	560
Green shale	12	572
Lime	4	576
Shale	32	608
Hard gray lime	32	640
Missing	22	662
Blue shale	4	666
Lime	16	682
Anhydrite	23	705
White shale and lime shells	19	724
Lime and some shale	47	771
Shale and red rock	19	790
Anhydrite and shale breaks	42	832
Lime and anhydrite	21	853
Salt	17	870
Lime and anhydrite	20	890
Sand, water	10	900
Lime, salt and anhydrite	442	1342
Lime and anhydrite	173	1515
Shale and anhydrite	15	1530
Anhydrite	20	1550
Sandy shale and lime	52	1602
<u>Well B-18</u>		
Richard Cochran, 21 miles northeast of Fort Stockton.		
Soil	7	7
Caliche	8	15
White sand	10	25
Gravel, water	10	35
Mud	35	70
White mud	26	96
Gravel	24	120
White mud	10	130
Pink shale, tough	10	140
Shale	6	146

	Thickness (feet)	Depth (feet)
<u>Well B-25</u>		
G. C. Holliday, 23 miles northeast of Fort Stockton.		
Soil	8	8
Caliche, hard	17	25
Clay	20	45
Clay and gypsum	10	55
Caliche, hard	15	70
Caliche, small seep water	5	75
Sticky clay	20	95
Clay and sand	10	105
Streaks of sand and clay	5	110
Clay and sand	15	125
Sand and gravel	11	136
Blue shale	13	149

	Thickness (feet)	Depth (feet)
<u>Well B-27</u>		
Scharff and Blackman, 24 $\frac{1}{2}$ miles northeast of Fort Stockton.		
Clay	60	60
Water sand	40	100
Slate	92	192
Sand and gravel	36	228
Blue shale, sand and gravel	24	252
Red rock	213	465
Hard white limestone (Water at 505 feet)	65	530
Shale, anhydrite and sand	80	610
Limestone	10	620
Shale	20	640
Red shale and sandstone (Water at 675 feet)	60	700
Anhydrite	180	880
Salt and anhydrite	375	1255
Anhydrite	85	1340
Limestone	60	1400
Limestone and anhydrite	540	1940
Sandstone and limestone	220	2160
Flowing sulphur water at 2,160 feet.		

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well B-28</u>		
Hal Burnett No. 1, 27 $\frac{1}{8}$ miles northeast of Fort Stockton.		
Soil	20	20
Gypsum	5	25
Unknown	23	48
Sand rock	3	51
Sand and gravel	38	89
Red beds	2	91

	Thickness (feet)	Depth (feet)
<u>Well B-35</u>		
L. A. Heagy, 29 miles northeast of Fort Stockton.		
Surface	17	17
Quicksand	10	27
Clay and gravel	4	31
Sand and fine gravel	8	39
Coarse gravel	6	45
Sand and gravel	18	63
Sand rock	3	66
Pea gravel	23	89
Red clay	3	92

	Thickness (feet)	Depth (feet)
<u>Well B-36</u>		
Bob Simson, 28 miles northeast of Fort Stockton.		
Surface	11	11
Quicksand	7	18
Tight sand, no water	5	23
Red clay	1	24
Tight sand, no water	4	28
Gravel and little sand, water	16	44
Tight sand, no water	9	53
Pea gravel	30	83

	Thickness (feet)	Depth (feet)
<u>Well B-38</u>		
M. M. McFrancis, 26 miles northeast of Fort Stockton.		
Soil	10	20
Gravel	70	90
Red clay	30	120

	Thickness (feet)	Depth (feet)
<u>Well B-38 -- continued</u>		
Pink limestone	3	123
Gravel, water	27	150
Red clay	5	155
Gravel	30	185
Red beds, water	15	200
Missing	200	400
Red beds and limestone	30	430
Blue shale	35	465
Red beds shale and limestone	250	715
Anhydrite	15	730
Red beds	20	750
Salt and anhydrite	345	1095
Sandstone, anhydrite and limestone (water from 2352-59)	1264	2359

	Thickness (feet)	Depth (feet)
<u>Well B-42</u>		
Cecil Simmons, 25 $\frac{1}{8}$ miles northeast of Fort Stockton.		
Soil	14	14
Clay and gravel	26	40
Sand and gravel	8	48
Clay and gravel	8	56
Sand and gravel	10	66
Sand rock	6	72
Red sand and clay	7	79
Water gravel	15	92
White clay	3	95

	Thickness (feet)	Depth (feet)
<u>Well B-47</u>		
-- Powell, 18 $\frac{1}{8}$ miles northeast of Fort Stockton.		
Soil	3	3
Caliche	22	25
Sand and gravel, water	25	50
Red shale	4	54
Sand and caliche	16	70
Sand and gravel, water	10	80
Red beds	90	170
Blue shale and gypsum	8	178
Brown lime	17	195
Gray shale	205	400
Not recorded	5	405
Sandy lime, water	7	412

(Continued on next page)

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well B-47 -- continued</u>		
Anhydrite and lime	6	418
Gray shale	12	430
Blue shale and sand	25	455
Red beds	19	474
Blue shale	46	520
Sandy lime and anhydrite	5	525
Blue shale	2	527
Anhydrite and shale	22	750
Hard lime and anhydrite	20	770
Blue shale	5	775
Anhydrite	20	795
Brown lime, sulphur water at 800 feet	20	815
Anhydrite	42	857
Blue shale	23	880
Salt	13	893
Anhydrite	37	930
Brown lime	5	935
Anhydrite and lime	20	955
Anhydrite and shale	10	965
Anhydrite and lime	441	1406
Hard sand	9	1415
Lime and anhydrite	147	1562
Lime, anhydrite and green shale	12	1574
Lime and sand, sulphur water	36	1610

Well B-49

Texas-Masterson, 19 miles northeast of Fort Stockton.

Surface soil and caliche	28	28
Water sand and gravel	10	38
Gray shale	37	75
Gravel, water	5	80
Gray shale	25	105
Gray lime	5	110
Gravel, water	5	115
Red shale	35	150
Gray shale	30	180
Gray lime	30	210
Gravel	66	276
Red beds	34	310
Gravel	10	320
Gravel and yellow shale	35	355
Shale	5	360

	Thickness (feet)	Depth (feet)
<u>Well B-49 -- continued</u>		
Sand and gravel	31	391
Red beds	29	420
Sand	5	425
Red beds	25	450
Blue shale	35	485
Anhydrite	5	490
Gravel, water	12	502
Shale and anhydrite	193	695
Soapstone	6	701
Blue shale and red beds	5	706
Gypsum	28	734
Anhydrite and blue shale	216	950
Sand, sulphur water	5	955
Anhydrite and lime	299	1254
Brown anhydrite, shale	46	1300
Lime and anhydrite	242	1542
Lime	56	1598
Anhydrite	9	1607
Brown, gray and sandy lime	45	1652
Lime and shale	4	1656
Hard lime	29	1685
Sand	6	1691
Gray lime and sand	31	1722

Well B-51

A. A. Gray, 16½ miles northeast of Fort Stockton.

Lime	30	30
Green, yellow and white shale, water	35	65
Red rock	130	195
Blue shale	95	290
Sand, water	3	293
Blue shale	52	345
Green sandy lime, sulphur water	35	380
Blue shale	45	425
Green lime	20	445
Blue shale	20	465
Green lime	10	475
Red rock	10	485
Lime	15	500
Anhydrite	60	560
Green lime	15	575
Anhydrite and blue shale	100	675

(Continued on next page)

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well B-51 -- continued</u>		
Green lime and anhydrite	192	867
Green and blue shale	51	918
Anhydrite	16	934
Blue shale	21	955
Lime and anhydrite	130	1085
Blue shale	25	1110
Sand	4	1114
Brown shale	26	1140
Hard lime	12	1152
Sand	10	1162
Lime	33	1195

Well B-52

Iowa Realty Trust, 17 $\frac{1}{2}$ miles northeast of Fort Stockton.

Surface	10	10
Caliche and gravel	30	40
White clay	5	45
Gravel	5	50
White clay	10	60
Gravel	21	81
Soft sandy red shale, water	6	87
Gravel and red shale	7	94
Sandstone and gravel	21	115
Red and buff sandstone	84	199
Red and blue shale and sandy shale	111	310
Gray and green sandstone	16	326
Blue shale and sandy gypsum	149	475
Gray, brown and blue sand, water at 430 feet	26	511
Hard green shale	7	518
Hard white lime	22	540
Hard blue shale	9	549
Hard gray lime	43	592
Blue shale	7	599
Gray sand	6	605
Blue shale	5	610
Sand	10	620
Shale	6	626
Gypsum, anhydrite and dolomite	49	675
Lime and dolomite	12	687
Lime and sandy lime	53	740
Pink shale and anhydrite	10	750
Gray lime	5	755
Lime and shale	5	760

	Thickness (feet)	Depth (feet)
<u>Well B-52 -- continued</u>		
Lime, gypsum and dolomite	78	838
Hard black sand, water at 847 feet	12	850
Lime and gypsum	24	874
Sand	6	880
Limestone	39	919
Hard sand	9	928
Limestone and gypsum	10	938
Sandy lime	57	995
Gypsum and sand	35	1030
Hard sand	30	1060
Gray lime	70	1130

Well B-67, partial log

W. C. Everts, Trustee, 8 $\frac{1}{2}$ miles north-west of Fort Stockton.

Caliche, water	30	30
Caliche and gravel, water	15	45
White lime	95	140
Blue shale	12	152
Lime	13	165
Blue shale	10	175
Lime	5	180
Blue shale and lime	145	325
White lime, water	88	413
Gray lime	11	424
Blue shale, water at 445 feet	33	457
Blue shale and lime shells	8	465
Lime	15	480
Sand, water	47	527
Blue shale	28	555
Water sand	10	565
Sandy shale	12	577
White lime	4	581
Lime and shale	71	652
Red rock	18	670
Lime	3	673
Sandy red rock	2	675
Gray lime	6	681
Red shale	17	695
Red beds	5	700
Blue shale	10	710
Red rock	12	722
Sand	3	725
Red and blue shale	30	755
Red beds	20	775
Red sandy shale	75	850

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Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well B-67, partial log -- continued</u>		
Water sand	5	855
Red rock and sandy shale	437	1292
Blue shale	28	1320
Red rock and gypsum	8	1328
Lime	6	1334
Gypsum	6	1340
Sandy red rock	11	1351
Blue shale	359	1710
Lime	10	1720
Red rock	55	1775
Anhydrite and lime	33	1808
Lime and blue shale	47	1855
Lime and anhydrite	7	1862
Lime, water	11	1873
Lime and anhydrite, water at 1873 feet	17	1890
Water at 2,160 feet.		
TOTAL DEPTH		2560

Well B-70

-- Streety, 12 miles north of Fort Stockton.

Soil	5	5
Lime	20	25
Yellow shale	30	55
Gray lime	55	110
Blue shale	100	210
Sandy gray lime	60	270
Sand and water	30	300
Gray lime	25	325
Dry sand	25	350
Blue shale and lime	100	450
Anhydrite	40	490
Red beds	5	495
Anhydrite	25	520
Sand and water	30	550
Red beds and sand, (water at 625 feet)	110	660
Blue shale	15	675
Sand and red beds	185	860
Sand, water	25	885
Red beds	90	975
Lime	10	985
Red beds	190	1175
White gypsum	25	1200
Red beds and shale	380	1580
Green, red and gray shale	15	1595
White gypsum	5	1600

	Thickness (feet)	Depth (feet)
<u>Well B-70 -- continued</u>		
Sandy lime and shale	75	1675
Sand and water, sulphur odor	10	1685
Lime and shale	315	2000
Sand and anhydrite	40	2040
Broken lime	60	2100
Sand and anhydrite	30	2130
Gray lime	30	2210

Well B-71

John R. Bennett, 9½ miles north of Fort Stockton.

Lime	65	65
Clay	15	80
Blue and gray shale	170	250
Yellow sand	40	290
Blue and sandy shale	60	350
Quicksand	55	405
Blue shale	7	412
Quicksand	75	490
Red shale	7	497
Quicksand and shale	143	640
Red rock and shale	100	740
Brown shale	25	765
Red rock	225	990
Sand	90	1080
Red rock	195	1275
Red shale and lime shells	197	1472
Blue shale	13	1485
Anhydrite and lime	60	1545
Water sand	13	1558
Gray lime	62	1620
Missing	99	1719
Anhydrite	111	1830
Gray sand	8	1838
Anhydrite, sulphur water	267	2105
Sand	4	2109
Sandy lime	11	2120
Anhydrite	35	2155
Sandy lime, water	12	2167
Anhydrite	60	2227
Sandy lime	13	2240
Salt	12	2252
Anhydrite	31	2283

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well B-80</u>		
San Pedro Ranch, 11 miles northeast of Fort Stockton.		
Alluvium:		
Surface	10	10
Caliche	12	22
White clay (gypsum?)	21	43
Cretaceous:		
Shale and limestone	8	51
Yellow clay	31	82
Water at 51 feet rose to within 10 feet of surface.		
Hard gray limestone	21	103
Yellow sand and shale	49	152
Good water at 105 feet rose to within 35 feet of surface.		
Gray sand rock	66	218
Gray shale	26	244
Limestone and shale	31	275
Sand - Big water at 287 feet rose to within 10 feet of surface		
	12	287
Permo-Triassic:		
Red bed	10	297
Soft limestone (gypsum?)	12	309
Anhydrite	16	325
Red beds and red rock	853	1178
Shale and anhydrite	42	1220
Rustler formation:		
Anhydrite	19	1239
Porous limestone, flowing sulphur water		
	7	1266
Gray limestone	12	1278
Limestone and anhydrite	65	1343
Limestone	21	1364

	Thickness (feet)	Depth (feet)
<u>Well B-81</u>		
San Pedro Ranch, 12 $\frac{1}{2}$ miles northeast of Fort Stockton.		
Surface soil	4	4
Caliche	14	18
Gravel, sand, water	2	20
Caliche, gypsum, soft limestone, shales and clays		
	65	85
Clay and gravel	15	100
Hard gray limestone	22	122
Red shale	5	127
Sandy lime	7	134

	Thickness (feet)	Depth (feet)
<u>Well B-81 -- continued</u>		
Gravel and sand, water	3	142
Red rock	19	161
Hard gray lime, water	12	173
Red rock	6	179
Red and gray sand	8	187
Red rock	133	320

