

STATE BOARD OF WATER ENGINEERS

C. S. Clark, Chairman  
A. H. Dunlap, Member  
J. W. Pritchett, Member

TEXAS

PECOS RIVER BASIN

VOLUME II

RECORDS OF WELLS AND SPRINGS AND ANALYSES OF WATER  
IN LOVING, WARD, REEVES AND NORTHERN PECOS COUNTIES

By

P. Eldon Dennis and Joe W. Lang

Prepared in cooperation between the Geological  
Survey, United States Department of the Interior,  
and the Texas State Board of Water Engineers

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# ILLUSTRATIONS

Plate 1. Map of the Pecos Basin in Texas showing wells and springs

Records of wells and springs, drillers' logs, water level measurements, and analyses of water from wells and springs in the Pecos River Basin in Texas.

## Introduction

By

A. N. Sayre, Geologist  
Geological Survey  
United States Department of the Interior

This publication constitutes the second volume of a report on the ground-water conditions in the Pecos River Basin in Texas, prepared by the Geological Survey, United States Department of the Interior, and the Texas State Board of Water Engineers, in connection with a joint investigation of the Pecos River Basin sponsored by the National Resources Planning Board. The other volumes contain data on auger holes put down to study the shallow water in the irrigation districts (Volume III), and text discussing the geology and ground-water resources of the Basin (Volume I).

The wells and springs recorded herein supply water for domestic and stock uses and for public supplies. In the area west of Pecos wells supply the water for irrigating about 2,500 acres of feed crops, cotton, and cantaloupes. Springs supply the water used for irrigation near the towns of Balmorhea, Leon Springs, Fort Stockton, Santa Rosa, and Monument Springs. In the area near Barstow, wells have been used to some extent to supplement the river water for irrigation.

The records given in this release serve as a guide to land owners and others who need information regarding wells and pumping plants in different parts of the area and the quantity and quality of the water yielded by the wells.

Mr. Dennis collected the data on the area west of the river and Mr. Lang collected the data on the area east of the river. The samples of water were collected chiefly by Messrs. Dennis and Lang and the analyses were made in the laboratory of the Quality of Water Division of the Geological Survey at Pecos, Texas, by H. A. Talvite, B. Ireland, and R. G. Kerlin under the supervision of W. W. Hastings.

The publication was mimeographed by employees of the Work Projects Administration Project No. 17276.

Records of Wells and Springs in Ward County, Texas  
(All wells are drilled unless otherwise noted under remarks)

No.	Distance from Barstow	Owner or Name	Driller	Date completed	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well	Method of lift
W-1.	13 miles northwest	A. T. Knapp	L. F. Buchanan	Dec. 1940	g/2,715	105	6	W
W-2.	11 $\frac{1}{2}$ miles northwest	Monroe estate	Rector Oil Co.	June 1933	f/2,634	4,648		N
W-3.	11 $\frac{1}{4}$ miles northwest	Monroe estate			f/2,634	35		N
W-4.	11 $\frac{3}{4}$ miles north	W. R. Gaddle	Clyde Simmonds	Oct. 1939	g/2,702	97	6	W
W-5.	10 $\frac{1}{2}$ miles north	L. D. Boxley			g/2,670	87	6	W
W-6.	10 $\frac{1}{2}$ miles north	L. D. Boxley			g/2,670	92	6	W
W-7.	10 miles north	Monroe estate		old	g/2,670	71	8	N
W-8.	9 $\frac{1}{2}$ miles northwest	Monroe estate			g/2,655	63	8	W
W-9.	9 $\frac{3}{4}$ miles northwest	Benton Land Co.	Plains Prod. Co. Simms Oil Co.	Aug. 1932	f/2,654	4,825		
W-10.	8 $\frac{1}{4}$ miles northwest	Bankers International Ins.Co.	Plains Prod. Co. Rector Oil Co.	Nov. 1933	f/2,625	4,760		
W-11.	8 $\frac{1}{4}$ miles northwest	Bankers International Life Ins.Co.	Plains Prod. Co. Rector Oil Co.	Mar. 1933	f/2,652	38	6 $\frac{1}{2}$	W
W-12.	8 $\frac{1}{4}$ miles northwest	Monroe estate	Plains Prod. Co.	1929	f/2,652	87	6 $\frac{1}{2}$	
W-13.	8 $\frac{1}{4}$ miles northwest	Monroe estate	Plains Prod. Co.	Oct. 1931	f/2,659	4,545		
W-14.	7 $\frac{1}{2}$ miles northwest	Monroe estate			f/2,643	42	6	N
W-15.	7 $\frac{3}{4}$ miles north	Monroe estate	White and Eppenauer		g/2,645	4,710		
W-16.	7 $\frac{3}{4}$ miles north	Monroe estate	Simmonds	1936	g/2,645	90	5 $\frac{1}{4}$	P
W-17.	6 $\frac{1}{2}$ miles north	Monroe estate	Jim Miles	Apr. 1940	2,628.9	74	5	W
W-18.	7 miles north	Monroe estate	F. H. Murphy Oil Co.	Aug. 1937	g/2,655	5,050		
W-19.	7 miles north	Monroe estate	F. H. Murphy Oil Co.	Aug. 1937	g/2,660	235	8	W
W-20.	9 $\frac{1}{4}$ miles north	J. A. Huntsman		old	g/2,700	168	6 $\frac{1}{2}$	W
W-21.	12 miles north	Texas University		old	g/2,785	106	6	W
W-22.	14 $\frac{1}{4}$ miles north	Texas University	L. P. Buchanan	Feb. 1940	g/2,815	151	6	W
W-23.	16 $\frac{1}{4}$ miles northeast	Texas University		1938	g/2,745	160	6	W
W-24.	13 miles northeast	Texas University		old	g/2,772.	168	8	W
W-25.	13 miles northeast	Texas University		old	g/2,772	98	6	W
W-26.	7 $\frac{1}{4}$ miles northeast	L. W. Anderson		old	g/2,672	188	6	W
W-27.	10 $\frac{1}{4}$ miles northeast	Texas University		1935	g/2,735	86	12	W

See footnotes at end of table.

Records of Wells and Springs in Ward County, Texas  
 (All wells are drilled unless otherwise noted under remarks)

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)h/	Date of measurement		
W- 1.	Alluvial sand and gravel	93.5	Feb. 5, 1940	S	See log.
W- 2.	--	--	--	--	Oil test.
W- 3.	Alluvium	--	--	--	Used about 75 gallons a minute in drilling oil test.
W- 4.	Alluvium	74.1	Oct. 25, 1939	S	Lower part of well is gravel-treated to keep out quicksand.
W- 5.	Alluvium	58.0	Oct. 25, 1939	D,S	Tested 25 gallons a minute.
W- 6.	Alluvial gravel	57.6	Oct. 25, 1939	D,S	Quicksand at 60 feet, cased off. Located 8 feet south of W-5.
W- 7.	Alluvium	61.6	Oct. 26, 1939	N	
W- 8.	Alluvium	53.3	Oct. 25, 1939	S	
W- 9.	--	--	--	--	Oil test. See log.
W-10.	--	--	--	--	Oil test.
W-11.	Alluvium	29.8	Nov. 6, 1939	S	Supplied drilling rig for oil test.
W-12.	Alluvium	57.4	Nov. 6, 1939	N	Water reported as unfit for drinking.
W-13.	--	--	--	--	Oil test. See log.
W-14.	Alluvium	--	--	N	Furnished water for drilling of oil test.
W-15.	--	--	--	--	Oil test.
W-16.	Alluvium	47.0	Oct. 25, 1939	N	Furnished water to drill oil test.
W-17.	Alluvium	40.6	Apr. 25, 1940	S	Water samples were taken at 45 and 76 feet by driller. See log.
W-18.	--	--	--	--	Oil test. See log.
W-19.	--	103.6	Dec. 5, 1940	S	Furnished water for oil test.
W-20.	--	126.5	Dec. 5, 1940	S	
W-21.	--	50.6	Aug. 21, 1940	S	Known as "P" lake well.
W-22.	--	109.7	Aug. 21, 1940	S	Cylinder pump set at 140 feet. See log.
W-23.	--	110.	Rept.	S	Slush dump shows material resembling Triassic red clay and red sandstone.
W-24.	--	84.3	Aug. 22, 1940	S	Located at Anderson ranch headquarters. North well of two wells 110 feet apart.
W-25.	--	84.7	Aug. 22, 1940	D,S	South well of two wells 110 feet apart.
W-26.	--	115.5	Aug. 21, 1940	S	Water level taken while pumping approximately 2 gallons a minute.
W-27.	--	52.5	Aug. 15, 1940	N	Reported weak supply.

No.	Distance from Pyote	Owner or Name	Driller	Date completed	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of lift a/
W-28.	7 $\frac{1}{2}$ miles west	Texas University				210	8	W
W-29.	6 $\frac{3}{4}$ miles west	Texas University	L. F. Buchanan		<u>g</u> /2,690	440	12	N
W-30.	6 $\frac{1}{4}$ miles northwest	Texas University		1939	<u>g</u> /2,705	130	5	W
W-31.	7 $\frac{1}{2}$ miles northwest	Texas University		old			5	W
W-32.	7 $\frac{3}{4}$ miles northwest	Texas University	L.F.Buchanan	Apr. 1939	<u>g</u> /2,705	176	7	W
W-33.	4 $\frac{1}{2}$ miles northwest	Texas University		old	<u>g</u> /2,660	96		W
W-34.	4 $\frac{1}{2}$ miles northwest	Texas University		old	<u>g</u> /2,660	97	6	W
W-35.	3 $\frac{1}{2}$ miles north	O.N.Rogers		1937	<u>g</u> /2,658	138	6	W
W-37.	4 $\frac{1}{2}$ miles north	O.N.Rogers	Selby Oil & Gas Company		<u>f</u> /2,661	3,632		
W-38.	5 $\frac{3}{4}$ miles north	Texas Hwy. Dept.						N
W-39.	8 $\frac{1}{4}$ miles north	Geo.Sealy estate		1930	<u>g</u> /2,695	144	6	W
W-40.	8 miles north	Geo.Sealy estate	Sun Oil Co.	Apr. 1930	<u>g</u> /2,695	2,580		
W-41.	8 miles north	Geo.Sealy estate		1938	<u>g</u> /2,688	130	6	W
W-42.	8 $\frac{1}{2}$ miles north	Geo.Sealy estate	Finley & Cherry	1936	<u>f</u> /2,713	3,203		
W-43.	7 miles north	Geo.Sealy estate		old		142	6	W
W-44.	8 $\frac{1}{2}$ miles northeast	Gulf Oil Corp.	J. R. Marshall	July 1938	<u>f</u> /2,707	217		P
W-45.	8 $\frac{3}{4}$ miles northeast	G.W.O'Brien		1938		149	6	W
W-46.	7 miles northeast	Geo.Sealy estate	Magnolia Petroleum Co.	1931	<u>f</u> /2,686	3,175		
W-47.	5 $\frac{1}{2}$ miles north	Geo. Sealy estate	Magnolia Petroleum Co.	1935		210	8 $\frac{1}{4}$	
W-48.	3 $\frac{1}{4}$ miles northeast	Geo.Sealy estate	Magnolia Petroleum Co.	1937	<u>f</u> /2,622	4,316		
W-49.	1 $\frac{1}{2}$ miles northeast	O.N.Rogers		old		150	8	W

No.	Distance from Monahans	Owner or Name	Driller	Date completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of lift a/
W-50.	8 $\frac{1}{4}$ miles west	Cabot Carbon Co.	R. & R. Drilling Company			235		P
W-52.	7 $\frac{1}{2}$ miles west	G.W. O'Brien			<u>f</u> /2,652	117	10	W

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)b/	Date of measurement		
W-28.	--	159.0	Aug. 15, 1940	S	Two unused wells a few feet from this well.
W-29.	--	117.5	Aug. 15, 1940	N	Reported weak supply.
W-30.	--	116.6	Aug. 15, 1940	S	Recovered 1.5 feet after windmill shut-off 1 minute. Rate of pump-
W-31.	--	--	--	S	Obstruction ing 2 gallons a minute. at 71 feet.
W-32.	--	--	--	S	Seeps at 83 feet. South well of two wells at Derrick water hole.
W-33.	--	90.4	Aug. 22, 1940	S	Southwest well of two wells 100 feet apart.
W-34.	--	89.4	Aug. 22, 1940	S	Northeast well of two wells about 100 feet apart.
W-35.	--	92.2	Feb. 23, 1940	S	Furnished water for drilling oil test.
W-37.	--	--	--	--	Oil test.
W-38.	--	--	--	N	Obstructed at 30 feet. Supplied water for wetting road base during
W-39.	--	107.4	Aug. 22, 1940	S	Drawdown highway construction. 1.2 feet after 2 hours pumping 2
W-40.	--	--	--	N	Oil test. to 3 gallons a minute.
W-41.	--	108.3	Aug. 23, 1940	S	Drawdown 3.5 feet after several hours pumping about 3 gallons a
W-42.	--	--	--	--	Oil well; initial produc- tion 55 barrels
W-43.	--	--	Feb. 23, 1940	S	
W-44.	Triassic sandstone	--	--	Ind	Initial test: 440 barrels in 2 hours 40 minutes. Nine stage 4-inch tur-
W-45.	Triassic sandstone?	143.+	Feb. 23, 1940	S	Water; bine pump at 200 feet. See log. level taken while well was pumping.
W-46.	--	--	--	--	Oil test. Flowed 4,000 barrels sulphur water.
W-47.	--	--	--	--	See log.
W-48.	--	--	--	--	Oil test. No production.
W-49.	--	110.	Rept.	S	

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)b/	Date of measurement		
W-50.	--	--	--	D,	Supplies water for approximately
W-52.	--	101.7	May 3, 1940	Ind S	140 people at Company camp.

See footnotes at end of table.



No.	Distance from Monahans	Owner or Name	Driller	Date completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of
W-53.	7 $\frac{1}{2}$ miles west	G. W. O'Brien	Gulf Production Company	1930	f/2,653	3,252		N
W-54.	6 $\frac{3}{4}$ miles west	E.L.Lanchart		1937		172	5	P
W-55.	6 $\frac{1}{2}$ miles west	Gulf Production Company	S.C.Ingham	1937	f/2,668	346		P
W-56.	6 $\frac{3}{4}$ miles west	Gulf Production Company		1937	f/2,657	362	8 $\frac{1}{4}$	P
W-57.	5 $\frac{3}{4}$ miles west	G.W.O'Brien		1937	g/2,670	157	6	W
W-58.	6 miles west	Gulf Production Company	J.R.Marshall	1934	f/2,681	350	7	P
W-59.	7 miles west	G.W.O'Brien			g/2,645			W
W-60.	6 $\frac{1}{4}$ miles west	Gulf Production Company	F.C.Ingham	1936	f/2,639	343		P
W-61.	7 $\frac{1}{2}$ miles northwest	Gulf Production Company	R.E.Griggs	1936	f/2,665	300	8 $\frac{1}{2}$	P
W-62.	8 miles northwest	Gulf Production Company		1933	f/2,686	160	5 $\frac{1}{4}$	P
W-66.	3 $\frac{3}{4}$ miles northwest	John Sealyestate		old	g/2,640	57	7	W
W-67.	3 $\frac{1}{2}$ miles west	Texas-New Mexico Pipeline Co.		1937		86	6 $\frac{1}{2}$	P
W-68.	3 $\frac{1}{2}$ miles west	John Sealyestate	Continental Oil Co.	1929	g/2,610	3,358		
W-69.	1 $\frac{3}{4}$ miles west	Texas-New Mexico Pipeline Co.		1937		95	6 $\frac{1}{2}$	
W-70.	In Monahans	City of Monahans	J.J.Harrell	1939		130	8 $\frac{1}{4}$	P
W-71.	In Monahans	Texas & Pacific Railway Company	L.F.Buchanan	1937		222	12	P
W-72.	In Monahans	Texas & Pacific Railway Company	T.E.Shutt	1928		200	10	
W-73.	In Monahans	Texas & Pacific Railway Company	T.E.Shutt	1928		240	10	
W-74.	In Monahans	Texas & Pacific Railway Company	T.E.Shutt	1928		215	10	
W-75.	In Monahans	City of Monahans	C.E.Bouse	1930		120	10	P
W-76.	In Monahans	Chauncy				35		H
W-77.	In Monahans	City of Monahans	Thomas and Hogg	1938		120	10	P
W-78.	In Monahans	Jim Williams	A.H.Seals	1940		94	6	P
W-79.	In Monahans	J.W.Thrasher	A.H.Seals	1940		90	6	P
W-85.	3 $\frac{1}{2}$ miles northeast	Jennie Smith	Rector Oil Co. Inc.	1931	f/2,722	3,602		
W-86.	5 $\frac{1}{2}$ miles east	Texas & Pacific Railway Company		old	2,707	72		W
W-87.	8 miles northeast	T.B.Yarbrough		1930		81	6	W

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet) b/	Date of measurement		
W-53.	--	--	--	--	Oil test; no production. See log.
W-54.	--	--	--	PS Ind	Well serves 20 meters in Wickett.
W-55.	Triassic sand	--	--	PS Ind	One of 8 wells that supply 175 families at Gulf Camp. See log.
W-56.	Triassic sand?	--	--	Ind	Pump test in 1937; estimated production 600 barrels in 24 hours.
W-57.	Triassic sand?	118.6	May 3, 1940	S	
W-58.	Triassic sand and conglomerate	--	--	Ind	February 1939, estimated production was 20 barrels an hour.
W-59.	--	--	--	S	
W-60.	Triassic sand	--	--	Ind	Production in 1936 estimated 1,000 barrels a day. See log.
W-61.	Triassic sand?	--	--	Ind	In 1936 pumped 935 barrels in 24-hour test.
W-62.	--	--	--	Ind	Perforated casing from 95 to 138 feet, blank pipe from 138 to 158 feet; pump set at 110 feet
W-66.	Alluvium?	38.6	May 16, 1940	S	Meas- ured 6 gallons a minute with 1.2 feet drawdown.
W-67.	Triassic sand and gravel	36.0	--	Ind	See log.
W-68.	--	--	--	--	Oil test; no production.
W-69.	Triassic sand and gravel	50.0	--	D,S	See log.
W-70.	Triassic sand	40.0	Rept.	PS	City well No. 9. See log.
W-71.	Triassic sand	50.0	Rept.	RR	Company well No. 4. Tested 30 gallons a minute for 4 hours with
W-72.	Triassic sand	--	--	RR	Company well No. 5. 50-foot drawdown.
W-73.	Triassic sand	--	--	N	Company well No. 1. Abandoned. See log.
W-74.	Triassic sand	--	--	N	Company well No. 2. Abandoned.
W-75.	Triassic sand	45.0	Rept.	PS	City well No. 1. Reported yield 32 gallons a minute. See log.
W-76.	Alluvium	33.8	Mar. 22, 1940	D,S	Dug well.
W-77.	Triassic sand	40.	Rept.	PS	City well No. 8. Three other city wells in this area.
W-78.	Triassic sand	45.	Rept.	D,I	Casing cemented at 78 feet; remainder of hole is not cased.
W-79.	Triassic sand	45.	Rept.	D,I	Located about 400 feet from W-78 and casing record is similar.
W-85.	--	--	--	--	Oil test; no production.
W-86.	Alluvium?	44.6	May 16, 1940	D,S	Pumps fine sand occasionally. Recovered 1.3 feet after pump shut-
W-87.	--	60.3	Mar. 22, 1940	S	oil 1/2 hour.

See footnotes at end of table.

No.	Distance from Monahans	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well	Diameter of well (inches)	Method of a/
W-88.	3 $\frac{1}{2}$ miles southeast	Hutchings Stock Association	Gulf Production Company	1926	f/2,609	4,787		
W-89.	7 $\frac{1}{2}$ miles southeast	E.J.Marsten	Chesapeak Oil Company	1926	f/2,536	3,701		
W-90.	6 miles south	W.A.Estes						W
W-91.	8 $\frac{3}{4}$ miles south	F.G.Smith		old		90		W
W-95.	8 $\frac{1}{2}$ miles south	Gulf Production Company	J.R.Marshall	1936	f/2,608	167	12 $\frac{1}{2}$	J
W-96.	9 miles southwest	Gulf Production Company	S.C.Ingham	1937	f/2,599	172	8 $\frac{1}{2}$	M
W-97.	8 $\frac{1}{4}$ miles southwest	Gulf Production Company	S.C.Ingham	1937	f/2,609	175	8 $\frac{1}{2}$	P
W-98.	8 miles southwest	The Texas Co.			g/2,605	160	8	P
W-99.	8 $\frac{1}{4}$ miles southwest	Texas University		old	g/2,605	86		W
W-100.	7 $\frac{1}{2}$ miles southwest	Cabot Carbon Co.	O.C.Reynolds	1937	g/2,625	260	12 $\frac{1}{2}$	P
W-101.	7 $\frac{1}{2}$ miles southwest	Cabot Carbon Co.	O.C.Reynolds	1937	g/2,625	265	12 $\frac{1}{2}$	P
W-102.	7 miles southwest	Standard-Atlantic		1936				W
W-103.	5 $\frac{3}{4}$ miles southwest	Hutchings Stock Association						W
W-104.	5 $\frac{3}{4}$ miles southwest	Gulf Production Company	John Bush	1929	f/2,655	300	8 $\frac{1}{4}$	P
W-105.	6 $\frac{1}{2}$ miles southwest	Gulf Production Company	S.C.Ingham	1927	f/2,668	407	8 $\frac{1}{2}$	P
W-106.	6 $\frac{1}{2}$ miles west	Pearce Service Station	A. Redmon	1940	g/2,660	166	7	W

No.	Distance from Pyote	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of a/
W-107.	5 miles east	Texas Hwy. Dept.			g/2,645	163	5	W
W-108.	5 $\frac{1}{2}$ miles east	Texas University	Jim Miles	1939	g/2,635	186	7	W
W-109.	3 $\frac{1}{2}$ miles east	Southern Union Utilities Co.			g/2,615	187	8	N
W-110.	3 $\frac{1}{2}$ miles east	Southern Union Utilities Co.			g/2,615			P
W-111.	3 $\frac{1}{2}$ miles east.	Southern Union Utilities Co.	Tom Simmonds	1928	g/2,615	195	8	P
W-112.	3 $\frac{1}{2}$ miles east	Texas University	Jim Miles	1940	g/2,610			W
W-113.	5 miles east	Jim Thornton		old	2,590.7	108	6	W

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet) b/	Date of measurement		
W- 88.	--	--	--	--	Oil test. No production.
W- 89.	--	--	--	--	Oil test.
W- 90.	--	--	--	D,S	
W- 91.	--	--	--	S	Reported weak supply.
W- 95.	--	75.	Rept.	Ind	Lower 7 feet of hole gravel-treated to keep out quicksand. See log.
W- 96.	Sand and gravel	90.	Rept.	N	Formerly equipped with 4-inch, 9-stage turbine pump set at 155 feet.
W- 97.	Sand	95.8	May 17, 1940	Ind	Four-inch, 9-stage turbine pump set at 160 feet. See log.
W- 98.	--	--	--	D,S	
W- 99.	--	65.7	May 29, 1940	D,S	In large shallow sink.
W-100.	Sand and gravel	160.	Rept.	Ind	Used for boilers and cooling tower. Company well No. 2. See log.
W-101.	Sand and gravel	160.	Rept.	D,Ind	Company No. 1, 150 feet from W-100.
W-102.	--	--	--	D,S	Supplies Standard-Atlantic Oil Company lease house.
W-103.	--	--	--	D,S	
W-104.	Triassic sandstone?	--	--	Ind	Supplied 500 barrels daily in Oct. 1937 for drilling rigs in oil field.
W-105.	Triassic sandstone?	144.6	May 17, 1940	Ind	Four-inch turbine pump set at 276 feet. See log.
W-106.	--	--	--	D,S	Cased with 166 feet of steel casing; lower 18 feet perforated.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet) b/	Date of measurement		
W-107.	--	104.3	Feb. 23, 1940	PS,I	
W-108.	--	100.	Rept.	S	186 feet of steel casing; lower part perforated.
W-109.	--	78.5	Nov. 16, 1939	N	Located 200 feet east of dug well.
W-110.	--	79	Rept.	PS	Six-inch, 6-stage turbine pump powered with 10 H.P. electric motor.
W-111.	--	79.	Rept.	PS	Ten H.P. Public supply for Pyote turbine pump. Public supply for
W-112.	--	82.8	Oct. 4, 1940	S	Well was gravel-treated because of quicksand. Pyote.
W-113.	--	59.6	May 29, 1940	S	Pumping intermittently when measured.

See footnotes at end of table.

No.	Distance from Pyote	Owner or Name	Driller	Date completed	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Location of well
W-114.	5 <sup>3</sup> / <sub>4</sub> miles east	Texas University	Hershback Drilling Co.	1938	f/2,619	240	6 <sup>1</sup> / <sub>4</sub>	N
W-115.	4 <sup>3</sup> / <sub>4</sub> miles southeast	Jim Thornton	J. Miles	1939	2,606.4	127	6	W
W-116.	4 <sup>1</sup> / <sub>2</sub> miles southeast	Jim Thornton			2,588.4	106	6	W
W-118.	7 miles southeast	J.H.Hughes	Superior Oil Co.				6	N
W-119.	9 <sup>1</sup> / <sub>2</sub> miles southeast	Hill & Hill	Southern Crude Oil Purchasing Co.	1930	f/2,613	2,970		
W-120.	10 <sup>1</sup> / <sub>2</sub> miles southeast	Skelly Oil Co. et al	Hargraves	1936	2,593.0	100	6	N
W-121.	9 miles southeast	J.E.Cooper		1935	2,548.0	52		N
W-122.	8 miles southeast	W.W.McDonald		old	2,551.5	66		W
W-123.	6 <sup>1</sup> / <sub>2</sub> miles south	A.L.Herring	Bert Everts	1939	g/2,545	131	6 <sup>1</sup> / <sub>2</sub>	W
W-124.	5 <sup>3</sup> / <sub>4</sub> miles south	A.L.Herring	J. Miles	1939	g/2,590	95	8	W
W-125.	6 miles south	A.L.Herring		1907	g/2,590	90	6	W
W-126.	6 <sup>3</sup> / <sub>4</sub> miles south	J.Henson		old	g/2,610	82		W
W-127.	5 <sup>1</sup> / <sub>4</sub> miles south	A.L.Herring		old		85		N
W-128.	6 miles southwest	W.F.Perrin		old	g/2,660	97	6	N
W-129.	4 <sup>3</sup> / <sub>4</sub> miles southwest	J.C.Averyestate	Tom Simmonds	1938	g/2,675	157	5	P
W-130.	4 <sup>1</sup> / <sub>2</sub> miles southwest	F.M.Jeffers		old	g/2,605	87	6	N
W-131.	2 <sup>1</sup> / <sub>2</sub> miles south	Texas University		1932	g/2,600	86	7	W
W-132.	3/4 miles west	Texas & Pacific Railway Company	L.F.Buchanan			160	6	W
W-133.	In Pyote	John McNeff		old	2,623.9	106	5	H
W-134.	2 <sup>1</sup> / <sub>4</sub> miles west	Texas University		1930	g/2,630	118	7	W
W-135.	4 <sup>1</sup> / <sub>4</sub> miles west	J.C.Averyestate		old				N
W-136.	5 <sup>1</sup> / <sub>4</sub> miles west	Texas University		old	2,661.7	135	4 <sup>1</sup> / <sub>2</sub>	W
W-137.	5 <sup>1</sup> / <sub>4</sub> miles west	Texas University		old	2,621.8	135	5	W
W-138.	6 <sup>3</sup> / <sub>4</sub> miles west	C.A.Martin		old	g/2,648			W
W-139.	7 <sup>1</sup> / <sub>2</sub> miles west	Bird Hayes	Kenneth Slack	1940	g/2,710	5,047		
W-140.	8 <sup>1</sup> / <sub>4</sub> miles west	Pat Wilson	Kanneth Slack	1941	g/2,665			

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)b/	Date of measurement		
W-114.	Alluvial sand?	79.7	Nov. 15, 1939	N	Furnished water to drill oil test. See log.
W-115.	Alluvial sand?	78.3	June 20, 1940	D,S	Has pumped 18 gallons a minute.
W-116.	--	47.5	Sept. 28, 1939	S	Pumping intermittently when measured.
W-118.	--	--	--	N	Furnished water to drill oil test. Obstructed at 44 feet.
W-119.	--	--	--	--	Oil test; no production.
W-120.	--	94.4	Mar. 15, 1940	N	Furnished water to drill oil test. Was gravel-treated because of quick-
W-121.	--	47.3	Oct. 10, 1939	N	Furnished water to drill sand. oil test. Obstructed at 52 feet.
W-122.	--	58.8	Oct. 10, 1939	S	
W-123.	--	38.7	Nov. 14, 1939	S	Well is gravel-treated.
W-124.	--	76.0	Nov. 20, 1939	S	Located 200 feet east of ranch house.
W-125.	--	77.7	Nov. 20, 1939	S	Located at ranch house.
W-126.	--	72.0	Nov. 20, 1939	S	
W-127.	Triassic sandstone?	--	--	N	Reported abandoned because of poor quality water. Slush shows fragments
W-128.	--	90.8	Sept. 28, 1939	N	of Triassic rocks.
W-129.	Alluvium?	137.4	Sept. 28, 1939	S	Cased to bottom because of quick-sand. Water is reported of good
W-130.	--	63.4	Sept. 28, 1939	N	Pioneer watering place. quality. Water is reported of good quality.
W-131.	--	62.5	Sept. 28, 1939	S	
W-132.	--	85.	Rept.	S	At stock loading pens.
W-133.	--	77.7	Feb. 23, 1940	S,I	
W-134.	--	100.0	Aug. 15, 1940	S	Water level while pumping about 5 gallons a minute.
W-135.	--	--	--	N	Well is caved in.
W-136.	--	--	--	S	
W-137.	--	65.8	July 12, 1940	S	Located about 50 feet west of W-136.
W-138.	--	--	--	N	Obstructed at 12 feet. Reported weak supply.
W-139.	--	--	--	--	Oil test. Commercial gas well.
W-140.	--	--	--	--	Drilling January 1941. Water in sand at 180 to 200 feet. Water at 965 to 971 feet.