	Thickness (feet)	Depth (feet)
<u>Well B-89</u>		
The University of Texas, 14 miles northeast of Fort Stockton.		
Yellow mud and gravel	75	75
Blue slate	5	30
Yellow mud and gravel	20	100
Lime	5	105
Gravel	35	140
Anhydrite	8	148
Blue shale	22	170
Water sand	3	173
Anhydrite	5	178
Blue shale	20	198
Anhydrite and sand, water at 243 and 402 feet		
	242	440
Blue shale	5	445
Anhydrite	35	480
Water sand	13	493
Anhydrite	32	525
Brown lime and anhydrite	230	755
Blue shale	2	757
Hard sand, sulphur water	30	787
Lime, water	101	888
Hard green lime, water	62	950
Brown and gray sandy lime	75	1025
Hard green lime, water	20	1145
Rotten lime, water	25	1170
Blue slate	4	1174
Hard green lime	71	1245
Blue slate	5	1250
Green lime (some sandy)	425	1685
Brown lime, water	165	1850
Green and brown lime, sulphur water		
	75	1925
Green lime	20	1945
Brown lime, water	80	2025
Hard green lime	127	2152
Dark brown lime	8	2160
Hard green lime	82	2242
Brown lime	23	2265
Green lime, water	165	2430

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Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well B-89 -- continued</u>		
White sandy lime	75	2505
Green lime	38	2543
Brown and gray lime, sulphur water at 3,115-3,120 feet	2661	5204

<u>Well C-1</u>		
-- McKee, 30 miles northeast of Fort Stockton.		
Sand	35	35
Sand and gravel	30	65
Red rock	25	90
Sand and gravel	15	105
Red rock	140	245
Anhydrite, water	15	260
Lime, sulphur water	18	278
Red rock	7	285
Lime	15	290
Blue shale	50	340
Red rock	30	370
Blue shale	35	395
Anhydrite	13	408
Shale	4	412
Red rock	8	420
Shale and anhydrite	50	470
Red rock	15	485
Lime and anhydrite	30	515
Anhydrite	20	535
Salt	15	550
Salt, potash and lime	843	1393
Lime and anhydrite	1032	2425
Broken lime, sulphur water	155	2580
Sand	30	2610
Lime	115	2725

<u>Well C-7</u>		
O. L. Grove, 28 $\frac{1}{2}$ miles northeast of Fort Stockton.		
Soil	13	13
quicksand	7	20
Sand and gravel	23	43
Sand rock	5	48
quicksand	7	55

	Thickness (feet)	Depth (feet)
<u>Well C-7 -- continued</u>		
Red sand and gravel	10	65
Sand and gravel	5	70
Pea gravel	26	96

<u>Well C-9</u>		
-- Young, 29 miles northeast of Fort Stockton.		
Soil	15	15
Quicksand, water	5	20
Gravel	80	100
Blue shale	2	102
Gravel	78	180
Soft sand	10	190
Gravel	15	205
Red beds	195	400
Gypsum and anhydrite	5	405
Blue shale	35	440
Lime, sulphur water	20	460
Red beds and lime	45	505
Anhydrite	20	525
Gypsum and shale	5	530
Anhydrite	42	572
Blue shale	25	597
Red beds	10	607
Anhydrite and salt	430	1037
Red beds	5	1042
Anhydrite and salt	120	1162
Anhydrite and lime	40	1202
Anhydrite and red beds	10	1212
Red rock, salt and anhydrite	130	1342
Lime	10	1352
Anhydrite and red beds	175	1527
Anhydrite and lime	108	1635
Sand	7	1642
Lime and anhydrite	209	1851
Sand	2	1853
Lime and anhydrite	467	2320
Flowing sulphur water at 2,400 feet.		

<u>Well C-12</u>		
R. T. Stribling, 29 miles northeast of Fort Stockton.		
Top soil	71	71
Gravel and clay	33	104

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well C-13</u>		
A. E. Simmons No. 1, 28 $\frac{1}{2}$ miles north-east of Fort Stockton.		
Top soil	18	18
Gravel, clay and quick-sand	61	79

	Thickness (feet)	Depth (feet)
<u>Well C-14</u>		
A. E. Simmons No. 3, 28 $\frac{1}{2}$ miles northeast of Fort Stockton.		
Top soil	16	16
Quicksand	51	67
Sand	9	76
Gravel and boulders	52	128

	Thickness (feet)	Depth (feet)
<u>Well C-19</u>		
George Brown No. 2, 29 $\frac{1}{2}$ miles north-east of Fort Stockton.		
Soil	10	10
Yellow sand	10	20
Quicksand	11	31
Yellow clay	11	42
Sand and gravel	27	69
Coarse gravel	16	85
Pea gravel and sand	24	109

	Thickness (feet)	Depth (feet)
<u>Well C-20</u>		
George Brown No. 3, 29 $\frac{1}{2}$ miles northeast of Fort Stockton.		
Sand and gravel	203	203
Red beds	114	317
Anhydrite	11	328
Blue shale	86	414
Rustler limestone	16	430

	Thickness (feet)	Depth (feet)
<u>Well C-21</u>		
G. C. Holliday, 29 $\frac{1}{2}$ miles northeast of Fort Stockton.		
Surface	8	8
Sandy soil	10	18

	Thickness (feet)	Depth (feet)
<u>Well C-21 -- continued</u>		
Sand rock, water	7	25
Gravel	45	70
Sand rock	20	90
Sandy red clay	15	105

	Thickness (feet)	Depth (feet)
<u>Well C-23</u>		
N. A. Holliday, 30 $\frac{1}{2}$ miles northeast of Fort Stockton.		
Surface	13	13
Sand, water	11	24
Red shale	2	26
Sand and gravel	32	58
Lime	2	60
Sand and gravel	7	67
Bluish-black gravel	3	70

	Thickness (feet)	Depth (feet)
<u>Well C-24</u>		
F. A. Zeitler, 30 $\frac{1}{2}$ miles northeast of Fort Stockton.		
Soil	5	5
Red sand	5	10
Sand rock	5	15
Quicksand	5	20
Coarse gravel	5	25
Fine gravel	10	35
Yellow clay	2	37
Sand and gravel	8	45
Red clay and gravel	5	50
Red sand and gravel	10	60
Fine gravel, water	12	72
Red clay	25	97
Pea gravel	9	106

	Thickness (feet)	Depth (feet)
<u>Well C-26</u>		
Sid Millsbaugh No. 2, 31 miles northeast of Fort Stockton.		
Soil	2	2
Dry sand	16	18
Sand and gravel, water	27	45
Red shale	16	61
Sand and gravel, water	11	72
Red shale	19	91

(Continued on next page)

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well C-26 -- continued</u>		
Sand and gravel, water	35	116
Red shale	2	118

<u>Well C-27</u>		
Sid Millsbaugh No. 1, 30 $\frac{1}{2}$ miles north-east of Fort Stockton.		
Soil	2	2
Dry sand	15	17
Sand and gravel, water	23	40
Shale	25	65
Sand and gravel, water	30	95
Red shale	1	96
Sand and gravel, water	21	117
Red shale	1	118

<u>Well C-28</u>		
Sid Millsbaugh No. 3, 30 $\frac{1}{2}$ miles north-east of Fort Stockton.		
Soil	2	2
Dry sand	13	15
Sand and gravel, water	27	42
Red shale	21	63
Sand and gravel	34	97
Red shale	2	99
Sand and gravel	20	119

<u>Well C-34</u>		
S. Rheinstrom, 27 $\frac{1}{2}$ miles northeast of Fort Stockton.		
Alluvium:		
Mud	5	5
Sand	25	30
Sand and gravel	10	40
Mud	10	50
Sand and gravel	50	100
Yellow mud	10	110
Gravel	10	120
Yellow mud	5	125
Permo-Triassic:		
Red sandstone and conglomerate	230	355
Red shale	105	460
Blue shale	40	500

	Thickness (feet)	Depth (feet)
<u>Well C-34 -- continued</u>		
Permo-Triassic--continued		
Sand, sulphur water	10	510
Blue shale	70	580
Rustler formation:		
Anhydrite	240	820
Limestone	10	830
Castile formation:		
Salt and anhydrite	175	1005
Delaware formation:		
Limestone and sandstone	1370	2375
Flowing sulphur water at 2,240 feet.		

<u>Well C-37</u>		
G. Redding, 23 miles northeast of Fort Stockton.		
Caliche	17	17
Sand, water	3	20
Caliche	70	90
Boulders, water	10	100
Red clay	20	120
Lime	10	130
Red clay	50	180

<u>Well C-39</u>		
Skelley-Masterson, 22 miles northeast of Fort Stockton.		
Surface	38	38
Water sand	17	55
Red rock	10	65
Hard lime	27	92
Red gravel	13	105
Red rock	28	133
Water sand	12	145
Hard lime	5	150
Red rock, anhydrite and sand	98	248
Blue shale	4	252
Anhydrite	8	260
Red rock	45	305
Sand and anhydrite	13	318
Gray lime	7	325
Red rock	15	340
Anhydrite	8	348
Blue sandy shale	33	381

(Continued on next page)

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well C-39 -- continued</u>		
Lime	24	405
Blue shale	15	420
Red rock	32	452
Lime, shale and anhydrite	231	683
Anhydrite and lime	75	758
Gray, brown and blue lime	136	894
Anhydrite and shale breaks	26	920
Anhydrite and red rock	8	928
Sand	8	936
Lime	9	945
Anhydrite and red rock	5	950
Dry sand	14	964
Lime and anhydrite	507	1471
Sand	18	1489
Gray shale	1	1490

Well C-42

J. F. McElroy, 25 miles northeast of Fort Stockton.

Hard lime	50	50
Sand	60	110
Blue mud	15	125
Sand, water	70	195
Blue slate	35	230
Lime and red rock, water at 250 feet	165	395
Red rock, anhydrite and gypsum	25	420
Blue shale	50	470
Sand, water	10	480
Red rock, slate and lime	85	565
Lime and anhydrite	270	835
Salt	10	845
Anhydrite	15	860
Brown, gray and sandy lime, sulphur water at 915 feet,	95	955
Red rock	10	965
Lime and anhydrite	715	1680
Red rock, lime, shale and anhydrite	100	1780
Lime, blue shale, and anhydrite, heavy flow of sulphur water at 1,990 feet	210	1990
Sand	5	1995
Lime	15	2015

	Thickness (feet)	Depth (feet)
<u>Well C-47</u>		
Iowa Realty Trust, 22 miles northeast of Fort Stockton.		
Cellar	5	5
Lime and sandy lime	115	120
Blue shale	5	125
White sand, water	35	160
Shale and lime	130	290
Red rock	30	320
Brown shale	10	330
Sandy lime	10	340
Sand, water	5	345
Blue shale	5	350
Lime and anhydrite	55	405
Red rock and anhydrite	220	625
Anhydrite	90	715
Anhydrite and shale	278	993
Shale and brown lime	167	1160
Brown and gray lime and anhydrite	185	1345
Hard sand	5	1350
Lime, anhydrite, and sandy shale	40	1390
Sand, sulphur water 1,390-1,392 feet	2	1392

Well C-52

Cordova-Union, 18½ miles northeast of Fort Stockton.

Surface	12	12
Yellow and white lime	30	42
Yellow shale	8	50
Yellow lime	7	57
Yellow sand	19	76
Red beds	14	90
Red, yellow, and gray sand, water at 240 feet	155	245
Red rock, gypsum and lime shells	160	405
Anhydrite and blue shale	45	450
Hard gray sand, water, slightly salty	22	472
Gray lime and blue shale	24	496
Anhydrite, gypsum, red rock, and blue shale	269	765
Anhydrite and gray lime	69	834
Salt	16	850
Anhydrite and gray lime	586	1436
Anhydrite, shale and green lime	224	1660
Green lime, sulphur water	518	2178

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well C-59</u>		
J. T. Baker, 31 miles northeast of Fort Stockton.		
Lime	5	85
Yellow clay	10	95
Water sand	155	250
Shale	50	300
Lime	50	350
Anhydrite	55	405
Sand and lime	10	415
Lime and blue shale	45	460
Sand	15	475
Anhydrite	240	715
Brown lime	95	810
Anhydrite, water	15	825
Sand	22	847
Anhydrite and brown shale	33	880
Broken salt	15	895
Anhydrite and shale	25	920
Salt	5	925
Red rock	15	940
Anhydrite	7	947
Red broken salt	5	952
Anhydrite	11	963
Anhydrite and broken red shale	7	970
Lime	20	990
Broken anhydrite and sand	60	1050
Anhydrite, lime and red shale	572	1622
Brown and gray lime, salt water	78	1640
Anhydrite and brown, white and gray lime	75	1715
Dark brown lime, sulphur water	132	1847

	Thickness (feet)	Depth (feet)
<u>Well C-62</u>		
West Texas Utilities Company No. 3, 31½ miles northeast of Fort Stockton.		
Caliche	20	20
Gravel	5	25
Caliche	8	33
Limestone	61	94
Loose sand, water	6	100
Limestone	31	131
Blue shale	7	138

	Thickness (feet)	Depth (feet)
<u>Well C-62 -- continued</u>		
Sand, water	22	160
Shale and sand	15	175
Blue shale	51	226
Sand, dry	13	239
Red shale	21	260
Sand, dry	14	274

	Thickness (feet)	Depth (feet)
<u>Well C-63</u>		
West Texas Utilities Company No. 4, 31½ miles northeast of Fort Stockton.		
Soil	5	5
Caliche	35	40
Gravel	5	45
Limestone	45	90
Limestone, water	15	105
Blue shale	5	110
Red shale	9	119
Blue shale	8	127
Limestone	10	137
Yellow sand and shale	8	145
Sandy shale	30	175
Sand, water	25	200
Sand	40	240
Blue shale	11	251

	Thickness (feet)	Depth (feet)
<u>Well C-64</u>		
West Texas Utilities Company No. 5, 31½ miles northeast of Fort Stockton.		
Soil	5	5
Caliche	25	30
Limestone- and caliche	47	77
Limestone	13	90
Blue limestone	20	110
Blue shale	4	114
Gray shale	16	130
Yellow limestone	10	140
Sand, water	15	155
Sand	7	162
Sand and shale	15	177
Sand, water	77	254
Blue shale		254+

Table of drillers' logs, Peccs County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well C-66</u>		
-- Cordova, 32 miles northeast of Fort Stockton.		
Soil	5	5
Red rock	25	30
Lime	95	125
Sand, water	20	145
Lime	5	150
Yellow and white clay	55	205
Sand, water	85	290
Blue shale	52	342
Lime	23	365
Sand, and red rock	48	413
Lime	9	422
Blue shale	13	435
Lime, sandy lime, and pyrites, water at 445 feet	58	493
Packsand	12	505
Blue shale, and red rock	135	640
Anhydrite and lime	60	700
Red rock	5	705
Salt and potash	20	725
Red rock, anhydrite, and lime	670	1395
Lime	450	1845
Sand	6	1851

	Thickness (feet)	Depth (feet)
<u>Well D-3</u>		
H. G. Schenson; 31 miles west of Fort Stockton.		
White limestone	20	20
Blue shale	60	80
Limestone	10	90
Blue and brown shale	50	140
Limestone	40	180
Blue shale	20	200
Limestone	10	210
Gritty shale	30	240
Sandstone, water at 330 feet, 400 feet, and 410 feet	170	410
Red rock, water at 445 feet	565	975
Anhydrite	15	990
Gray limestone	95	1085
Red rock	70	1155
Sandstone, water at 1,165 feet	35	1190

	Thickness (feet)	Depth (feet)
<u>Well D-3 -- continued</u>		
Red rock	10	1200
Limestone and sandy limestone	240	1440
Blue shale	20	1460
Anhydrite, blue shale, sandstone and gypsum	55	1515
Limestone and anhydrite	1125	2640
Salt	1060	3700
Limestone, heavy flow of salt water	105	3805

	Thickness (feet)	Depth (feet)
<u>Well D-7, partial log</u>		
Popham Land and Cattle Company, 36 miles west of Fort Stockton.		
White limestone	5	5
Blue shale	2	7
White and gray lime	223	230
Blue shale	70	300
Blue and gray lime	160	460
Coarse-grained white and buff sand, water at 463 feet	65	525
Blue shale	15	540
Red shale and sand	500	1040
Anhydrite	115	1155
Red shale and red sandy shale	30	1175
Anhydrite	30	1205
Gray sand, water	10	1215
Anhydrite, lime and shale	748	1963
Anhydrite and lime	727	2690
Salt, shells, shale and anhydrite	951	3659
TOTAL DEPTH		5337

	Thickness (feet)	Depth (feet)
<u>Well E-1</u>		
C. M. Caldwell, 26½ miles northwest of Fort Stockton.		
Cellar	10	10
Lava?	40	50
Blue and green shale	186	236
Sand, water	8	244
White shale	26	270
Red shale	26	296
(Continued on next page)		

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well E-1 -- continued</u>		
Sand, water	12	308
Red rock and red sand, water at 530 feet	662	970
Red rock and green shale	100	1070
Anhydrite	40	1110
Red shale	25	1135
Sand, water at 1,140, 1,159 and 1,350 feet	215	1350
Lime, some potash and shale	75	1425
Red and gray shale, gypsum and anhydrite	155	1580
Lime and anhydrite	175	1755
Anhydrite, shale and lime	620	2375
Anhydrite and lime	795	3170
Salt, lime and shale	1675	4845
Shale and lime	435	5280

Well E-11

Pryor-Courtney, 11 miles northwest of Fort Stockton.

Yellow clay	55	55
Hard yellow lime	10	65
Blue slate	5	70
Yellow sand, water	5	75
Blue slate and yellow and white sand	130	205
Gray lime, water at 270 feet	75	280
Yellow and white sand	35	315
Blue and white slate, yellow and white sand	93	408
Red rock	22	430
Blue and white shale	25	455
Gray sand	20	475
Sandy lime	10	485
Blue sandy shale	18	503
Red rock	7	510
Blue and white shale	25	535
Gray sand, and red rock, water at 640 feet	425	980
Blue slate	30	1010
Red rock	298	1308
Blue and brown shale	72	1380
Soft brown sand	9	1389
Shale	8	1397

	Thickness (feet)	Depth (feet)
<u>Well E-16</u>		
Southwestern Life Insurance Company, 8½ miles northwest of Fort Stockton.		
Dark gumbo	90	90
Limestone	50	140
Gumbo	70	210
Sand, water	5	215
Shale	35	250
Sand, water	10	260
Gumbo	15	275
Sand, water	10	285
Limestone and shale	85	370
Sand	10	380
Shale	10	390
Sand, water	82	472
Red sand and shale	158	630
Sand and lime	50	680
Red shale, water at 755, 770, and 1,075 feet	445	1125
Sand	55	1180
Red rock	295	1475
Anhydrite	75	1550
Sand, water	5	1555
Sand and limestone	35	1590
Shale and anhydrite	85	1675
Red rock	10	1685
Sand, water	20	1705
Anhydrite	5	1710
Sand, water	55	1765
Light shale	60	1825
Anhydrite and shale	105	1930
Salt	5	1935
Light shale and anhydrite	385	2320
Sand	20	2340
Light shale and anhydrite	450	2790
Sand, sulphur water at 2,795 feet	25	2815
Light shale	5	2820
Lime, sulphur water	15	2835
Sand, sulphur water at 2,840 feet	10	2845
Lime	10	2855
Sand, water	5	2860
Broken lime, sulphur water at 2,895 feet	73	2933

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well E-18</u>		
R. D. Webb Farms, 8 $\frac{1}{2}$ miles west of Fort Stockton.		
Lime	52	52
Blue shale	133	185
Gravel, water	5	190
Blue shale	10	200
Lime, water at 200-205 feet	10	210
Shale	10	220
Lime	15	235
Sandy shale	75	310
Sand	75	385
Blue shale and sand	85	470
Lime, shale and red rock	19	489
White sand	11	500
Shale and lime shells	2	542
Sand, water at 553-565 feet	23	565
Red shale, sand and lime	180	745
Red and gray sand	33	778
Red shale and sand	587	1365
Lime	15	1380
Lime, shale, anhydrite, and red rock	260	1640
Soft sand	13	1653
Anhydrite and lime	24	1677
Sandy shale, water at 1,691 feet	1	1691
Gray lime and sand	74	1765
Shale and anhydrite	13	1778
Anhydrite	552	2330
Lime and anhydrite	660	2990
Lime and sand, sulphur water at 3,050-3,090 feet	108	3098

Well E-20

R. D. Webb Farms, 8 $\frac{1}{2}$ miles west of Fort Stockton.

Soil	18	18
Blue clay	6	24
Soft white formation	12	36
Hard light gray limestone	2	38
Gravel	1	39
Blue limestone	2	41
Soft white formation	10	51

	Thickness (feet)	Depth (feet)
<u>Well E-20 -- continued</u>		
Blue limestone	54	105
Cavity	2	107
Very hard gray limestone	21	131
Gray and yellow sandstone	89	220
Blue sandstone	20	240
Yellow sandstone	33	278
Alternating white and yellow water sand	34	312
Red clay	10	322

Well E-21

R. D. Webb Farms, 8 $\frac{1}{2}$ miles west of Fort Stockton.

Soil	24	24
Blue shale, first water at 32 feet	10	34
Blue and yellow clay	17	51
Yellow porous water-bearing sandstone, flow 175-200 gallons a minute	6	57
Soft, covey yellow clay	6	63
Very hard limestone	9	72

Well E-22

R. D. Webb Farms, 8 $\frac{1}{2}$ miles west of Fort Stockton.

Soil and gray hard pan, water at 15 feet	18	18
Blue shale	10	28
Yellow clay	17	45
Porous yellow sandstone, water	6	51
Yellow clay	6	57
Very hard limestone	3	60

Well E-23

R. D. Webb Farms, 8 $\frac{1}{2}$ miles west of Fort Stockton.

Soil	10	10
Blue marl, very soft	13	23
Blue limestone, hard and soft stratus	21	44

(Continued on next page)

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well E-23 -- continued</u>		
Yellow sandstone, some water	2	46
Very hard gray limestone	70	96
Blue limestone	8	104
Yellow sandstone, very soft, water	8	112
Very hard red or brown sandstone	25	137
Yellow sandstone, water at 200 feet	91	228
Hard limestone	24	252
White and yellow sand, water at 315 feet	63	315
Red clay	7	322

Well E-24

R. D. Webb Farms, 8 $\frac{1}{2}$ miles west of Fort Stockton.

Surface	25	25
Gravel	5	30
Limestone and clay	20	50
Shale	22	72
Honeycomb formation	2	74
Yellow limestone, water	8	82
Limestone	19	101
Gray limestone	30	131
Gray marl	15	146
Yellow limestone, water at 146 feet	14	160
Cave	5	165
Gray limestone	15	180
Yellow limestone	39	219
Hard sandstone, water at 245 feet	26	245
Sand and clay	10	255
Hard sandstone	10	265
Sand, water	15	280
Lime and shale	14	294
Sand	8	302
Lime and shale	14	316
Sand	8	324
Soft sandstone	8	332
Hard blue sandstone	20	352
Soft sandstone	10	362
Red shale	133	495
Sandstone	30	545
Soft red shale	11	556

	Thickness (feet)	Depth (feet)
<u>Well E-25</u>		
R. D. Webb Farms, 8 $\frac{1}{2}$ miles west of Fort Stockton.		
Clay	52	32
Shell rock	3	35
Black shale	45	80
White lime	40	120
Crevice, yellow rotten lime	10	130
Yellow and white lime	70	200
Yellow sand	25	225
Yellow lime	25	250
White sand	22	272
Hard shell	2	274
Blue slate	6	280
Slate and shells	15	295
Black sand	10	305
White slate	11	316

	Thickness (feet)	Depth (feet)
<u>Well E-27</u>		
R. D. Webb Farms, 9 miles southwest of Fort Stockton.		
Unknown	65	65
Sandstone, shale and tan limestone	70	135
Green shale	10	145
Cream to green limestone	120	265
Coarse sandstone	45	310
Unknown (Trinity sandstone?)	90	400
Red shale and sandstone	15	415
Red shale and brown and cream limestone	55	470
Red shale, sandstone and creamy limestone	25	495
Red shale and creamy limestone	55	550
Red shale	20	570
Red shale and sandstone	20	590
Coarse red sandstone and shale	55	645
Shale and red sandstone	15	660
Red sandstone and shale	60	720
Unknown	270	990
Red shale and sandstone	15	1005
Red and green shale	15	1020
Red sandstone and shale	10	1030
Red sandstone, shale and limestone	15	1045

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Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well E-27 -- continued</u>		
Red sandstone, shale and gypsum	5	1050
Red sandstone, shale, gypsum, and limestone	20	1070
Red sandstone, shale, and gypsum	20	1090
Red sandstone, and shale	15	1105
Unknown	15	1120
Red sandstone	10	1139
Red sandstone, shale, and limestone	10	1140
Red sandstone	10	1150
Red sandstone, shale, and limestone	10	1160
Red sandstone and shale	70	1230
Red sandstone, shale, and gypsum	10	1240
Red sandstone and shale	10	1250
Red sandstone, shale, and gypsum	45	1295
Red sandstone and shale	8	1303
Red sandstone, shale and gypsum	9	1392
Red sandstone, shale, and dolomite	16	1408
Red sandstone, shale, anhydrite, and gypsum	4	1412
Red sandstone, anhydrite, and gypsum	4	1416
Anhydrite	39	1455
Green dolomite and anhydrite	5	1460
Tan, porous, oolitic dolomite	22	1482
Unknown, flowing water	8	1490
White, coarse, oolitic dolomite, flowing water	8	1498
Unknown, flowing water	11	1509
White oolitic dolomite	12	1521
Unknown	4	1525
White dolomite	6	1531
White and some dark dolomite, sulphur water	4	1535
White dolomite with trace of black shale	5	1540
White calcite and dolomite	3	1543
White oolitic dolomite	4	1547
Dense white dolomite	3	1550

	Thickness (feet)	Depth (feet)
<u>Well E-29</u>		
Clayton Williams, 9 $\frac{1}{2}$ miles southwest of Fort Stockton.		
Surface loam	20	20
Shale	160	180
Lime streaks	154	334
Sand	112	446
<u>Well E-30</u>		
R. D. Webb Farms, 10 miles west of Fort Stockton.		
Clay	40	40
Gumbo and shale	40	80
Clay	60	140
Caliche, water	97	237
Clay	13	250
Broken yellow lime	49	299
Yellow shale	11	310
Lime	4	314
Blue shale	40	354
Hard lime	3	357
Shale and lime shells	5	362
Blue shale	8	370
Lime	5	375
Shale	2	377
Lime	5	382
Black shale	8	390
Lime and shale	20	410
Lime	10	420
Blue shale	12	432
Lime	2	434
Blue shale	18	452
Shale and lime shells	8	460
Blue lime	3	463
Yellow shale	2	465
Lime	10	475
Broken lime	10	485
Hard yellow lime	19	504
Gray and blue lime	17	521
Yellow shale	12	533
Yellow lime	8	541
Blue lime	3	544
Gray lime	2	546
Yellow lime	1	547
Gray lime	2	549
Gray sandy lime	5	554

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Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well E-30 -- continued</u>		
Yellow lime	25	579
Sand and shells, water	41	620
Sand, shell and shale	10	630
Hard sand	45	675
Blue sandy lime	5	680
Hard sand	6	686
Sticky shale	2	688
Hard sand	7	695
Hard sand and shale	8	703
Red rock	7	710
Hard sand	8	718
Red rock	8	726
Hard sand	4	730
Red rock	10	740
Hard sand	8	748
Gray lime	3	751
Sandy shale and yellow shells	9	760
Hard sand	10	770
Yellow sandy shale and shells	10	780
Red sand and shale	13	793
Red and gray shale	104	897
Sandy lime	13	910
Red rock	10	920
Red shale and sandy shale	15	935
Red rock	7	942
Hard sand	18	960
Gray sandy shale	32	992
Hard sand	6	998
Sandy shale	9	1007
Red rock	12	1019
Red sandy shale	44	1063
Red rock	14	1077
Red sandy shale	16	1093
Red rock	5	1098
Sandy shale	12	1110
Red beds	14	1124
Hard sand	7	1131
Red shale	18	1149
Red rock	126	1275
Blue shale	63	1338
Black shale	1	1339
Hard sand	1	1340
Red rock	2	1342
Hard sand and shale	8	1350
Blue shale and shells	86	1436
Hard sand and gypsum	5	1441
Broken sandy shale and shells	21	1462
Hard sand, shale, and shells	6	1468

	Thickness (feet)	Depth (feet)
<u>Well E-30 -- continued</u>		
Sandy shale	14	1482
Blue shale	10	1492
Sandy lime and shells	12	1510
Broken lime	2	1512
Red rock	4	1516
Hard sand, shale and shells	12	1528
Hard sand and shells	4	1532
Broken lime	14	1546
Hard sand and lime	7	1553
Hard shale and shells	17	1570
Medium soft sand	10	1580
Broken lime and red rock	15	1595
Sticky blue shale	67	1662
Broken lime and gypsum	6	1668
Blue shale and lime shells	27	1695
Hard sand and lime	56	1751
Lime	5	1756

<u>Well E-31</u>		
C. L. Thompson, 11 $\frac{1}{2}$ miles southwest of Fort Stockton.		
Limestone	155	155
Sand	100	255
Red to gray shale with sand streaks	195	450
Red and gray sand and shells	210	660
Red and gray shale, some sand	180	840
Red and gray sand, and shale, some gypsum	320	1160
Anhydrite	80	1240
Sand, shale, and dolomite (Rustler lime)	30	1270
Dolomite oolitic (big flow sulphur water in crevice at 1,280-1,283 and 1,310 feet)	130	1400
Sand with shale breaks	85	1485
Dolomite	25	1510
Sand, anhydrite and dolomite	190	1700
Anhydrite, one or two thin dolomite beds	300	2000
Gray and brown lime and anhydrite	710	2710
Hard sand	15	2725
Lime and anhydrite	850	3575