See footnotes at end of table.

No.	Distance from Barstow	Owner or Name	Driller	Date completed	Altitude above sea level (feet)	Depth of Well (feet)	Diag. of Well (inches)	Method of Lifting
W-141.	9½ miles east	Texas & Pacific Railway Company		old	2,639.5	82		N
W-142.	9¾ miles east	Pat Wilson		1905	2,661.7	154	8	W
W-143.	10 miles east	Pat Wilson	C.H.Mahres	1937	2,662.0	5,087		
W-144.	10½ miles east	Texas & Pacific Railway Company	W. P. Geaslin	1928	2,664.5	200	10	P
W-145.	10½ miles east	Texas & Pacific Railway Company	W. P. Geaslin	1928		249	8	P
W-146.	10½ miles east	Texas & Pacific Railway Company	Company force	1924		224	8	N
W-147.	10½ miles east	J.C.Avery estate		1900		150		W
W-148.	9¾ miles east	T.N.Carr, et al	J.E.Fitzpatrick et al	1938	e/2,637	5,208		N
W-149.	8½ miles east	E. Vickers			g/2,605	300	20	N
W-150.	8¼ miles east	K.L.Dyer	J.E.Fitzpatrick et al	1938	f/2,709	5,144		N
W-151.	6¾ miles northeast	Pat Wilson		1939	g/2,735	161	4½	W
W-152.	7 miles northeast	T.L.Redman	Tex-Oil Production Company	1930	f/2,725			
W-153.	6½ miles northeast	Pat Wilson	Tom Simmonds	1938	g/2,695	220	8	W
W-154.	4¾ miles northeast	J.J.McGregor	Byrd-Frost Incorporated	1934	f/2,763	5,155		
W-155.	4¾ miles northeast	J.J.McGregor		1934	g/2,765	235	8	N
W-156.	5 miles northeast	Pat Wilson		old	g/2,690	232	7	W
W-157.	4½ miles east	Town of Barstow		1930	2,655.0	117	6	P
W-158.	3¼ miles east	J. Key	Tom Simmonds		2,652.9	117	10	P
W-159.	3¼ miles east	J. Key	Tom Simmonds	1935	2,654.9	107	10	P
W-160.	2¼ miles east	Monroe estate	Tom Simmonds	1930		82	6	N
W-161.	3¾ miles northeast	Pat Wilson		old	2,721.9	171	7	W
W-162.	1¾ miles north	C.B.Dodson		1930	2,572.0	13		W
W-163.	4¼ miles north	Loop Land and Irrigation Co.	Dominion Oil Co. Arthur Pitts		f/2,570	1,977		
W-164.	5¾ miles north	Monroe estate			2,557.9			N
W-165.	5¾ miles north	L. Gibbs			2,576.0			N
W-166.	4½ miles north	Monroe estate		1930	f/2,597			N
W-167.	4½ miles north	Monroe estate		1930	f/2,597	73	6	W

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)b/	Date of measurement		
W-141.	Triassic sandstone	63.0	Sept. 26, 1939	N	
W-142.	Triassic sandstone	99.5	Sept. 26, 1939	D,S	At ranch house.
W-143.	--	--	--	--	Oil test. See log.
W-144.	Triassic sandstone	100.	Rept.	RR	Company well No. 3. Yield 30 gallons a minute.
W-145.	Triassic sandstone	--	--	RR	Company well No. 4. See log.
W-146.	Triassic sandstone	96.	Rept.	N	Produced 25 gallons a minute. Abandoned.
W-147.	Triassic sandstone	--	--	D,S	At Avery ranch house.
W-148.	--	71.0	Oct. 5, 1940	N	Oil test. No production. Plugged at about 200 feet.
W-149.	--	45.4	Nov. 18, 1939	N	Oil test. Abandoned at 300 feet.
W-150.	--	73.3	Sept. 26, 1939	N	Oil test, had oil show and 1 million cubic feet of gas.
W-151.	Triassic sandstone	98.1	Sept. 26, 1939	S	Driller bailed 50 gallons a minute without exhausting well.
W-152.	--	--	--	--	Oil test.
W-153.	Triassic sandstone	108.7	Sept. 26, 1939	S	Owner reported water at 210 feet, which rose to 105 feet.
W-154.	--	--	--	--	Oil test. See log.
W-155.	Triassic sandstone	205.3	Oct. 8, 1940	N	Furnished water to drill oil test.
W-156.	Triassic sandstone	116.1	Oct. 8, 1940	S	Called "Old Rock House" well.
W-157.	Triassic sandstone	95.7	Aug. 9, 1940	PS	Turbine pump. Reported yield 70 gallons a minute.
W-158.	Triassic sandstone	94.3	Sept. 26, 1939	I	The north well of two wells pumped by cross beam.
W-159.	Triassic sandstone	96.0	Sept. 26, 1939	N	Located west of W-158.
W-160.	--	--	--	N	Abandoned. Owner reported that at 82 feet very salty water was encountered.
W-161.	Triassic sandstone	162.1	Sept. 26, 1939	S	Cased with 168 feet steel casing; lower joint perforated.
W-162.	Alluvium	5.5	Oct. 20, 1939	N	Dug well.
W-163.	--	--	--	--	Oil test. No production.
W-164.	Alluvium	--	--	S	Spring located at north end of Soda Lake.
W-165.	Alluvium	--	--	S	Spring.
W-166.	--	--	--	N	Oil test. No production. Reported water sand found in upper part of well.
W-167.	Alluvium	16.0	Oct. 23, 1939	S	

See footnotes at end of table.



No.	Distance from Barstow	Owner or Name	Driller	Date completed	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of lift
W-168.	3 <sup>3</sup> / <sub>4</sub> miles northwest	Monroe estate			e/2,590	23		H
W-169.	3 <sup>1</sup> / <sub>2</sub> miles northwest	W.A.Sewell		old	e/2,578	10		H
W-170.	4 <sup>3</sup> / <sub>4</sub> miles northwest	C.S.Majors	L.F.Buchanan		2,598.1	115	6	W
W-171.	5 <sup>1</sup> / <sub>2</sub> miles northwest	L.C.Patrick			h/2,597	37	5	P
W-172.	5 <sup>3</sup> / <sub>4</sub> miles northwest	W.H.Butler	W.H.Butler			12		H
W-173.	6 miles northwest	W.H.Butler		1911	2,598.3	78	26	N
W-174.	6 miles northwest	Cedarvale Irrigation District	L.F.Buchanan	1940		115	15 <sup>1</sup> / <sub>2</sub>	P
W-175.	6 <sup>1</sup> / <sub>2</sub> miles northwest	J.W.Dresser	McMann	1912				N
W-176.	7 miles northwest	J.M.Foreman			2,604.1	9		N
W-177.	7 <sup>1</sup> / <sub>2</sub> miles northwest	Monroe estate	Hopper	1926		75	5 <sup>1</sup> / <sub>2</sub>	H
W-178.	7 <sup>1</sup> / <sub>2</sub> miles northwest	Monroe estate	Hopper	1926		125	5 <sup>1</sup> / <sub>2</sub>	N
W-179.	7 <sup>3</sup> / <sub>4</sub> miles northwest	Monroe estate	Simmonds	old		150		N
W-180.	8 miles northwest	Monroe estate	Hopper	1926		270		N
W-181.	7 <sup>1</sup> / <sub>2</sub> miles northwest	Monroe estate	Hopper	1926	2,611.2	140	17	N
W-182.	7 <sup>1</sup> / <sub>2</sub> miles northwest	C.C.Brown			2,609.8	54	4 <sup>1</sup> / <sub>2</sub>	W
W-183.	6 <sup>3</sup> / <sub>4</sub> miles northwest	J.G.Haulding	Tom Simmonds	Jan. 1940		30	5	P
W-184.	6 <sup>1</sup> / <sub>2</sub> miles northwest	T.L.Patrick	San Biggs	1910		600		N
W-185.	6 <sup>1</sup> / <sub>2</sub> miles northwest	J.G.Haulding				24		P
W-186.	6 <sup>1</sup> / <sub>2</sub> miles northwest	Edwards & Hidden		1910		165		N
W-187.	6 miles northwest	Tom Jensen	L.F.Buchanan	1940		50	6	W
W-188.	5 miles northwest	A.H.Gillespie		1908		103		N
W-189.	5 miles northwest	A.H.Gillespie		old		100	10	N
W-190.	5 miles northwest	A.H.Gillespie		1908		100		N
W-191.	4 miles northwest	A.H.Gillespie			2,588.1	80		P
W-192.	3 <sup>1</sup> / <sub>2</sub> miles northwest	Ward County W.I. District No.1		1929		43	20	P
W-193.	4 <sup>1</sup> / <sub>2</sub> miles west	Moule and Barker	McMann	1932	2,579.6	48	6	W
W-194.	4 <sup>1</sup> / <sub>2</sub> miles west	Delmore Corporation		1929				N

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)h/	Date of measurement		
W-138.	Alluvium	20.4	Oct. 23, 1939	S	Dug well, at abandoned oil test.
W-139.	Alluvium	6.0	Aug. 29, 1939	S	Dug well.
W-170.	Alluvium	8.0	Feb. 5, 1940	S	
W-171.	Alluvium	5.5	Aug. 29, 1939	S	
W-172.	Alluvium	5.0	Sept. 19, 1939	S	
W-173.	Alluvium	4.1	Sept. 19, 1939	N	Equipped with 6-inch pump; had draw-down of 15 feet. Irrigated 30 acres
W-174.	Alluvium	--	--	I	Equipped with No. 14 turbine pump one season. Turbine pump powered with 40 H.P.
W-175.	Alluvium	--	--	N	Formerly electric motor. See log. small irrigation well. Abandoned.
W-176.	Alluvium	6.7	Aug. 29, 1939	N	Dug well.
W-177.	--	--	--	N	Abandoned. Insufficient water for irrigation purposes.
W-178.	--	--	--	N	Abandoned. By bailer test well would yield 500 gallons a minute.
W-179.	--	--	--	--	Abandoned. Weak supply.
W-180.	--	--	--	N	Struck only small seep of water.
W-181.	Alluvium	9.0	Aug. 29, 1939	N	Test well for irrigation. Driller reports would yield only 200 gallons a minute.
W-182.	Alluvium	7.9	Sept. 19, 1939	S	
W-183.	Alluvium	12.2	Feb. 1, 1940	S	
W-184.	--	--	--	N	Drilled for irrigation well. Abandoned.
W-185.	Alluvium	10.6	Oct. 19, 1939	S	Dug and drilled; original depth 80 feet.
W-186.	--	--	--	N	Flowing water at 140 feet. Not sufficient for irrigation.
W-187.	Alluvium	--	--	S	50 feet of casing; lower 10 feet perforated.
W-188.	Alluvium	--	--	N	Formerly irrigation well.
W-189.	Alluvium	4.5	Sept. 19, 1940	N	This well and No. W-188 formerly pumped together for irrigation.
W-190.	Alluvium	5.0	Aug. 31, 1939	N	Irrigation well; not used last three years.
W-191.	Alluvium	6.0	Sept. 19, 1939	I	12-inch turbine pump set at 20 feet.
W-192.	Alluvium	4.2	Aug. 29, 1939	I	12-inch turbine pump.
W-193.	Alluvium	7.9	Aug. 31, 1937	S	
W-194.	Alluvium	--	--	N	Formerly irrigation well 70 feet deep. Abandoned because of caving.

See footnotes at end of table.

No.	Distance from Barstow	Owner or Name	Driller	Date completed	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of art.
W-195.	5 miles west	Delmore Corporation		1900	2,574.6	400	6	W
W-196.	2½ miles northwest	P.O.Dinwiddie		old		60	6	W
W-197.	2½ miles northwest	B.Buckley		1934	2,581.7	50	6	W
W-198.	2½ miles northwest	Henry Russell	L.F.Buchanan	1940	2,583.0	80	10	P
W-198A.	2½ miles northwest	Henry Russell				54	5	W
W-199.	2¼ miles northwest	Bird S.Hayes		1939		60	6	W
W-200.	2 miles northwest	L.E.Shisler	Grogan	old		115	24	P
W-201.	1¾ miles northwest	P.A.Black	Simmonds	1935	2,578.9	33	6	W
W-202.	2 miles west	A.R.Alves	Clyde Simmonds	old		100		N
W-203.	1½ miles west	J.H.Miller	Simmonds Bros.	1928	2,570.5	115	8	P
W-204.	1½ miles west	J.H.Miller		1930		12		H
W-205.	1 mile west	George Briggs	Simmonds Bros.	1927	2,569.8	85	9½	N
W-206.	1¼ miles north	W.G.Burkholder				43	9	N
W-207.	1 mile north	J.W.Green	Tom Simmonds	1932		100		P
W-208.	1 mile east	L.G.Farnum	Jim Miles	1930	2,571.6	72		P
W-209.	1½ mile east	Young Bell	L.F.Buchanan	1940	2,572.8	85	6	W
W-210.	1¼ miles east	Young Bell	L.F.Buchanan	1940		110	12½	P
W-211.	1 mile east	W.H.Nichols	Jim Miles	1930	2,574.4	52	10	N
W-212.	1 mile east	Pat Wilson	Jim Miles	1940		80		W
W-213.	In Barstow	Town of Barstow	Commonwealth	1908	<u>g</u> /2,567	1,100	8	N
W-214.	2¾ miles southwest	W.A.Worsham		1930		70		N
W-215.	1 mile south	W.N.Yates				33	6	W
W-216.	1¼ miles southeast	W.D.Black	E.K.Taylor	1928		80	8	P
W-217.	2¼ miles southeast	Charles Nichols		1930	2,560.3	13		N
W-218.	2¼ miles east	Charles Nichols	Simmonds	1936		38	6	W
W-219.	2½ miles east	Charley Miller			2,575.5		7	W
W-220.	3½ miles east	Miller Bros.			2,558.4	21	8	N

See footnotes at end of table

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet) b/	Date of measurement		
W-195.	--	2.3	Aug. 31, 1939	S	Reported flowed several years ago.
W-196.	Alluvium	9.9	Mar. 9, 1940	S	
W-197.	Alluvium	11.3	Mar. 9, 1940	S	
W-198.	Alluvium	13.2	Feb. 28, 1940	I	No. 10 turbine pump with 15 H.P. electric motor. See log.
W-198A	Alluvium	12.9	Mar. 9, 1940	S	Steel casing to bottom; open end, no perforations.
W-199.	Alluvium	11.7	Mar. 9, 1940	S	
W-200.	Alluvium	11.1	Aug. 29, 1939	I	No. 12 turbine pump with 20 H.P. electric motor.
W-201.	Alluvium	9.7	Aug. 29, 1939	S	Dug to 15 feet.
W-202.	Alluvium	7.3	Aug. 30, 1939	I	Not used for several years. Formerly irrigated 80 acres.
W-203.	Alluvium	8.0	Rept.	I	Pit 8 feet deep, six-inch centrifugal pump with 15 H.P. electric motor.
W-204.	Alluvium	--	--	N	Abandoned.
W-205.	Alluvium	6.5	Aug. 30, 1939	N	Formerly irrigation well.
W-206.	Alluvium	6.7	Aug. 29, 1939	N	Formerly irrigation well. Dug pit 8 feet.
W-207.	Alluvium	--	--	I	Not pumped for several years. See log.
W-208.	Alluvium	--	--	I	Equipped with centrifugal pump and natural gas engine.
W-209.	Alluvium	15.4	Apr. 2, 1940	S	Test for irrigation well.
W-210.	Alluvium	14.9	May 20, 1940	I	50 feet from test well. Equipped with turbine pump and 15 H.P. electric motor. See log.
W-211.	Alluvium	8.3	Oct. 20, 1940	I	Equipped with centrifugal pump and automobile engine.
W-212.	Alluvium	--	--	S	
W-213.	--	--	--	N	Test well drilled for water supply for Barstow. Abandoned. See log.
W-214.	Alluvium	--	--	N	Unsuccessful as irrigation well.
W-215.	Alluvium	8.9	Oct. 31, 1939	S	
W-216.	Alluvium	10.8	Aug. 30, 1939	I	Equipped with 4-inch centrifugal pump and automobile engine.
W-217.	Alluvium	11.1	Aug. 30, 1939	N	Dug well.
W-218.	Alluvium	13.8	Aug. 30, 1939	S	
W-219.	Alluvium	24.1	June 21, 1940	S	
W-220.	Alluvium	13.2	Aug. 30, 1939	N	Located on bank of Rock Quarry Draw.

See footnotes at end of table.

No.	Distance from Earstow	Owner or Name	Driller	Date completed	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of lift
W-221.	4 $\frac{1}{2}$ miles southeast	L.M.Watson			2,558.4	17		H
W-222.	4 $\frac{1}{4}$ miles east	L.M.Watson	B.W.Helm	1939	2,566.7	15		H
W-223.	5 $\frac{1}{4}$ miles southeast	E.A.Leffingwell		old		40		N
W-230.	8 $\frac{3}{4}$ miles east	L.H.Madden Trust	Arthur Pitts	1923	f/2,550	4,670		F

No.	Distance from Pyote	Owner or Name	Driller	Date completed	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of lift
W-231.	11 $\frac{1}{4}$ miles southwest	B. Davis	Redmon	1940	e/2,562	103	5 $\frac{1}{2}$	N
W-232.	8 $\frac{1}{2}$ miles southwest	Helen P. Belo	Jim Miles	1939		150	12	W
W-233.	8 $\frac{1}{4}$ miles south	Mary L. Cone		1928		220		
W-234.	8 $\frac{1}{4}$ miles south	Mary L. Cone	Bert Everts	1938		367		
W-235.	8 $\frac{3}{4}$ miles south	Mary L. Cone		1908		100		W
W-236.	9 $\frac{1}{2}$ miles south	Mary L. Cone				50		H
W-237.	10 $\frac{1}{4}$ miles south	Mary L. Cone	R.F.Owen	1931	f/2,499	5,000		F
W-240.	9 $\frac{3}{4}$ miles south	J.L.Costley	Sunshine Oil Co.					F
W-241.	8 $\frac{1}{4}$ miles south	Briggs estate		1938				N
W-242.	8 miles south	C.M.Jackson	Bert Everts	1938		84	7	W
W-243.	7 $\frac{3}{4}$ miles south	C.M.Jackson				42	48	W

No.	Distance from Grandfalls	Owner or Name	Driller	Date completed	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of lift
W-244.	10 $\frac{3}{4}$ miles northwest	T.B.Keasler				34	60	W
W-246.	10 miles northwest	E.W.Thomas			2,554.3	127	.6	W
W-247.	10 miles northwest	E.W.Thomas	The California Company	1930	f/2,560	2,974		
W-248.	8 $\frac{3}{4}$ miles northwest	Wes-Tex Oil Co.	FHE Oil Company	1936		2,610		

\*See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/ /	Remarks
		Below land surface (feet)b/	Date of measurement		
W-221.	Alluvium	11.3	Aug. 30, 1939	S	Dug well.
W-222.	Alluvium	11.7	Aug. 30, 1939	S	Dug well.
W-223.	Alluvium	13.0	Dec. 12, 1939	N	
W-230.	--	--	--	N	Oil test, called "River Well". Flowed 0.46 second-foot, December 19, 1940.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/ /	Remarks
		Below land surface (feet)b/	Date of measurement		
W-231.	Triassic sandstone?	53.8	Oct. 5, 1940	N	
W-232.	Triassic sandstone	55.0	Rept.	D,S	Weak well.
W-233.	Triassic sandstone	--	--	S	Reported no water below 70 feet.
W-234.	Triassic sandstone	--	--	D,S	Below 70 feet drilled only red shale.
W-235.	Triassic sandstone	--	--	D,S	1 $\frac{3}{4}$ -inch pump exhausts well.
W-236.	--	--	--	--	
W-237.	Rustler limestone	--	--	S,I	Oil test. When drilled flowed 200 barrels water an hour. See log.
W-240.	Rustler limestone	--	--	S,I	Known as "Valley Well". Water reported from about 1,200-foot depth.
W-241.	Triassic "Red Beds"	--	--	N	Irrigates several acres alfalfa.
W-242.	--	55.0	Nov. 17, 1939	S	
W-243.	--	40.2	Nov. 17, 1939	S	Dug well.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/ /	Remarks
		Below land surface (feet)b/	Date of measurement		
W-244.	Alluvium?	31.6	Mar. 15, 1940	S	Dug well.
W-246.	Alluvium	68.0	Oct. 10, 1939	S	Furnished water to drill oil test.
W-247.	--	--	--	--	Oil test. See log.
W-248.	--	--	--	--	Oil test. No production.

See footnotes at end of table.

No.	Distance from Grandfalls	Owner or Name	Driller	Date completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of lift
W-249.	9 $\frac{1}{4}$ miles west	W.H.Lee	R.F.Owan		f/2,483	2,720		
W-250.	9 $\frac{1}{2}$ miles west	Murrey and Frame	Paul Dsburn	1940	g/2,482	176	6	W
W-251.	7 $\frac{3}{4}$ miles northwest	J. Miller	Atlantic Oil Producing Co.	1934	f/2,469	2,430		
W-252.	7 $\frac{1}{2}$ miles northwest	Monree estate	Sid Richardson	old	g/2,510	62	8	W
W-253.	7 miles northwest	John Miller		old		25		N
W-254.	6 miles northwest	John Miller		1922		28	48	W
W-255.	5 $\frac{3}{4}$ miles northwest	John Miller		1924		29	6	W
W-256.	6 miles northwest	John Miller		1924		100		N
W-257.	5 $\frac{3}{4}$ miles northwest	John Miller	S.Caprito	1936		2,600		W
W-258.	6 miles northwest	D. Olcott	Rio Bravo Oil Co.	1935				
W-259.	6 miles northwest	D. Olcott	Rio Bravo Oil Co.	1935		128	8	J
W-260.	5 $\frac{1}{2}$ miles northwest	D. Olcott	J. L. Gillette	1936		123	6	W
W-261.	5 $\frac{1}{2}$ miles northwest	D. Olcott	O. Copeland	1936		137	8 $\frac{1}{4}$	J
W-262.	4 $\frac{3}{4}$ miles northwest	D. Olcott	Rio Bravo Oil Co.			145	8 $\frac{1}{4}$	
W-263.	5 miles northwest	Grandfalls	Boyd Hopkins	1940		95	8 $\frac{1}{4}$	P
W-264.	5 miles northwest	W.W.McDonald	Cities Service Oil Co.	1937		85	7	W
W-265.	5 $\frac{1}{4}$ miles northwest	W.W.McDonald.	Cities Service Oil Co.			107	7	J
W-266.	4 $\frac{3}{4}$ miles northwest	W.W.McDonald	Cities Service Oil Company	1930		100	7	J
W-267.	4 $\frac{1}{2}$ miles northwest	W.W. McDonald		old		31	6	W
W-268.	4 miles northwest	W.M. Malone	Rowan Drilling Co.	1937	f/2,470	2,454		
W-269.	3 $\frac{1}{2}$ miles northwest	W.M.Malone	Rowan Drilling Co.	1937	f/2,462	200	7	P
W-270.	3 miles northwest	B.L.Agnew et al	Agnew et al	1936	f/2,461	170	6	P
W-271.	3 miles northwest	Town of Royalty				125		P
W-272.	4 $\frac{1}{2}$ miles northwest	O.E.Potts				100	6	N
W-273.	4 miles north	Atlantic Oil Producing Co.						W
W-274.	5 $\frac{1}{4}$ miles northwest	M.J.Barker	T. & P. Coal & Oil Company			128	7	J
W-275.	5 $\frac{1}{2}$ miles northwest	Henry James	Texas & Pacific Coal & Oil Co.			69	7	W

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)b/	Date of measurement		
W-249.	--	--	--	--	Oil test, no production.
W-250.	Alluvium	19.8	Mar. 25, 1940	S	Much fine quicksand. Cased to bottom, small perforations at 130 to
W-251.	--	--	--	--	Oil test. Initial production, 150 feet, 100 barrels.
W-252.	--	20.0	Apr. 2, 1940	D,S	Pipeline carries water one mile to oil company lease.
W-253.	Alluvium	--	--	N	Abandoned.
W-254.	Alluvium	19.3	Mar. 29, 1940	D,S	Dug well.
W-255.	Alluvium	20.1	Mar. 29, 1940	I	Irrigates garden.
W-256.	Alluvium	--	--	N	Abandoned because of caving fine sand.
W-257.	--	--	--	N	Oil test, no production.
W-258.	--	--	--	--	Oil test.
W-259.	--	--	--	Ind	Yields 40 to 45 gallons a minute. Used for drilling oil tests.
W-260.	Alluvium?	40.0	Rept.	D,S,I	Supplies Company lease camp. See log.
W-261.	Alluvium?	--	--	Ind	Cased to 137 feet; 40 feet perforated.
W-262.	--	--	--	Ind	Oil well No. 10.
W-263.	--	--	--	PS	Grandfalls water supply. 4-inch turbine pump powered with 25 H.P.
W-264.	--	47.0	Apr. 29, 1940	D,S	Located at natural gas engine. Cities Service Oil Company lease
W-265.	--	38.1	Apr. 29, 1940	N	Formerly supplied water to camp. drill oil test.
W-266.	--	32.9	Apr. 29, 1940	Ind	Water used for circulating, cooling and general lease use.
W-267.	--	9.2	June 6, 1940	D,S	
W-268.	--	--	--	--	Oil well. See log.
W-269.	--	15.3	Apr. 29, 1940	I,Ind	Supplies water for Amerada Company lease camp.
W-270.	--	15.0	Rept.	D,Ind	See log.
W-271.	--	--	--	P,S	Royalty water supply.
W-272.	--	46.5	May 1, 1940	D,S,I	Supplies Mid-Continent Oil Company lease camp.
W-273.	--	--	--	D,S	
W-274.	--	47.2	May 1, 1940	Ind	Water is jetted with natural gas for Company lease use.
W-275.	--	47.7	May 1, 1940	D,S	

See footnotes at end of table.



No.	Distance from Grandfalls	Owner or Name	Driller	Date completed	Altitude above sea Level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of lift
W-276.	6 miles northwest	W.A.Black				94	6	W
W-277.	6 miles northwest	W.A.Black				106	7	J
W-283.	8 $\frac{1}{2}$ miles northwest	Durgin Bros.				65		W
W-284.	6 $\frac{3}{4}$ miles northwest	E. Beatty				94	6	W
W-285.	7 miles north	J.V.Massey and J. P. Mitchell			f/2,536	105	6	
W-286.	6 $\frac{3}{4}$ miles north	J.D.Jones						W
W-287.	5 $\frac{1}{2}$ miles north	J.H.Conway	Mid-Continent Petroleum Corp.	1930	f/2,555	3,415		
W-288.	6 $\frac{3}{4}$ miles north	Ozark Chemical Co.	L. W. Pulley	1940		138	8	
W-289.	6 $\frac{1}{2}$ miles northeast	W.& J. Wristen			f/2,530	89	6	W
W-290.	6 miles northeast	Will Wristen			f/2,530	3,365		
W-291.	4 $\frac{1}{4}$ miles northeast	W.& J. Wristen				75	5	
W-292.	4 miles north	W.& J. Wristen				72	8	W
W-293.	3 $\frac{3}{4}$ miles north	S.S. Owens	S.C.Ingham	1936	f/2,521	110		
W-294.	2 $\frac{3}{4}$ miles north	S.S. Owens	P. Osburn			136		P
W-295.	2 $\frac{1}{2}$ miles north	S.S. Owens	E.D. Eaton	1940		146		
W-296.	3 $\frac{3}{4}$ miles northeast	W.& J. Wristen	Hines Water Well Co.			120		
W-300.	2 $\frac{1}{2}$ miles northwest	E.N. Clements	Grisham-Hunter Corp. & P. Hill	1936		2,340		
W-301.	In Grandfalls	Red Bluff Water Power Control D.		1937		58	8	P
W-302.	4 miles west	State River Bed	Tex-Mex.Petroleum Co.		f/2,434	2,187		
W-303.	1 $\frac{1}{2}$ miles west	Johnson	Gibson Bros. et al	1931	f/2,432	2,503		
W-304.	$\frac{1}{2}$ mile southwest	M.E.Snelson	Black & Hedrick		f/2,434	2,187		
W-305.	$\frac{1}{2}$ mile south	M.E.Snelson	Black & Hedrick		f/2,437	2,222		
W-306.	1 $\frac{1}{2}$ miles southeast	Stallings		1936		13		W
W-307.	1 $\frac{3}{4}$ miles southeast	C.C.Dorr	Talbot & Dittman	1929	f/2,430	2,623		
W-308.	2 $\frac{1}{2}$ miles south	J.J. Dorr	L.W. Pulley	1940		44		W
W-309.	2 $\frac{1}{2}$ miles southeast	J.S. Reynolds				14		N

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)b/	Date of measurement		
W-276.	--	60.1	May 1, 1940	D,S	Water level taken while windmill was pumping intermittently.
W-277.	--	61.4	May 1, 1940	Ind	Used to supply oil test drilling rigs.
W-283.	--	--	--	S	Pump set at 60 feet.
W-284.	--	66.9	May 1, 1940	D,S	Located on J. B. Kittrell Oil Company lease.
W-285.	--	52.4	May 1, 1940	N	250 feet east of unused gas well.
W-286.	--	--	--	D,S	
W-287.	--	--	--	--	Oil test, no production.
W-288.	--	--	--	Ind	Used for recovery of sodium sulphate. See log.
W-289.	--	80.5	Mar. 20, 1940	S	
W-290.	--	--	--	--	Oil test. No production.
W-291.	--	60	Rept.	S	
W-292.	Fine sand	65.9	Mar. 20, 1940	D,S	Fine sand 65 to 72 feet.
W-293.	--	67.	Rept.	Ind	Furnishes water for Gulf Production Company lease use.
W-294.	--	85.	Rept.	D,Ind	Furnishes water for Mid-States Oil Company lease use.
W-295.	--	--	--	N	Weak supply. See log.
W-296.	--	--	--	Ind	Used by Gulf Production Company for drilling oil test.
W-300.	--	--	--	--	Oil well.
W-301.	--	13.0	June 12, 1940	Ind	Four-inch, 4-stage turbine pump set at 50 feet. Used in cooling tower.
W-302.	--	--	--	--	Oil test.
W-303.	--	--	--	--	Oil test. See log.
W-304.	--	--	--	--	Oil well.
W-305.	--	--	--	--	Oil well.
W-306.	--	9.9	Mar. 5, 1940	S	Dug well.
W-307.	--	--	--	--	Oil test. Flowed salt water.
W-308.	Alluvial sand and gravel	11.	Rept.	S	See log.
W-309.	Alluvium	10.7	Feb. 2, 1940	N	Dug well.

See footnotes at end of table.

No.	Distance from Grandfalls	Owner or Name	Driller	Date completed	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of Well (inches)	Method of a/Lift
W-310.	4 miles southeast	J.E.Dorr				14		H
W-311.	4 <sup>3</sup> / <sub>4</sub> miles southeast	A. Carpenter				15		H
W-312.	4 <sup>3</sup> / <sub>4</sub> miles southeast	M.T.Eudaly			f/2,415	1,695	5	M
W-313.	4 <sup>3</sup> / <sub>4</sub> miles southeast	M.T.Eudaly				18		H
W-314.	3 <sup>1</sup> / <sub>4</sub> miles southeast	A.H.Dunlap		1938		13		H
W-315.	3 <sup>1</sup> / <sub>2</sub> miles southeast	A.H.Dunlap						H
W-316.	3 <sup>1</sup> / <sub>2</sub> miles south	B.H.Grube		1938	2,422.0	10		H
W-317.	4 miles southeast	Dean & Rigger			2,415.7	15		W
W-318.	5 miles southeast	L.T.Kessler	DeKoch & Lyman	1939		2,253		

FOOTNOTES

For Records of Wells in  
Ward County

- a/ N,-none. W,-windmill. F,-flowing. p,-power lift. H,-handlift. J,-water is jetted with natural gas.
- b/ Figures preceded with an asterisk (\*) represent water levels above land surface. All others are below land surface.
- c/ N,-unused. S,-stock. D,-domestic. I,-irrigation. PS,-public supply. RR,-railroad. A,-abandoned. Ind,-industrial.
- d/ Located in Winkler County.
- e/ Elevation by aneroid barometer.
- f/ Elevation from oil company well log.
- g/ Elevation from contour map.
- h/ Elevation from interpolation.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet) <sub>b/</sub>	Date of measurement		
W-310.	Alluvium	10.7	Feb. 2, 1940	N	Dug well.
W-311.	Alluvium	--	--	S	
W-312.	--	.6	--	S	Oil test. Flows about $\frac{1}{4}$ gallon a minute.
W-313.	Alluvium	15.2	Feb. 2, 1940	S	Dug well.
W-314.	Alluvium	8.6	Dec. 6, 1940	S	Dug well.
W-315.	Alluvium	7.0	May 5, 1940	S	Dug well.
W-316.	Alluvium	8.0	Aug. 29, 1940	S	Dug well.
W-317.	Alluvium	10.8	May 16, 1940	S	Dug well.
W-318.	--	--	--	--	Oil test.

Records of Wells in Loving County, Texas

(All wells are drilled unless otherwise noted under remarks)

No.	Distance from Mentone	Owner or Name	Driller	Date completed	Altitude above sea level (feet)	Depth of Well (feet)	Diameter (inch)	Direction of Flow
d/L-1.	28 $\frac{1}{2}$ miles northwest	U. S. Lands	W. L. Todd	1933		3,097		N
L-2.	26 $\frac{3}{4}$ miles northwest	H. H. Henderson et al	Lewis and Slagel Drilling Co. Inc.	1931	f/2,901	3,182		N
L-3.	26 $\frac{1}{4}$ miles northwest	W. D. Johnson	Lockhard and Co.	1926	f/2,890	3,525		N
L-4.	26 $\frac{1}{2}$ miles northwest	W. D. Johnson			f/2,890	134	4	W
L-5.	26 $\frac{1}{4}$ miles northwest	W. D. Johnson	R.P. Rankin and D.C. Evans	1938	f/2,904	3,414		F
L-6.	22 $\frac{1}{2}$ miles northwest	Red Bluff Water Power Control Dist.	Pennsylvania Drilling Company	1935	g/2,758	73		
L-7.	22 $\frac{1}{2}$ miles northwest	Red Bluff Water Power Control Dist.	Pennsylvania Drilling Company	1935	g/2,780	150		
L-8.	22 $\frac{1}{2}$ miles northwest	Red Bluff Water Power Control Dist.	Pennsylvania Drilling Company	1935	g/2,821	63		
L-9.	23 $\frac{1}{4}$ miles northwest	W.D. Johnson	Lockhart and Co.	1929	f/2,915	3,328		
L-10.	22 $\frac{3}{4}$ miles northwest	W.D. Johnson		old	g/2,950	160	6	W
L-11.	23 miles northwest	W.D. Johnson		old	g/2,952	149		W
L-12.	26 miles northwest	King		1938	f/3,091	200+	7	W
L-13.	22 miles northwest	W.D. Johnson		1938			6	N
L-14.	22 miles northwest	W.D. Johnson	Barnett Petroleum Company	1937	f/3,043	3,846		
L-15.	20 $\frac{1}{2}$ miles northwest	W.D. Johnson	Finley and Cherry	1937	f/2,972		5	P
L-16.	20 $\frac{1}{2}$ miles northwest	W.D. Johnson	Finley and Cherry	1937	f/2,972	3,963		
L-17.	20 $\frac{1}{4}$ miles northwest	W.D. Johnson		1930	g/2,910	143	6	W
L-18.	20 $\frac{1}{4}$ miles northwest	W.D. Johnson		old		145	6	W
L-19.	18 $\frac{1}{4}$ miles northwest	Zook and Sloan	Peek and Croft		g/2,905			
L-25.	15 miles northwest	S.M. Kyle			g/2,950	151	5	W
L-26.	18 miles northwest	S.M. Kyle			g/3,020	150	6	N
L-27.	18 miles northwest	S.M. Kyle				148	6	W
L-28.	17 $\frac{1}{2}$ miles north	T.P. Lands Trust		1890		123	6	W
L-29.	18 miles north	S.M. Kyle		1915		160	6	W
L-30.	18 $\frac{1}{4}$ miles northwest	M.K. Kyle	Michigan Gas and Oil Corporation	1935	f/3,001	4,015		
L-31.	19 $\frac{1}{2}$ miles northwest	T.P. Lands Trust	Woodley Petroleum Company	1937	f/3,054	3,964		
L-32.	19 $\frac{1}{2}$ miles northwest	M.K. Kyle	Stanolind Oil and Gas Company		f/3,066	3,984		

See footnotes at end of table.

## Records of Wells in Loving County, Texas

(All wells are drilled unless otherwise noted under remarks)

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)	Date of measurement		
L- 1.	--	82.3	Sept. 23, 1940	N	Large hole measured 175 feet deep. Four-inch casing in small hole is plugged.
L- 2.	--	--	--	N	Oil test.
L- 3.	--	--	--	N	Oil test. See log.
L- 4.	Rustler?	79.3	June 14, 1940	S	Located 15 feet from L-3.
L- 5.	Delaware Mountain	--	--	N	Oil test; produces small amount of oil and salt water.
L- 6.	--	--	--	--	Core hole No. 18, on center line of Red Bluff dam.
L- 7.	--	--	--	--	Core hole No. 26, near center line of Red Bluff Dam. See log.
L- 8.	--	--	--	--	Core hole No. 32, on center line of Red Bluff dam.
L- 9.	--	--	--	--	Oil test; no production.
L-10.	Red Beds	116.1	Sept. 23, 1940	S	The south well of two wells.
L-11.	Red Beds	115.1	Sept. 23, 1940	S	The north well of two wells.
L-12.	Red Beds	167.7	Apr. 24, 1940	S	Pumping about $\frac{1}{2}$ gallon a minute when measured.
L-13.	--	--	--	N	Obstructed at 140 feet. Supplied water to drill oil test.
L-14.	--	--	--	--	Oil test. No production.
L-15.	Red Beds	--	--	Ind	Supplies water to drill oil test.
L-16.	--	--	--	--	Oil test. No production.
L-17.	Red Beds	100.8	July 31, 1940	S	The north well of two wells.
L-18.	Red Beds	--	--	S	The south well of two wells.
L-19.	--	--	--	--	Oil test. Not completed January 1941.
L-25.	Alluvium	81.3	Sept. 12, 1940	S	Pumping intermittently.
L-26.	Alluvium	130.5	July 31, 1940	N	The southwest well of a group of four wells.
L-27.	Alluvium	136.8	July 31, 1940	D,S	Water level while pumping $1\frac{1}{2}$ gallons a minute.
L-28.	Alluvium	71.2	Sept. 20, 1940	S	
L-29.	Alluvium	126.7	Sept. 20, 1940	D,S	Water level while pumping 1 gallon a minute. Cased to 160 feet.
L-30.	--	--	--	--	Oil test. No production.
L-31.	--	--	--	--	Oil well. Initial production, 90 barrels a day.
L-32.	--	--	--	--	Oil test. No production.

See footnotes at end of table.

No.	Distance from Mentone	Owner or Name	Driller	Date completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of lift
L-33.	19 $\frac{1}{2}$ miles northwest	Michigan Gas and Oil Corporation		1937		300	7	P
L-34.	19 $\frac{1}{2}$ miles northwest	Michigan Gas and Oil Corporation		1937	f/3,080	239	6	N
L-35.	19 $\frac{3}{4}$ miles northwest	Michigan Gas and Oil Corporation				311	7	
L-36.	19 $\frac{3}{4}$ miles northwest	M.K.Kyle	Michigan Gas and Oil Corporation	1937	f/3,071	3,938		
L-37.	19 $\frac{1}{2}$ miles northwest	M.K.Kyle		old		188	6	W
L-38.	23 miles north	U.S.Lands		1935		280	8	W
L-39.	19 miles north	T.P.Lands Trust		1933		290	8	W
L-40.	18 $\frac{1}{2}$ miles north	T.P.Lands Trust	J.O.Cook	1940		300	8	N
L-41.	19 miles north	T.P.Lands Trust		old		125		N
L-42.	16 miles north	S.M.Kyle	J.O.Cook	1938		276	6	W
L-43.	14 miles north	S.M.Kyle	J.O.Cook	1939		186	6	N
L-44.	13 $\frac{3}{4}$ miles north	Rex Oil Company	Texas and Pacific Coal and Oil Co.	1934	f/3,064	4,574		
L-45.	17 $\frac{1}{2}$ miles north	J.E.Whiteside	Clyde Simmonds	1938		290		W
L-50.	19 $\frac{3}{4}$ miles northeast	Scarborough and Bond	Kingwood Oil Co.	1927	f/3,120	5,366		
L-51.	20 $\frac{1}{4}$ miles northeast	W.F.Scarborough				400		W
L-52.	20 miles northeast	W.F.Scarborough	Skelley and Llano		f/2,984	5,204		
L-53.	17 $\frac{1}{2}$ miles northeast	W.F.Scarborough		old		230		W
L-54.	15 $\frac{3}{4}$ miles northeast	Christy and Gill		old		300	5	W
L-55.	13 $\frac{1}{2}$ miles northeast	Cora H. Harkins				400		W
L-56.	15 $\frac{3}{4}$ miles east	E.E.Yantis		old		300		W
L-57.	13 $\frac{1}{2}$ miles east	J.E.Haley		1926		300	5	W
L-58.	13 $\frac{1}{4}$ miles east	J.E.Haley		old	g/2,910	300	5	W
L-59.	12 $\frac{1}{4}$ miles northeast	I.V.Brookfield		old		200+	5	W
L-60.	10 $\frac{1}{4}$ miles northeast	I.V.Brookfield						W
L-61.	12 $\frac{1}{2}$ miles northeast	Christy and Gill	R.E.Griggs	1939		285	10	W
L-62.	13 $\frac{1}{2}$ miles northeast	W.D.Johnson	Pinal Dome Corporation	1921	f/3,090	5,208		
L-63.	10 $\frac{1}{2}$ miles northeast	W.D.Johnson		old			4 $\frac{1}{2}$	W

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)	Date of measurement		
L-33.	--	--	--	D, Ind	Located at company lease camp. See log.
L-34.	--	176.8	Dec. 7, 1940	N	
L-35.	--	--	--	--	Cased to 271 feet; gravel packed, 275 to 311 feet.
L-36.	--	--	--	--	Oil well.
L-37.	--	154.0	Sept. 20, 1940	D, S	At Kyle ranch house.
L-38.	--	--	--	D, S	At Charlie Ross' ranch house.
L-39.	Red Beds	--	--	N	Hard, red sandstone and "Red Beds", 90 to 290 feet. Seep at 215 feet
L-40.	Alluvium	134.0	Sept. 20, 1940	N	Seep; will not supply windmill. water at 70 feet in sand; "Red
L-41.	--	--	--	N	Dug "Beds", 70 to 300 feet. See log. well. Abandoned.
L-42.	Red Beds	183.8	Sept. 20, 1940	S	"Red Beds", 150 to 280 feet.
L-43.	Alluvium?	167.3	Sept. 20, 1940	S	Water in quicksand will yield about 10 gallons a minute. Cased to 190
L-44.	--	--	--	--	feet, lower 20 feet perforated. test. See log.
L-45.	--	--	--	D, S	
L-50.	--	--	--	--	Oil test; no production.
L-51.	--	--	--	S	Four windmills in group. All wells reported to be over 400 feet deep.
L-52.	--	--	--	--	Oil test. Located on Loving-Winkler County line.
L-53.	--	--	--	D, S	Three wells in group at "Old Lehaman Place".
L-54.	--	200.	Rept.	D, S	
L-55.	--	310.	Rept.	S	Called "Pimm Well".
L-56.	--	--	--	D, S	
L-57.	--	--	--	S	Called "Old Place" wells.
L-58.	--	197.3	Sept. 12, 1939	S	Located 35 feet southwest of L-58.
L-59.	--	200.+	--	S	
L-60.	--	--	--	S	
L-61.	--	245.	Rept.	S	Driller bailed 15 gallons a minute which did not exhaust well.
L-62.	--	--	--	--	Oil test. See log.
L-63.	--	--	--	S	Tape would not go below 210 feet.

See footnotes at end of table.



No.	Distance from Montone	Owner or Name	Driller	Date completed	Altitude above sea level (feet)	Depth of well (feet)	Diameter of well (inches)	Method of lift
L-64.	10 $\frac{1}{2}$ miles northeast	W.D.Johnson		old			4 $\frac{1}{2}$	W
L-65.	8 $\frac{3}{4}$ miles north	W.D.Johnson		1928	f/2,934			W
L-66.	8 $\frac{1}{2}$ miles north	W. D.Johnson	Ome and Sloan	1928	f/2,934	4,808		
L-67.	6 $\frac{1}{4}$ miles north	American Air-lines			g/2,865	205	5	N
L-68.	4 $\frac{1}{2}$ miles north	W.D.Johnson		old	g/2,815	190	5	W
L-69.	4 $\frac{1}{2}$ miles north	W.D.Johnson		old	g/2,815	185	5	W
L-70.	4 $\frac{1}{2}$ miles north	Standard Oil Co. of Texas		1930				P
L-71.	6 miles north	W.D.Johnson	Dixie-Phillips Oil Co.		f/2,817	4,712		
L-72.	6 miles north	W.D.Johnson				117	6	W
L-73.	6 miles north	W.D.Johnson		old	g/2,808	118	8	W
L-74.	7 $\frac{1}{4}$ miles north	W.D.Johnson		old		173	8	N
L-75.	7 $\frac{1}{4}$ miles north	W.D.Johnson		old		214		W
L-76.	8 $\frac{1}{2}$ miles north	W.D.Johnson		old		200+	6	W
L-77.	12 miles north	W.D.Johnson				200+	6	W
L-78.	10 $\frac{3}{4}$ miles north	W.D.Johnson		1928		173	6	W
L-79.	11 $\frac{1}{4}$ miles north	S.M.Kyle		old			4 $\frac{1}{2}$	W
L-80.	9 $\frac{3}{4}$ miles northwest	E.C.Marrs	Continental Oil Co.		f/2,890	4,344		
L-81.	9 $\frac{1}{4}$ miles northwest	John Scharbauer		old		256		W
L-82.	9 $\frac{1}{4}$ miles northwest	John Scharbauer		old	g/2,825	85	5	W
L-83.	8 $\frac{3}{4}$ miles northwest	Young Boll				200		N
L-84.	12 $\frac{3}{4}$ miles northwest	T.P.Lands Trust				180		W
L-85.	9 $\frac{3}{4}$ miles northwest	T.P.Lands Trust	Humble Oil and Refining Company	1930	f/2,814	4,085	10	N
L-86.	8 $\frac{1}{2}$ miles northwest	T.P.Lands Trust		1938	g/2,752	136	6	N
L-87.	8 $\frac{1}{2}$ miles northwest	T.P.Lands Trust		old		135	5	W
L-93.	4 $\frac{1}{2}$ miles west	Fred Landreth		1940	g/2,695	17	72	N
L-94.	3 $\frac{1}{2}$ miles north	Sinclair Prairie Oil Company	L. Goodrich		g/2,750	194	5	P
L-95.	3 $\frac{1}{4}$ miles north	Sinclair Prairie Oil Company				115	5	P

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)	Date of measurement		
L-64.	--	--	--	S	Located 40 feet west of L-63.
L-65.	--	--	--	S	
L-66.	--	--	--	--	Oil test. See log.
L-67.	--	157.4	Sept. 14, 1939	N	
L-68.	Red Beds	140.	Aug. 8, 1940	S, PS	"Rondo Wells", the east well. Two wells furnish drinking water for
L-69.	Red Beds	--	--	S, PS	"Rondo Wells", the west Mentone well.
L-70.	Red Beds	--	--	PS	
L-71.	--	--	--	--	Oil test, no production.
L-72.	--	92.7	Sept. 1, 1939	S	"Hudgins Wells"; south well.
L-73.	--	91.1	Sept. 1, 1939	S	"Hudgins Wells"; north well.
L-74.	--	137.4	Sept. 1, 1939	N	Located 50 feet east of windmill.
L-75.	--	137.0	Sept. 1, 1939	S	
L-76.	--	175.6	Sept. 1, 1939	D, S	At Slash ranch house.
L-77.	--	141.9	Sept. 1, 1939	S	Called "Big Boy" well.
L-78.	--	145.8	Sept. 12, 1940	S	Pumping intermittently when measured.
L-79.	--	--	--	S	
L-80.	--	--	--	--	Oil test, no production.
L-81.	--	--	--	S	Lindley ranch house.
L-82.	--	63.0	July 24, 1940	S	Pumping intermittently when measured. South of L-81.
L-83.	--	--	--	N	Two wells drilled were "dry holes".
L-84.	--	--	--	S	
L-85.	--	119.1	July 24, 1940	N	Oil test, plugged for water well at about 220 feet.
L-86.	--	78.5	July 24, 1940	N	
L-87.	--	110.5	--	S	Pumping about 1 gallon a minute when measured.
L-93.	--	14.7	July 23, 1940	N	Dug well. See log.
L-94.	Red Beds	87.8	Dec. 7, 1940	Ind	One of a group of seven wells supplying Sinclair-Prairie Oil Com-
L-95.	Red Beds	84.7	Sept. 1, 1939	Ind	One of a group of seven wells supplying Sinclair-Prairie Oil Company lease. Well No. 6.

See footnotes at end of table

No.	Distance from Mentone	Owner or Name	Driller	Date completed	Altitude above sea level (feet)	Depth of well (feet)	Diameter of well (inches)	Method of lift a/
L-95.	2 miles northwest	Lockhart and Co.		1930	f/2,705	150	6	N
L-97.	1 mile northwest	R.L.Allen	Lockhart and Co.		f/2,683	4,341		
L-98.	1 mile northwest	Sinclair Prairie Oil Company		1928	f/2,683	143	6	N
L-99.	1½ miles north	F.P.Hubbard	L. Goodrich	1938	g/2,695	84	6	W
L-100.	1¾ miles north	Standard Oil Co. of Texas				277		P
L-101.	2½ miles north	J.G.Allen	The California Oil Company	1935	f/2,752	4,365		
L-102.	2¾ miles east	McGinley Corporation.			g/2,750	175	7½	N
L-103.	¾ mile east	L.B.Russell et al	Ramsey Oil Co.		f/2,671	4,491		
L-104.	In Mentone	Hopper and King	Hopper and King	1940		246		
L-105.	In Mentone	Loving County	L. Goodrich	1936		118		
L-106.	1¾ miles south	J.E.Sherrod				14	6	N
L-107.	1½ miles south	Tom Wright			g/2,670	16	30	H
L-108.	1½ miles south	D.Olcott et al	Goodrich	1940		54		W
L-109.	1¼ miles southeast	L.E.Russell			g/2,675	26	6	W
L-110.	1¾ miles southeast	N.F.Chapman and R.H.McElvain	Miller, Burge and Healy	1930	f/2,670	4,326		
L-111.	2½ miles southwest	L. Weeks		1940		60	6	W
L-112.	2 miles south	E.L.Stratton	F.Goodrich	1931	g/2,670	80	6	W
L-113.	2¼ miles south	E.L.Stratton	Stratton	1933		73	6	W
L-114.	2¾ miles south	Floyd Goodrich	Floyd Goodrich	1936		53	12	N
L-115.	2¾ miles south	Floyd Goodrich	Floyd Goodrich			60		P
L-116.	2½ miles south	Capitola No.1	Grisham-Hunter Corp.&Premier Investment Company	1931		4,343		
L-117.	5¾ miles southeast	H.G.Myers	L.Goodrich	1932		98	6½	N
L-118.	2¾ miles southeast	M.F.Tennant		1930	g/2,665	44	7	N
L-119.	5¼ miles east	Elijah Hall	Vic Brookfield	1907		155	6	W
L-120.	5¼ miles east	Elijah Hall	H.C.McCauley		g/2,785			
L-121.	5 miles east	McGinley Corp.		old		110	5	N

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)	Date of measurement		
L-96.	Red Beds	44.7	July 23, 1940	N	Supplied water for drilling two oil tests.
L-97.	--	--	--	N	Oil test.
L-98.	Red Beds	33.9	July 23, 1940	N	Located 150 feet east of L-97.
L-99.	Alluvium	21.5	June 28, 1940	S	
L-100.	Red Beds	--	--	Ind, I	Pumped at rate of 514 barrels per 24 hours. See log.
L-101.	--	--	--	--	Oil well. See log.
L-102.	Alluvium?	106.2	Nov. 21, 1939	N	
L-103.	--	--	--	--	Oil test. No production.
L-104.	--	28.	Rept.	--	See log.
L-105.	Alluvium	35.	Rept.	PS, I	
L-106.	Alluvium	12.7	Feb. 27, 1940	N	Supplied water to drill oil test.
L-107.	Alluvium	13.6	Feb. 27, 1940	N	Dug well.
L-108.	Alluvium	12.5	Feb. 27, 1940	S	
L-109.	Alluvium	24.7	June 28, 1940	N	
L-110.	--	--	--	--	Oil well.
L-111.	Alluvium	17.1	Sept. 11, 1940	S	See log.
L-112.	Alluvium	13.6	Feb. 27, 1940	S, I	Water sands at 20 to 30 feet, and 50 to 60 feet. Originally 132 feet
L-113.	Alluvium	24.5	Feb. 27, 1940	S	About 400 feet north of Stratton farm house. deep.
L-114.	Alluvium	12.5	Feb. 27, 1940	N	
L-115.	Alluvium	12.	Rept.	S, I	The southwest well of a group of three wells.
L-116.	--	--	--	--	Oil test. No production.
L-117.	Alluvium	12.0	Dec. 7, 1940	N	Supplied water to drill oil test. Furnished 15 gallons a minute with
L-118.	Alluvium	31.1	Dec. 7, 1940	N	Supplied water to drill oil test. plied water to drill oil test.
L-119.	Alluvium	147.6	Sept. 14, 1940	D, S	
L-120.	--	--	--	--	Oil test, drilling, January, 1941.
L-121.	Alluvium	109.9 (?)	Aug. 14, 1940	N	

See footnotes at end of table.