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well E-47</u>		
A. C. Mitchell, 11 miles southwest of Fort Stockton.		
Soil	5	5
Light yellow clay	78	43
Gravel	2	45
Hard blue limestone	15	60
Yellow limestone and gravel	6	66
Hard lime rock	8	74
Missing	37	111
Gravel	7	118
Lime rock	2	120
No data	95	215
Yellow limestone, water	54	269
Hard blue limestone	16	285
Clay	3	288
Yellow sandstone	6	294
Light gray limestone	38	332
Blue sand	10	342
Blue limestone	11	343
Alternating white and yellow sand, water	35	388
White limestone	5	393
Shale, sand, clay and limestone	52	445
Hard gray sand	11	456

	Thickness (feet)	Depth (feet)
<u>Well E-51</u>		
-- Harrison, 21 miles southwest of Fort Stockton.		
Limestone	130	130
White and yellow lime and shale	20	150
Gray and white limestone, sand and sandy shale	15	165
Red and sandy red shale	270	365
Red shale, anhydrite and gypsum	210	575
Sandy red shale and gray sand	5	580
Anhydrite and red shale	100	680
Anhydrite and gypsum	35	715
White and gray anhydrite	20	735
Limestone, anhydrite, and thin beds of sandy red shale	55	790
Brown and gray lime, some sand and red and gray shale, water 840-842 feet	350	1140

	Thickness (feet)	Depth (feet)
<u>Well E-51 -- continued</u>		
Sandy gray shale, brown lime and gypsum	8	1148
Anhydrite and gypsum, sulphur water 1,275 feet	257	1405
Lime and anhydrite, sulphur water 3,262-3,264 feet	2860	4265
Black shale and shaley black lime	735	5000

	Thickness (feet)	Depth (feet)
<u>Well E 56, partial log</u>		
-- Alvis, 15 miles southwest of Fort Stockton.		
Limestone	130	130
Blue shale and lime	170	300
Limestone, some yellow shale	100	330
Yellow mud	10	340
Yellow sand, water at 350 feet	40	380
Sandy gray limestone	40	420
Sand, water	35	455
Gray shale	10	465
Red beds	25	490
Gray lime	10	500
Red sand and shale, water	20	520
Brown sandy lime	20	540
Gyp rock	20	560
Gray shale	20	580
Red rock	10	590
Gray and red shale and siltstone	360	850
Gyp rock	5	855
Gray lime	70	925
Blue and red shale and sandy shale	470	1395
Sand, water	75	1470
Dark lime and blue shale	10	1780
Lime some shale and anhydrite	220	2005
Sandy lime and water sand	30	2035
Lime	378	2413
Sand	11	2424
Lime and shale	16	2440
Gray sand	25	2465
Lime, shale, anhydrite and some sand, water at 2,645-50; 2,890-2,906; and 2,936-56 feet	1132	3597
TOTAL DEPTH		3925

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well F-4</u>		
Ernest Riggs, 6 $\frac{1}{2}$ miles northwest of Fort Stockton.		
Soil	40	40
Caliche	15	55
Rock	5	60
Sand and gravel, water	20	80
Unknown	4	84
Shale	28	112
Lime	3	115
Shale	23	138
Lime	4	142
Shale	5	147
Lime	7	154
Shale	7	161
Lime	2	163
Sand	13	176
White and blue lime	66	242
Sand and lime	92	334

	Thickness (feet)	Depth (feet)
<u>Well F-5, partial log</u>		
R. D. Webb Farms, 8 $\frac{1}{2}$ miles northwest of Fort Stockton.		
Soil	3	3
Caliche	52	55
Gravel, water	10	65
Blue shale	70	135
Blue, white, gray and buff limestone	115	250
Calcareous gray shale	5	255
Gray and buff limestone, sandy lime and white shale	38	303
Calcareous white sand	17	320
White shale and white sand	10	330
Coarse-grained white sand, thin beds of gray limestone and shale	95	425
Calcareous gray sandy shale	5	430
Red sandy shale	35	465
Gray and buff shale and white lime	10	475
Red sand, red siltstone, and gray and red shale	105	580
Red sand, gray and red shale and sandy shale	615	1195
Red shale	19	1414

	Thickness (feet)	Depth (feet)
<u>Well F-5, partial log -- continued</u>		
Blue and gray shale	11	1425
Red and gray sandy shale	15	1440
Red and gray sand, water 1,435-1,470 feet	45	1485
Red shale	20	1505
Anhydrite and red shale	52	1557
Pink shale	18	1575
Buff limestone, anhydrite and sandy red shale	35	1610
Brown limestone	65	1675
Brown to gray limestone and shale	15	1790
Anhydrite and gypsum, sulphur water at 1,840 feet	220	3010
TOTAL DEPTH		3256

	Thickness (feet)	Depth (feet)
<u>Well F-7</u>		
Ernest Riggs, 5 $\frac{1}{2}$ miles northwest of Fort Stockton.		
Surface	25	25
Dry gravel	25	50
Blue lime	125	175
Shale	6	181
Sand rock	6	187
Sand and shale streaks	163	350
Red beds	10	360

	Thickness (feet)	Depth (feet)
<u>Well F-19</u>		
Lee O. White, 3 $\frac{3}{4}$ miles northeast of Fort Stockton.		
Surface	6	6
Hard lime	24	30
White caliche	40	70
Pink clay and lime shells	20	90
Yellow lime	25	115
Blue lime, water at 150 feet	50	165
Yellow sand	5	170
White sand, water	35	205

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well F-21</u>		
Charlie Stone, 4 $\frac{1}{2}$ miles northeast of Fort Stockton.		
Hard lime	15	15
Soft gray lime, water	25	40
Brown shale	20	60
Gravel, water	10	70
Pink, brown and yellow gravel	30	100
Hard blue lime	10	110

	Thickness (feet)	Depth (feet)
<u>Well F-22</u>		
Charlie Stone, 4 $\frac{1}{2}$ miles northeast of Fort Stockton.		
Hard lime and caliche	15	15
Soft gray lime, water	25	40
Brown shale	20	60
Gravel, water	10	70
Pink, brown and yellow gravel	30	100
Hard blue lime	10	110
Yellow clay	5	115
Gravel, shells, blue shale, and clay	32	147

	Thickness (feet)	Depth (feet)
<u>Well F-23</u>		
B. G. Smith, 4 $\frac{1}{2}$ miles northeast of Fort Stockton.		
Soil and caliche	40	40
Limestone	30	70
Yellow and white sand, some clay	77	147

	Thickness (feet)	Depth (feet)
<u>Well F-33</u>		
Fryor and Wilson, 8 miles northeast of Fort Stockton.		
Soil	15	15
Yellow and white lime	60	75
White and yellow sand, water 75-100 feet	40	115
Sandy lime	25	140
White and gray sand	150	290

	Thickness (feet)	Depth (feet)
<u>Well F-33 -- continued</u>		
Gray, and white lime, some red rock		
	125	415
Firm red rock	50	465
Hard brown sand	10	475
Red rock	560	1035
Hard gray lime	30	1065
Sand, water	10	1075
White and gray lime, and red rock	155	1230
Hard sand	40	1270
Hard anhydrite and gray lime	40	1310
Anhydrite and red rock	105	1415
Red sand, some salt water	10	1425
Anhydrite	30	1455
Soft white salt	35	1490
Anhydrite	10	1500
Red sand, water	25	1525
Anhydrite and salt, water 1,550-1,560 feet	50	1575
Red sand	5	1580
Gray and white lime, salt and anhydrite, water 1,870-1,980 feet	605	2185
Gray and white lime and anhydrite	955	3140
Bentonite	40	3180
Lime	150	3330

	Thickness (feet)	Depth (feet)
<u>Well F-35</u>		
The University of Texas, 11 miles north-east of Fort Stockton.		
Surface	70	70
Lime	50	120
Red rock	30	150
Sand, water	8	158
Shale	42	200
Sand, water at 220 feet	28	228
Shale	69	297
Lime	73	370
Sand	30	400
Shale	10	410
Sand and shale	35	445
Lime	15	460
Sand	10	470
Red rock	4	474
Sand	6	480

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Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well F-35 -- continued</u>		
Red rock and anhydrite	320	800
Shale	15	815
Sand and lime, water at 840 feet	35	850
Lime	85	935
Red rock	25	960
Lime, red rock and anhydrite	30	990
Anhydrite	42	1032
Red rock	8	1040
Sand and lime, some shale	37	1077
Anhydrite	236	1313
Red rock and anhydrite	207	1520
Red rock	100	1620
Lime, some sand and anhydrite	1388	3008

Well F-46

Roots Estate, $4\frac{3}{4}$ miles east of Fort Stockton.

Soil	3	3
Caliche	27	30
Yellow clay	30	60
Lime, water	125	135
Red beds	16	201
Sand, water	49	250
Light brown lime	10	260
Sand, water	31	291
Gray mud	5	296
Sand, water	7	303
Red beds and lime shells	20	323
Gray lime	77	400
Blue and brown shale	22	422
Gray lime	21	443
Blue caving shale	27	470
Lime and hard gray sand	10	480
Gray and white sand, water	35	515
Red rock and hard sand	30	545
Hard red sand	10	555
Red beds and red rock	25	580
Gray shale	3	583
Gray hard sand	7	590
Red beds	90	680
Hard red sand	10	690
Soft red beds	15	705
Sandy red shale	45	750
Sand, water	15	765

	Thickness (feet)	Depth (feet)
<u>Well F-46 -- continued</u>		
Soft red beds	258	1023
Red sand	17	1040
Red rock	273	1313
Sand and broken lime	17	1330
Blue sandy shale	3	1333
Sandy lime, sulphur water 1,335-1,339 feet	54	1387
Gypsum	6	1393
Broken sandy shale	23	1416

Well F-61

O. W. Williams, 2 miles south of Fort Stockton.

Surface	20	20
Unknown	20	40
Blue shale and lime	10	50
White lime	5	55
Blue shale	5	60
Yellow lime	5	65
Brown lime and sand, water at 70 feet	20	85
Blue shale and lime	15	100
Blue clay	10	110
Sandy shale and sand	15	125
White sand, water at 140 feet	55	180
Fine-grained yellow sand	20	200
Gray sandy shale	10	210
Anhydrite	10	220
Red rock	2	222
Hard brown lime	5	227
Brown lime and sand	10	237
Brown and white lime	53	295
Brown sandy shale	20	315
Brown lime	15	330
Blue and brown shale	52	382
Red and white sand, water at 390 feet	18	400
Red beds	35	435
Brown lime	10	445
Red rock	195	640
Red sand, water	5	645
Red rock	584	1229
Blue shale	21	1250
White and gray lime	5	1255
Red rock	16	1271
Lime	5	1276
Blue shale	12	1288
White lime	13	1301

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Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well F-61 -- continued</u>		
Sand, water	30	1331
White and black lime, water 1,330-1,336 feet	82	1413
Sand, water	12	1425
White and gray sandy lime	32	1457
Sand, water	12	1469
Lime	26	1495
Dry sand	11	1506
Lime	12	1518
Anhydrite	32	1550
Blue shale	12	1562
Anhydrite	393	1955
Lime and chalk, water at 1,970 feet	15	1970
Anhydrite	17	1987
Sand, salt water	21	2008
Anhydrite and lime	150	2158
Blue shale	34	2192
Anhydrite and lime	251	2443
Anhydrite	61	2504

Well F-62

Claude Eaker, 3 miles south of Fort Stockton.

Caliche	20	20
Yellow lime, crevice at 23 feet	8	28
Hard gray lime, water	28	56
Blue and gray lime, show of water at 103 feet	49	105
Yellow sand rock	21	126
Gray sand, water	9	135
Blue shale	2	137
Sand, water	43	180
Missing	157	317
Red beds	6	323
Gray lime	11	334
Red beds	7	341
Gray lime	7	348
Red, gray and blue shale	86	434
Red beds	27	461
Gray and red shale	10	471
Lime	8	479
Red shale	31	510
Red rock	7	517
Brown lime	8	525
Red shale	30	555
Red beds	47	602

	Thickness (feet)	Depth (feet)
<u>Well F-62 -- continued</u>		
Brown sand	7	609
Red beds	54	663
Brown sand	7	670
Red beds	15	685
Brown lime	13	697
Red beds	76	773
Yellow lime	3	776
Red beds	479	1255
Lime	4	1259
Red rock	19	1278
Lime	18	1296
Gypsum	5	1301
Blue shale	11	1312
Red beds, water	13	1325
Gray lime	11	1336
Sand, water	2	1338
Lime and sandy lime	62	1400
Blue shale	2	1402
Lime	2	1404
Shale and gypsum	1	1405
Lime and gyp lime	12	1417
Blue shale	17	1434
Gray lime	62	1496
Red sand	14	1510
Lime	37	1547

Well F-65, partial log

The University of Texas, 3 $\frac{1}{2}$ miles south-west of Fort Stockton.

Hard white limestone	48	48
Blue shale and limestone	67	115
Sandy limestone	9	124
Gray and tan limestone	18	142
Blue shale	13	155
Sandy gray and white lime- stone, water 207-225 feet	70	225
Yellow and gray limestone and sandy limestone	55	280
Coarse-grained gray and white sand, water	15	295
White limestone and white sand	10	305
Coarse-grained white sand, water 305-330 feet	77	382
Red sand, water 408-410 feet	28	410

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Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well F-65, partial log -- continued</u>		
Hard white limestone	65	475
Very coarse-grained red sand	20	495
Coarse-grained sand	15	510
Purple sandy shale interbedded silty red sand	60	570
Very fine to coarse-grained red sand	15	585
Red and gray sandy shale	32	618
Coarse red and gray sand	17	635
Gray and red sandy shale	85	720
Red sandy shale	75	795
Coarse-grained red sand	5	800
Gray to red sandy shale and sand, water 800-910 feet	75	875
Red sand and sandy red shale, some thin beds gypsum	200	1075
Sandy red shale	125	1200
Silty red sand and sandy shale	60	1260
Sandy red and gray shale	122	1382
Sandy red shale, white anhydrite	8	1390
White anhydrite	44	1434
Red shale	11	1445
White to light tan limestone, water at 1,450 feet	23	1468
Porous light to dark tan dolomite	62	1530
Red and white shale	25	1555
Dolomite, gray sand and limestone, water at 1,562-1,572 feet	25	1580
Gray to tan sand and sandy limestone	20	1600
Limestone	35	1635
Dolomite, gray and red sand and shale, water 1,645 feet	49	1684
White anhydrite	119	1803
TOTAL DEPTH		2968

	Thickness (feet)	Depth (feet)
<u>Well F-66</u>		
R. D. Webb Farms, 6 miles west of Fort Stockton.		
Unknown	60	60
Blue shale	12	72
Gray limestone	15	87
Blue shale	103	190
Gray limestone	16	206
Blue shale	52	238
Gray limestone	83	321
White sand, water	20	341

	Thickness (feet)	Depth (feet)
<u>Well F-67</u>		
R. D. Webb Farms, 7 $\frac{1}{2}$ miles northwest of Fort Stockton.		
Soil	4	4
Caliche	35	39
Lime	19	58
Yellow clay, water	16	74
Blue shale	111	185
Shale	20	205
Lime	50	255
Grey shale	10	265
Lime	13	278
Sand, water	11	289

	Thickness (feet)	Depth (feet)
<u>Well F-68</u>		
R. D. Webb Farms, 7 miles west of Fort Stockton.		
Alluvium:		
Surface	10	10
Broken lime	15	25
Sandy lime	12	37
Brown lime and gravel	13	50
Cretaceous:		
Gray sandy limestone	20	70
Brown sandy limestone	25	95
Broken limestone	40	135
Gray shale	25	160
Dark limestone	65	225
Gray shaly limestone	55	280

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Table of drillers logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well F-68 -- continued</u>		
Cretaceous--continued:		
Sand, flowing water	10	290
Gray limestone	57	347
Sand, water	113	460
Gray shale	3	463
Sand	7	470
Permo-Triassic:		
Red sand rock	26	496
Sandy limestone	9	505
Red rock	15	520
Brown lime	10	530
Hard sand	35	565
Red rock and lime	60	625
Red sandy shale	15	640
Gray shale	17	657
Red sandy shale	36	693
Red rock	74	767
Blue shale	3	770
Red sand and red rock	61	831
Red rock and sand	489	1320
Red shale, anhydrite and red rock	138	1458
Rustler and Castile formations:		
Anhydrite	22	1480
Soft brown sand	10	1490
Brown limestone, flowing sulphur water	5	1495
Gray limestone	115	1610
Red rock and shale	10	1620
Gray limestone and anhydrite	565	2185
Anhydrite, water	89	2274
Anhydrite and limestone	455	2729
Delaware formation:		
Dark brown limestone	83	2812
Brown shale	34	2846
Gray limestone	17	2863
Brown limestone	109	2972
Brown sand and lime- stone	108	3080
Red sandy shale	20	3100
Gray and brown lime- stone	200	3300

Well F-69

Clayton Williams, 7 miles west of Fort Stockton.