No.	Distance from Montone	Owner or Name	Driller	Date completed	Altitude above sea level (feet)	Depth of well (feet)	Diameter of well (inches)	Method of lift
L-122.	6 $\frac{1}{2}$ miles east	W.D.Johnson	Cooper	1910		145	6	W
L-123.	9 miles southeast	Benton Land Company	J.O.Jarman	1938	<u>g</u> /2,660	71	7	W
L-124.	9 $\frac{3}{4}$ miles east	Texas University		old	<u>g</u> /2,735	118	6	W
L-125.	9 $\frac{3}{4}$ miles east	Texas University		old		120	6	W
L-126.	7 $\frac{1}{2}$ miles east	Chas. E. Allison			<u>g</u> /2,810		6 $\frac{1}{2}$	W
L-127.	7 $\frac{1}{2}$ miles east	Chas. E. Allison		old			6 $\frac{1}{2}$	N
L-128.	6 $\frac{1}{2}$ miles northeast	G.A.Arrington		old			5	W
L-129.	7 miles northeast	I.V.Brookfield	H.W.Martin	1932	<u>f</u> /2,868	4,920		
L-130.	7 $\frac{1}{2}$ miles northeast	I.V.Brookfield					6 $\frac{1}{2}$	W
L-131.	8 miles northeast	L.W.Anderson		1936			6 $\frac{1}{2}$	W
L-132.	13 $\frac{1}{2}$ miles east	Texas University	L.F.Buchanan	1937		330		N
L-133.	15 $\frac{1}{4}$ miles east	Texas University		old		127		W
L-134.	15 $\frac{1}{2}$ miles east	Texas University		old	<u>g</u> /2,795	145	6	W
L-135.	15 miles east	Texas University		old	<u>g</u> /2,800	161	7	W
L-136.	15 miles east	Texas University		old			7	W

FOOTNOTES

For supply wells in Loving County

a/ N,-none. W,-windmill. P,-power lift. H,-handlift. F,-flowing.

c/ N,-unused, S,-stock. D,-domestic. I,-irrigation, PS,-public supply. RR,-railroad. A,-abandoned, Ind,-industrial.

d/ Located in New Mexico.

e/ Elevation by aneroid barometer.

f/ Elevation from oil company well log.

g/ Elevation from contour map.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)	Date of measurement		
L-122.	Alluvium	--	--	S	
L-123.	Alluvium	53.7	Aug. 14, 1940	S	Cylinder pump set at 69 feet. Driller reports well will yield 6 gallons
L-124.	Alluvium	105.0	Aug. 21, 1940	S	Water level taken while a minute pumping slowly.
L-125.	Alluvium	--	--	S	This well and L-124 known as Ward Wells.
L-126.	Alluvium	174.1	Sept. 11, 1939	D,S	200-foot tape would not reach bottom.
L-127.	--	176.1	Sept. 11, 1939	N	Located 35 feet north of L-126.
L-128.	--	--	--	S	Obstruction at 100 feet.
L-129.	--	--	--	--	Oil test made 5 million cubic feet of gas at 4,777 feet.
L-130.	Red Beds	--	--	D,S	200-foot tape would not reach water while well was pumping slowly.
L-131.	Red Beds	--	--	S	200-foot tape would not reach water while well was pumping slowly.
L-132.	--	--	--	N	
L-133.	--	110.5	Sept. 9, 1940	S	Pumping intermittently when measured.
L-134.	--	109.0	Sept. 9, 1940	S	About 110 feet south of L-133. Wells are known as "The Twos".
L-135.	--	99.5	Aug. 21, 1940	S	
L-136.	--	--	--	S	About 150 feet east of L-135. 200-foot tape did not reach bottom.

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 Records of Wells and Springs in Reeves County, Texas  
 (All wells are drilled unless otherwise noted under remarks)

No.	Distance from Orla	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of lift
d/R-1.	13 miles northwest	M. P. Scott	Arthur Redmond	June, 1940	e/2,925.5	216		N
d/R-2.	12 $\frac{1}{2}$ miles northwest	G. E. Ramsey		old	e/2,916.	133	5	N
R-2a.	8 $\frac{1}{2}$ miles northwest	H. T. Collier		new	e/2,880.7	147	6	W
R-3.	6 $\frac{3}{4}$ miles northwest	T. & P. Lands Trust	Humble Oil Co.	1926	f/2,863.	4,416		A
R-4.	6 miles northwest	J. E. Skinner	Clyde Simmonds	1933	e/2,904.	85	6	N
R-5.	6 miles northeast	H. T. Collier		old	c/2,896.5	89	4	W
R-6.	4 $\frac{1}{2}$ miles northeast	W. A. Tunstill	Frankley and Rice Oil Co.	1938	f/2,906.	2,310		A
R-7.	4 $\frac{1}{2}$ miles east	T. & P. Lands Trust	General Crude Oil Company	1937	f/2,730.	3,590		A
R-8	3 $\frac{1}{2}$ miles north	Red Bluff Dam			e/2,785.		4	N
R-9.	At Orla	Hall Olds		1950	c/2,871.5	84	7	W
R-10.	5 miles southwest	T. & P. Lands Trust	Bennoth Slack		f/2,996.	3,505		A
R-11.	2 $\frac{1}{2}$ miles southwest	T. & P. Lands Trust	Grisham-Hunter Oil Company		f/3,020.	3,350		A
R-12.	3 $\frac{1}{2}$ miles southwest	T. & P. Lands Trust	World Pub. Co.		f/3,013.	3,768		
R-13.	5 $\frac{1}{2}$ miles southeast	John Camp		old		173		W
R-14.	6 $\frac{1}{4}$ miles southeast	T. & P. Lands Trust	Humble Oil Co.		f/2,781.	3,880		
R-15.	6 $\frac{1}{2}$ miles southeast	J. Y. Crum		old		105		W
R-16.	6 $\frac{1}{2}$ miles southeast	J. Y. Crum		1935		23		N
R-17.	8 $\frac{1}{2}$ miles southeast	B. T. Biggs	World Oil Company		f/3,068.	3,006		A
R-18.	12 $\frac{1}{2}$ miles southeast	W. B. Burchard		old		229	5	W
R-19.	14 $\frac{1}{2}$ miles southeast	H. B. Wallace		old		47	4	W
R-20.	12 $\frac{1}{2}$ miles southeast	L. W. Anderson		old		103	6	W
R-25.	15 $\frac{1}{2}$ miles southeast	L. W. Anderson		old		45	4	W
R-26.	16 $\frac{1}{2}$ miles southeast	L. W. Anderson	Hugh Freels		f/2,721.			

See footnotes at end of table.

Records of Wells and Springs in Reeves County, Texas  
(All wells are drilled unless otherwise noted under remarks)

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Surface and suitable (feet)h/	Date of measure- ment		
d/R- 1.	Red Beds	85.92	June 13, 1940	N	Entire hole reported to have been drilled in red silt.
d/R- 2.	Red Beds	52.88	do.	N	
R- 2a.	Rustler	49.23	do.	S	
R- 3.	--	--	--	A	Oil test.
R- 4.	Fine sands of younger alluvium	71.11	do.	N	No water was obtained in hole 200 feet deep one-half mile north at Red Bluff Station.
R- 5.	Fine sands and silt of younger alluvium	68.89	do.	S	
R- 6.	--	--	--	A	Oil test. See log.
R- 7.	--	--	--	A	Oil test. See log.
R- 8.	Younger alluvium	10.03	Jan. 17, 1940	N	Formerly used to supply water for camp during construction of dam.
R- 9.	Older alluvium	64.32	June 14, 1940	D	
R-10.	--	--	--	A	Oil test. Top of Delaware Mountain formation reported at 2,704 feet.
R-11.	Rustler at 650 feet	--	--	A	See log.
R-12.	--	--	--	--	Oil test. Small production of oil from this well.
R-13.	Older alluvium	100.42	June 14, 1940	S	
R-14.	Rustler at 1,765 feet.	--	--	--	Oil test. Water also reported in alluvium.
R-15.	Older alluvium	74.67	June 24, 1940	S	
R-16.	Older alluvium	6.82	do.	S	Dug well. Used for domestic supply during construction of dam.
R-17.	Older alluvium	--	--	A	Oil test. See log.
R-18.	--	133.6	Jan. 4, 1940	S	
R-19.	Older alluvium	31.5	June 24, 1940	S	
R-20.	--	89.2	June 24, 1940	S	
R-25.	Older alluvium	30.55	Aug. 7, 1940	S	
R-26.	--	87.0	June 24, 1940	--	Oil test. Top of Delaware Mountain formation reported at 2,879 feet

See footnotes at end of table.



NO.	Distance from Orla	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of Well (inches)	Method of Lift
R-27.	16 $\frac{1}{2}$ miles southeast	L. W. Anderson			f/ 2,721.	75	8	W
R-28.	16 $\frac{3}{4}$ miles southeast	I. J. Bell and Co.	Dixieland Syndicate		f/ 2,638.	4,495		A
R-29.	18 $\frac{1}{2}$ miles southeast	F. C. Hyde		old		74		W
R-30.	26 $\frac{1}{2}$ miles southeast	Nasario Lara		old		110	6	W
R-31.	26 miles southeast	Nasario Lara	L. F. Buchanan	Dec. 1939	2,652.54	198	6	W
R-32.	26 $\frac{1}{2}$ miles southeast	J. E. Couch	L. F. Buchanan	Dec. 1939	2,562.74	160	5	W

No.	Distance from Pecos	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of Well (inches)	Method of Lift
R-33.	12 $\frac{1}{2}$ miles north	T. S. Ingle		old		171	5	W
R-34.	14 miles northwest	L. W. Anderson		old		186	7	W
R-35.	14 miles northwest	L. W. Anderson	California Oil Company		f/2,798.	4,378		
R-37.	19 $\frac{1}{2}$ miles northwest	Wanda Hanks		1912		170	5	W
R-38.	25 $\frac{1}{2}$ miles northwest	W. B. Burchard		1900?		300	6	W
R-39.	28 $\frac{1}{2}$ miles northwest	W. B. Burchard		old		113	36	W
R-40.	29 miles west	F. L. Reeves	Kenneth Slack	1935	f/3,156.			A
R-41.	28 miles west	Neal Burchard		old		96	6	H
R-42.	28 miles west	Neal Burchard		old		300+	8	H
R-42a.	32 miles west	L. Ford				68	6	W
R-43.	26 miles west	W. B. Burchard				268	4	W
R-44.	22 $\frac{3}{4}$ miles west	W. B. Burchard						W
R-45.	18 miles northwest	Wanda Hanks				300+	6	W
R-46.	14 miles northwest	Wanda Hanks			c/2,866.	227	6	W
R-46a.	14 $\frac{1}{2}$ miles northwest	L. W. Anderson				225	6	W
R-47.	10 $\frac{3}{4}$ miles north	S. H. Pruitt	Exploration Oil Company		f/2,741.	2,900	8	W

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)b/	Date of measurement		
R-27.	--	50.4	June 24, 1940	S	
R-28.	--	--	--	A	Oil test.
R-29.	--	71.0	June 24, 1940	S	
R-30.	Younger alluvium	9.12	Jan. 5, 1940	S,D	
R-31.	Older alluvium	24.1	Jan. 5, 1940	S	See log.
R-32.	Older alluvium	35.15	Dec. 11, 1939	S	See log.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)b/	Date of measurement		
R-33.	--	131.0	May 16, 1940	S	
R-34.	--	173.51	May 16, 1940	S	
R-35.	--	--	--	A	Oil test.
R-37.	--	138.7	Mar. 13, 1940	S	
R-38.	--	165.45	Mar. 13, 1940	S	
R-39.	--	56.75	Mar. 14, 1940	S	Known as "Corouthers' well".
R-40.	--	--	--	A	Oil test.
R-41.	--	37.73	Mar. 14, 1940	N	
R-42.	--	42.76	Mar. 14, 1940	N	
R-42a.	--	59.61	Oct. 5, 1939	S	
R-43.	--	236.0	Mar. 14, 1940	S	Known as "Oscar well".
R-44.	--	--	--	S	
R-45.	--	274.7	Aug. 8, 1940	S	
R-46.	--	216.55	Jan. 4, 1940	S	
R-46a.	--	200+	Mar. 13, 1940	S	Known as "Kelton well".
R-47.	--	124+	Sept. 16, 1940	S	Oil test. Now used for watering stock.

See footnotes at end of table.

No.	Distance from Pecos	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of Well (inches)	Method of Lift
R-48.	11 miles northwest	L. W. Anderson		old		101	4	W
R-49.	9 $\frac{1}{2}$ miles northwest	T. S. Ingle		old		77	5	W
R-50.	7 miles northwest	W. L. Lansing	Sunshine Oil Company	1923	f/2,638.	2,305		A
R-51.	8 miles northwest	H. H. Johnson et al	Dunnigan Bros. and Brahney Oil Co.		f/2,620.	4,688		A
R-52.	7 $\frac{1}{2}$ miles north	J. Y. Crum	John DeRacey			24	6	P
R-53.	6 $\frac{3}{4}$ miles north	Mrs. M. S. Grissom	L. F. Buchanan			55	6	W
R-54.	6 $\frac{1}{2}$ miles northwest	T. S. Ingle	L. F. Buchanan	1939	e/2,613.5	51	6	W
R-55.	5 $\frac{3}{4}$ miles north	L. Roberson and B. Hubbs	Clyde Simmonds	Nov. 1939		165	6	W
R-56.	5 $\frac{3}{4}$ miles north	Louis Roberson		old		133	6	W
R-57.	5 miles north	John Lopoo	King	1919		30	6	H
R-58.	3 $\frac{3}{4}$ miles north	John Lopoo	L. F. Buchanan	1928		96	6	W
R-59.	3 $\frac{1}{2}$ miles north	J. E. Couch	R. H. Couch	1906		400		F
R-60.	3 $\frac{1}{2}$ miles northwest	W. A. Watson	L. F. Buchanan	July 1938		77	8	P
R-61.	3 $\frac{3}{4}$ miles northwest	Leo Mears	Leo Mears	Nov. 1939		30		
R-61a.	3 $\frac{3}{4}$ miles northwest	Leo Mears	L. F. Buchanan	April, 1940		126	5	P
R-62.	3 $\frac{3}{4}$ miles northwest	C. D. Boyd	C. D. Boyd	Mar. 1939	e/2,601.	23		P
R-63.	3 $\frac{3}{4}$ miles northwest	W. H. Boyd	W. H. Boyd	Aug. 1939		30		H
R-64.	3 $\frac{3}{4}$ miles northwest	G. G. Breen	Clyde Simmonds	Jan. 1939		74	8	P
R-65.	3 $\frac{1}{2}$ miles northwest	W. E. Sherwood	L. F. Buchanan	Jan. 1940		76	8	
R-66.	4 $\frac{3}{4}$ miles northwest	S. H. Prowit		old				W
R-67.	6 $\frac{3}{4}$ miles west	E. M. Brown	Sid Richardson	1938	f/2,686.	4,640		A
R-68.	8 miles northwest	S. H. Prowit			e/2,640.	29	5	W
R-69.	8 $\frac{3}{4}$ miles northwest	S. H. Prowit		old	e/2,631.5		5	W
R-70.	11 $\frac{1}{2}$ miles west	Elmor Wadley		old	e/2,852.5	207		W
R-71.	11 $\frac{1}{2}$ miles west	Elmor Wadley			e/2,813.	190	6	W
R-72.	19 $\frac{5}{4}$ miles west	A. B. Burchard				178	6	W

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet) <sup>b/</sup>	Date of measure-		
R-48.	--	81.5	Oct. 6, 1940	S	
R-49.	Older Alluvium	42.4	May 16, 1940	S	
R-50.	--	--	--	A	Oil test. Dry sand and gravel reported at 882 feet.
R-51.	Castile	--	--	A	Water also reported in Delaware Mountain formation. See log.
R-52.	Younger alluvium	11.4	Jan. 4, 1940	S	
R-53.	Younger alluvium	11.6	Jan. 4, 1940	S	
R-54.	--	18.7	Jan. 4, 1940	S	
R-55.	Younger alluvium	12.2	Nov. 2, 1940	S	
R-56.	--	8.6	Dec. 19, 1939	S	
R-57.	Younger alluvium	2.1	Dec. 19, 1939	S	
R-58.	--	11.7	Dec. 19, 1939	D,S	
R-59.	Older alluvium	--	--	S	
R-60.	Older alluvium	--	--	I,S	
R-61.	Younger alluvium	24.2	Nov. 17, 1939	D,I	Dug well.
R-61a.	Older alluvium	--	--	I	Drilled on site of dug well R-61. See log.
R-62.	Younger alluvium	22.7	Nov. 17, 1939	D,I	Dug well.
R-63.	Younger alluvium	21.5	Nov. 17, 1939	S	Dug well.
R-64.	Older alluvium	24.5	Nov. 17, 1939	D,S,I	Drawdown of 13 feet when pumping 300 gallons a minute.
R-65.	Older alluvium	23.8	Jan. 6, 1940	I	See log.
R-66.	--	31.1	Nov. 17, 1940	S	Formerly used for irrigation.
R-67.	Rustler at 1,180 feet	--	--	A	Oil test. Flowing water reported to have been under pressure of 60 lbs. per sq. inch in Rustler formation.
R-68.	Younger alluvium	18.4	Sept. 16, 1940	S	
R-69.	Younger alluvium	12.57	Oct. 30, 1939	S	
R-70.	--	174.6	Sept. 13, 1940	S	
R-71.	--	149.2	Sept. 13, 1940	S	
R-72.	--	147.7	Mar. 14, 1940	S	

See footnotes at end of table.

No.	Distance from Pecos	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of lifting
R-73.	21 miles west	A. B. Burchard				255		W
R-74.	25 $\frac{1}{2}$ miles west	Tat Oil Co. H. F. Anthony	Tom Simmonds and R. Dvall	Nov. 1939		2,000		
R-75.	28 miles west	J. M. Speed		old		68	6	N
R-80.	30 $\frac{1}{2}$ miles west	Grisham-Hunter	Vacuum Oil Co.		f/3,208.	3,800		A
R-81.	24 $\frac{1}{2}$ miles west	R. F. Campbell	Eastland Oil Co.	1928	f/3,176.	3,500		
R-82.	22 $\frac{1}{2}$ miles west	Artie Baker	Artie Baker	Dec. 1938		500	8	N
R-83.	21 $\frac{1}{2}$ miles west	A. B. Burchard				75		W
R-84.	17 $\frac{1}{2}$ miles west	A. B. Burchard				63	7	W
R-85.	15 $\frac{1}{2}$ miles west	R. S. Burchard		old	e/2,857.	51		W
R-86.	16 $\frac{1}{2}$ miles west	E. B. Daniel			e/2,879.	60	6	W
R-87.	14 $\frac{1}{2}$ miles west	E. B. Daniel			e/2,827.	190	6	W
R-88.	13 $\frac{1}{2}$ miles west	R. S. Burchard			e/2,818.5	185	5	W
R-89.	11 $\frac{1}{2}$ miles west	E. B. Daniel			e/2,773.5	156		W
R-90.	10 miles west	Elmer Wadley		old		139	5	W
R-91.	6 $\frac{1}{2}$ miles west	Elmer Wadley		old	o/2,672.5	98	4	N
R-92.	6 $\frac{1}{2}$ miles west	Elmer Wadley			o/2,671.	100		W
R-93.	4 $\frac{3}{4}$ miles west	H. C. Bryan	Holl Davis	1910	o/2,641.5	162	6	P
R-94.	4 $\frac{3}{4}$ miles west	McDaniel	L. F. Buchanan	Nov. 1939	o/2,641.5	170	8	P
R-95.	4 $\frac{1}{2}$ miles west	M. L. Todd	L. F. Buchanan	1916	o/2,631.	390		N
R-96.	4 $\frac{1}{2}$ miles west	Harold Wondt		1910		129	5	N
R-97.	4 $\frac{1}{2}$ miles west	Harold Wondt	Tom Simmonds	Sept. 1940	o/2,637.	205		P
R-98.	4 $\frac{1}{2}$ miles west	Harold Wondt	Tom Simmonds	Sept. 1940	o/2,638.	215	16	N
R-99.	3 $\frac{3}{4}$ miles west	M. L. Todd	L. F. Buchanan	May 1937	o/2,632.5	180	12	P
R-99a.	3 $\frac{3}{4}$ miles west	M. L. Todd	L. F. Buchanan	old	o/2,632.5	135	24	N
R-100.	4 miles west	J. W. Brooks		1912	o/2,639.	185	10	P

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)b/	Date of measurement		
R- 73.	--	241.3	Mar. 14, 1940	S	
R- 74.	Unconsolidated sands of basal Cretaceous	62.8	Nov. 4, 1939	--	Oil test.
R- 75.	--	58.9	Oct. 5, 1939	N	
R- 80.	--	--	--	A	Oil test.
R- 81.	--	--	--	--	Oil test.
R- 82.	--	22.2	Mar. 14, 1940	N	Oil test. See log.
R- 83.	--	66.0	May 16, 1940	S	
R- 84.	--	39.4	Mar. 14, 1940	S	
R- 85.	--	45.2	Aug. 8, 1940	S	
R- 86.	--	56.2	Oct. 3, 1939	S	
R- 87.	--	168.3	Aug. 8, 1940	S	
R- 88.	--	167.5	Feb. 13, 1940	S	
R- 89.	--	146.2	Aug. 8, 1940	S	
R- 90.	--	134.5	Sept. 13, 1940	S	
R- 91.	Older Alluvium	66.2	Dec. 21, 1939	N	
R- 92.	Older alluvium	70.9	Dec. 21, 1939	S	
R- 93.	Older alluvium	36.0	Nov. 16, 1939	S, I	No. 2. <u>i/</u>
R- 94.	Older alluvium	36.2	Nov. 8, 1939	I	See log.
R- 95.	--	21.9	Nov. 15, 1939	N	
R- 96.	--	22.1	Nov. 16, 1939	N	
R- 97.	Older alluvium	32.0	Nov. 14, 1940	I	See log.
R- 98.	Older alluvium	13.1	Sept. 16, 1940	N	Yielded 150 gallons a minute by bailer test. See log.
R- 99.	Older alluvium	27.7	Nov. 14, 1940	I	Yield 1,155 gallons a minute. Measured by current meter. No. 8.
R- 99a.	--	23.3	Nov. 15, 1939	N	Old well 10 feet <u>i/</u> See log. from R-99.
R-100.	Older alluvium	33.4	Nov. 14, 1940	I	No. 7. <u>i/</u>

See footnotes at end of table.

No.	Distance from Pecos	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well	Diameter of well (inches)	Method of Test
R-100a	4 miles west	J. W. Brooks		1912	e/2,639.	30		
R-101.	4 <sup>3</sup> / <sub>4</sub> miles west	Harold Wendt		1909	e/2,643.	197	10	P
R-102.	5 miles west	Barney Hubbs		1910	e/2,657.5	209		P
R-103.	2 miles west	Tolbert Garrett	Tom Simmonds	1938		226	8	N
R-104.	2 <sup>1</sup> / <sub>2</sub> miles west	Jess Mendenhall		old			4	H
R-104a	2 <sup>1</sup> / <sub>2</sub> miles west	J. G. Merrinan		old				
R-105.	2 miles west	Davis		1938			6	P
R-106.	2 <sup>1</sup> / <sub>2</sub> miles west	Reba Morgan	Sib Honeycutt	1925		165	6	P
R-107.	2 <sup>1</sup> / <sub>2</sub> miles west	Reba Morgan	Sib Honeycutt	1925		165	6	P
R-108.	2 <sup>3</sup> / <sub>4</sub> miles northwest	Ronald Roberson					4	F
R-109.	2 <sup>1</sup> / <sub>2</sub> miles northwest	Ronald Roberson		1915		135	4	F
R-110.	3 miles northwest	B. Kraus	Joe Kraus	old			5	F
R-111.	2 <sup>3</sup> / <sub>4</sub> miles northwest	L. W. Lewis	Tom Simmonds	1922		140	7	F
R-112.	2 <sup>3</sup> / <sub>4</sub> miles northwest	L. W. Lewis	Joe Kraus	1914		134	3	F
R-113.	2 <sup>3</sup> / <sub>4</sub> miles northwest	L. W. Lewis					7	F
R-114.	2 <sup>1</sup> / <sub>4</sub> miles north	A. Schmid	Tom Simmonds	1938		308	6	I
R-115.	2 <sup>1</sup> / <sub>2</sub> miles north	A. Schmid		1902		89	5	W
R-116.	1 <sup>1</sup> / <sub>2</sub> miles north	R. R. Thompson		old			10	F
R-120.	In Pecos	Frank Yarbourh						F
R-121.	In Pecos	Jake Portervant	Earl Fisher	1939		143	6	F
R-122.	In Pecos	R. V. Nabers	Van Havis	1905		160	6	F
R-123.	In Pecos	Ed Otto	Joe Kraus	1900		90	3	F
R-124.	In Pecos	Texas Hwy. Dept.	L. F. Buchanan	1939		80	6	F
R-125.	In Pecos	J. W. Duncan	L. F. Buchanan	Sept. 1940		210	7	F

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)b/	Date of measurement		
R-100a.	Younger alluvium	19.9	Nov. 16, 1939	I	Dug pit at R-100.
R-101.	Older alluvium	37.7	Nov. 16, 1939	D, I	No. 5, <u>i/</u> . Yield 1,430 gallons a minute. Measured by current meter.
R-102.	Older alluvium	--	--	D, I	No. 10, <u>i/</u> .
R-103.	Older alluvium	* 2.4	Dec. 21, 1939	N	
R-104.	Older alluvium	0.1	Dec. 21, 1939	D, S	
R-104a.	Older alluvium	--	--	--	Four wells reported to have been abandoned for 40 years. Still flowing.
R-105.	Older alluvium	* 4.8	Dec. 21, 1939	D, S, I	
R-106.	Older alluvium	2.7	Dec. 21, 1939	D, S	Reported yield 200 gallons a minute
R-107.	Older alluvium	--	--	I	
R-108.	Older alluvium	--	--	I	
R-109.	Older alluvium	*14.0	Jan. 15, 1940	D	
R-110.	Older alluvium	--	--	S	Two wells about 15 feet apart.
R-111.	Older alluvium	--	--	D	No. 1, <u>i/</u>
R-112.	Older alluvium	* 3.9	Nov. 17, 1939	S	Two wells about 5 feet apart.
R-113.	Older alluvium	--	--	N	Springs reported to have flowed when well pressures were greater.
R-114.	Older alluvium	* 7.5	Nov. 24, 1939	I	Flows about 5 gallons a minute. Yields about 180 gallons a minute
R-115.	Older alluvium	11.2	Oct. 9, 1939	D, S	when pumped.
R-116.	Older alluvium	--	--	N	Partly plugged. Flowing 15 to 20 gallons a minute.
R-120.	Older alluvium	*15.5	Dec. 5, 1939	N	Partly plugged.
R-121.	Older alluvium	*13.8	Dec. 5, 1939	D, I	Flow increased by deepening from 126 to 143 feet. See log.
R-122.	Older alluvium	*12.0	Dec. 4, 1939	D, I	Reported first flowing water encountered at 90 feet.
R-123.	Older alluvium	--	--	S	
R-124.	Older alluvium	*14.9	Dec. 5, 1939	I	Well at roadside park.
R-125.	Older alluvium	--	--	I	Flow estimated at 150 gallons a minute, September 6, 1940. See log.

See footnotes at end of table.



No.	Distance from Pecos	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of lift a/
R-126.	In Pecos	R. N. Couch	W. J. King			205	6	F
R-127.	In Pecos	Roda H. Harper	Clyde Simmonds	1907		170	6	F
R-128.	In Pecos.	Roda H. Harper	Clyde Simmonds	1914		178	6	F
R-129.	In Pecos.	R. E. Glier	W. J. King			196	6	F
R-130.	In Pecos	E. C. Langston		old			6	F
R-131.	In Pecos	Jimmie Otto	J. B. Heard, Sr.	1899		187	3	F
R-132.	In Pecos	Roy Easter	Clyde Simmonds	Apr. 1940		170	5	F
R-133.	In Pecos	Earl Fisher	Tom Simmonds	1939		200	6	F
R-134.	In Pecos	A. Alexander	W. J. King		$\underline{g}/2,579.3$	176	6	F
R-135.	In Pecos	C. L. Elkins	W. J. King		$\underline{g}/2,579.3$	170	6	F
R-136.	In Pecos	Pink Bowie	King and Honeycutt.		$\underline{g}/2,579.3$	165	6	F
R-137.	In Pecos	E. B. Kiser	Cib Honeycutt		$\underline{g}/2,579.3$	210	6	F
R-138.	In Pecos	I. R. Wells	Simmonds			136	6	F
R-139.	In Pecos	Louis Roberson	Simmonds				6	F
R-140.	In Pecos	E. B. Kiser	Tom Simmonds	1933	$\underline{g}/2,579.1$	190	7	F
R-141.	In Pecos	Artie Justis	Simmonds	1914		190	6	F
R-142.	In Pecos	D. W. Justis	Simmonds			200	6	F
R-143.	In Pecos	J. S. Bennett	Kite					F
R-144.	In Pecos	Elmer Wadler	H. Yarbourh			150	6	F
R-145.	In Pecos	Burford Refinery		1929	2,583.09	208	6	F
R-146.	In Pecos			1920			6	F
R-147.	In Pecos	Tom Simmonds	Tom Simmonds	1932	$\underline{g}/2,579.5$	188	6	F
R-148.	In Pecos	John Wadley	John Bush			320	6	F
R-149.	In Pecos	Mrs. Williams					4	F
R-150.	In Pecos	Mrs. Cora McQueen	Simmonds	1937	2,578.49	230	6	F
R-151.		Wickerson and Guies	Clyde Simmonds	Mar. 1940		198	5	F

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)b/	Date of measurement		
R-126.	Older alluvium	--	--	I	
R-127.	Older alluvium	*12.6	Nov. 20, 1939	I	
R-128.	Older alluvium	*12.6	Nov. 20, 1939	I	
R-129.	Older alluvium	* 9.7	Nov. 20, 1939	D	
R-130.	Older alluvium	17.7	Dec. 5, 1939	D,I	Flow estimated at 200 gallons a minute.
R-131.	Older alluvium	11.5	Nov. 6, 1939	I	
R-132.	Older alluvium	--	--	D,S	First flowing water at 149 feet.
R-133.	Older alluvium	*12.1	Nov. 20, 1939	I	
R-134.	Older alluvium	* 9.5	Nov. 20, 1939	S,I	
R-135.	Older alluvium	*12.3	Nov. 20, 1939	I	
R-136.	Older alluvium	*12.3	Nov. 20, 1939	I	
R-137.	Older alluvium	*12.3	Nov. 20, 1939	I	
R-138.	Older alluvium	*10.8	Nov. 20, 1939	I	
R-139.	Older alluvium	*13.1	Mar. 1, 1940	S	
R-140.	Older alluvium	*12.3	Nov. 20, 1939	D,S, PS	Used to supply water for swimming pool in summer.
R-141.	Older alluvium	*11.4	Nov. 20, 1939	S,I	
R-142.	Older alluvium	*10.8	Nov. 20, 1939	I	
R-143.	Older alluvium	* 4.0	Dec. 4, 1939	D,I	
R-144.	Older alluvium	--	--	D	
R-145.	Older alluvium	* 9.7	Dec. 5, 1939	I	
R-146.	Older alluvium	--	--	D	
R-147.	Older alluvium	12.1	Nov. 20, 1939	I,PS	Used for swimming pool in summer. Flow estimated at 300 gallons a minute.
R-148.	Older alluvium	--	--	I	
R-149.	Older alluvium	--	--	I	
R-150.	Older alluvium	--	--	I	
R-151.	Older alluvium	--	--	D,S	See log.

See footnotes at end of table.

No.	Distance from Pecos	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of lift
R-152.	In Pecos	Burford Refinery	Files	1929	2,583.11	208	6	F
R-153.	In Pecos	Dorothy M. Brigand			2,582.81		6	F
R-154.	In Pecos	Mrs. Whitenbury	L. F. Buchanan	1933		210	6	F
R-155.	In Pecos	Jim Moore			2,585.86		6	F
R-156.	In Pecos	John Doll	Joe Kraus		2,579.07	250	3	F
R-157.	In Pecos	T. & P. R.R. Co.	H. Yarbourh	1896		310	3	F
R-158.	In Pecos	T. & P. R.R. Co.	Borden	1905	2,579.60	200	6	F
R-159.	In Pecos	Placido Yoberra	Joe Kraus				3	F
R-160.	In Pecos	Elatio Rarions	Joe Kraus				3	F
R-161.	In Pecos	W. W. Courtney					3	F
R-162.	In Pecos	Sisk	W. J. King	1909		200	5	F
R-163.	In Pecos	Community Public Service Company	L. F. Buchanan	1910		280	6	F
R-164.	In Pecos	Ben Randall					3	F
R-165.	In Pecos	C. E. Bucholz	Simmonds			250	3	F
R-166.	In Pecos	Ed Otto	Joe Kraus		<u>g</u> /2,579.2	180	2	F
R-167.	In Pecos	Ed Otto	N. Yarbourh		<u>g</u> /2,580.3		3	F
R-168.	In Pecos.	T. & P. R.R. Co.	Broon			130	6	F
R-169.	In Pecos	O. J. Green	Ben Capps		<u>g</u> /2,587.3	290	8	F
R-170.	In Pecos	Van Havis	Cas Morgan	1909		285	6	F
R-171.	In Pecos	R. P. Morrison	R. P. Morrison	Apr. 1940		270	6	F
R-172.	In Pecos	Mrs. Fuquay					8	F
R-173.	In Pecos	Elmer Wadley	Boles	1908	<u>g</u> /2,586.9	300	6	F
R-174.	In Pecos	R. G. Middilton			<u>g</u> /2,585.5		6	F
R-175.	In Pecos	Sullivan			<u>g</u> /2,581.0		6	F
R-176.	In Pecos	Mrs. H. Ross	Clyde Simmonds			247	6	F
R-177.	In Pecos	Mrs. H. Ross	N. Yarbourh	old		240	4	N
R-178.	In Pecos	W. R. Rodce					3	F

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)b/	Date of measurement		
R-152.	Older alluvium	* 9.0	Dec. 5, 1939		
R-153.	Older alluvium	* 2.8	Dec. 5, 1939	I	
R-154.	Older alluvium	--	--	I	
R-155.	Older alluvium	* 3.9	Nov. 21, 1939	D,I	
R-156.	Older alluvium	* 3.5	Dec. 4, 1939	D,I	
R-157.	Older alluvium	--	--	N	
R-158.	Older alluvium	* 7.8	Nov. 21, 1939	--	
R-159.	Older alluvium	--	--	D	
R-160.	Older alluvium	--	--	D	
R-161.	Older alluvium	--	--	I	
R-162.	Older alluvium	--	--	N	Reported information. Well covered and abandoned.
R-163.	Older alluvium	--	--	--	Well originally served as City water supply.
R-164.	Older alluvium	--	--	--	
R-165.	Older alluvium	--	--	--	
R-166.	Older alluvium	* 6.5	Nov. 21, 1939	I	
R-167.	Older alluvium	* 5.8	Nov. 21, 1939	I	
R-168.	Older alluvium	--	--	N	Abandoned.
R-169.	Older alluvium	* 2.8	Nov. 21, 1939	--	
R-170.	Older alluvium	--	--	--	
R-171.	Older alluvium	--	--	--	See log.
R-172.	Older alluvium	--	--	I	
R-173.	Older alluvium	* 3.7	Nov. 21, 1939	N	Abandoned.
R-174.	Older alluvium	* 4.9	Nov. 21, 1939	D,I	
R-175.	Older alluvium	* 1.0	Dec. 5, 1939	N	Abandoned.
R-176.	Older alluvium	--	--	I	
R-177.	Older alluvium	--	--	N	Reported information. Well covered by house and abandoned.
R-178.	Older alluvium	--	--	I	

See footnotes at end of table.

No.	Distance from Pecos	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well	Diameter of well (inches)	Method of Drilling
R-179.	In Pecos	Max Krauskoff	H. Yarbourh			300	6	W, F
R-180.	In Pecos	A. T. Windham	A. T. Windham	1890	<u>g</u> /2,580.1	150	4	F
R-181.	In Pecos	J. B. Heard	Joe Kraus		<u>g</u> /2,579.4	200	3	F
R-182.	In Pecos		H. Yarbourh		<u>g</u> /2,579.6	240	6	W, F
R-183.	In Pecos	T. Y. Moorehead	Simmonds		<u>g</u> /2,577.2	190	6	W, F
R-184.	In Pecos	Jess Fletcher	Joe Kraus		<u>g</u> /2,575.4	186	3	F
R-185.	In Pecos	Wm. Rossman	Lang Buchanan	1937	<u>h</u> /2,568.0	246	5	F
R-186.	In Pecos	H. Tourn			<u>g</u> /2,572.0		3	F
R-187.	In Pecos	J. H. Lawson	L. F. Buchanan	1933	<u>g</u> /2,578.4	250	5½	W, F
R-188.	In Pecos	Sol Pace			<u>g</u> /2,578.9	250	6	F
R-189.	In Pecos	Dorthy Roberson	H. Yarbourh		<u>g</u> /2,579.6	230	5½	F
R-190.	In Pecos	Marion Slack	Joe Kraus		<u>g</u> /2,579.5	200	3	F
R-191.	In Pecos	S. M. Prewit	J. D. McAdams	1914	<u>g</u> /2,580.2	250	6	W, F
R-192.	In Pecos	L. W. Anderson	L. F. Buchanan	1937	<u>g</u> /2,580.4	250	5½	P, F
R-193.	In Pecos	Bryant	Van Havis	1909	<u>g</u> /2,580.5	220	4	N
R-194.	In Pecos	L. A. Smith	Joe Kraus	1904	<u>g</u> /2,581.0	240	4	N
R-195.	In Pecos	Marion Slack	Simmonds	June 1933	<u>g</u> /2,581.8	240	5½	P, F
R-196.	In Pecos	O. Ligon	L. F. Buchanan		<u>g</u> /2,581.5		3	P, F
R-197.	In Pecos	H. C. Zimmer	W. L. King		<u>g</u> /2,584.4		6	U, F
R-198.	In Pecos	Orrin Green	Simmonds	1921	<u>g</u> /2,588.6	259	4	F
R-199.	In Pecos	Gibbson	Cas Morgan	1911	<u>g</u> /2,587.3	285	3	N
R-200.	In Pecos	J. W. Brooks	H. Yarbourh		<u>h</u> /2,593.0	196	6	F
R-201.	In Pecos	Camp and Camp	L. F. Buchanan	1930	<u>h</u> /2,594.0	500	5½	P
R-202.	In Pecos	Texas Hwy. Dept.	Grogan	1933	<u>h</u> /2,595.0	298	4	P
R-203.	In Pecos	B. T. Biggs est.	Capps		<u>h</u> /2,595.2	240	6	
R-204.	In Pecos	C. E. Armstrong	L. F. Buchanan	1925	<u>h</u> /2,594.5	185	6	P
R-205.	In Pecos	Hilliard Camp	Ben Capps	1910	<u>h</u> /2,594.2		4½	P, F

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)b/	Date of measurement		
R-179.	Older alluvium	--	--	I	
R-180.	Older alluvium	--	--	--	Abandoned.
R-181.	Older alluvium	* 3.9	Nov. 21, 1939	I	
R-182.	Older alluvium	--	--	N	Abandoned and covered.
R-183.	Older alluvium	--	--	I	
R-184.	Older alluvium	* 7.3	Nov. 22, 1939	I	
R-185.	--	* 12.5	Nov. 22, 1939	I	See analysis and water levels.
R-186.	Older alluvium	* 5.3	Nov. 22, 1939	D	
R-187.	Older alluvium	--	--	I	Also has electric motor.
R-188.	Older alluvium	--	--	N	
R-189.	Older alluvium	* 3.1	Nov. 22, 1939	I	
R-190.	Older alluvium	--	--	N	
R-191.	Older alluvium	--	--	I	
R-192.	Older alluvium	--	--	I	
R-193.	Older alluvium	--	--	N	Abandoned and covered.
R-194.	Older alluvium	--	--	N	Abandoned.
R-195.	Older alluvium	--	--	I	
R-196.	Older alluvium	--	--	I	
R-197.	Older alluvium	--	--	I	
R-198.	Older alluvium	--	--	N	
R-199.	Older alluvium	--	--	N	Abandoned.
R-200.	Older alluvium	* 1.5	Nov. 22, 1939	N	Water-stage recorder well.
R-201.	Older alluvium	--	--	I	No water encountered below 310 feet. Clay or shale from 310 to 500 feet.
R-202.	Older alluvium	0.9	Nov. 22, 1939	I	
R-203.	Older alluvium	--	--	N	Plugged and covered.
R-204.	Older alluvium	--	--	I	
R-205.	Older alluvium	* 0.2	Nov. 22, 1939	I	

See footnotes at end of table.

No.	Distance from Pecos	Owner or Name	Driller	Date Completed.	Altitude above sea Level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of a/
R-206.	In Pecos	R. C. Ramsey	N. Yarbourh	1905	$\underline{g}/2,589.0$	230	6	F
R-207.	In Pecos	R. D. Copeland			$\underline{g}/2,586.5$		3	F
R-208.	In Pecos	C. O. Finley	Tom Simmonds		$\underline{g}/2,588.4$	250	8	P, F
R-209.	In Pecos	Rudolph Hoofs	N. Yarbourh		$\underline{g}/2,584.3$		6	F
R-210.	In Pecos	Otho Ligon			$\underline{g}/2,583.6$			
R-211.	In Pecos	T. H. Beauchamp	Tom Simmonds	1931	$\underline{g}/2,584.7$	248	6	F
R-212.	In Pecos	M. Brown		old	$\underline{g}/2,584.7$		3	F
R-213.	In Pecos	Roberson and McKellar			$\underline{g}/2,582.6$			F
R-214.	In Pecos	Bill Kerr			$\underline{g}/2,582.2$			P, F
R-215.	In Pecos	John Camp			$\underline{g}/2,581.8$			W, F
R-216.	In Pecos	Jim Camp	L. F. Buchanan	1917	$\underline{g}/2,582.0$	245	6	W, F
R-217.	In Pecos.	Mrs. Lubby		old	$\underline{g}/2,581.2$			F
R-218.	In Pecos.	E. T. Collier			$\underline{g}/2,580.6$			P, F
R-219.	In Pecos.	Reeves County	Joe Kraus			200	6	N
R-220.	In Pecos	Reeves County	Tom Simmonds	1924		206	6	P, F
R-221.	In Pecos	W. F. Howard	L. F. Buchanan	1933		245	$5\frac{1}{2}$	P, F
R-222.	In Pecos	Swede Johnson	L. F. Buchanan	1937	$\underline{g}/2,581.6$	250	3	F
R-223.	In Pecos	J. H. Wilhite		1890	$\underline{g}/2,581.9$	270	3	W, F
R-224.	In Pecos	Mrs. Kerr			$\underline{g}/2,581.9$		4	F
R-225.	In Pecos	Young Bell	L. F. Buchanan	1932		300	6	P, F
R-226.	In Pecos	Hill Hudson	Tom Simmonds		$\underline{g}/2,582.6$		3	P, F
R-227.	In Pecos	Ralph Williams	L. F. Buchanan	1931		300	6	F
R-228.	In Pecos	W. E. Beckham	Van Havis	1911	$\underline{g}/2,583.6$	230	$5\frac{1}{2}$	P, F
R-229.	In Pecos	W. E. Bell			$\underline{g}/2,584.0$	230	3	P
R-230.	In Pecos	I. R. Titus			$\underline{g}/2,586.7$		3	F
R-231.	In Pecos	W. W. Doan	N. Yarbourh		$\underline{g}/2,585.5$	320	8	F
R-232.	In Pecos	H. P. Bryan	L. F. Buchanan			240	$5\frac{1}{4}$	F

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)h/	Date of measurement		
R-206.	Older alluvium	--	--	N	
R-207.	Older alluvium	--	--	--	
R-208.	Older alluvium	* 3.0	Nov. 22, 1939	I	
R-209.	Older alluvium	--	--	I	
R-210.	Older alluvium	* 3.6	Nov. 22, 1939	I	
R-211.	Older alluvium	* 3.0	Nov. 22, 1939	I	
R-212.	Older alluvium	0.0	Nov. 21, 1939	N	Abandoned. Not plugged.
R-213.	Older alluvium	* 3.6	Nov. 22, 1939	I	
R-214.	Older alluvium	--	--	I	
R-215.	Older alluvium	--	--	I	
R-216.	Older alluvium	--	--	I	
R-217.	Older alluvium	* 2.2	Nov. 22, 1939	I	
R-218.	Older alluvium	--	--	I	
R-219.	Older alluvium	--	--	N	Plugged and abandoned.
R-220.	Older alluvium	--	--	I	
R-221.	Older alluvium	--	--	I	
R-222.	Older alluvium	* 2.2	Nov. 24, 1939	I,D	
R-223.	Older alluvium	* 2.4	Nov. 24, 1939	I	
R-224.	Older alluvium	* 1.1	Nov. 24, 1939	N	
R-225.	Older alluvium	--	--	I	
R-226.	Older alluvium	* 2.0	Nov. 24, 1939	I	
R-227.	Older alluvium	--	--	N	
R-228.	Older alluvium	* 3.7	Nov. 24, 1939	I	
R-229.	Older alluvium	* 4.5	Nov. 24, 1939	I	
R-230.	Older alluvium	* 3.2	Nov. 24, 1939	I	
R-231.	Older alluvium	* 3.9	Nov. 24, 1939	I	
R-232.	Older alluvium	--	--	N	

See footnotes at end of table.



No.	Distance from Pecos	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well	Diameter of well (inches)	Method of lift
R-233.	In Pecos	Roy Wilcox	McLahan	1929			5	P
R-234.	In Pecos	L. A. Richards	L. F. Buchanan	1932		310	6	P
R-235.	In Pecos	Basil Hicks	Tom Simmonds	1910		240	5 $\frac{1}{2}$	F
R-236.	In Pecos	W. E. Poore	Joe McIlvain			240	5 $\frac{1}{2}$	F
R-237.	In Pecos	W. E. Poore	L. F. Buchanan	1911		258	5	F
R-238.	In Pecos	Morris Buckner					3	F
R-239.	In Pecos	B. T. Biggs	L. F. Buchanan	1936		285	6	W F
R-240.	In Pecos	Jim Camp	Tom Simmonds			240	4	W F
R-241.	In Pecos	Chas. Fitzgerald						P F
R-242.	In Pecos	Jim Prewit	L. F. Buchanan	1931		260	5 $\frac{1}{2}$	F
R-243.	In Pecos	Jim Prewit	Joe Kraus			245	3	N
R-244.	In Pecos	Jim Simmonds	L. F. Buchanan	1911		244	6	N
R-245.	In Pecos	Billie Prewit					5 $\frac{1}{2}$	W F
R-246.	In Pecos	T. J. Sisk	Tom Simmonds	1908		260	6	W F
R-247.	In Pecos	Hester	Tom Simmonds			301	6	W F
R-248.	In Pecos	John Correll					5 $\frac{1}{2}$	F
R-249.	In Pecos	Sutton	L. F. Buchanan			200	6	W F
R-250.	In Pecos	Collins			<u>g/2,584.1</u>		6	W F
R-251.	In Pecos	Mrs. Dresser					3	W F
R-252.	In Pecos							N
R-253.	In Pecos	L. F. Buchanan	L. F. Buchanan	1937	<u>g/2,578.9</u>	210	3	F
R-254.	In Pecos	Prewit	Tom Simmonds	1922		300	6	F
R-255.	In Pecos	Kesler				236	6	N
R-256.	In Pecos	B. T. Biggs	L. F. Buchanan				6	F
R-257.	In Pecos	Carl Eddins	Grogan	1917		300	6	F
R-258.	In Pecos	Files	Tom Simmonds	1923		240	7	
R-259.	In Pecos	M. A. Durdin				320	4	P T

See footnotes at end of table

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)h/	Date of measurement		
R-233.	Older alluvium	--	--	I	
R-234.	Older alluvium	--	--	I	
R-235.	Older alluvium	--	--	I	
R-236.	Older alluvium	--	--	I	
R-237.	Older alluvium	--	--	I	
R-238.	Older alluvium	--	--	N	
R-239.	Older alluvium	* 1.22	Apr. 15, 1940	N	Water level measured daily for 5 months.
R-240.	Older alluvium	--	--	I	
R-241.	Older alluvium	--	--	I	
R-242.	Older alluvium	--	--	I	
R-243.	Older alluvium	--	--	N	In middle of street. Covered.
R-244.	Older alluvium	--	--	N	
R-245.	Older alluvium	--	--	I	
R-246.	Older alluvium	--	--	I	
R-247.	Older alluvium	* 2.8	Nov. 15, 1939	I	
R-248.	Older alluvium	--	--	I	
R-249.	Older alluvium	* 0.6	Nov. 13, 1939	I	
R-250.	Older alluvium	* 3.1	Dec. 2, 1939	A	
R-251.	Older alluvium	--	--	I	
R-252.	Older alluvium	--	--	N	Abandoned and covered.
R-253.	Older alluvium	* 4.3	Dec. 2, 1939	I	
R-254.	Older alluvium	--	--	I	
R-255.	Older alluvium	--	--	N	Plugged and abandoned.
R-256.	Older alluvium	--	--	I	
R-257.	Older alluvium	--	--	I	
R-258.	Older alluvium	--	--	N	Abandoned. Leaking.
R-259.	Older alluvium	--	--	D,I	General dairy supply.

See footnotes at end of table.

No.	Distance from Pecos	Owner or Name	Driller	Date Completed.	Altitude above sea Level (feet)	Depth of Well (feet)	Diameter of Well (inches)	Method of Lift
R-260.	In Pecos	Lissie Morrison				300	5	F
R-261.	In Pecos	P. Payne	L. F. Buchanan			300	5 $\frac{1}{2}$	U F
R-262.	In Pecos	Bob Lewis	Clyde Simmonds		<u>e/2,579.1</u>	310	5 $\frac{1}{4}$	F
R-263.	In Pecos	Steve Ward	Hopper	1911		250	5 $\frac{1}{2}$	W F
R-264.	In Pecos	Buck Jackson	L. F. Buchanan	1912		260	5 $\frac{1}{2}$	P F
R-264a.	In Pecos	Jim Deakins	L. F. Buchanan	Apr. 1940		250	8	F
R-265.	1 mile south	Sam Prewit			2,579.73		6	F
R-266.	1 mile southeast	Jim Deakins		old	2,575.10		5	F
R-267.	In Pecos	Burford Oil and Refining Co.	Burford Oil and Refining Co.	1929	2,583.74	208	6	F
R-268.	In Pecos	A.T. & S.F. R.R. Co.						F
R-271.	1 $\frac{1}{2}$ miles east	S. M. Prewit	J. R. Simmonds	1917		440	6	N
R-272.	1 mile east	Reynolds estate	Clyde Simmonds			124	7	W
R-273.	2 $\frac{1}{4}$ miles east	S. M. Prewit					4 $\frac{1}{2}$	F
R-274.	3 $\frac{3}{4}$ miles east	Denver Perkins				66	5	W
R-275.	2 $\frac{3}{4}$ miles east	V. B. Mays				225	5 $\frac{1}{4}$	W
R-276.	2 $\frac{3}{4}$ miles east	V. B. Mays		old			8	N
R-277.	2 $\frac{3}{4}$ miles east	V. B. Mays		old			8	N
R-278.	1 $\frac{1}{4}$ miles southeast	Port Daggott		1940		114	5	W
R-279.	2 $\frac{1}{4}$ miles southwest	R. D. Copeland		old			6	P
R-280.	2 $\frac{1}{2}$ miles southwest	R. D. Copeland	T. J. Simmonds	June 1940	<u>e/2,608.0</u>	250	10	P
R-281.	3 miles southwest	W. A. Gardner	Tom Simmonds	1932	<u>e/2,616.0</u>	143	8	P
R-282.	3 miles southwest	A. R. Eppenaucr	L. F. Buchanan	1939		300	8	P
R-283.	3 $\frac{1}{2}$ miles southwest	J. M. Williams		old	<u>e/2,622.1</u>	240	8	P
R-284.	3 $\frac{1}{4}$ miles southwest	Elmer Wadloy		old	<u>e/2,622.0</u>	64		W
R-285.	3 $\frac{1}{2}$ miles southwest	M. L. Todd		1935		360		P
R-286.	4 miles southwest	Texas Hwy. Dept.			<u>e/2,646.0</u>	79	6	N
R-287.	3 $\frac{3}{4}$ miles west	B. G. Smith	L. F. Buchanan	June 1940		135	4	N

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet) <sup>b/</sup>	Date of measurement		
R-260.	Older alluvium	* 2.7	Dec. 23, 1939	D	Estimated flow 35 gallons a minute.
R-261.	Older alluvium	--	--	I	
R-262.	Older alluvium	* 3.7	Dec. 2, 1939	I	
R-263.	Older alluvium	--	--	--	
R-264.	Older alluvium	* 1.0	Dec. 2, 1939	D,I	
R-264a	Older alluvium	--	--	I	First flowing water in lense of crystalline gypsum in blue silty clay at 197 feet. See log.
R-265.	Older alluvium	* 5.4	Dec. 5, 1939	S	
R-266.	Older alluvium	* 5.5	Dec. 4, 1939	S	
R-267.	Older alluvium	* 6.6	Dec. 5, 1939	A	
R-268.	Older alluvium	--	--	S	
R-271.	--	14.4	Jan. 2, 1940	N	Prepared for observation well.
R-272.	--	7.6	Oct. 9, 1939	S	Drilled at site of old irrigation well.
R-273.	--	2.0	Dec. 5, 1939	S	
R-274.	--	8.0	Oct. 9, 1939	N	
R-275.	--	5.2	Oct. 9, 1939	S	
R-276.	--	3.0	Oct. 9, 1939	A	Old irrigation well. Casing badly broken and rusted.
R-277.	--	7.6	Oct. 9, 1939	A	Old irrigation well.
R-278.	--	8.4	June 27, 1940	S,D	
R-279.	Older alluvium	1.8	Aug. 19, 1940	I	
R-280.	Older alluvium	17.6	Aug. 19, 1940	I	First artesian water at 188 feet. See log.
R-281.	Older alluvium	26.2	Sept. 14, 1940	D,S,I	No. 28, i/. See log.
R-282.	Older alluvium	--	--	I	See log.
R-283.	Older alluvium	37.3	Sept. 12, 1940	I	
R-284.	--	32.5	Sept. 9, 1940	S	
R-285.	Older alluvium	19.5	Feb. 8, 1940	I	
R-286.	--	32.8	Nov. 16, 1939	N	
R-287.	Older alluvium	34.1	Nov. 14, 1939	S	See log.

See footnotes at end of table.

No.	Distance from Pecos	Owner or Name	Driller	Date Completed.	Altitude above sea level	Depth of well (feet)	Diameter of well (inches)	Method of lift
R-288.	4 miles west	B. G. Smith	Bill Oden	1912	e/2,647.0	212		P
R-289.	5 1/2 miles west	Bell and Reagan		1929	e/2,669.0	226	11	N
R-290.	6 3/4 miles west	Texas Hwy. Dept.		1938	e/2,688.5	97	6	W P
R-291.	7 1/2 miles southwest	Billie Prewit		old	e/2,680.0	107	5	W
R-292.	8 1/2 miles west	Texas Hwy. Dept.		old	e/2,712.5	153	6	N
R-293.	9 miles southwest	Billie Prewit	F. McDaniels	1938	e/2,715.9	105	4	W
R-294.	10 1/2 miles west	Billie Prewit	F. McDaniels	1938	e/2,763.5	137	5	W
R-295.	13 miles southwest	Billie Prewit				130	6	W
R-296.	14 3/4 miles west	W. H. Groves	May and Bitten Oil Company		f/2,827.	4,133		A
R-297.	16 miles southwest	W. R. Britt			e/2,827.0			W F
R-298.	17 1/2 miles west	C. V. T. Montgomery	Grisham and Hunter Oil Co.		f/2,891.	4,065.		A
R-299.	17 3/4 mile west	R. N. Burchard				60	8	W
R-300.	18 miles west	E. B. Daniel		1939	e/2,900.0	160	5	W
R-301.	19 miles west	Rogers and Tillar	Wilson and O'Hiel		f/2,908.	4,133		A
R-302.	19 1/2 miles west	W. H. Wright	Rita Oil Co.		f/2,961.			A
R-303.	22 1/2 miles west	C. H. Caldwell		old	c/3,159.0	91	6	W
R-304.	23 miles southwest	C. H. Caldwell		old	c/3,053.0	110	5	W
R-305.	24 1/2 miles southwest	E. L. Parker	Clyde Simmonds	Sept. 1940	c/3,112.0	88		W
R-306.	26 3/4 mile west	C. H. Caldwell	Hillo-Barnett Oil Company	1938	f/3,166.	350	10	W
R-307.	29 1/2 miles west	C. H. Caldwell		old	c/3,195.0	27	48	T
R-308.	26 1/2 miles west	T. A. Chooves	Texas Oil Co.	1912	f/3,174.	2,960		
R-309.	23 1/2 miles west	C. H. Caldwell						
R-310.	26 miles west	R. J. Burr						
R-311.	26 3/4 mile west	H. B. James						
R-312.	26 1/2 miles west	E. Bernsteino						
R-312a.	25 miles west	Tri-State Credit Men's Association						
R-312b.	23 1/2 miles west	E. Bernsteino						

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)b/	Date of measurement		
R-288.	Older alluvium	32.2	Nov. 16, 1939	D,I	No. 6, <u>i</u> /.
R-289.	Older alluvium	52.9	Oct. 2, 1939	N	Automatic water-stage recorder well.
R-290.	--	71.5	Dec. 21, 1939	I	
R-291.	--	66.1	Feb. 26, 1940	S	
R-292.	--	93.9	Nov. 16, 1939	N	
R-293.	--	96.9	Feb. 13, 1940	S	
R-294.	--	124.8	Dec. 15, 1939	S	
R-295.	--	--	--	S	
R-296.	Rustler	--	--	A	Oil test. See log.
R-297.	Rustler?	--	--	S	Flowing. "Sulphur" water.
R-298.	Older alluvium	--	--	A	Oil test. Flowing water from 3 horizons in Older alluvium. See log.
R-299.	Younger alluvium	30.7	Mar. 13, 1940	D,S	Small yield. Drawdown over 100 feet when pumping less than 10 gallons a minute.
R-300.	Cretaceous?	26.9	Feb. 13, 1940	--	
R-301.	--	--	--	A	Oil test.
R-302.	Rustler	--	--	A	Oil test. Flowing water also reported from Castile formation.
R-303.	--	63.1	Sept. 20, 1940	S	
R-304.	--	87.7	Sept. 20, 1940	S	Known as Humphrey well.
R-305.	Cretaceous	71.6	Sept. 20, 1940	S	See log.
R-306.	Cretaceous?	81.6	Sept. 20, 1940	S	Oil test. Plugged back for water well.
R-307.	Younger alluvium	17.3	Sept. 21, 1940	S	Dug well.
R-308.	--	--	--	--	Oil test.
R-309.	--	--	--	S	Liege Spring. Estimated yield: 10 gallons a minute.
R-310.	--	--	--	S	Petican Spring. Estimated yield: 35 gallons a minute.
R-311.	--	--	--	S	Torez Spring. Estimated yield: 2 gallons a minute.
R-312.	--	--	--	S	Burnt Spring. Estimated yield: 25 gallons a minute.
R-312a.	--	--	--	S	Canyon Spring. Estimated yield: 6 gallons a minute.
R-312b.	--	--	--	S	Twin Spring. Estimated yield: 10 gallons a minute.