Soil	10	10
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	Thickness (feet)	Depth (feet)
<u>Well F-69 -- continued</u>		
Lime, water from crevice	35	45
Yellow lime, shells	25	70
Lime and shale	55	125
Sand, water	3	128
Blue shale and shells, streaks of lime	122	250
Lime and anhydrite	50	300
Lime and shale	4	304
Hard lime	30	334
Gray sand	3	337
Yellow sand	38	365
Hard gray sand	10	375
Yellow sand	35	410
Hard lime	5	415
Hard white shale	5	420
White sand	15	435
Yellow sand	13	448
Hard white sand	10	458
White shale	2	460

Well F-75

Dow Puckett, 7½ miles southwest of Fort Stockton.

Caliche	24	24
Yellow clay	51	75
White sand	145	220
Yellow clay	20	240
Sand	30	270
Lime and sand	108	378
Brown shale	72	450
Sand	10	460
Red rock	660	1120
Shale	13	1133
Sand	20	1153
Lime and shale	42	1195
Red rock and shells	15	1210
Anhydrite	2	1212
Anhydrite and lime	48	1360
Anhydrite	890	2250
Anhydrite and lime	157	2407
Lime and anhydrite	95	2502
Lime	105	2607
Lime and sand	52	2659
Sandy lime	52	2711
Lime and sand	201	2912
Lime and sandy lime	590	3502

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well F-89, partial log</u>		
-- Wright, 6 miles southeast of Fort Stockton.		
Broken yellow lime	20	20
Shale	14	34
Blue lime	6	40
Blue shale	20	60
Brown and gray lime and shale	180	240
Soft brown sand	100	340
Shale	15	355
Yellow and brown sand	45	400
White anhydrite	20	420
Gray lime and shale	100	520
Gray sand, water	5	525
Lime, shells, and shale	50	575
Sand, water	10	585
Lime	35	620
Red rock	315	935
Rock, lime and shells	115	1050
Red beds	0	1080
Sandy lime	20	1280
Gray shale	20	1300
Anhydrite	10	1310
Sand, water	15	1325
Lime, some anhydrite	165	1490
Brown and gray sand	70	1560
Anhydrite, lime and gypsum	340	1900
Salt and anhydrite	285	2185
Anhydrite and lime	740	2925
Lime, some shale and red rock, sulphur water at 2,925-2,930 feet, and 3,075-3,085 feet	207	3132
Hard sand and lime, sulphur water at 3,145 feet	26	3158
TOTAL DEPTH		3504

Well F-90

H. L. Winfield, 9½ miles southeast of Fort Stockton.

Clay	10	10
Hard white lime	50	60
Soft blue shale	70	130
Hard white lime	85	215
Red sand, water	15	230
Hard white lime	70	300

	Thickness (feet)	Depth (feet)
<u>Well F-90 -- continued</u>		
Soft red sand	60	360
Blue shale	10	370
White sand, water	80	450
Red rock	25	475
Red and blue shale	30	505
Hard gray sandy lime	5	510
Hard sand, water	20	530
Blue shale	10	540
Sandy red rock	40	580
Hard sandy shale, water	15	595
Red sandy lime	10	605
Red shale and sandy shale	25	630
Soft red sand, water	30	660
Red sandy shale	543	1203
Hard gray lime	22	1225
Shale	5	1230
Soft sand, water	15	1245
Hard gray lime	15	1260
Anhydrite	5	1265
Sand, water at 1,265 feet	10	1275
Lime, water	85	1360
Lime and anhydrite	385	1745
Salt	65	1810
Hard white anhydrite	60	1870
Hard brown lime	60	1930
Sand, flowing sulphur water	3	1933

Well G-2

The University of Texas, 16½ miles northeast of Fort Stockton.

Lime	70	70
Red and yellow sand, water at 120 feet	180	250
Blue mud	20	270
Sand, water	15	285
White slate	20	305
Lime	10	315
Brown sand and lime shells	25	340
Red rock	45	385
Blue shale	30	415
Sand	10	425
Lime	15	440
Slate	10	450
Lime	10	460
Blue slate	10	470
Gray lime and water	20	490

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Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well G-2 -- continued</u>		
Gray shale	15	505
Red rock	15	520
Gypsum	2	522
Lime	8	530
Blue slate	10	540
Lime	10	550
Slate	10	560
Anhydrite and lime	30	590
Red rock and anhydrite	55	645
Lime	13	658
White slate, lime and anhydrite	72	730
Anhydrite	120	850
Brown lime	30	880
Anhydrite	50	930
Lime	170	1100
White sand	20	1120
Lime and anhydrite	190	1310
Sand	15	1325
Lime	15	1340
Sand	16	1356

Well G-11

J. L. Neville, 33 miles northeast of Fort Stockton.

Surface	10	10
Hard yellow lime	165	175
Red shale	5	180
Sand, water from 250 to 260 feet	110	290
Lime	5	295
Blue shale	170	465
Hard sand	15	480
Lime	96	576
Red rock	2	578
Green shale	22	600
Red rock and anhydrite	60	660
Anhydrite	35	695
Blue shale	10	705
Anhydrite	15	720
Sand, sulphur water at 720 feet	20	740
Anhydrite	20	760
Red rock	5	765
Anhydrite	25	790
Red rock and salt	35	825
Anhydrite	55	880
Lime	5	885
Anhydrite	35	920

	Thickness (feet)	Depth (feet)
<u>Well G-11 -- continued</u>		
Red rock	20	940
Anhydrite and lime	160	1100
White lime	35	1135
Anhydrite and lime	275	1410
Sand	10	1420
Anhydrite	35	1455
Lime	50	1505
Brown lime and green shale	5	1510
Gray sand	7	1517
Gray and brown lime and anhydrite	93	1610
Gray lime	35	1645
Gray lime and green shale	3	1648
Anhydrite and green shale	7	1655
Brown and gray lime and anhydrite	85	1740
Broken lime	30	1770
Sand, water	25	1795

Well G-14

The University of Texas, 31 miles east of Fort Stockton.

Yellow lime	25	25
Blue shale	10	35
Yellow lime	10	45
Blue shale	39	84
Gray and yellow lime	216	300
Pink and yellow shale	15	315
White sand, water	20	335
Red rock	5	340
White chalk	10	350
Black shale	150	500
White sand and blue shale, water at 530 feet	55	555
Gray sandy lime	10	565
Blue and gray shale and red rock	25	590
Gray sand, water	20	610
Red rock	145	755
White sand	15	770
Anhydrite	10	780
Red beds	5	785
Gray shale	10	795
Gray lime	30	825
Red rock	10	835
Gray sand	15	850
Red rock and anhydrite	200	1050

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Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well G-14 -- continued</u>		
Gray lime	40	1090
Salt, some potash	105	1195
Red rock and anhydrite	170	1365
Anhydrite, with some beds of lime and sand	195	1560
Heaving sands	25	1585
Brown lime and anhydrite, some sand	145	1730
Gray lime, blue shale and sand, sulphur water 1,801, 1,832, and 1,945 feet	367	2097

Well H-1

-- Frick, 36½ miles northeast of Fort Stockton.

Caliche	35	35
Gravel, water at 35 feet	70	105
Red rock	15	120
Light shale	5	125
Red gumbo	43	168
Red rock	17	185
Sand, water	10	195
Red rock	15	210
Sand, water	5	215
Lime	5	220
Red rock	15	235
Caliche	13	248
Blue shale, water	37	305
Sandy lime	20	325
Gray shale	25	350
Lime, iron pyrite	25	385
Gray shale	5	390
Lime, iron pyrite	8	398
Red rock	22	420
Caliche	10	430
Gumbo	4	434
Caliche	6	440
Gray lime	0	470
Caliche	10	480
Gray shale	17	497
Anhydrite	18	515
Gray shale	25	540
Hard anhydrite	28	568
Broken lime and sand	12	580
Coarse-grained sand	10	590
Gray shale	6	596
Brown sand	7	603
Blue shale	7	610
Anhydrite	10	620

	Thickness (feet)	Depth (feet)
<u>Well H-1 -- continued</u>		
Sand, sulphur water 620-625 feet	5	625
Hard brown sand	13	638
Hard lime	10	648
Sand	34	682
Gravel	8	690
Caliche	50	740
Anhydrite	5	745
Hard sandy lime	47	792
Anhydrite and potash	23	815
Gray lime	157	972
Red clay	15	987
Anhydrite	8	1005
Gray lime	25	1030
Lime and anhydrite	20	1050
Anhydrite, lime and potash	42	1092
Lime and anhydrite	6	1098
Gray lime	12	1110
Lime and anhydrite	10	1120
Hard gray lime	12	1132
Lime and anhydrite	15	1147
Gray lime	7	1154
Lime and anhydrite	85	1239
Lime and red rock	23	1262
Lime, anhydrite and sand	73	1335
Dark gray lime	120	1455
Lime, anhydrite and shale	75	1530
Lime, water 1,695-1,697 feet	170	1700
Hard gray lime, sulphur water 1,725-1,735 feet	35	1735

Well H-4

V. G. Neville, 37 miles east of Fort Stockton.

Soil	5	5
Caliche	35	40
Hard lime	10	50
Gravel	5	55
Hard lime	5	60
Caliche	15	75
Water, lime and shells	20	95
Caliche	15	110
Caliche and gravels	5	115
Caliche	10	125
Gravel	25	150
Sand, water	35	185
Blue shale	7	192

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well H-5</u>		
V. G. Neville, 37 miles east of Fort Stockton.		
Soil	3	3
Caliche	24	27
Gravel	8	35
Caliche	15	50
Hard lime	15	65
Caliche	5	70
Caliche, gravel, water-bearing	10	80
Caliche	5	85
Caliche and gravel	8	93
Caliche	27	120
Gravel	20	140
Sand, water (Trinity)	40	180
Blue shale	2	182

	Thickness (feet)	Depth (feet)
<u>Well H-13</u>		
City of McCamey No. 1, 47 miles east of Fort Stockton.		
Caliche	155	155
Pink clay	9	164
White and yellow clay	11	175
Red sand with some clay mixed	28	203
Pink sand	5	208
Red sand with little clay mixed	57	265
Red clay	1	266
Clay	2	268
Rock	1	269
Sand	3	272

	Thickness (feet)	Depth (feet)
<u>Well H-14</u>		
City of McCamey No. 2, 47 miles east of Fort Stockton.		
Soil	16	16
Caliche and gravel mixed	129	145
Gravel	15	160
Caliche and gravel mixed	10	170
Gravel, water	10	180
Caliche	40	220
Caliche and gravel mixed	50	270
Gravel and boulders	18	288

	Thickness (feet)	Depth (feet)
<u>Well H-14 -- continued</u>		
Gravel and clay mixed	7	295
Fine-grained sand	5	300
Clay	6	306
Fine-grained sand	23	329
Gravel and clay mixed	3	332
Clay	22	354

	Thickness (feet)	Depth (feet)
<u>Well H-17</u>		
M. A. Smith, 51 miles east of Fort Stockton.		
Lime	105	105
Brown sand, very little water	35	140
Gray sand, water	44	134
Sand, water	49	233

	Thickness (feet)	Depth (feet)
<u>Well I-3</u>		
I. G. Yates Estate, 55 $\frac{1}{2}$ miles east of Fort Stockton.		
Gravel and caliche	12	12
Lime	73	85
Hard lime	36	121
Hard sandstone	42	163
Sand	62	225
Hard sand	30	255

	Thickness (feet)	Depth (feet)
<u>Well I-4</u>		
M. A. Smith, 55 miles east of Fort Stockton.		
Gravel	65	65
Yellow lime	55	120
Hard white lime	20	140
Gray lime	1	141
Hard white lime	34	175
Brown lime	25	200
Blue lime and blue sandy lime	10	210
Yellow lime	45	255
Brown lime and brown sandy lime	15	270
Brown sand	5	275
Yellow sand	10	295
White sand, water 300-305 feet	20	305

(Continued on next page)

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well I-4 -- continued</u>		
Yellow sand, water	20	325
Yellow sand, water 305-325 feet	5	330
Brown sand	12	342
Yellow sand	8	350
Brown sand and blue shale	5	355
White sand, water	12	367
Blue sandy shale	17	384

Well I-6

Iraan Ice, Gas, and Water Company,
58 miles east of Fort Stockton.