See footnotes at end of table.

No.	Distance from Pecos	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of Lift
R-312c	22 <sup>3</sup> / <sub>4</sub> mile west	A. B. Burchard						
R-313.	30 <sup>1</sup> / <sub>2</sub> miles west	C. M. Caldwell		old	e/3,301.0	40	6	W
R-314.	32 miles west	A. B. Tinmin		old	e/3,281.0	31	5	W
R-315.	32 <sup>1</sup> / <sub>2</sub> miles west	Geo. Daniel	Grisham-Hunter Oil Co.	1932	f/3,360.	4,653		A
R-317.	31 <sup>1</sup> / <sub>2</sub> miles west	Geo. Daniel		new				W
R-318.	34 miles southwest	Geo. Daniel	Deep Rock Oil Company		f/3,481.	4,010		A
R-321.	26 <sup>3</sup> / <sub>4</sub> mile southwest	C. M. Caldwell		old	e/3,166.0	106		W
R-322.	22 <sup>1</sup> / <sub>2</sub> miles southwest	W. D. Johnson		old	e/3,019.0	125	5	W
R-323.	21 <sup>3</sup> / <sub>4</sub> mile southwest	W. D. Johnson				66	14	W
R-324.	20 <sup>1</sup> / <sub>2</sub> miles southwest	W. D. Johnson		old		75		N
R-325.	19 <sup>1</sup> / <sub>2</sub> miles southwest	R. L. Parker				68	7	W
R-326.	19 miles southwest	W. R. Britt				55	5	W
R-327.	In Toyah	Trav Humphrey					6	W
R-328.	In Toyah	Wm. Daniels				127	8	W
R-329.	In Toyah	C. C. Cargill				80	8	W
R-330.	In Toyah	A. B. Burchard	Lynn			160		W
R-331.	In Toyah	C. A. Ruhrup					6	
R-332.	In Toyah	J. H. Humphreys				90	6	W
R-333.	In Toyah	J. Q. Adams				45	6	W
R-334.	In Toyah	Torry Downs				61	6	W
R-335.	In Toyah	Joe Duncan				29	8	W
R-336.	In Toyah	Bob Walker				31	48	W
R-337.	In Toyah	E. B. Daniels		1918		135	5	P
R-338.	In Toyah	Reeves County	Ross	1908		813	10	F
R-339.	In Toyah	A. H. Bruce				51	5	W
R-340.	In Toyah	Bob Parker				40	5	W
R-341.	In Toyah	Pablo Martinez				50	5	W

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet) <sup>b/</sup>	Date of measurement		
R-312c.	--	--	--	S	Johnson Spring. Estimated yield: 6 gallons a minute.
R-313. Younger alluvium	16.8	May 28, 1940	S	Well may have gone through alluvium into Cretaceous rocks.	
R-314. Younger alluvium	27.8	Sept. 21, 1940	S	Well may have gone through alluvium into Cretaceous rocks.	
R-315. Cretaceous	--	--	A	Oil test.	
R-317.	--	--	S		
R-318.	--	--	A	Oil test.	
R-321.	--	83.6 Sept. 20, 1940	D,S	Headquarters well.	
R-322.	--	79.1 Apr. 17, 1940	S		
R-323. Younger alluvium	55.7	Apr. 17, 1940	S		
R-324. Younger alluvium	58.2	Apr. 17, 1940	N	Dug well.	
R-325. Younger alluvium	22.9	Apr. 17, 1940	S		
R-326. Younger alluvium	44.2	Apr. 17, 1940	S		
R-327. Younger alluvium	37.3	Oct. 21, 1940	S		
R-328. Younger alluvium	25.1	Nov. 16, 1939	--		
R-329. Younger alluvium	32.0	Nov. 16, 1939	--		
R-330. Younger alluvium	20.1	Nov. 16, 1939	--		
R-331. Younger alluvium	--	--	I		
R-332. Younger alluvium	20.4	Nov. 15, 1939	N		
R-333. Younger alluvium	21.0	Nov. 15, 1939	I		
R-334. Younger alluvium	36.5	Nov. 15, 1939	S		
R-335. Younger alluvium	23.7	Nov. 15, 1939	I		
R-336. Younger alluvium	22.8	Nov. 15, 1939	--	Dug well.	
R-337. Younger alluvium	--	--	I		
R-338. Older alluvium	*70.0	Dec. 15, 1939	I	Well at High School.	
R-339. Younger alluvium	33.0	Nov. 16, 1939	--		
R-340. Younger alluvium	36.7	Nov. 16, 1939	I		
R-341. Younger alluvium	25.8	Nov. 15, 1939	--		

See footnotes at end of table.



No.	Distance from Toyah	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of Lift
R-342.	In Toyah	Joe Caldwell				310	8	W
R-343.	In Toyah	A. W. Hosie				310	8	W
R-344.	In Toyah	Pablo Rontoria				50	6	W
R-345.	In Toyah	P. R. Bitolas				32		
R-346.	In Toyah	Mario Talmantez				29		W
R-347.	In Toyah	T. & P. R. R. Co.		1882		832	6	F
R-348.	In Toyah	G. A. Pierson					6	W
R-349.	In Toyah	E. B. Daniels	Owen Wilson			700	4	W

No.	Distance from Pecos	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)		
R-355.	15 miles southwest	S. M. Prewit	Clyde Simmonds	Sept. 1940	e/2,776.5	120	5	W
R-357.	17 $\frac{1}{2}$ miles southwest	S. M. Prewit				148	6	W
R-358.	14 $\frac{3}{4}$ mile southwest	S. M. Prewit	Clyde Simmonds	Sept. 1940	e/2,729.5	116	6	W
R-359.	13 $\frac{1}{2}$ miles southwest	C. O. Finley		old	e/2,729.0	82		W
R-360.	11 $\frac{3}{4}$ mile southwest	Billie Prewit		old		130	6	W
R-361.	9 $\frac{1}{2}$ miles southwest	Billie Prewit	F. McDaniels	1938	e/2,632.0	78	4	W
R-362.	8 $\frac{3}{4}$ mile southwest	Elmer Wadley		old	e/2,665.6	84		W
R-363.	11 $\frac{3}{4}$ mile southwest	Billie Prewit		old	e/2,676.0	42	8	W
R-364.	12 $\frac{1}{2}$ miles southwest	Barnowsky	Tom Simmonds	July 1940	e/2,690.0	217	6	N
R-365.	13 $\frac{1}{2}$ miles southwest	Billie Prewit	F. McDaniels	Mar. 1938	e/2,636.0	65	4	W
R-366.	14 miles southwest	Carrie Eisenwine						P
R-367.	13 miles south	S. M. Prewit	Tom Simmonds	Mar. 1939	e/2,666.5	400	12	P
R-368.	12 $\frac{1}{2}$ miles south	S. M. Prewit and Billie Prewit	L. F. Buchanan	1925	e/2,531.0	300	5	W
R-369.	12 miles south	S. M. and Billie Prewit	Tom Simmonds	1939	e/2,662.2	130	8	W
R-370.	12 $\frac{1}{2}$ miles south	R. R. Youngblood	W. J. King	1915		120	18	P

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet) b/	Date of measurement		
R-342	--	--	--	I	Dug and drilled well.
R-343	--	80.0	--	I	Water level reported.
R-344	Younger alluvium	27.1	Nov. 15, 1939	--	
R-345	Younger alluvium	27.0	Nov. 15, 1939	D	Dug well.
R-346	Younger alluvium	26.1	Nov. 15, 1939	D	Dug well.
R-347	Older alluvium	*70.+	Dec. 15, 1939	I	Well at railroad depot.
R-348	--	--	--	N	
R-349	--	18.0	--	S	Water level reported.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet) b/	Date of measurement		
R-355	--	107.7	Sept. 14, 1940	S	
R-357	--	136.9	July 31, 1940	S	
R-358	--	46.4	Sept. 14, 1940	S	
R-359	--	65.9	Oct. 3, 1939	D,S	
R-360	--	87.7	Feb. 26, 1940	S	
R-361	--	62.5	Feb. 26, 1940	S	
R-362	--	42.5	Feb. 26, 1940	S	
R-363	--	25.3	July 31, 1940	S	
R-364	--	49.3	Sept. 14, 1940	N	See log.
R-365	--	32.1	July 31, 1940	S	
R-366	--	22.6	Feb. 10, 1940	S	Dug and drilled well. Formerly used for irrigation.
R-367	--	8.6	Feb. 19, 1940	I	See log.
R-368	--	5.8	Nov. 22, 1940	D,S,I	
R-369	--	6.6	Sept. 12, 1940	S	
R-370	Older alluvium	15.8	Mar. 11, 1940	I	Drawdown 16 feet after 5 hours pumping approx. 1,500 gallons a minute.

See footnotes at end of table.

No.	Distance from Pecos	Owner or Name	Driller	Date Com-plot-cd.	Altitude above sea level (foot)	Depth of Well (feet)	Diameter of well (inches)	Method of a/
R-371.	12 $\frac{1}{2}$ miles south	R. R. Youngblood	L. F. Buchanan	1928		89	5	W
R-372.	12 $\frac{1}{2}$ miles southwest	J. F. Sudbrock	W. J. King	1917		165	10	P
R-373.	12 $\frac{1}{2}$ miles southwest	J. H. Sudbrock	Tom Simmonds	May 1940	c/2,673.5	137	15	P
R-374.	12 miles south	W. E. Beckham				20	5	W
R-375.	12 miles south	W. E. Beckham	Sidney Hughes	Mar. 1940		105	6	W
R-376.	11 $\frac{3}{4}$ mile south	W. E. Beckham	Grogan	1918		135	10	P
R-377.	11 $\frac{3}{4}$ mile south	W. E. Beckham	Sidney Hughes	Apr. 1940	c/2,667.5	90	6	W
R-378.	11 miles south	John Wendt	John Wendt	1918		195	12	P
R-379.	10 $\frac{3}{4}$ mile south	John Wendt				70	8	W
R-380.	10 $\frac{1}{2}$ miles south	S. H. Prowit		1910	c/2,634.5		48	N
R-381.	10 $\frac{1}{2}$ miles south	S. H. Prowit		1910	c/2,646.0	125	7	W
R-382.	9 $\frac{1}{2}$ miles south	Elmer Wadley			c/2,648.5	33		W
R-383.	6 $\frac{3}{4}$ miles south	Elmer Wadley			c/2,640.5	34		N
R-384.	5 $\frac{1}{2}$ miles south	Balmorhea Livestock Co.			c/2,624.5	96	36	W
R-385.	4 $\frac{3}{4}$ miles southwest	Balmorhea Livestock Co.	Humble Oil and Refining Co.		f/2,632.	4,916		A
R-386.	4 miles south	Tatum Eisenwine			2,595.99			F
R-387.	4 miles south	Tatum Eisenwine					6	F
R-388.	4 miles south	Tatum Eisenwine					6	F
R-389.	4 $\frac{1}{2}$ miles south	Tatum Eisenwine					6	F
R-390.	4 $\frac{1}{2}$ miles south	J. W. Watson			2,584.4			F
R-391.	4 $\frac{1}{2}$ miles south	Tatum Eisenwine					6	N
R-392.	4 $\frac{1}{2}$ miles south	J. W. Watson					6	F
R-393.	5 $\frac{1}{2}$ miles south	Day Monroe and Balmorhea Lsk. Co.			2,606.			F
R-394.	2 $\frac{3}{4}$ mile southeast	Frank Joplin		1900	2,574.06	220	5	N
R-395.	2 $\frac{3}{4}$ mile southeast	Onnie Moorehead		1930		80	8	W
R-396.	4 miles southeast	J. W. Watson		old	2,589.86	106	7	N
R-397.	5 $\frac{3}{4}$ mile east	Carl Johnson				60	60	W

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet) <sup>b/</sup>	Date of measurement		
R-371.	Older alluvium	16.0	Feb. 8, 1940	--	
R-372.	Older alluvium	17.8	Feb. 10, 1940	D,S,I	Reported no water below 125 feet.
R-373.	Older alluvium	23.4	Sept. 23, 1940	I	See log.
R-374.	--	15.1	Apr. 15, 1940	I,D	
R-375.	Older alluvium	14.4	Mar. 23, 1940	I,D	
R-376.	Older alluvium	--	--	I	
R-377.	Older alluvium	12.5	Apr. 15, 1940	S	See log.
R-378.	Older alluvium	17.0	--	I	Water level reported. See log.
R-379.	--	15.6	Feb. 10, 1940	S	Dug and drilled well.
R-380.	--	12.3	Jan. 13, 1940	N	Dug well.
R-381.	--	13.5	Jan. 13, 1940	S	Dug and drilled well.
R-382.	--	15.6	Aug. 19, 1940	S	
R-383.	--	25.4	Feb. 5, 1940	N	
R-384.	--	19.9	Jan. 13, 1940	S	Dug well.
R-385.	Rustler	--	--	A	Cil test.
R-386.	Older alluvium	* 0.5	Jan. 12, 1940	S	
R-387.	Older alluvium	--	--	N	Automatic water-stage recorder installed July 17, 1940.
R-388.	Older alluvium	--	--	N	
R-389.	Older alluvium	--	--	N	
R-390.	Older alluvium	* 7.1	Jan. 12, 1940	S	
R-391.	--	--	--	N	
R-392.	--	--	--	N	
R-393.	--	--	--	S	Irving Springs.
R-394.	--	5.2	Jan. 12, 1940	N	
R-395.	--	3.8	Oct. 9, 1939	S	
R-396.	--	20.8	Feb. 19, 1940	N	
R-397.	Older alluvium	34.4	Oct. 10, 1940	S	Known as China Bear well.

See footnotes at end of table.

No.	Distance from Pecos	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of Well (inches)	Method of Lift
R-398.	8 $\frac{1}{2}$ miles east	Louis Roberson	Clyde Simmonds	Oct. 1939	2,561.92	105	6	W
R-399.	8 $\frac{1}{2}$ miles east	Louis Roberson						W
R-400.	8 $\frac{1}{2}$ miles east	R. D. Irion		1900		30	6	W
R-401.	8 $\frac{1}{2}$ miles east	R. D. Irion	Tom Simmonds	1935		140	10	P
R-402.	8 $\frac{1}{2}$ miles east	R. D. Irion		1900	<u>e</u> /2,580.8	45	6	W
R-403.	6 miles southeast	H. L. Perkins	Roy Johnson	Apr. 1940	2,589.34			F
R-404.	7 miles south	Port Daggett		old			5	F
R-405.	6 $\frac{3}{4}$ mile south	Port Daggett					6	F
R-406.	7 $\frac{3}{4}$ mile south	S. M. Prowit	Earl Fisher	Feb. 1940	<u>e</u> /2,601.5	163	6	W
R-407.	8 $\frac{1}{2}$ miles south	S. M. Prowit		1900	aprox. <u>e</u> /2,609.5	74	8	W
R-408.	11 miles south	S. M. Prowit	Earl Fisher	Jan. 1940		71	6	W
R-409.	9 $\frac{3}{4}$ mile south	S. M. Prowit		Oct. 1939		125	5	W
R-410.	10 $\frac{3}{4}$ mile south	S. M. Prowit		old	<u>e</u> /2,619.5	1,200	10	W
R-411.	8 $\frac{3}{4}$ mile south	Billie Prowit	Forest Dev. Co.	1939	<u>f</u> /2,603.	1,360		F
R-412.	9 $\frac{1}{2}$ miles south	Port Daggett		old	<u>e</u> /2,587.		9	F
R-413.	10 $\frac{1}{2}$ miles south	Port Daggett		1913	<u>e</u> /2,623.0	74	10	W
R-414.	10 $\frac{1}{2}$ miles south	Port Daggett		1913	<u>e</u> /2,621.5	180	10	P
R-415.	9 $\frac{1}{2}$ miles southwest	Port Daggett			<u>e</u> /2,617.5		5	W
R-416.	8 miles southeast	S. H. Boyer			2,586.			F
R-417.	9 $\frac{1}{2}$ miles southeast	Port Daggett			<u>e</u> /2,631.5	88	6	W
R-418.	10 miles southeast	R. D. Irion	Tom Simmonds	1937	<u>e</u> /2,652.5	125	6	W
R-419.	9 $\frac{1}{2}$ miles southeast	Pecos City	Tom Simmonds	Apr. 1933	<u>e</u> /2,630.0	187	10	P
R-420.	9 $\frac{1}{2}$ miles southeast	Pecos City	Tom Simmonds	1935	<u>e</u> /2,630.0	211	10	P
R-421.	9 $\frac{1}{2}$ miles southeast	Pecos City	Tom Simmonds	1935	<u>e</u> /2,630.0	300	10	P
R-422.	9 $\frac{3}{4}$ mile southeast	R. D. Irion	Tom Simmonds	Aug. 1940	<u>e</u> /2,623.9	111	6	W
R-423.	10 miles east	H. F. Anthony		old	<u>e</u> /2,557.0			W
R-424.	10 $\frac{1}{2}$ miles east	E. M. Williams Estate	Hubert Oil Co.		<u>f</u> /2,536.	5,004		A

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	
		Below land surface (feet) b/	Date of measurement		
R-398.	Older alluvium	22.0	Mar. 5, 1940	S	
R-399.	Older alluvium	25.2	Mar. 5, 1940	--	
R-400.	--	30.7	Mar. 5, 1940	N	
R-401.	Older alluvium	25.	--	I	Water level reported.
R-402.	--	33.9	Mar. 5, 1940	D,S	
R-403.	Rustler	--	--	N	Oil test.
R-404.	Older alluvium	--	--	S	
R-405.	Older alluvium	--	--	--	Well flows wild into pond and sinks.
R-406.	--	25.9	Feb. 19, 1940	S	See log.
R-407.	--	15.3	Jan. 13, 1940	S	
R-408.	Sand	--	--	S	See log.
R-409.	--	4.2	Oct. 22, 1939	S	See log.
R-410.	--	10.2	May 20, 1940	S	See log.
R-411.	Rustler	--	--	S	Oil company core test, now used for watering stock.
R-412.	Older alluvium	--	--	S	Flow estimated at 10 gallons a minute.
R-413.	--	31.2	Jan. 16, 1940	S,D	
R-414.	--	30	Jan. 16, 1940	I	Yield 810 gallons a minute. Tank measurement.
R-415.	--	20.8	Jan. 16, 1940	S	
R-416.	--	--	--	N	Buck Springs. Estimated flow 5 gallons a minute.
R-417.	Triassic	63.9	Oct. 26, 1940	S	
R-418.	Triassic	75.9	Mar. 5, 1940	S	
R-419.	Triassic sandstone	87.8	Oct. 10, 1940	--	Yield 300 gallons a minute. See log.
R-420.	Triassic sandstone	--	--	--	Known as No. 2 well. See log.
R-421.	Triassic sandstone	--	--	PS	Known as No. 3 well. See log.
R-422.	Triassic sandstone	68.2	Sept. 10, 1940	S	
R-423.	--	--	--	S	
R-424.	Delaware Mountain	--	--	A	Oil test.

See footnotes at end of table.

No.	Distance from Pecos	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of a/
R-425.	13 miles east	H. F. Anthony		1919	e/2,551.0	50	6	W
R-426.	13½ miles east	H. F. Anthony	Earl Fisher	Dec. 1939	e/2,554.0	80	6	W
R-427.	14 miles southeast	H. F. Anthony		old	e/2,651.5	86	4	W
R-429.	16 miles east	Onnie Moorehead		old				W
R-430.	18 miles east	S. E. Ligon				101	5	
R-431.	21½ miles east	S. E. Ligon	S. E. Ligon			43	7	W
R-432.	20 miles east	S. E. Ligon	S. E. Ligon	1915		180	6	W
R-433.	22½ miles east	Eddins estate	S. E. Ligon	1913		44		W
R-435.	23½ miles east	J. C. Trees						W
R-436.	22 miles east	J. C. Trees			e/2,504.0	69	6	W
R-437.	21½ miles east	J. C. Trees				1,400	14	F
R-438.	22 miles southeast	H. F. Anthony			e/2,579.0	80	5	W
R-439.	22 miles southeast	Anthony and Tubbs	L. F. Buchanan	Sept. 1940	e/2,579.0	86	6	W
R-440.	20¾ mile southeast	H. F. Anthony		old	e/2,600.0	120	10	W
R-441.	18¾ mile southeast	T. McIlvain						W
R-442.	17½ miles southeast	Van D. Havis		1903		210	4	W
R-443.	15 miles southeast	Anthony and Tubbs	Tom Simmonds	1937		160	6	W
R-444.	14½ miles southeast	Port Daggett			e/2,662.0	151	4	W
R-445.	10½ miles southeast	Port Daggett			e/2,604.5	60	6	W
R-446.	12½ miles southeast	Port Daggett	Forest Dev. Co.	1939	e/2,648.0	910	4	N
R-447.	17 miles southeast	A. A. Eddins		old	e/2,665.0	124	4	N
R-448.	19½ miles southeast	A. A. Eddins	D. R. Thompson		f/2,721.	5,664		A
R-449.	19½ miles southeast	A. A. Eddins				154	3	N
R-451.	23 miles southeast	Eddins estate			e/2,604.5	98	5	W
R-452.	22½ miles southeast	Eddins estate			e/2,627.0	96	8	W
R-453.	20¾ mile southeast	C. M. Hall		old	e/2,676.0	137		W
R-454.	18½ miles southeast	Eddins estate			e/2,689.0	145	6	W

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet) b/	Date of measurement		
R-425.	Triassic?	36.1	Dec. 17, 1939	S	
R-426.	Triassic	39.7	Dec. 20, 1939	S	No water above 60 feet. See log.
R-427.	Triassic	70.8	May 5, 1940	S	
R-429.	Triassic	--	--	D,S	
R-430.	Triassic	76.6	July 23, 1940	S	Red sand on terrace. Triassic rock near surface.
R-431.	--	26.7	July 23, 1940	S	Water reported in gravel on top of "Red beds".
R-432.	--	37.0	--	D,S	
R-433.	Triassic	27.1	July 24, 1940	S	
R-435.	--	--	--	S	
R-436.	--	49.9	July 23, 1940	D,S	A shallow perched water reported at 34 feet.
R-437.	Rustler	--	--	S,I	Flows about 50 gallons a minute.
R-438.	--	65.2	July 24, 1940	S	East well of two wells.
R-439.	--	64.1	Oct. 5, 1940	S	West well of two wells. See log.
R-440.	--	111.6	July 24, 1940	S	
R-441.	Triassic	--	--	S	
R-442.	Triassic	--	--	D,S	Well drilled by Grogan for Pecos City about $\frac{1}{4}$ mile north. Now dry.
R-443.	--	--	--	D,S	Struck water at 140 feet.
R-444.	--	95.7	Jan. 16, 1940	S	Two wells.
R-445.	Triassic	38.8	Jan. 16, 1940	S	Known as X-well.
R-446.	Rustler	2.7	Oct. 7, 1939	N	Forest Development Company core test.
R-447.	Triassic	97.4	Jan. 16, 1940	N	Old windmill tower over this well.
R-448.	Rustler	--	--	A	Flow reported as 2,500 bailers per hour.
R-449.	Triassic	129.6	Mar. 5, 1940	N	
R-451.	--	66.4	Mar. 7, 1940	S	
R-452.	--	70.8	Mar. 7, 1940	S	
R-453.	--	120.6	May 31, 1940	S	
R-454.	--	107.2	Jan. 16, 1940	S	

See footnotes at end of table.



No.	Distance From Recos	Owner	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of Well (inches)	Method of Lift
R-455.	18 $\frac{1}{2}$ miles southeast	Eddins estate		old	e/2,687.5	129	5	N
R-456.	14 $\frac{3}{4}$ mile southeast	Port Daggett				83	8	W
R-457.	16 miles southeast	H. H. Hokey	L. F. Buchanan	June 1939		420		A
R-458.	16 $\frac{1}{2}$ miles south	North Texas Farms		Old		60		W
R-459.	13 $\frac{1}{2}$ miles south	Port Daggett		Old				W
R-460.	14 miles south	Carrie Eisenwine		1930	e/2,620.0	60	10	W
R-461.	16 $\frac{3}{4}$ mile south	H. T. Collier	Joe Kraus	1900	e/2,699.0	38	6	W
R-462.	16 miles south	A. R. Eppenauer						P
R-463.	16 $\frac{1}{2}$ miles south	A. R. Eppenauer						P
R-463a.	16 $\frac{1}{2}$ miles south	A. R. Eppenauer		old		39		N
R-464.	16 miles south	A. R. Eppenauer					7	W
R-465.	16 miles south	A. R. Eppenauer				2,000	13	P
R-468.	18 miles south	Carrie Eisenwine			e/2,747.0	78	8	W
R-469.	17 $\frac{3}{4}$ mile southwest	J. L. Moore		1900		43	24	N
R-470.	17 miles southwest	Carrie Eisenwine		old		100	8	W
R-471.	17 $\frac{1}{2}$ miles southwest	J. L. Moore		old			6	N
R-472.	15 $\frac{3}{4}$ mile southwest	S. H. Prowit				35	8	W
R-473.	17 $\frac{1}{2}$ miles southwest	S. H. Prowit				122	6	W
R-474.	19 $\frac{1}{2}$ miles southwest	S. H. Prowit				181	6	W
R-475.	22 miles southwest	E. S. Martin				70	8	W
R-476.	23 $\frac{1}{2}$ miles southwest	Carrie Eisenwine		Old		149	8	W
R-478.	25 $\frac{3}{4}$ mile southwest	W. D. Johnson		Old				W
R-479.	29 miles southwest	W. D. Johnson		Old		159	8	W
R-480.	29 miles southwest	W. D. Johnson		Old		184	4	W
R-481.	36 miles southeast	Geo. Daniel	Ramsay et al.			2,667		A
R-482.	36 $\frac{1}{2}$ miles southwest	W. A. Adams	Deep Rock Oil Company		f/3,737.	3,892		A

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet) <sub>b/</sub>	Date of measurement		
R-455.	--	105.3	Jan. 16, 1940	N	
R-456.	Triassic	61.2	Jan. 17, 1940	S	Known as Draw well.
R-457.	Triassic	--	--	A	Oil test. Water sample from 158 feet. See log.
R-458.	Basal Cretaceous	44.9	Aug. 21, 1940	S	
R-459.	Basal Cretaceous	--	--	S	
R-460.	Younger alluvium	17.7	Feb. 19, 1940	D,S	
R-461.	Younger alluvium	34.3	Aug. 20, 1940	D,S	
R-462.	--	17.3	Nov. 15, 1940	I	Known as No. 1 well.
R-463.	--	19.2	Nov. 15, 1940	I	Known as No 2 well.
R-463a	--	23.6	Nov. 15, 1940	--	Fifty feet west of R-463.
R-464.	--	14.7	Nov. 15, 1940	S	
R-465.	Older alluvium	--	--	I	Plugged back to 500 feet. Known as No. 3 well. See log.
R-468.	--	47.0	Mar. 11, 1940	S	Formerly used for irrigation.
R-469.	--	29.0	July 30, 1940	N	Formerly used for irrigation.
R-470.	--	37.2	Oct. 2, 1940	S	
R-471.	--	33.3	July 30, 1940	N	
R-472.	--	28.8	July 31, 1940	S	
R-473.	--	100.3	July 31, 1940	S	
R-474.	--	176.5	July 31, 1940	S	
R-475.	--	49.2	May 29, 1940	N	Unused. Old stock well.
R-476.	--	46.6	May 29, 1940	N	Unused. Old stock well.
R-478.	--	--	--	--	
R-479.	--	147.1	May 29, 1940	S	West well of two wells.
R-480.	--	178.8	May 29, 1940	S	East well of two wells.
R-481.	--	--	--	A	Oil test.
R-482.	--	--	--	A	Oil test.