Gray lime	38	38
Yellow lime	52	90
Yellow sandy lime	18	108
Yellow lime	68	176
Yellow sand and lime	4	180
Sand, water	30	210

Well I-9

I. G. Yates Estate, 58 miles east of
Fort Stockton.

Hard gray lime	200	200
Soft yellow sand	60	260
Hard brown lime	20	280
Soft yellow and brown clay, water 315-325 feet	60	340
Gray sand	10	350
Soft blue mud	45	395
Hard sand, water 394-410 feet	20	415
Soft blue slate	20	435
Hard gray lime	15	450
Blue shale	45	495
Hard sand, water	20	515
Hard gray lime	10	525
Medium red rock	40	565
Hard sand, water	10	575

	Thickness (feet)	Depth (feet)
<u>Well I-9 -- continued</u>		
Soft blue mud	10	585
Soft red rock	10	595
Hard red sandy lime	35	630
Hard anhydrite	15	645
Soft red rock	20	665
Hard anhydrite	40	705
Soft red rock	5	710
Hard brown lime	5	715
Hard anhydrite	445	1060
Gray and black lime	157	1217
Brown lime	134	1351

Well I-13

M. A. Smith, 54 miles east of Fort
Stockton.

Gravel	40	40
Brown and gray lime	20	60
Gray lime	25	85
Brown lime	30	115
Gray shale	5	120
Gray lime	5	125
Gray and brown shale	5	130
Brown lime	20	150
Gray lime	5	155
Brown lime	25	180
Gray lime	5	185
Brown lime	20	205
Light gray lime	20	225
Brown lime	15	240
Light gray lime	15	255
Hard brown lime	10	265
Hard light gray lime	5	270
Hard brown lime	15	285
White lime	10	295
Yellow lime	15	310
Brown lime and sand	20	330
Hard gray and blue lime	30	360
Gray and brown lime	5	365
Brown lime	10	375
Yellow sand	10	385
Brown sand, water	5	390

(Continued on next page)

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well I-13 -- continued</u>		
Red sand, water	10	400
Brown and white sand, water	5	405
Gray sand, water	15	420
Yellow sand, water	10	430
Red sand, water	5	435
Yellow sandy shale	30	465
Yellow sand, water	30	495
Yellow sand and gray shale	5	500
Blue and yellow sand and gray shale	5	505
Gray sandy shale	10	515

Well I-14

M. A. Smith Estate, 54 miles east of
Fort Stockton.

Surface	7	7
Gray lime	196	203
Sandy shale	32	235
Lime	45	280
Lime and brown sand	25	305
Hard blue lime	5	310
Hard yellow lime	19	324
White lime	44	368
Blue and yellow lime	30	498
Sand, water	57	655
Blue shale and sand	3	659
Red, blue, and gray shale	22	680
Sand, water at 687 feet	16	696
Red shale	9	705
Sand	13	718
Sand and asphalt	14	732
Gray shale	23	755
Red shale	9	764
Blue shale	45	809
Sand, water	16	825
Blue shale	40	865
Sand, water	40	905
Blue shale	1	906
Blue sand	25	931
Sand and blue shale	8	939
Red beds	12	951
Potash and sand	10	961
Sand and lime	18	979
Anhydrite and potash	13	992
Red shale	16	1008
Red beds	10	1018
Anhydrite and lime	4	1022

	Thickness (feet)	Depth (feet)
<u>Well I-14 -- continued</u>		
Red bed and anhydrite	14	1036
Anhydrite	17	1053
Blue shale	3	1056
Anhydrite	5	1061
Salt and potash	75	1136
Salt, potash, and red beds	32	1168
Gray lime	4	1172
Anhydrite	18	1190
Brown lime	20	1210
Anhydrite	8	1218
Salt, anhydrite and potash	10	1228
Red beds	4	1232
Red rock and anhydrite	9	1240
Red rock and salt	20	1260
Anhydrite and brown lime	40	1300
Anhydrite	20	1320
Lime	26	1346
Anhydrite	305	1651
Sandy lime	61	1712
Sandy shale and lime	31	1743

Well I-22, partial log

W. F. Smith, 65 miles southeast of Fort
Stockton.

Lime	180	180
Blue shale	20	200
Yellow shale	10	210
Brown lime	10	220
Red rock	5	225
Red sand, water	10	235
Red rock	135	370
Blue shale	176	546
Gray lime	16	562
Pink shale	5	567
Sandy lime	8	575
Sand, salt water	35	610
Red rock	28	638
Sandy shale	30	668
Red rock	32	700
Lime	15	715
Blue shale	5	720
Salt, anhydrite and lime, water at 770 feet	50	770
Salt	47	817
Salt and potash	8	825
Red rock	15	840
Salt and anhydrite	15	855
Anhydrite, lime and red rock	20	875

(Continued on next page)

Table of drillers' logs, Pecos County -- Continued

	Thickness (feet)	Depth (feet)
<u>Well I-22, partial log--continued</u>		
Brown sandy lima, salt water	10	885
Sandy red rock	10	895
White sand, water	12	907
Salt	18	925
Red rock	35	960
Anhydrite	15	975
Sand	10	985
Sandy red rock	12	997
Anhydrite	48	1045
Red rock	7	1052
Anhydrite	20	1072
Brown lime and anhydrite	18	1090
Red rock and anhydrite shells	65	1155
Red rock	10	1165
Anhydrite	15	1180
Sand	10	1190
Red rock and anhydrite	26	1216
Lime and anhydrite	32	1248

	Thickness (feet)	Depth (feet)
<u>Well I-22, partial log--continued</u>		
Red rock	4	1252
Anhydrite	88	1440
Red rock and anhydrite shells	60	1500
White lime	4	1504
Anhydrite and gray lime	10	1514
Anhydrite	74	1588
Hard lime	6	1594
Lime shells	13	1607
Sand, salt water at 1,607 feet	22	1629
TOTAL DEPTH		2692

Partial analyses of water from wells and springs in Pecos County, Texas

Analyzed by the U. S. Geological Survey, Austin, Texas, under the direction of W. W. Hastings, District Chemist. Results are in parts per million. Well numbers correspond to numbers in table of well records.

Well	Owner	Depth of well (ft)	Date of collection	Dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃
A- 1	George Wilderspin	175	Nov. 22, 1946	1,320	220	47	168	216	454	320	9.0	742
A- 2	J. C. Trees Est.	80	Mar. 7, 1940	912	140	29	127	217	403	104	-	469
A- 3	Charles Dodson	104	May 31, 1940	1,992	278	73	233	212	923	234	45.0	994
A- 4	do.	103	Mar. 7, 1940	-	-	-	-	-	-	73	-	-
A- 5	Jim Broyels	105	Mar. 23, 1940	561	95	27	65	246	177	74	-	348
A- 6	Jimmy Deacon	125	Oct. 29, 1946	736	124	29	96	248	210	150	5.0	429
A- 8	Dr. D. J. Sibley	107	Dec. 7, 1946	878	122	32	109	138	284	185	4.0	436
A-10	-	129	Nov. 29, 1946	987	146	47	124	161	356	225	9.5	558
A-11	Mrs. W. W. Courtney	160+	Nov. 25, 1946	494	55	12	109	240	149	50	0.5	187
A-13	do.	85	Mar. 1, 1940	432	82	21	45	234	110	58	0.86	291
A-14	do.	207	Sept. 5, 1940	1,332	68	67	284	396	566	105	1.8	445
A-15	do.	92	Nov. 25, 1940	825	142	42	77	394	185	119	29	527
A-16	C. M. Caldwell	159	Nov. 21, 1946	400	81	16	40	215	99	50	6.0	268
A-17	do.	5,326	Sept. 6, 1940	3,240	566	199	12	66	2,092	18	0.75	2,230
A-18	C. E. Criswell	180	do.	346	56	18	42	152	94	58	1.2	214
A-20	H. D. Mendel	139	Sept. 5, 1940	448	-	-	-	-	-	51	-	-
A-21	do.	160	Nov. 26, 1946	605	120	21	54	224	206	70	8.4	386
A-23	Mrs. M. C. Mendel	203	June 15, 1942	444	51	18	56	140	106	70	0.8	202
A-25	do.	277	do.	545	94	23	67	242	156	74	12.0	329
A-26	T. S. Talley	193	Nov. 25, 1946	363	43	45	44	109	97	52	2.0	169
A-27	H. D. Mendel	218	Nov. 26, 1946	627	144	29	25	214	216	80	25.0	478
A-28	John McIntyre	231	Mar. 8, 1949	438	92	12	46	239	151	18	-	279
B- 1	E. T. Brandenburg	47	June 7, 1940	2,540	490	86	210	184	1,210	430	21.0	1,620

a/ By soap method.

b/ Had 29 parts per million sulfuric acid.

c/ Well deepened in 1947.

Partial analyses of water from wells and springs in Pecos County - Continued
(Results are in parts per million)

Well	Owner	Depth of well (ft.)	Date of collection	Dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃
B- 6	Allen Tipton	40	June 7, 1940	3,020	285	104	584	201	1,057	810	0.5	1,140
B- 6	do.	40	Oct. 24, 1946	2,930	324	116	520	264	1,080	760	4.3	1,290
B- 8	do.	Spring	Apr. 7, 1932	2,799	286	112	523	282	889	815	1.5	1,174
B- 8	do.	Spring	Oct. 13, 1939	2,410	234	98	457	212	895	620	-	987
B- 8	do.	Spring	Feb. 10, 1943	2,680	272	108	500	285	994	665	4.0	1,123
B- 9	J. C. Trees Est.	60	Oct. 24, 1946	2,330	254	93	420	288	851	570	4.5	1,020
B-10	Dr. D. J. Sibley	96	Dec. 7, 1946	912	146	36	114	156	326	200	13.0	512
B-11	do.	100	do.	2,320	398	100	173	124	1,410	112	65.0	1,400
B-13	H. E. Bonebrake	Spring	Apr. 7, 1932	5,435	483	219	1,076	321	1,780	1,665	1.7	2,105
B-13	do.	Spring	June 12, 1940	5,040	402	197	989	220	1,896	1,280	5.0	1,810
B-15	do.	120	Oct. 23, 1946	7,980	574	321	1,740	292	2,820	2,380	-	2,750
B-18	Richard Cochran	128	Feb. 8, 1947	6,750	466	303	1,480	248	2,030	2,350	-	2,410
B-20	George Adkins	120	Apr. 10, 1947	5,980	404	247	1,350	320	1,900	1,920	-	2,020
B-21	do.	99	Apr. 26, 1947	6,680	472	272	1,470	96	2,220	2,200	-	2,300
B-22	W. F. Moore	134	Dec. 17, 1946	5,890	364	273	1,310	113	1,860	2,020	4.0	2,030
B-23	do.	146	Sept. 25, 1946	6,180	460	268	1,340	338	1,850	2,100	-	2,250
B-23	do.	146	Apr. 22, 1947	6,270	488	271	1,340	314	1,820	2,200	-	2,330
B-25	G. C. Holliday	149	June 7, 1947	4,840	360	199	1,060	299	1,530	1,540	2.0	1,720
B-26	do.	147	do.	5,500	428	238	1,170	327	1,680	1,820	2.5	2,050
B-28	Hal Burnett No. 1	91	Sept. 26, 1946	7,770	726	313	1,550	226	2,370	2,700	-	3,100
B-29	Hal Burnett No. 2	98	Apr. 30, 1947	8,590	808	338	1,720	257	2,590	3,100	-	3,410
B-30	Hal Burnett No. 3	88	Sept. 26, 1946	-	-	-	-	230	2,390	2,800	-	-
B-31	Hal Burnett No. 4	94	do.	7,910	742	293	1,610	230	2,450	2,700	-	3,060
B-32	Fred Quintela	110	Apr. 22, 1947	8,450	808	304	1,710	255	2,660	2,840	-	3,270
B-33	Ralph Fogleman	87	do.	8,520	895	307	1,640	201	2,640	2,940	-	3,500
B-33	do.	87	May 1947	8,620	863	291	1,730	92	2,670	3,020	-	3,360

a/By soap method.

b/Had 29 parts per million sulfuric acid.

c/Well deepened in 1947.

Partial analyses of water from wells and springs in Fecos County - Continued
(Results are in parts per million)

Well	Owner	Depth of well (ft.)	Date of collection	Dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃
B-36	Bob Simpson	83	Apr. 22, 1947	8,370	854	329	1,610	233	2,480	2,980	-	3,480
B-39	W. K. Heagy	61	Sept. 27, 1946	10,300	712	406	2,330	232	3,060	3,650	-	3,450
B-41	Ira Cox	144	Sept. 10, 1946	-	-	-	-	350	1,880	2,150	-	-
B-42	Cecil Simmons	91	June 12, 1947	11,300	705	478	2,610	250	3,240	4,130	7.0	3,720
B-45	A. C. Hoover	67	Feb. 6, 1947	6,050	354	232	1,430	226	2,100	1,820	5.0	1,840
B-50	San Pedro Ranch	80	Oct. 30, 1946	5,870	372	86	1,580	203	1,950	1,780	2.5	1,980
B-53	Lee O. White	6,302	Oct. 28, 1946	4,970	758	233	545	327	2,290	80	0.5	2,850
B-55	R. G. Heiner	-	Nov. 23, 1940	5,555	736	245	568	b/ 0	2,660	950	0.5	2,840
B-58	John R. Bennett	202	Dec. 6, 1946	4,660	372	203	959	145	1,550	1,500	1.5	1,760
B-59	A. D. Neale	100 [±]	Oct. 24, 1946	8,210	553	456	1,670	245	2,530	2,880	-	3,260
B-61	H.E. Bonebrake	300 [±]	do.	7,950	705	272	1,700	328	2,470	2,640	-	2,880
B-62	D. C. Ogden Wilson	300 [±]	Oct. 23, 1946	3,580	328	168	670	256	1,220	1,030	41.0	1,510
B-63	do.	645	Oct. 24, 1946	3,600	312	149	710	152	1,390	965	1.5	1,390
B-64	A. D. Neale	92	Dec. 7, 1946	798	70	39	184	402	8.2	282	0.0	335
B-65	R. H. Price	500	Nov. 23, 1946	948	82	52	148	113	266	262	1.5	418
B-68	Henry Wilbanks	470	Oct. 23, 1946	1,330	168	62	213	257	402	360	0.8	674
B-72	Harrison Dyche	200 [±]	Feb. 10, 1943	2,800	342	115	447	287	1,108	640	9.8	1,326
B-73	San Pedro Ranch	260	Oct. 26, 1946	1,910	179	80	380	234	590	565	0.0	776
B-74	do.	81	Nov. 21, 1946	3,450	350	136	650	256	1,230	960	1.5	1,430
B-75	do.	Spring	Feb. 12, 1943	4,640	408	222	880	273	1,648	1,350	1.0	1,931
B-75	do.	Spring	May 11, 1943	4,890	424	225	950	258	1,684	1,478	-	1,983
B-75	do.	Spring	Apr. 10, 1946	-	-	-	-	284	1,840	1,530	-	-
B-76	do.	Spring	Feb. 12, 1943	3,900	296	171	816	297	1,378	1,090	1.5	1,442
B-76	do.	Spring	May 12, 1943	3,920	304	166	822	288	1,391	1,095	-	1,441
B-76	do.	Spring	Apr. 10, 1946	-	-	-	-	294	2,390	1,120	-	-
B-77	do.	Spring	Feb. 12, 1943	5,800	536	275	1,056	262	2,201	1,600	2.0	2,468
B-77	do.	Spring	May 12, 1943	4,670	338	203	939	260	1,674	1,340	-	1,803
B-78	do.	70	Nov. 21, 1946	-	-	-	-	247	1,470	1,280	-	a/1,000+
B-79	do.	Spring	Feb. 12, 1943	4,940	410	234	960	288	1,793	1,395	2.0	1,985
B-80	do.	1,363	Apr. 10, 1946	-	-	-	-	214	1,420	221	-	-
B-82	do.	81	Oct. 30, 1946	5,460	648	218	891	256	2,110	1,430	33.0	2,510
B-83	A. C. Hoover	59	do.	4,360	410	200	797	237	1,650	1,180	2.5	1,850

a/ By soap method.

b/ Had 29 parts per million sulfuric acid.

c/ Well deepened in 1947.

Partial analyses of water from wells and springs in Pecos County - Continued
(Results are in parts per million)

Well	Owner	Depth of well (ft.)	Date of collection	Dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃
B-84	San Pedro Ranch	95	Apr. 10, 1946	4,220	362	192	834	304	1,420	1,260	1.2	1,690
B-85	W. W. Turney Est.	-	Oct. 13, 1924	5,522	760	260	672	390	2,535	1,038	5.0	2,966
B-85	do.	-	Feb. 12, 1940	5,110	730	245	594	177	2,421	1,032	-	2,830
B-86	H. Johnson	-	June 6, 1940	-	-	-	-	-	-	1,030	-	-
B-87	W. W. Turney Est.	370	Feb. 5, 1947	10,600	912	497	2,090	153	3,300	3,760	-	4,320
C- 5	H. V. Colls	105	May 1, 1947	16,600	939	704	3,940	221	4,680	6,200	-	5,240
C- 6	Eugene Grove	116	Sept. 30, 1946	10,500	952	425	2,250	282	2,920	3,900	-	3,870
C- 7	O. L. Grove	101	Oct. 7, 1946	-	-	-	-	186	2,690	3,000	-	-
C- 7	do.	101	May 1, 1947	9,490	840	395	1,930	250	2,770	3,430	-	3,720
C- 8	do.	113	Mar. 1946	-	-	-	-	132	2,780	3,200	-	-
C- 8	do.	113	May 1, 1947	9,090	823	333	1,890	209	2,760	3,180	-	3,420
C-10	C. W. Mitchell	107	Sept. 30, 1946	9,400	716	301	2,180	190	2,710	3,400	-	3,020
C-13	A. E. Simmons No.1	79	Sept. 27, 1946	12,600	790	494	2,970	286	3,600	4,600	-	4,000
C-14	A. E. Simmons No.3	102	Dec. 13, 1946	12,500	766	451	3,070	110	2,970	5,150	-	3,770
C-15	Buena Vista Gin Co.	119	Oct. 22, 1946	10,800	620	466	2,560	312	3,150	3,900	-	3,460
C-16	L. B. Freeman No.2	96	do.	6,330	474	268	1,580	340	2,060	2,300	-	2,280
C-17	L. B. Freeman No.1	104	Sept. 10, 1946	-	-	-	-	328	2,030	2,300	-	-
C-18	George Brown No.1	100	Oct. 24, 1946	12,200	731	483	2,920	286	3,580	4,400	-	3,810
C-19	George Brown No.2	109	May 1, 1947	12,300	813	528	2,780	279	3,570	4,460	-	4,200
C-20	George Brown No.3	430	Oct. 24, 1946	45,000	1,250	608	14,900	225	4,940	23,200	-	5,620
C-21	G. C. Holliday	105	Oct. 22, 1946	9,590	650	398	2,140	215	3,100	3,200	-	3,260
C-22	Antonio Esparza	100	Sept. 10, 1946	-	-	-	-	222	3,200	4,000	-	-
C-22	do.	100	Apr. 22, 1947	10,700	710	484	2,360	264	3,160	3,820	-	3,760
C-24	F. A. Zeitler	106	Oct. 1, 1946	10,900	648	451	2,550	236	3,320	3,800	-	3,470
C-25	do.	105	June 10, 1947	11,400	688	509	2,630	250	3,050	4,350	5.5	3,810
C-29	W. J. Holliday	105	June 12, 1947	11,400	627	457	2,730	270	3,620	3,820	5.5	3,440
C-30	do.	102	do.	11,200	627	450	2,670	270	3,600	3,720	5.5	3,420
C-31	L. C. Holliday	85	do.	11,400	675	451	2,680	262	4,030	3,480	5.5	3,500
C-32	do.	100	June 11, 1947	-	-	-	-	256	3,110	3,260	-	a/1,000+
C-35	Leona M. Mueller	64	Feb. 3, 1947	9,710	510	384	2,380	255	2,920	3,390	-	2,850

a/ By soap method.

b/ Had 29 parts per million sulfuric acid.

c/ Well deepened in 1947.

Partial analyses of water from wells and springs in Pecos County - Continued
(Results are in parts per million)

Well	Owner	Depth of well (ft.)	Date of collection	Dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃
C-40	E. C. Powell	36	Aug. 26, 1940	8,390	431	329	1,992	204	2,580	2,760	16.0	2,430
C-43	Neal & Ratliff	452	Feb. 3, 1947	6,730	374	230	1,670	235	2,190	2,150	2.0	1,880
C-44	do.	358	June 6, 1940	11,230	823	446	2,153	182	3,020	3,740	1.8	389
C-45	George Adkins	100	do.	4,790	512	169	765	226	1,365	1,420	34.0	1,970
C-46	Fields Bros.	113	Feb. 3, 1947	4,080	384	183	762	214	1,440	1,200	1.5	1,710
C-48	Neal & Ratliff	146	Feb. 4, 1947	5,110	520	205	967	222	1,630	1,670	10.0	2,140
C-49	John W. Garner	170	do.	3,000	400	129	440	266	1,120	780	1.0	1,530
C-50	Neal & Ratliff	200+	do.	2,980	380	138	431	258	1,200	700	6.8	1,520
C-51	A. C. Hoover	132	Feb. 5, 1947	2,730	460	133	216	174	1,500	310	28.0	1,700
C-54	Ralph Johnson	115	Jan. 29, 1947	2,360	316	98	344	215	909	570	17.0	1,190
C-55	do.	87	do.	930	141	38	92	264	257	156	3.8	508
C-56	Roy Girvin	121	Jan. 31, 1947	1,200	222	62	93	232	464	238	3.8	809
C-57	Wes. Poole	68	Feb. 3, 1947	5,680	636	232	992	228	1,960	1,750	1.0	2,540
C-58	Roy Girvin	80	Jan. 27, 1947	2,720	340	107	438	276	1,010	680	4.4	1,290
C-64	West Texas Utili- ties Co. No. 5	254+	Jan. 25, 1947	1,390	216	61	164	204	581	265	0.2	790
C-65	Roy Girvin	40	do.	2,270	298	114	316	284	827	570	0.5	1,210
C-68	Roy McDonald	200	Dec. 14, 1946	908	126	48	112	106	301	230	39	512
D-1	Mrs. Henry Willbanks	100	May 8, 1947	948	154	29	88	410	228	86	0.8	504
D-4	do.	272	do.	379	73	17	43	238	84	44	0.5	252
D-5	Kennedy Est.	271	May 12, 1947	424	90	18	40	266	86	54	1.8	298
D-6	Mrs. Henry Willbanks	338	May 7, 1947	366	48	13	34	114	76	52	0.8	173
D-8	J. W. Stone	620	May 14, 1947	331	37	12	45	104	131	12	0.0	142
D-9	do.	60	do.	379	98	9.4	14	328	24	12	1.5	283
D-11	Dr. Moore Est.	370	May 13, 1947	300	56	12	22	219	26	20	1.8	189
D-12	R. Lindsey	500	May 7, 1947	299	79	15	17	314	17	10	6.4	258
D-13	Kennedy Est.	357	May 12, 1947	508	88	27	21	269	109	25	7.2	330
D-14	Dr. Moore Est.	388	do.	384	79	15	26	269	43	27	11	258
D-15	do.	236	May 13, 1947	505	121	15	19	322	45	56	18	364

a/ By soap method.

b/ Had 29 parts per million sulfuric acid.

c/ Well deepened in 1947.

Partial analyses of water from wells and springs in Pecos County - Continued
(Results are in parts per million)

Well	Owner	Depth of well (ft.)	Date of collection	Dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃
D-16	Gene Cartledge	400	May 14, 1947	391	64	21	36	293	35	26	14	246
E- 2	Emerson Tinkler	200 ^a	Sept. 6, 1940	432	86	19	37	218	100	62	4.2	-
E- 3	Texas Highway Dept.	225	June 18, 1942	442	83	19	40	242	96	52	0.0	285
E- 4	H. Alexander	450	May 7, 1947	393	78	18	38	201	92	65	0.0	263
E- 6	Kennedy Est.	205	June 18, 1942	548	93	32	55	292	165	38	22.0	364
E- 6	do.	205	May 5, 1947	598	98	33	49	292	161	42	26	380
E-10	Mrs. Webb Courtney	188	June 15, 1942	1,364	-	-	-	258	456	290	-	-
E-12	Dr. D. J. Sibley	350	do.	2,036	-	-	-	208	1,042	202	-	-
E-13	do.	401	Nov. 23, 1946	1,120	158	45	178	270	310	300	0.5	580
E-14	Charles Eldred	300	June 18, 1942	1,454	-	-	-	336	344	340	-	-
E-17	Mrs. M. L. Mauld	222	do.	1,348	-	-	-	154	402	370	-	-
E-17	do.	222	Oct. 21, 1946	1,270	132	61	228	188	383	370	1.2	580
E-27	R. D. Webb Farms	1,550	do.	1,940	327	83	184	149	960	308	0.5	1,160
E-28	Clayton Williams	1,373	Apr. 3, 1944	1,990	342	83	194	252	959	292	0	1,200
E-29	do.	446	Jan. 30, 1947	1,350	156	52	250	280	413	345	0.8	604
E-30	R. D. Webb Farms	1,756	Apr. 11, 1946	2,560	504	115	133	154	1,480	250	0.5	1,730
E-31	Mrs. C. L. Thompson	3,575	Apr. 1, 1932	2,020	388	103	88	174	1,233	105	0.05	1,392
E-31	do.	-	Apr. 3, 1944	2,440	478	116	115	202	1,470	160	0	1,760
E-32	George Baker	220	May 5, 1947	680	104	23	86	245	149	127	6.7	354
E-33	do.	200	do.	2,640	360	106	371	277	1,070	525	75	1,330
E-35	Kennedy Est.	240	do.	420	76	17	31	205	93	29	24	260
E-36	do.	265	do.	690	119	40	58	350	191	57	24	462
E-37	do.	275	do.	576	70	19	99	252	120	96	0.5	252
E-38	Dr. Moore Est.	420	May 12, 1947	638	78	32	90	202	152	102	13.	326
E-39	do.	200	do.	554	101	18	52	245	116	80	3.0	326
E-40	Graef Bros.	360	May 19, 1947	814	101	27	141	304	193	155	0.2	363
E-41	-- Townsin	160	do.	724	112	21	92	239	178	128	6.5	366
E-42	Mrs. Jess Elrod	460	May 17, 1947	957	110	44	160	248	326	169	26	456
E-43	do.	400	do.	2,470	456	149	80	156	1,630	56	26	1,750
E-44	Kennedy Est.	330	do.	942	106	31	147	191	240	217	0.2	392

a/ By soap method.

b/ Had 29 parts per million sulfuric acid.

c/ Well deepened in 1947.

Partial analyses of water from wells and springs in Pecos County - Continued
(Results are in parts per million)

Well	Owner	Depth of well (ft.)	Date of collection	Dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃
E-45	Clayton Williams	174	Nov. 19, 1946	-	-	-	-	211	467	440	-	a/ 660
E-46	do.	146	do.	-	-	-	-	271	401	382	-	a/ 615
E-47	A. C. Mitchell	456	June 15, 1942	1,406	-	-	-	250	411	355	-	-
E-48	Clayton Williams	176	Nov. 19, 1946	1,390	146	59	262	259	410	380	0.5	607
E-52	J. S. Oats	1,000	May 27, 1947	1,160	131	52	210	236	296	352	0.0	541
E-55	do.	330	do.	1,330	132	53	286	242	393	398	0.0	598
E-57	do.	726	June 20, 1947	1,270	135	49	211	263	352	294	0.2	538
E-58	do.	840	do.	590	35	33	66	289	130	82	4.6	348
F- 2	Ernest Riggs	300	Dec. 3, 1946	924	94	44	157	112	275	268	0.3	416
F- 4	do.	334	Dec. 9, 1946	2,250	243	155	651	200	1,270	325	12	1,240
F- 6	Riggs and Lewis	300	June 16, 1942	1,292	-	-	-	254	360	320	-	-
F- 8	Ernest Riggs	214	Dec. 3, 1946	1,160	105	52	229	143	359	342	1.0	476
F- 9	do.	380	June 6, 1947	2,870	320	131	479	273	1,020	755	-	1,340
F-10	Dr. D. J. Sibley	400	Dec. 4, 1946	1,200	115	55	223	125	380	362	1.0	513
F-11	do.	486	do.	1,470	124	63	300	128	481	435	1.0	568
F-12	do.	3,300	Apr. 13, 1946	3,500	644	221	193	150	2,310	150	0.0	2,520
F-13	W. B. Barker	515	Mar. 1947	1,600	206	60	267	274	543	390	1.5	760
F-16	Othro Adams	208	Feb. 5, 1947	1,720	180	74	317	234	560	470	5.6	754
F-17	Lee O. White	310	Feb. 2, 1947	2,560	284	93	476	324	389	650	15.	1,090
F-18	do.	312	Feb. 1, 1947	2,380	266	86	443	326	785	630	11.	1,020
F-22	Charles Stone	147	Oct. 28, 1946	3,210	352	94	777	306	1,020	795	25.	765
F-23	B. G. Smith	147	Oct. 2, 1946	2,590	304	100	445	306	914	650	22	1,170
F-24	E. R. Dyche	180	Oct. 18, 1946	1,940	240	76	331	314	611	520	4.9	912
F-26	Harrison Dyche	260	Apr. 16, 1947	3,420	416	144	537	308	1,380	780	10.0	1,630
F-27	San Pedro Ranch	Spring	Feb. 11, 1943	2,830	332	119	464	298	1,095	660	14	1,318
F-28	do.	81	Nov. 21, 1946	3,440	324	145	655	304	1,270	890	2.5	1,490
F-29	T. L. Robinson	Spring	Feb. 11, 1943	2,424	230	104	463	288	867	615	3.5	1,002
F-30	San Pedro Ranch	80	Nov. 21, 1946	-	-	-	-	347	495	435	-	a/ 705
F-31	do.	80	do.	-	-	-	-	267	1,310	860	-	a/1,000+
F-32	do.	82	do.	-	-	-	-	364	2,850	1,470	-	a/1,000+
F-34	H. D. Ward	181	June 6, 1940	2,210	188	91	428	190	754	590	0.75	-

a/ By soap method.

b/ Had 29 parts per million sulfuric acid.

c/ Well deepened in 1947.