See footnotes at end of table.

No.	Distance from Saragosa	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of Well (inches)	Height of Well (feet)
R-483.	22 miles west	Ligon Bros.		1938		530		W
R-484.	21 miles west	Ligon Bros.		1937		700		W
R-489.	7 <sup>3</sup> / <sub>4</sub> miles northwest	W. D. Johnson			e/3,026.5	43	6	W
R-490.	4 <sup>1</sup> / <sub>2</sub> miles northwest	J. L. Moore		old	e/2,952.0	158	7	W
R-491.	2 <sup>3</sup> / <sub>4</sub> miles northwest	J. L. Moore		old	e/2,959.0	158	6	W
R-492.	6 <sup>1</sup> / <sub>2</sub> miles northwest	J. L. Moore		1910		187	24	N
R-493.	9 miles northwest	Verhalen Nursery Company			e/2,801.0	54	6	W
R-494.	7 <sup>1</sup> / <sub>2</sub> miles northeast	W. T. Church					6	F
R-495.	7 <sup>3</sup> / <sub>4</sub> miles northeast	J. Youngblood				10	4	F
R-496.	7 <sup>1</sup> / <sub>2</sub> miles northeast	W. T. Church						F
R-497.	8 miles east	Davis and Weinacht				67	5	W
R-498.	10 <sup>1</sup> / <sub>2</sub> miles east	Rudolph Hoefs		old		100		W
R-499.	11 miles east	H. T. Collier				69	8	W
R-500.	10 miles northeast	Rudolph Hoefs		old		108		W
R-501.	12 <sup>1</sup> / <sub>4</sub> miles northeast	H. T. Collier				39	6	W
R-502.	12 miles east	H. T. Collier		old		107	8	W
R-503.	13 <sup>3</sup> / <sub>4</sub> mile northeast	Barilla Farms		Dec. 1939		200	6	W
R-504.	13 <sup>1</sup> / <sub>2</sub> miles east	H. T. Collier				110	5	W
R-505.	15 <sup>3</sup> / <sub>4</sub> mile east	Barilla Farms		1929	f/2,784.	1,525	12	F
R-506.	15 <sup>3</sup> / <sub>4</sub> mile east	Barilla Farms	Southern Crude Oil Company	1931	f/2,784.	5,216	12	F
R-507.	15 <sup>3</sup> / <sub>4</sub> mile east	Barilla Farms	R. P. Morrison	1936	h/2,789.	1,400	8	F
R-508.	15 <sup>3</sup> / <sub>4</sub> mile east	Barilla Farms	R. P. Morrison	1937	h/2,795.	1,405	12	F
R-509.	15 <sup>3</sup> / <sub>4</sub> mile east	Barilla Farms	R. P. Morrison	1939	h/2,789.	460	12	P
R-510.	16 miles east	Barilla Farms			f/2,784.	160	6	N
R-511.	16 miles northeast	Barilla Farms				110	6	W
R-512.	17 miles east	Port Daggott				87	5	W
R-513.	16 <sup>3</sup> / <sub>4</sub> mile east	H. T. Collier		old		106		W

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water	Remarks
		Below land surface (feet) <sup>b</sup>	Date of measurement		
R-483.	Cretaceous	--	--	D,S	Well at Davis Mountain Service Station.
R-484.	Cretaceous	200.+	Oct. 3, 1939	S	
R-489.	Younger alluvium	21.8	July 31, 1940	S	
R-490.	--	151.2	July 30, 1940	S	
R-491.	--	140.6	July 30, 1940	N	
R-492.	--	60.6	July 30, 1940	N	Formerly used for irrigation.
R-493.	--	23.8	Mar. 11, 1940	D	
R-494.	Rustler?	--	--	N	Well abandoned.
R-495.	Rustler?	--	--	N	Estimated flow of "sulphur" water 25 gallons a minute.
R-496.	Rustler?	--	--	N	"Sulphur" water springs. Estimated yield 30 gallons a minute.
R-497.	--	56.0	Apr. 18, 1940	S	
R-498.	--	71.3	Aug. 20, 1940	S	
R-499.	--	60.5	Aug. 20, 1940	S	
R-500.	--	47.5	Aug. 20, 1940	S	
R-501.	--	26.4	Aug. 20, 1940	S	
R-502.	--	86.4	Aug. 20, 1940	S	
R-503.	--	67.9	Aug. 21, 1940	S	
R-504.	--	88.1	Aug. 20, 1940	S	
R-505.	Rustler	--	--	I	Reported to be under pressure of 57 pounds per square inch.
R-506.	Rustler	--	--	--	Oil test now used as water well.
R-507.	Rustler	--	--	I	Started flowing at 1,280 feet. Yield 475 gallons a minute. See
R-508.	Rustler	--	--	I	Flow of about 10 to 15 log <sub>10</sub> gallons a minute.
R-509.	Cretaceous?	58.7	Aug. 21, 1940	I	Reported yield 1,400 gallons a minute. Unused.
R-510.	--	54.1	Aug. 21, 1940	N	
R-511.	--	67.4	Aug. 21, 1940	S	
R-512.	--	82.0	Jan. 17, 1940	S	Measured while pumping.
R-513.	--	97.1	Aug. 21, 1940	S	

See footnotes at end of table.

No.	Distance from Saragosa	Owner or Name	Driller	Date Completed	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of a/c
R-514.	18 <sup>3</sup> / <sub>4</sub> mile east	Port Daggett				153	5	W
R-515.	18 <sup>1</sup> / <sub>2</sub> miles east	H. T. Collier		old		140	10	W
R-516.	20 <sup>3</sup> / <sub>4</sub> mile east	E. G. Reynolds	Grisham-Hunter Oil Co.		f/2,756	5,227	8	F
R-517.	22 miles northeast	Port Daggett				86	8	W
R-519.	22 miles northeast	J. R. Wilson				81	8	N
R-520.	24 <sup>1</sup> / <sub>2</sub> miles east	Port Daggett		old		98	7	W
R-521.	27 miles east	W. W. Courtney				102	6	W
R-522.	21 <sup>3</sup> / <sub>4</sub> mile east	W. W. Courtney				119	4	W
R-523.	23 <sup>1</sup> / <sub>2</sub> miles east	J. R. Wilson		1918		130	6	W
R-524.	21 <sup>1</sup> / <sub>2</sub> miles east	E. G. Bowles		old		117		W
R-525.	21 <sup>3</sup> / <sub>4</sub> mile east	E. G. Bowles	R. R. Penn		f/2,793.	5,615		F
R-526.	19 <sup>1</sup> / <sub>2</sub> miles east	C. E. Criswell		old		130		N
R-527.	18 <sup>3</sup> / <sub>4</sub> mile east	C. E. Criswell	Bon Bickley	1938		160	6	W
R-528.	14 <sup>1</sup> / <sub>2</sub> miles east	H. T. Collier		old		130	6	W
R-529.	13 <sup>3</sup> / <sub>4</sub> mile east	Balmorhea Lsk.Co.				140	6	W
R-530.	14 <sup>1</sup> / <sub>2</sub> miles east	Popham Ld. and Cattle Company				187		W
R-531.	12 miles east	Balmorhea Lsk.Co.		old		181	6	W
R-532.	13 <sup>3</sup> / <sub>4</sub> mile east	Rudolph Hoofs		old		200		W
R-533.	12 <sup>3</sup> / <sub>4</sub> mile east	Rudolph Hoofs	L. F. Buchanan	Mar. 1940		200	6	W
R-534.	10 <sup>1</sup> / <sub>2</sub> miles east	Rudolph Hoofs	L. F. Buchanan	Apr. 1940		310	6	W
R-535.	7 <sup>3</sup> / <sub>4</sub> mile east	Davis and Weinsacht				128	4	W
R-537.	6 <sup>3</sup> / <sub>4</sub> miles southeast	Davis and Weinsacht		old		141	6	W
R-538.	6 miles east	Davis and Weinsacht		now		119	6	W
R-539.	6 miles east	H. G. Wirt	El Paso-Saragosa Oil Company			485		W
R-540.	2 <sup>1</sup> / <sub>2</sub> miles northeast	T. & P. R. R. Company	Jake Portervant		c/2,906.0	200	14	W
R-541.	At Saragosa.	Wynn Hamilton	E. D. Eaton	July 1940	c/2,978.0	155	5	P
R-542.	At Saragosa	Sol Mayer		1922	c/2,975.0	165	10	W

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet) b/	Date of measurement		
R-514.	--	90.8	Jan. 17, 1940	S	Known as Hollowbeak well.
R-515.	--	115.8	Aug. 21, 1940	S	Measured while pumping.
R-516.	Rustler	--	--	S	Oil test. Two wells. No. 1. is 3,930 feet deep.
R-517.	--	75.0	Jan. 17, 1940	S	South well of two wells.
R-519.	--	75.1	Jan. 17, 1940	N	
R-520.	--	87.5	Mar. 1, 1940	S	
R-521.	--	95.8	Mar. 1, 1940	S	
R-522.	--	90.8	Sept. 5, 1940	S	
R-523.	--	88.0	Sept. 4, 1940	S	
R-524.	--	105.0	Sept. 4, 1940	D,S,I	
R-525.	Rustler	--	--	I,S	Oil test. Completed as water well.
R-526.	--	116.9	Sept. 5, 1940	N	
R-527.	Younger alluvium	113.0	Sept. 5, 1940	S	
R-528.	--	--	--	S	Old well 20 feet west.
R-529.	--	29.1	Aug. 20, 1940	S	Water level and depth measured in unused well 50 feet south.
R-530.	--	149.0	Aug. 20, 1940	S	
R-531.	--	159.1	Aug. 20, 1940	S	Two wells 50 feet apart.
R-532.	--	--	--	S	
R-533.	Cretaceous	--	--	S	See log.
R-534.	Cretaceous	--	--	D,S	See log.
R-535.	--	101.1	Apr. 18, 1940	S	
R-537.	--	108.0	July 30, 1940	S	
R-538.	Cretaceous	74.6	July 30, 1940	S	
R-539.	--	--	--	--	Oil test.
R-540.	--	77.8	Mar. 11, 1940	S	
R-541.	Younger alluvium	130.6	Aug. 19, 1940	--	See log.
R-542.	Younger alluvium	134.2	Apr. 18, 1940	S,D	

See footnotes at end of table.

No.	Distance from Saragosa	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth to Water (feet)	Diameter of well (inches)	Method of Casing
R-543.	At Saragosa	Sol Hayer		1922	c/2,968.0	142	5	W
R-544.	At Saragosa	Sol Hayer		1922	c/2,995.0	184	5	W
R-545.	At Saragosa	Saragosa School		old	c/2,996.0	160		W
R-546.	2 miles east	C. V. Cox	L. J. Pulley	Sept. 1940	c/2,996.0	108	6	W
R-547.	2 miles east	C. H. Honaker	Gene Watkins	Sept. 1940		111	4	W
R-548.	2 1/2 miles southeast	L. A. Weinacht	Cox	1939		148	6	W
R-549.	2 3/4 miles southeast	J. H. Fowler		1930	c/2,958.0	107	6	W
R-550.	5 1/2 miles southeast	Popham Land and Cattle Co.	Forest Development Company	1938	f/2,967.0	1,434		A
R-551.	3 1/2 miles southwest	Sol Hayer	Hughes	Sept. 1940	c/3,050.0	212	6	W
R-552.	3 1/2 miles southwest	State of Texas			c/3,104.0	220	6	W
R-553.	3 1/2 miles southwest	R. O. Salters	W. W. Hollis	Aug. 1940	c/3,071.5	84	8	A
R-554.	In Balmorhea							
R-555.	In Balmorhea	W. E. Gould		1908		36		W
R-556.	In Balmorhea	O. M. Hodges		old		40	10	W
R-557.	In Balmorhea	W. E. Gould		old	c/3,151.0	60	72	W
R-558.	In Balmorhea	W. E. Gould	Norfloet	1930	c/3,135.0	58	6	P
R-559.	In Balmorhea	W. E. Gould	Norfloet	1930	c/3,135.0	53	6	M
R-560.	In Balmorhea	W. E. Gould		1930	c/3,135.0	60	6	P
R-561.	In Balmorhea	W. E. Gould			c/3,135.0	56	6	N
R-562.	In Balmorhea							
R-563.	In Balmorhea	Carlos E. Payne	Sidney Hughes	Nov. 1940		40	6	W
R-564.	In Balmorhea	J. B. Coffey	E. T. Watkins	Oct. 1940		34	7	W
R-565.	In Balmorhea	Hal Sprague	B. A. Shupe	May 1940		54	7	W
R-566.								
R-567.								

No.	Principal water-bearing formation	WATER LEVEL		Use of Water e/	Remarks
		Belcw land surface (feet)b/	Date of measurement		
R-543.	Younger alluvium	125.6	Apr. 18, 1940	D,S	
R-544.	Younger alluvium	157.7	Apr. 18, 1940	D	Water reported in gravel below limestone (caliche?) bed. See log.
R-545.	Younger alluvium	137.6	Aug. 19, 1940	D	
R-546.	Younger alluvium	91.8	Sept. 24, 1940	D,S	See log.
R-547.	Younger alluvium	93.1	Oct. 2, 1940	S	
R-548.	--	--	--	D	Well reported dry on August 19, 1940.
R-549.	--	101.7	Aug. 19, 1940	D,S	Water reported on top of rock. (Caliche?).
R-550.	Basal Cretaceous	--	--	A	Forest Development Company core test. 570 feet volcanic gravel.
R-551.	Younger alluvium	192.7	Sept. 25, 1940	D,S	See log.
R-552.	--	--	--	S	
R-553.	Younger alluvium	81.8	Aug. 19, 1940	A	Caved and abandoned. See log.
R-554.	--	--	--	--	Sandia Springs.
R-555.	--	9.9	Sept. 11, 1940	N	Dug well.
R-556.	--	32.1	Sept. 7, 1940	D,S	
R-557.	--	35.4	Sept. 7, 1940	S	
R-558.	--	33.5	Sept. 11, 1940	PS	Balmorhea city water supply. See log.
R-559.	--	33.5	Sept. 11, 1940	N	Unused.
R-560.	--	39.2	Sept. 11, 1940	PS	Balmorhea city water supply pumping on this date about 600 gallons per hour
R-561.	--	32.6	Sept. 11, 1940	N	Unused.
R-562.	--	--	--	--	Saragosa Springs.
R-563.	Younger alluvium	13.8	Nov. 2, 1940	D,S	See log.
R-564.	Younger alluvium	14.4	Nov. 2, 1940	D,S	Bailer test 40 gallons a minute. See log.
R-565.	Younger alluvium	10.0	May 27, 1940	D,S	See log.
R-566.	--	--	--	--	Giffin Springs.
R-567.	--	--	--	--	San Solomon Springs.

See footnotes at end of table.



No.	Distance from Saragosa	Owner or Name	Driller	Date Completed.	Altitude above sea level (foot)	Depth of Well (foot)	Diameter of well (inches)	Method of lift
R-576.	9 $\frac{1}{2}$ miles west	C. Splittgarber		old		33	6	W
R-577.	9 $\frac{1}{2}$ miles west	W. D. Johnson		old	c/3,396.5	300+	7	W
R-578.	10 $\frac{1}{2}$ miles west	C. Splittgarber		old		12	36	W
R-579.	10 $\frac{1}{2}$ miles west	C. Splittgarber						F
R-580.	10 $\frac{1}{2}$ miles west	W. D. Johnson		1927		271	7	W
R-581.	10 miles southwest							
R-582.	11 $\frac{1}{2}$ miles southwest	C. Weinacht	E. T. Watkins	Dec. 1940				
R-583.	11 $\frac{1}{2}$ miles southwest	C. Weinacht						
R-584.	10 $\frac{1}{2}$ miles southwest	Balmorhea Land and Cattle Co.				23		W
R-585.	10 $\frac{1}{2}$ miles southwest	T. & P. R. R. Co.				16		W
R-586.	10 $\frac{1}{2}$ miles southwest	Joe Odell		1939		23		H
R-587.	13 miles south	Popham Land and Cattle Co.	Ohio Oil Co.	1939	c/3,623.	5,985		A

FOOTNOTES

For Wells in Reeves County

- a/ N,-none. W,-windmill. P,-power lift. F,-flowing. H,-handlift.
- b/ Figures preceded with an asterisk (\*) represent water levels above land surface. All others are below land surface.
- c/ N,-unused, S,-stock. D,-domestic. I,-irrigation. PS,-public supply. A,-abandoned.
- d/ Located in Culberson County.
- e/ Elevation by aneroid barometer.
- f/ Elevation from oil company well log.
- g/ Elevation from contour map.
- h/ Elevation interpolated.
- i/ Records by S.S. Nye and V. M. Rupp--1930-1933. Mimeographed report.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)b/	Date of measurement		
R-576.	--	23.0	Nov. 2, 1940	S	Drilled and dug well.
R-577.	--	34.3	Sept. 17, 1940	S	
R-578.	--	3.1	Nov. 2, 1940	S	Dug well.
R-579.	--	--	--	S	Spring. Estimated yield 15 gallons a minute.
R-580.	--	233.4	Sept. 7, 1940	D,S	Two wells. Measurements on south well.
R-581.	--	--	--	--	Phantom Lake Spring.
R-582.	Cretaceous	--	--	--	Well being drilled.
R-583.	Tertiary Volcanics	--	--	--	Weinacht Spring. Issues at base of volcanics.
R-584.	--	17.5	Oct. 4, 1940	D,S	
R-585.	--	9.9	Oct. 4, 1940	N	Probably filled. Originally a spring.
R-586.	--	23.8	Oct. 4, 1940	N	
R-587.	Delaware Mountain	--	--	A	Flowing. "Sulphur" water.

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Records of Wells and Springs in Pecos County, Texas  
(All wells are drilled unless otherwise noted under remarks)

No.	Distance from Fort Stockton	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of lift
P-1.	31 miles north	E. T. Brandenburg		old		47	9	W
P-2.	31½ miles north	E. T. Brandenburg	R. A. Charlsworth		f/2,447.0	2,350		
P-3.	31½ miles north	J. T. Metterville	Tex-Mex Oil Co.		f/2,461.0	2,400		
P-4.	29½ miles north	H. L. Cordz	Hoss and Downey		f/2,433.0	2,044		
P-6.	28 miles north	S. A. Williams	Tex-Mex Oil Co.		f/2,457.0	2,345		
P-7.	27 miles north	J. J. Dorr	Marland Oil Co.		f/2,448.0	2,409		
P-8.	26½ miles north	H. Tipton	Wm. V. Penn		f/2,479.0	2,425		A
P-9.	26 miles north	Allen Tipton				40		
P-10.	28½ miles north	J. C. Trees	Trees Oil Co.		f/2,641.0	2,309		A
P-11.	29 miles north	J. C. Trees	Trees Oil Co.		f/2,476.0	2,982		A
P-12.	26¼ miles north	H. Tipton						
P-13.	26¼ miles north	J. C. Trees	Bendum and Trees Oil Company		f/2,555.0	3,502		A
P-14.	26 miles north	Jim Broyels	Jim Broyels			192		W
P-15.	29½ miles north	J. C. Trees				80	10	W
P-16.	29 miles northwest	W. R. Reed				104		W
P-17.	28 miles northwest	R. M. Reed				110		N
P-18.	27½ miles northwest	R. M. Reed	Tom Simmonds	1930		100		W
P-19.	27 miles northwest	P. D. Colville	K. Yarborough			105		W
P-20.	26 miles northwest	E. L. Davis	T. Wilcox	1905		138		W
P-21.	25¼ miles northwest	C. M. Hall	T. Wilcox	1903		125	8	W
P-22.	26½ miles northwest	W. W. Courtney		old		85	8	W
P-23.	24½ miles northwest	W. W. Courtney	Scott and McLung	1907		139	6	W
P-24.	23¼ miles northwest	John Potts	Holman				10	W
P-25.	24 miles northwest	D. J. Sibley	E. C. Brown	Mar. 1940		107	5	W
P-26.	22½ miles northwest	A. LeFevre	Geo. H. Anderson		f/2,517.0	2,037		A

See footnotes at end of table.

Records of Wells and Springs in Pecos County, Texas  
(All wells are drilled unless otherwise noted under remarks)

No.	Principal water bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)	Date of measurement		
P- 1.	Younger alluvium	34.1	June 7, 1940	S	
P- 2.	Rustler	--	--	--	Oil test. See log.
P- 3.	--	--	--	--	Oil test. See log.
P- 4.	Rustler	--	--	--	Oil test. No flowing water.
P- 6.	Red Beds	--	--	--	Oil test. No water in Rustler
P- 7.	Rustler	--	--	--	Oil test. No flowing water. See log.
P- 8.	Delaware Mountain	--	--	A	Oil test. Estimated flow, 30,000 barrels daily of "Sulphur" water. See log.
P- 9.	Basal Cretaceous	11.5	June 7, 1940	--	See log.
P-10.	Rustler	--	--	A	Oil test. Flowing. See log.
P-11.	Delaware Mountain	--	--	A	Oil test. Flowing. "Sulphur" water See log.
P-12.	Basal Cretaceous	--	--	--	Santa Rosa Springs.
P-13.	Delaware Mountain	--	--	A	Strong flow. "Sulphur" water. See log.
P-14.	--	--	--	S	
P-15.	--	47.5	Mar. 7, 1940	S	
P-16.	Younger Alluvium	78.8	May 31, 1940	S	
P-17.	Younger alluvium	85.9	Mar. 7, 1940	N	
P-18.	Younger alluvium	70.3	Mar. 7, 1940	D,S	
P-19.	Younger alluvium	90.8	Mar. 23, 1940	S	
P-20.	Younger alluvium	104.2	Mar. 7, 1940	S	
P-21.	Younger alluvium	112.5	Mar. 7, 1940	D,S	
P-22.	Younger alluvium	73.7	Mar. 1, 1940	S	
P-23.	--	--	--	S	
P-24.	--	--	--	S	
P-25.	Younger alluvium	98.9	May 31, 1940	S	
P-26.	Rustler	--	--	A	Oil test. No flowing water. See log.

See footnotes at end of table.

No.	Distance from Fort Stockton	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of Well (inches)	Direction of Well
P-27.	21½ miles north	H. E. Bonebrake	Bhnan and Rhodes		f/2,517.0	2,230		A
P-28.	24 miles north	J. J. Dorr	Rector Oil Co.		f/2,469.0	2,000		A
P-29.	24 miles north	J. C. Trees	Atlantic, Trees et al.		f/2,489.0	1,927		A
P-30.	25¼ miles north	R. Levy	Plymouth Oil Co.					A
P-31.	25 miles north	Scharff and Blackman	Rowan and Tong		f/2,433.0	2,215		A
P-32.	25¼ miles north	Scharff and Blackman	Kimbarlin		f/2,402.0	2,160		A
P-33.	23¼ miles north	J. W. McMillen	Perrin Oil Co.		f/2,440.0	2,300	13	A
P-34.	27½ miles northeast	M. H. McFrancis	J. B. Spikes		f/2,388.0	2,359		A
P-35.	29 miles north	Pecos County	M. H. Black	Oct. 1940		62	12	N
P-37.	31 miles northeast	F. A. Knapp	G. T. Abell			2,503		A
P-38.	32 ¼ miles northeast	F. G. Baldwin	G. T. Abell	1939	f/2,372.0	2,500		A
P-39.	31 miles northeast	J. R. McKee	Magnolia Oil Co.	1938		5,310		
P-40.	30 miles northeast	V. W. Crockett	Taubert, McKee and Siemoneit	1940		80	7	P
P-42.	28½ miles northeast	S. Rheinstrom	Humble-Kirby Oil Co.		f/2,351.0	2,375		A
P-43.	26¼ miles northeast	H. J. Eaton	U. S. Mexican Trust	1910		1,415	5	F
P-46.	24 miles northeast	E. C. Powell		old		18		W
P-47.	24 miles northeast	E. C. Powell		old		20		W
P-51.	18½ miles north	Iowa Trust Co.	Western Development Company			1,130		A
P-52.	15¼ miles north	J. W. Bennett		Jan. 1940		202	8	W
P-53.	20 miles north	H. L. Bonebrake	H. L. Dibble et al.		f/2,568.0	2,004		A
P-54.	19½ miles north	H. E. Bonebrake						
P-55.	16 miles northwest	A. H. Roberson	Humble Oil Co.		f/2,793.0	5,368		A
P-56.	18 miles northwest	A. Kloh	World Oil Co.		f/2,810.0	3,105		A
P-57.	19 miles northwest	T. S. Talley				192	6	W
P-58.	18 miles northwest	John Odom				231		W
P-59.	21¼ miles northwest	John Odom	Blake Shupe	Mar. 1940		218	5	W
P-60.	24 miles northwest	W. W. Courtney		old		205	6	N

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)	Date of measurement		
P-27.	Delaware Mountain	--	--	A	Oil test. No flowing water.
F-28.	Rustler	--	--	A	Oil test. Flowing.
P-29.	Rustler and Delaware Mountain	--	--	A	Flowing. "Sulphur" water from both the Rustler and Delaware Mountain formations. See log.
P-30.	Rustler	--	--	A	Oil test. Flowing.
P-31.	Delaware Mountain	--	--	A	Oil test. Flowing. "Sulphur" water.
P-32.	Delaware Mountain	--	--	A	Oil test. Flowing. "Sulphur" water.
F-33.	--	38.6	Oct. 13, 1940	A	Oil test.
F-34.	--	--	--	A	Oil test. No flowing water. See log.
F-35.	Younger alluvium	11.0	Oct. 30, 1940	N	Well drilled at Community house.
P-37.	--	--	--	A	Oil test.
F-38.	--	--	--	A	Oil test.
P-39.	--	--	--	--	Oil test.
P-40.	Younger alluvium	7.7	Aug. 25, 1940	--	Water encountered at 2,800 feet under high artesian pressure in nearby oil test.
P-42.	Delaware Mountain	--	--	A	Flowing. See log.
P-43.	Rustler	--	--	S	Oil test.
F-46.	Younger alluvium	13.6	Aug. 26, 1940	S	
P-47.	Younger alluvium	14.0	Aug. 26, 1940	S	
P-51.	Rustler	--	--	A	Oil test. "Fresh" water from Rustler formation rose to within 37 feet of surface
P-52.	--	--	--	S	ported from 60 to 80 feet.
P-53.	Rustler	--	--	A	Oil test. No flowing water.
F-54.	Cretaceous	--	--	S, I	Monument Springs.
F-55.	--	--	--	A	Oil test. See log.
F-56.	Cretaceous	--	--	A	Oil test. No flowing water. See log.
P-57.	--	166.6	Mar. 8, 1940	S	
P-58.	--	215.2	Mar. 8, 1940	S	
P-59.	--	138.0	Mar. 8, 1940	S	
P-60.	Basal Cretaceous	102.8	Mar. 1, 1940	N	South well of two wells.

See footnotes at end of table.