Partial analyses of water from wells and springs in Pecos County - Continued
(Results are in parts per million)

Well	Owner	Depth of well (ft.)	Date of collection	Dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃
F-36	University of Texas	185	Jan. 28, 1947	960	131	57	122	230	323	214	0.0	562
F-37	do.	375	do.	1,320	177	66	196	308	377	335	1.5	713
F-38	J. C. Cunningham	250	Apr. 14, 1947	1,310	156	55	236	306	365	352	0.0	616
F-39	do.	300	Apr. 17, 1947	1,190	154	58	135	280	365	295	0.0	623
F-41	L. D. White	151	Apr. 14, 1947	1,610	188	65	287	310	500	415	0.8	736
F-42	do.	96	do.	2,840	332	119	483	352	958	750	20.0	1,320
F-44	Roots Est. No. 1	5,000	Aug. 1946	8,060	18	69	3,090	1,440	73	4,100	-	328
F-45	H. L. Winfield	200	May 2, 1947	1,520	164	71	265	200	486	430	0.5	702
F-50	Ralph Reichman	233	Oct. 18, 1946	1,370	158	55	249	276	398	370	0.2	620
F-52	City of Fort Stockton No. 1	175	Oct. 21, 1946	1,410	156	53	258	274	424	352	0.8	608
F-53	City of Fort Stockton No. 2	193	do.	1,420	156	52	260	276	427	350	0.4	604
F-56	Charles E. Dees	385	Dec. 3, 1946	1,320	98	53	253	102	407	358	1.5	462
F-58	-	Spring	Apr. 7, 1932	1,368	133	54	269	271	393	358	0.83	566
F-58	-	Spring	June 1, 1941	1,332	142	50	261	273	394	350	.0	560
F-58	-	Spring	Oct. 9, 1946	1,310	125	53	261	188	429	352	0.0	530
F-59	R. H. Price	230	Nov. 15, 1946	1,320	180	54	210	290	384	348	0.0	671
F-60	C. L. Eaker	147	Nov. 14, 1946	1,800	228	75	295	340	596	440	0.0	878
F-62	do.	317	Oct. 30, 1946	1,320	154	52	242	288	394	340	0.2	598
c/F-62	do.	1,547	June 6, 1947	3,410	448	205	319	175	2,180	172	0.0	1,960
F-63	Dow Puckett	350	Nov. 30, 1946	120	100	52	250	142	384	348	2.0	464
F-64	H. D. Chriesman	218	June 16, 1942	1,376	-	-	-	278	390	355	-	-
F-66	R. D. Webb Farms	341	Oct. 31, 1946	1,250	160	55	206	257	360	345	0.8	626
F-67	do.	289	do.	2,220	416	116	115	179	1,290	195	0.2	1,520
F-70	Clayton Williams	125	Apr. 3, 1944	1,350	134	50	279	280	379	370	0.5	540
F-71	Dow Puckett	183	June 15, 1942	1,392	-	-	-	276	374	340	-	-
F-72	do.	200	Nov. 19, 1946	1,250	172	53	193	281	375	316	0.0	647
F-73	University of Texas	148	June 16, 1942	1,490	-	-	-	282	454	345	-	-
F-76	A. L. Price	198	June 15, 1942	1,364	-	-	-	276	394	310	-	-

a/ By soap method.

b/ Had 29 parts per million sulfuric acid.

c/ Well deepened in 1947.

Partial analyses of water from wells and springs in Pecos County - Continued
(Results are in parts per million)

Well	Owner	Depth of well (ft.)	Date of collection	Dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃
F-76	A. L. Price	198	Nov. 19, 1946	-	-	-	-	264	425	318	4.0	a/ 562
F-77	Dow Puckett	220	Nov. 16, 1946	1,120	152	53	167	260	352	270	0.5	598
F-78	do.	325	June 16, 1942	1,436	-	-	-	134	754	96	-	-
F-79	do.	380	Nov. 16, 1942	992	150	63	75	204	451	105	16.	634
F-81	A. C. Mitchell	245	June 15, 1942	376	66	21	29	258	53	23	8.4	251
F-82	Dow Puckett	3,220	Nov. 18, 1946	4,820	470	133	871	134	3,040	240	0.0	1,720
F-84	do.	400	do.	1,490	170	82	214	238	660	238	11.	762
F-86	J. R. Wade	500	Nov. 13, 1946	-	-	-	-	280	361	261	-	-
F-91	R. H. Price	300	Nov. 14, 1946	-	-	-	-	227	491	290	-	a/ 608
F-92	do.	270	Nov. 15, 1946	-	-	-	-	199	387	298	-	a/ 532
F-93	W. A. Adams	295	June 16, 1942	1,288	-	-	-	282	368	290	-	-
F-94	R. H. Price	270	Nov. 15, 1946	-	-	-	-	210	323	280	-	a/ 442
F-95	J. B. Wade	375	Nov. 13, 1946	1,410	200	59	206	290	394	310	0.5	742
G- 1	University of Texas	160	Jan. 28, 1947	1,260	192	66	153	280	416	296	3.8	750
G- 3	do.	375	do.	1,000	142	45	121	252	293	206	0.2	540
G- 4	do.	234	do.	1,100	169	67	126	384	313	234	0.8	698
G- 5	do.	235	do.	801	107	38	107	272	234	134	0.0	423
G- 6	R. P. Hinyard Est.	230	Jan. 30, 1947	1,110	144	54	167	236	366	262	0.8	582
G- 8	Ralph Johnson	195	Jan. 29, 1947	1,510	266	64	79	244	600	194	0.0	927
G- 9	Fonnie Woodward	335	Dec. 12, 1946	920	76	29	177	41	237	292	0.8	308
G-10	Roy McDonald	290	do.	1,030	136	69	127	196	279	318	0.0	623
G-12	do.	175	Dec. 16, 1946	1,370	129	74	235	101	503	370	11.0	626
G-13	University of Texas	200	Apr. 19, 1947	861	96	39	123	211	230	178	4.0	400
G-15	do.	125	do.	810	111	38	82	267	170	148	7.5	433
G-17	White & Baker	Spring	May 9, 1947	2,150	208	95	412	304	683	600	0.0	910
G-20	Clem McKenzie	114	Feb. 1, 1947	1,100	144	48	175	278	335	254	2.5	557
G-21	do.	157	do.	1,220	175	55	173	268	394	288	4.3	662
G-22	E. W. McKenzie Est.	95	May 7, 1947	1,090	164	49	146	240	337	270	1.5	611
G-23	do.	Spring	May 13, 1943	1,111	139	47	188	283	340	258	-	540
G-23	do.	Spring	Oct. 9, 1946	1,020	103	45	190	176	338	252	3.0	442
G-24	Alph Herral	300	May 7, 1947	980	138	38	142	302	264	209	5.0	500

a/ By soap method.

b/ Had 29 parts per million sulfuric acid.

c/ Well deepened in 1947.

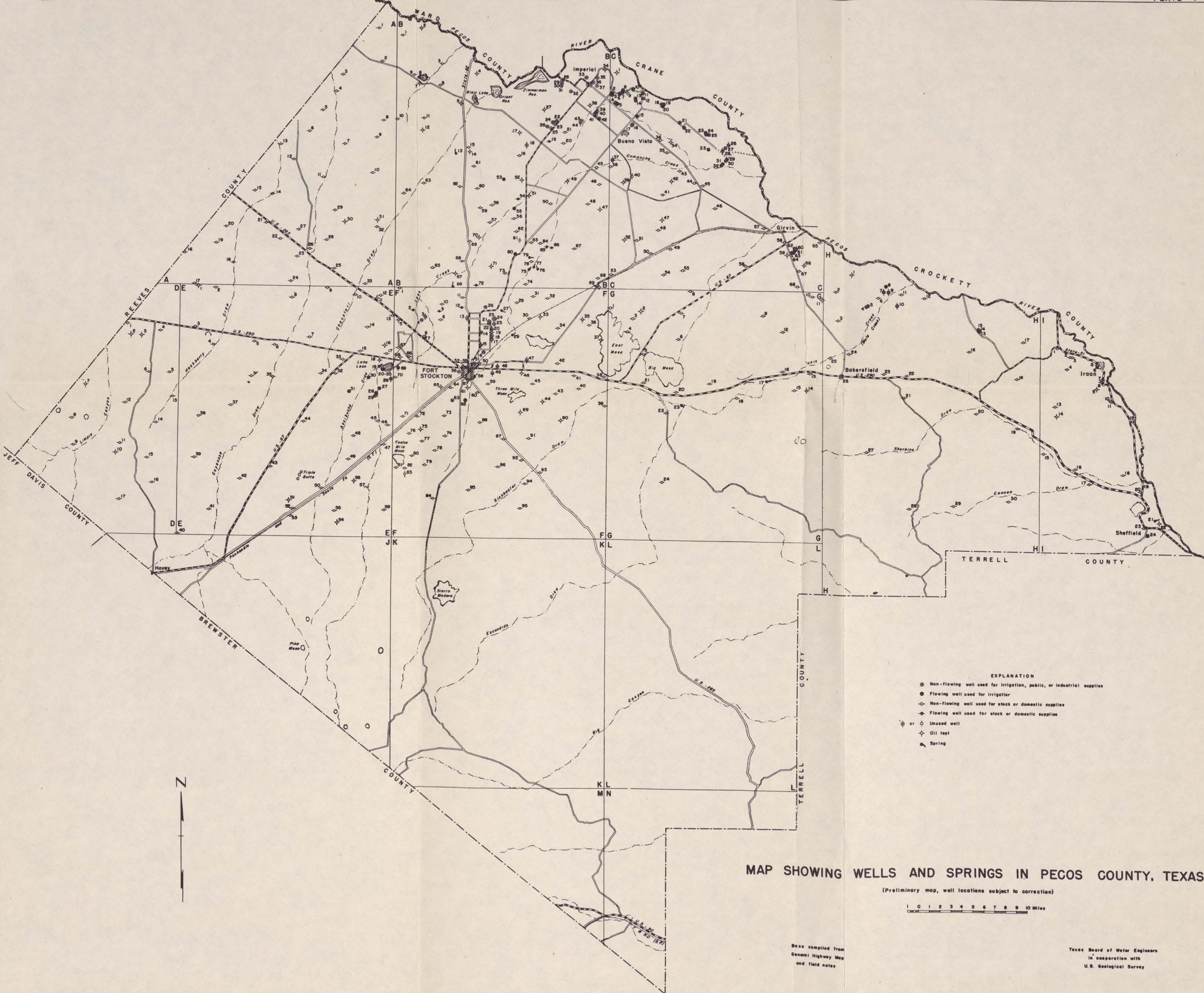
Partial analyses of water from wells and springs in Pecos County - Continued
(Results are in parts per million)

Well	Owner	Depth of well (ft.)	Date of collection	Dissolved solids	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K)	Bicarbonate (HCO ₃)	Sulfate (SO ₄)	Chloride (Cl)	Nitrate (NO ₃)	Total hardness as CaCO ₃
H- 4	V. G. Neville	192	Dec. 9, 1946	986	87	52	147	128	234	245	4.3	431
H- 6	do.	78	Dec. 14, 1946	592	44	22	144	184	33	231	2.2	200
H- 8	Darrell Warren	138	Apr. 11, 1947	1,430	198	69	211	362	412	360	4.0	778
H-12	Ernest Poer	62	Apr. 12, 1947	1,920	222	108	291	332	668	470	1.0	998
H-14	City of McCamey, No. 2	354	Feb. 11, 1947	397	71	25	33.1	250	76	44	3.8	280
H-16	Larry & Wilson	800+	Apr. 25, 1947	350	71	24	16	244	67	28	0.8	276
H-17	M. A. Smith	233	Dec. 13, 1946	721	69	39	87	104	80	248	3.5	332
H-20	Frank A. Perry	315	May 1, 1947	382	71	26	13	242	55	36	6.0	284
H-21	White & Baker	150	Apr. 19, 1947	311	69	17	13	228	47	22	3.0	242
H-22	Mrs. M.L. McKenzie	535	Apr. 28, 1947	437	68	32	10	210	94	34	6.0	301
H-23	University of Texas	300	Dec. 9, 1946	246	42	16	14	128	53	29	0.2	171
H-24	do.	180	do.	1,030	107	48	202	120	173	440	5.0	464
H-25	do.	116	do.	1,230	110	52	240	224	472	242	0.8	488
H-26	Fred Davidson	192	do.	892	86	40	139	100	267	225	3.5	379
H-27	Tom McKenzie	279	Apr. 15, 1947	275	60	12	15	212	22	20	9.0	199
H-28	Arthur Harral	600	May 5, 1947	350	70	22	18	226	47	46	7.0	265
H-29	do.	580	do.	333	72	21	18	242	70	24	0.0	266
I- 1	I. G. Yates Est.	170	Apr. 23, 1947	367	69	32	19	238	53	34	5.5	304
I- 3	do.	245	Apr. 24, 1947	377	71	29	20	274	53	40	5.0	296
I- 6	Iraan Ice, Gas, and Water Co.	210	Feb. 11, 1947	1,370	152	74	235	292	233	500	6.2	684
I- 7	I. G. Yates Est.	180	Apr. 23, 1947	532	89	42	49	334	19	74	0.0	394
I-12	do.	38	do.	452	71	38	19	270	60	60	8.0	333
I-15	Charles C. Cannon	201	May 1, 1947	358	70	27	18	256	51	40	7.0	286
I-17	Mrs. Thomas Thigpin	210	Apr. 29, 1947	342	62	26	17	258	38	30	6.5	262
I-18	Bill Monroe	175	Apr. 22, 1947	303	61	29	6.9	244	34	32	6.5	271
I-20	Mrs. Jerry Monroe	150	Dec. 13, 1946	263	38	23	18	186	33	28	2.2	190
I-21	J. W. Cannon	Spring	-	387	76	18	42	260	23	71	4.7	264
I-23	Sheffield Public School	139	Apr. 22, 1947	282	77	17	4.3	262	21	22	6.0	262
I-24	H. C. Noelke, Jr.	180	June 7, 1946	246	70	16	13	254	26	18	9.1	240

a/ By soap method

b/ Had 29 parts per million sulfuric acid.

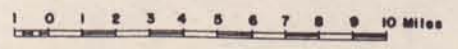
c/ Well deepened in 1947.



- EXPLANATION**
- Non-flowing well used for irrigation, public, or industrial supplies
 - Flowing well used for irrigation
 - Non-flowing well used for stock or domestic supplies
 - Flowing well used for stock or domestic supplies
 - ◇ or ◇ Unused well
 - ◇ Oil test
 - Spring

MAP SHOWING WELLS AND SPRINGS IN PECOS COUNTY, TEXAS

(Preliminary map, well locations subject to correction)



Base compiled from
General Highway Map
and field notes

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