No.	Distance from Fort Stockton	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of Well (inches)	Method of Drilling
P-61.	24 miles northwest	W. W. Courtney				207	5	W
P-62.	25 $\frac{1}{4}$ miles northwest	W. W. Courtney		old		95	5	W
P-63.	25 $\frac{1}{2}$ miles northwest	W. W. Courtney		old		92	6	W
P-64.	25 $\frac{1}{2}$ miles northwest	H. D. Mendel		old		139		W
P-65.	26 $\frac{1}{4}$ miles northwest	C. E. Criswell		old		198		N
P-66.	26 miles northwest	C. E. Criswell	Bill Holden	1935		170	7	W
P-67.	25 miles west	C. E. Criswell		old		187		N
P-68.	25 miles west	C. E. Criswell	Ben Peckley	1939		180	6	W
P-69.	26 miles west	C. M. Caldwell	Trans-Texas Oil Company	1933	f/2,996.0	1,374	14	N
P-70.	26 miles west	C. M. Caldwell	Trans-Texas Oil Company	1933	f/2,996.0	5,280	14	F
P-71.	25 miles west	C. A. Dixon		old		200	6	W
P-72.	24 miles west	W. H. Moore		old		213		W
P-73.	23 $\frac{1}{2}$ miles west	H. D. Mendel		old		200	8	W
P-74.	19 miles northwest	G. H. Cats				203		W
P-75.	18 $\frac{1}{2}$ miles northwest	T. S. Talley				193	6	W
P-76.	16 $\frac{1}{2}$ miles northwest	M. C. Mendel				156	4	W
P-77.	15 $\frac{1}{2}$ miles northwest	M. C. Mendel				277		
P-80.	11 $\frac{1}{2}$ miles north	J. W. Bennett		Jan. 1940		288	5	W
P-81.	13 $\frac{1}{2}$ miles north	J. W. Bennett	E. C. Brown	1938		452	8	W
P-82.	13 miles north	San Pedro Land Co.		old		169		W
P-83.	12 miles north	San Pedro Land Co.	N. E. Johnson	Apr. 1940		1,364	10	F
P-84.	14 miles northeast	W. W. Turney	Trans-Pecos Oil Co.	old		2,835		F
P-85.	14 $\frac{1}{4}$ miles northeast	H. Johnson	Trans-Pecos Oil Co.	old		2,997		F
P-88.	24 $\frac{1}{2}$ miles northeast	J. W. Garner		1939		101		W
P-88a.	24 $\frac{1}{2}$ miles northeast	J. W. Garner		old		105		W
P-90.	27 $\frac{1}{4}$ miles northeast	J. W. Garner				65	8	N
P-91.	27 $\frac{1}{2}$ miles northeast	J. W. Garner		1940		358	7	W

See footnotes at end of table.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)	Date of measurement		
F-61.	--	101.3	Mar. 1, 1940	S	
P-62.	Younger alluvium	66.0	Mar. 1, 1940	S	North well of two wells.
P-63.	Younger alluvium	70.0	Mar. 1, 1940	S	South well of two wells.
P-64.	--	125.8	Sept. 5, 1940	S	
P-65.	--	121.7	Sept. 5, 1940	N	
P-66.	Younger alluvium	101.0	Sept. 5, 1940	S,D	
F-67.	--	128.3	Sept. 6, 1940	N	
F-68.	Younger alluvium	138.1	Sept. 6, 1940	--	
F-69.	Rustler	1.5	Sept. 6, 1940	I	Formerly flowed about 40 to 50 gallons a minute.
F-70.	Rustler	--	--	I,S	Oil test. Flowing. Estimated flow 15,000 to 20,000 barrels a day when drilled. See log.
F-71.	--	166.5	Sept. 6, 1940	S,D	
P-72.	--	184.5	Sept. 6, 1940	S	
F-73.	--	--	--	S	
F-74.	--	168.5	Mar. 8, 1940	S	
P-75.	--	152.2	Mar. 8, 1940	S	
P-76.	--	135.2	Mar. 8, 1940	S	
P-77.	--	252.9	Mar. 8, 1940	S	
P-80.	--	--	--	S	
F-81.	--	30.0	Nov. 7, 1940	S	Water level reported.
F-82.	Cretaceous	119.5	June 6, 1940	S	
F-83.	Rustler	--	--	I	Acidizing increased the flow from 45 to 120 gallons a minute. See log.
F-84.	--	--	--	S	Three wells flow from 2 to 3 second feet. "Sulphur" water.
F-85.	--	--	--	S	Flows about 4 second feet. "Sulphur" water.
P-86.	--	60.7	June 6, 1940	S,D	Uncased well.
F-88.	--	55.0	June 6, 1940	S	Uncased well.
F-90.	--	62.2	June 6, 1940	N	
F-91.	Alluvium	36.3	June 6, 1940	S	Depth to top of "Red Beds" about 300 feet.

See footnotes at end of table.



No.	Distance from Fort Stockton	Owner or Name	Driller	Date Completed.	Altitude above sea level (feet)	Depth of Well (feet)	Diameter of well (inches)	Method of a/
P-92.	28 miles northeast	J. W. Garner				100		W
P-98.	24 $\frac{1}{2}$ miles northeast	J. W. Garner				100		W
P-101.	21 miles northeast	J. W. Garner		old		170		W
P-102.	17 miles northeast	A. C. Hoover				150		W
P-103.	9 miles northeast	H. D. Ward		1940		181		W
P-104.	5 $\frac{1}{4}$ miles northeast	T. L. Robinson						
P-105.	7 miles northeast	San Pedro Land Company						
P-107.	8 miles north	Potts and Sibley						
P-108.	In Fort Stockton							
P-109.	8 miles west	Webb Farms	L. T. Graham	1939	f/3,071.0	1,550	10	F
P-110.	9 miles west	Webb Farms		1940				F
P-111.	10 $\frac{1}{2}$ miles west	C. L. Thompson	Humble Oil Co.		f/3,100.0	3,575		
P-112.	9 $\frac{1}{2}$ miles west	C. L. Thompaon	Humble Oil Co.		f/3,061.0	427		
P-113.	8 $\frac{1}{2}$ miles west	Webb Farms						
P-115.	6 $\frac{1}{2}$ miles west	Webb Farms	Lockhart Oil Co.		f/2,977.0	3,300		F
P-119.	30 $\frac{1}{4}$ miles west	H. G. Hershenson	John Droppleman		f/3,354.0	3,805		A
P-120.	31 $\frac{1}{2}$ miles west	H. G. Hershenson	Dixie Oil Co.		f/3,382.0	5,354		A
P-121.	35 $\frac{1}{4}$ miles west	Popham Land and Cattle Company	Floyd-Dodson		f/2,407.0	5,337		A
F-122.	23 miles west	Gray	Humble Oil and Refining Co.		f/3,592.0	6,238		A

FOOTNOTES

For Wells in Pecos County

- a/ N,-none. W,-windmill. P,-power lift. F,-flowing. H,-handlift.
- c/ N,-unused, S,-stock. D,-domestic. I,-irrigation. PS,-public supply.
- A,-abandoned
- f/ Elevation from oil company well log.

No.	Principal water-bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)	Date of measurement		
P- 92.	--	44.6	June 6, 1940	S	
P- 98.	--	60.0	Mar. 18, 1940	S	Water level reported.
P-101.	--	120.0	Mar. 18, 1940	S	Water level reported.
P-102.	--	--	--	S	
P-103.	Cretaceous	68.8	June 6, 1940	S	
P-104.	Cretaceous	--	--	S	Cold Springs.
P-105.	--	--	--	I	San Pedro Springs.
P-107.	--	--	--	S	Spring.
P-108.	--	--	--	I	Comanche Springs.
P-109.	Rustler	--	--	I	Yield increased from 3 second feet to 5.5 second feet by acidizing.
P-110.	--	--	--	--	
P-111.	Rustler	--	--	--	Oil test.
P-112.	Cretaceous	--	--	--	Oil test.
P-113.	Cretaceous	--	--	I	Leon Springs.
P-115.	Rustler	--	--	I	Oil test. Flowing. See log.
P-119.	Cretaceous	--	--	A	Oil test. No flowing water.
P-120.	Cretaceous	--	--	A	Oil test. No flowing water.
P-121.	--	--	--	A	Oil test. No flowing water.
P-122.	--	--	--	A	Oil test. No flowing water.

Records of Wells in Crane County, Texas

(All wells are drilled unless otherwise noted under remarks)

No.	Distance from Crane	Owner or Name	Driller	Date completed	Altitude above sea level (feet)	Depth of well (feet)	Diameter of well (inches)	Method of lift
C-2.	26 $\frac{1}{4}$ miles northwest	Charles Edwards	Gulf Production Company	1933	f/2,649	120	10	P
C-110.	26 $\frac{1}{4}$ miles southwest	River bed	Michaelson, Talbot-Roxana		f/2,400	2,012		
C-111.	23 $\frac{1}{2}$ miles west	George Treauror	Lockhart and Co.	1928		2,149		
C-115.	19 miles west	T.C.Earnsley		old				
C-120.	15 miles west	Barnsley estate	Moore Bros.	1937	f/2,472	6,829		
C-140.	15 miles southwest	Cowden Bros.	C.C.Duffey	1930	f/2,367	3,907		
C-141.	14 $\frac{1}{2}$ miles southwest	J.M.Cowden				31		
C-155.	10 miles west	J.M.Cowden	Duffey Bros.	1926	f/2,438	3,260		
C-160.	3 $\frac{1}{4}$ miles northwest	Texas-New Mexico Pipeline Company		old		273		
C-165.	3 $\frac{1}{4}$ miles northeast	J.T.McElroy	Gulf Production Company			2,920		
C-170.	4 miles south	J.M.Cowden	Penn-Texas, Divel Co.	1926	f/2,586	3,358		
C-180.	13 $\frac{1}{2}$ miles southwest	Cowden Bros.	Dobbs Oil Co.	1935	f/2,320	2,343		

FOOTNOTES

For wells in Crane County, Texas

a/ N,-none. W,-windmill. P,-power lift. H,-handlift.

c/ N,-unused, S,-stock. D,-domestic. I,-irrigation. PS,-public supply. RR,-railroad. A,-abandoned, Ind,-industrial

e/ Elevation by aneroid barometer.

f/ Elevation from oil company well log.

g/ Elevation from contour map.

Records of Wells and Springs in Crane County, Texas  
 (All wells are drilled unless otherwise noted under remarks)

No.	Principal water bearing formation	WATER LEVEL		Use of Water c/	Remarks
		Below land surface (feet)	Date of measurement		
C- 2.	--	--	--	Ind	Pumped 10 barrels in 1 hour test. See log.
C-110.	--	--	--	--	Oil test. See log.
C-111.	--	--	--	--	Oil test.
C-115.	Alluvium	18.4	Oct. 1, 1940	D,S	
C-120.	--	--	--	--	Oil test. See log.
C-140.	--	--	--	--	Oil test.
C-141.	Alluvium	22.3	Oct. 1, 1940	S	
C-155.	--	--	--	--	Oil test.
C-160.	--	--	--	N	
C-165.	--	--	--	--	Oil well.
C-170.	--	--	--	--	Oil test.
C-180.	--	--	--	--	Oil test. See log.

W E L L L O G S

Ward County

Well W-1. (A. T. Knapp, 13 miles northwest of Barstow.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Alluvium-Continued:		
Topsoil	1	1	Gravelly light-red clay	21	45
Caliche clay and scattering calcareous gravels	11	12	Gypsiferous reddish-buff clay and angular gravels up to $\frac{1}{2}$ -inch diameter	53	98
Gravelly clay and sand: gravels are small and angular; sand is mostly fine to medium-grained quartz	12	24	Fine to coarse-grained quartz sand and gravel with fragments of eroded Cretaceous fossils, water	7	105

Well W-9. (Plains Production Co.-Simms Oil Co. No. 1 Benton Land Co.,  $9\frac{3}{4}$  miles northwest of Barstow.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Alluvium:-Continued.		
Topsoil, caliche, conglomerate and gravel	70	70	Blue shale	25	620
Red rock, water	35	105	Gray sand, water	30	650
Red sand	30	135	Blue shale	30	680
Red rock and red sand	15	150	Hard gray sand	5	685
Red sand and gravel, water	15	165	Blue shale	15	700
Red shale	10	175	Gray sand, water	40	740
Red sand	10	185	Blue shale	5	745
Red sand and gravel, water	10	195	Sand, water	8	753
Red rock	10	205	Blue shale, sand and sandy shale	22	775
Blue shale	10	215	Blue shale, streaks of sand	25	800
Gray sand, water	10	225	Permo-Triassic Red Beds:		
Red rock	5	230	Red beds	20	820
Red sand, water	10	240	Red shale	10	830
Blue shale	35	275	Blue shale	5	835
Red sand	5	280	Blue sandy shale	3	838
Sand and gravel, water	15	295	Red Beds	7	845
Gravel, water	13	308	Red shale	15	860
Conglomerate and hard gravel, water	30	338	Blue shale	10	870
Red shale	17	355	Red bed and gypsum	10	880
Sand and gravel, water	35	390	Red rock and gypsum	75	955
Sand and shale	15	405	Red shale and red bed	125	1,080
Red shale	25	430	Red bed and gypsum	20	1,100
Sand and gravel, water	10	440	Rustler formation:		
Gray sand and gravel	10	450	Anhydrite and gypsum	30	1,130
Gravel, water	40	490	Brown shale	5	1,135
Blue shale	25	515	Anhydrite	100	1,235
Loose gravel, water	35	550	Blue shale	5	1,240
Blue shale	40	590	Brown limestone, sulphur water	5	1,245
Sand and gravel, water	5	595	Gray limestone	15	1,260
			Sandy limestone, water	5	1,265

Continued--

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Well W-9.--Continued. (Plains Production Company, Simms Oil Company No. 1,  
Benton Land Company.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
<b>Rustler formation-Continued:</b>			<b>Castile Formation-Continued:</b>		
Limestone	5	1,270	Gray lime	25	2,455
Anhydrite and gravel	5	1,275	Salt	45	2,500
Lime shells and blue shale	5	1,280	Anhydrite	105	2,605
Gray and brown limestone	40	1,320	Brown lime	5	2,610
Blue shale and broken lime	5	1,325	Anhydrite	245	2,855
Brown shale and "gyp" shells	10	1,335	Salt	45	2,900
Anhydrite and "gyp"	5	1,340	Salt and anhydrite	10	2,910
Blue shale	5	1,345	Salt	80	2,990
Broken lime shells	5	1,350	Salt and anhydrite	15	3,005
Blue shale	20	1,370	Anhydrite	30	3,035
Gray limestone	20	1,390	Salt and anhydrite	105	3,140
Blue shale	5	1,395	Limestone	10	3,150
Gray limestone	85	1,480	Lime and anhydrite	40	3,190
Blue shale	4	1,484	Brown lime and anhydrite	70	3,260
Gray limestone	2	1,486	Anhydrite	15	3,275
Lime shells and blue shale	4	1,490	Salt	60	3,335
Gray limestone	10	1,500	Limestone	45	3,380
Blue shale	20	1,520	Anhydrite and lime	225	3,605
Red bed	9	1,529	Salt	10	3,615
Anhydrite	16	1,545	Brown lime and anhydrite	10	3,625
Anhydrite and "gyp"	12	1,557	Salt	75	3,700
Anhydrite and blue shale	18	1,575	Anhydrite	30	3,750
Anhydrite	255	1,830	Salt	45	3,775
<b>Castile formation:</b>			Salt and anhydrite	10	3,785
Salt and potash	65	1,395	Lime and anhydrite	80	3,865
Salt	20	1,915	Salt	20	3,885
Salt and potash	20	1,935	Salt and anhydrite	25	3,910
Anhydrite	5	1,940	Anhydrite	20	3,930
Salt	55	1,995	Gray lime	10	3,940
Anhydrite	20	2,015	Brown lime and anhydrite	290	4,230
Salt	110	2,125	Salt	85	4,315
Anhydrite	20	2,145	Lime and anhydrite	100	4,415
Salt	145	2,290	Salt	121	4,536
Anhydrite	15	2,305	Anhydrite and lime	115	4,651
Salt	50	2,355	Gray lime and anhydrite	43	4,694
Anhydrite	10	2,365	Brown and gray lime	17	4,711
Salt	20	2,385	<b>Delaware Mountain formation:</b>		
Anhydrite	10	2,395	Black lime	33	4,744
Salt	35	2,430	Sand	81	4,825

Slight showing of oil, 4,744-4,746; little salt water, 4,748-4,750, increased slowly as drilled deeper.

Well W-13. (Plains Production Company, J. F. Shipley No. 1 Monroe, 3 $\frac{1}{4}$  miles northwest of Barstow.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
<b>Alluvium:</b>			<b>Permo Triassic Red Beds-Continued:</b>		
Caliche	25	25	Red bed and red rock	127	1,527
Sandy red clay and sand	50	75	<b>Rustler formation:</b>		
Sand and gravel, water	25	100	Anhydrite	23	1,550
Red sand	80	180	"Gyp" and blue shale	6	1,556
Sand and gravel, water	120	300	Anhydrite	87	1,643
Blue clay and gravel	40	340	Blue shale and "gyp"	17	1,660
Gray sand	15	355	Sand, sulphur water	15	1,675
Sand	5	360	Gray limestone	40	1,715
Hard sand	10	370	Blue shale	13	1,728
Hard sand and gravel, water	40	410	Gray limestone	16	1,744
Gray sand	52	462	Blue shale	14	1,758
Gray sand with thin beds			Gray limestone	64	1,822
of blue shale	144	606	Blue shale	10	1,832
Sticky blue shale	54	660	Lime and broken shale	11	1,843
Blue shale with gravel			Blue shale	22	1,865
mixed	45	705	Limestone	5	1,870
Blue shale	83	788	Blue shale	3	1,973
Sand and gravel, water	5	793	Limestone	2	1,875
Blue shale	2	795	Anhydrite	61	1,936
Coarse sand, water	13	808	Sandy lime	3	1,939
Hard fine sand	26	834	Blue shale	7	1,946
Blue shale	26	860	Anhydrite	3	1,949
Sand, show of sulphur			Blue shale	11	1,960
water	24	884	Anhydrite with shale		
Blue shale	6	890	breaks	335	2,295
Hard sand	15	905	Anhydrite	65	2,360
Blue shale	10	915	Sand, sulphur water filled		
Hard sand	13	928	hole 200 feet	25	2,385
Light-blue shale	16	944	Anhydrite and sand	90	2,475
Sand	6	950	<b>Castile formation:</b>		
Light sandy shale	20	970	Sand and salt	10	2,485
Sand, sulphur water	25	995	White salt	25	2,510
Light-blue shale	25	1,020	Salt and sand	10	2,520
Sandy shale, water	9	1,029	Anhydrite	70	2,590
Blue shale and gravel	6	1,035	Anhydrite and sand	5	2,595
Sand and gravel	13	1,048	Sand, sulphur water	20	2,615
Blue shale and gravel	27	1,075	Salt, sand and anhydrite	1,125	3,740
Hard sand, gravel and			Anhydrite and lime	410	4,150
"gyp"	7	1,082	Salt	30	4,180
Blue shale	28	1,110	Limestone	5	4,185
Gravel and sand	15	1,125	Salt	30	4,215
Hard sand	15	1,140	Lime shells	15	4,230
Soft blue shale	40	1,180	Gray lime	100	4,330
Light-blue sand	23	1,203	Salt	15	4,345
Blue shale and gravel	77	1,280	Salt and anhydrite	85	4,430
Gray sand and gravel	34	1,314	Gray lime and anhydrite	90	4,520
<b>Permo-Triassic Red Beds:</b>			<b>Delaware Mountain formation:</b>		
Hard shale	14	1,328	Dark brown lime	5	4,525
Red bed and "gyp"	55	1,383	Lime and gray anhydrite	15	4,540
Hard sand	17	1,400	Brown lime	5	4,545

Initial production 50 barrels of oil a day.

Well W-17. (Monroe estate, 6 $\frac{1}{2}$  miles north of Barstow.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Alluvium-Continued:		
Surface sand and gravel	15	15	Fine to medium-grained buff sand with some small gravels, water	31	76
Conglomerate (hard drilling)	15	30			
Coarse sand and conglomerate	15	45			

Well W-18. (F. H. Murphy No. 1 Monroe, 7 miles north of Barstow.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Rustler formation-Continued:		
Surface soil	10	10	Shale	4	1,108
Caliche	20	30	Gypsum, potash and anhydrite	15	1,123
Red rock	5	35	Red rock	2	1,125
Lime (caliche?)	5	40	Blue shale	10	1,135
Brown lime	20	60	Anhydrite	10	1,145
Brown sand	35	95	Blue shale	5	1,150
			Anhydrite	35	1,185
Permian-Triassic Red Beds:			Castile formation:		
Red rock	80	175	Potash and salt	15	1,200
Red sand	5	180	Salt	20	1,220
Red rock	40	220	Alternating beds of salt and anhydrite		
Sand, water	10	230		1,505	2,725
red rock and red bed	445	675	Black shale, show of oil	5	2,730
Rustler formation:			Brown lime	10	2,740
Anhydrite	30	705	Lime and anhydrite	39	2,779
Blue shale	10	715	Gray lime	31	2,810
Anhydrite	90	805	Salt and anhydrite	40	2,850
Red bed	5	810	Lime and anhydrite	20	2,870
Blue shale	10	820	Salt	55	2,925
Sand, hole full of sulphur water	8	828	Lime and anhydrite	11	2,936
Limestone	4	832	White and brown lime	224	3,160
Lime and anhydrite	4	836	Lime and anhydrite	30	3,190
Limestone	54	890	Brown lime	20	3,210
Blue shale	5	895	Anhydrite and salt	20	3,230
Red shale	5	900	Brown lime	39	3,269
Anhydrite	5	905	Salt	31	3,300
Limestone	5	910	White lime	64	3,364
Blue shale	10	920	Brown sandy lime	46	3,410
Lime and anhydrite	38	958	Brown and gray lime	30	3,440
Gray sand and shale	18	976	Brown and gray lime, anhydrite and broken sand		
Blue shale	22	998		310	3,750
Limestone	15	1,013	Salt	15	3,765
Blue shale	17	1,030	Salt and lime	32	3,797
Limestone	7	1,037	Brown lime and salt	78	3,875
Potash and "gyp"	7	1,044	Anhydrite and brown lime	50	3,925
Hard limestone	2	1,046	Brown sand, water and gas	17	3,942
Blue shale	4	1,050	Limestone	6	3,948
Red and blue shale	15	1,065	Sand	12	3,960
Limestone	35	1,100	Salt	8	3,968
Sand and lime	4	1,104	Limestone	12	3,980

Continued--



Well W-18.--Continued. (F. H. Murphy No. 1 Monroe, 7 miles north of Barstow.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Castile formation-Continued.			Castile formation-Continued.		
Hard gray lime	5	3,983	Salt	103	4,308
Dark lime	17	4,000	Gray lime	112	4,510
Gray lime	46	4,046	Salt	57	4,567
Brown lime and anhydrite	22	4,068	Gray lime	258	4,825
Gray lime	22	4,090	Brown lime	50	4,875
Lime and anhydrite	72	4,162	Delaware Mountain formation:		
Limestone	153	4,295	Black lime	50	4,925
			Sand	125	5,050

Well W-22. (Texas University, 14½ miles north of Barstow.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium and Triassic(?):			Alluvium and Triassic-Continued.		
Top soil	1	1	Sandy yellow shale	13	133
Limerock	20	21	Hard yellow sandrock, water	8	141
White pack-sand	34	55	Yellow sandrock with increase in water	9	150
Red sandrock	20	75	Red clay	1	151
Yellow sandrock	15	90			
Hard red sandrock	30	120			

Driller reports well will yield at least 15 gallons a minute.

Well W-44. (Gulf Production Co. Water well, 8½ miles northeast of Pyote.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Triassic-Continued:		
Surface sand	8	8	Red rock	20	160
Caliche	14	22	Water sand	20	180
Red sand	58	30	Hard red sand	10	190
Triassic:			Brown sand	14	204
Red rock	30	110	Red rock	13	217
Red bed	30	140			

Casing: 216 feet of 9-5/8-inch, lower 52 feet perforated. Well is gravel packed.

Well W-47. (Geo. Sealy estate, 5 $\frac{1}{2}$  miles north of Pyote.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Alluvium-Continued.		
Surfaces sand	10	10	Gray sand	10	168
Caliche	15	25	Red bed	12	180
Red sand	33	58	Water sand	15	195
Red bed	32	90	Gray sand(hard)	10	205
Red sand	50	140	Quicksand	5	210
Water sand	18	158			

Casing: 200 feet of 8 $\frac{1}{4}$ -inch, perforated at 140-160 feet and 180-200 feet.

Well W-53. (Culf Production Co. No. 7 O'Brien et al, 7 $\frac{1}{2}$  miles west of Monahans.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Rustler and Castile formation-Continued.		
Surface sand and caliche	43	43	Anhydrite	50	1,375
Packed sand	157	200	Hard anhydrite	60	1,435
Hard sand	5	205	Broken anhydrite	49	1,484
Gravel bed	6	211	Potash and anhydrite	38	1,522
Permo-Triassic Red Beds:			Broken anhydrite	62	1,584
Red beds	7	218	Potash and anhydrite	46	1,630
Red beds and sand	61	279	Broken salt and anhydrite	15	1,645
Sandy line (Calcareous sandstone?)	10	289	Potash and anhydrite	132	1,777
Red beds and sand	71	360	Anhydrite	25	1,802
Sand and gravel	5	365	Broken anhydrite and "gyp"	38	1,840
Red beds and sand	157	522	Anhydrite and "gyp"	92	1,932
Red beds and hard sand	161	683	Anhydrite	213	2,145
Sandy red beds and red rock	50	733	Broken anhydrite and anhydrite	220	2,365
Red rock and sand	63	796	Broken anhydrite and red beds	59	2,424
Red beds and sand	70	866	Hard anhydrite	36	2,460
Red rock	93	964	Delaware Mountain formation:		
Red rock and sand	71	1,035	Brown limestone	46	2,506
Red rock	53	1,093	Lime and gray lime	74	2,580
Red beds and "shell"	17	1,110	Broken lime and soft sand	5	2,585
Rustler and Castile formations:			Lime and sandy blue shale	37	2,622
Anhydrite	72	1,182	Sand, $\frac{1}{4}$ million cubic feet of gas	18	2,640
Hard anhydrite	34	1,216	Sandy gray lime, oil	10	2,650
Anhydrite	72	1,283			
Water sand	12	1,300			
Red beds and anhydrite	25	1,325			

Total depth 3,566 feet. Initial production several oil and gas shows. At 5,405 feet sulphur water started flowing over casing; at 3,445-3,457 feet flow of 150 barrels an hour was estimated; at 3,540-3,545 feet, flow of 500 barrels an hour was estimated. Well was plugged and abandoned.

Well W-55. (Gulf Production Co. Water well, 6 $\frac{1}{2}$  miles west of Monahans.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Triassic-Continued:		
Brown, surface sand.	5	5	Soft red sand.	44	275
Gray caliche	17	22	Red sand	30	305
Hard red sand	12	34	Soft red sand	16	321
Soft, red sand	179	213	Hard red sand (red bed)	8	329
Triassic:			Soft sand and gravel, water		
Soft red-bed	9	222		10	339
Soft red sand, water	9	251	Hard red rock	7	346

Casing: Set 326 feet of 10 $\frac{3}{4}$ -inch, and 40 feet of perforated liner on bottom.

Well W-60. (Gulf Production Co. Water well, 6 $\frac{1}{2}$  miles west of Monahans.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Triassic:		
Red top soil sand	5	5	Red rock	66	136
White caliche	13	18	Hard red bed	34	220
Red sand	12	30	Hard red rock	80	300
Hard red rock	55	85	Soft red rock	25	325
Soft sand and gravel, water	30	115	Red sand, water	3	328
Soft quicksand, water	5	120	Sand and gravel, water	6	334
			Red bed	9	343

Casing: 136 feet of 10 $\frac{3}{4}$ -inch; 221 feet of 3-inch liner in bottom, perforated at 315-343 feet.

Well W-67. (Texas-New Mexico Pipeline Co. Water well, 3 $\frac{1}{2}$  miles west of Monahans)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Alluvium-Continued.		
Broken sand	1	1	White sand, water	5	64
Caliche	22	23	Triassic:		
White sand	8	31	Blue shale	10	74
Cypsum	6	37	Red sand, water	3	77
White sand	9	46	Red sand and gravel, water		
Red sand	13	59		9	86

Poor quality water at 59-64 feet cased off.

Well W-69. (Texas-New Mexico Pipe line Co. Water well,  $1\frac{3}{4}$  miles west of Monahans.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Triassic:		
Surface sand	10	10	Red rock	8	67
Caliche	22	32	Red bed	13	80
Gypsum	18	50	Clay and gravel, water	15	95
Red rock	8	58	Sand, water		
Water gravel	1	59			

Poor quality water above 59 feet cased off.

Well W-70. (City of Monahans, water well No. 9, in Monahans.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Triassic-Continued:		
Sand	10	10	Red rock	4	70
Caliche	25	35	Water sand and gravel	8	84
Red bed	11	46	Red rock	12	96
Water sand	8	54	Water sand	6	102
Red bed (clay)	13	67	Red bed (clay)	8	110
Triassic:			Water sand	9	119
Red rock	5	72	Red bed (clay)	11	130

Poor quality water above 96 feet cased off.

Well W-73. (Texas & Pacific Railway Co. Well No. 1, in Monahans.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Triassic-Continued:		
Surface sand	1	1	Layers of hard sandstone		
Soft sand	8	9	2-3 feet thick with equal		
Sand and caliche	5	14	amounts of soft red sand-		
Caliche, water bearing	41	55	stone, water bearing	77	160
Soft caliche	15	70	Hard and soft sandstone,		
Triassic:			water bearing	25	185
Hard red sandstone,			Red bed formation	10	195
water	6	76	Soft sandstone, water	15	210
Conglomerate, water bearing	7	83	Sandstone and red bed	20	230
			Soft red bed	10	240

Well W-75. (City of Monahans water well No. 1, in Monahans.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Sand, carrying water	24	79
Sand	12	12	Lime, sandy	6	85
Caliche	22	40	Triassic:		
Sand, carrying a little water	5	45	Red rock	17	102
Lime, sandy	10	55	Sand, carrying water	8	110
			Lime, sandy	10	120

All of the sandy lime may be hard, Calcareous sandstone of the Triassic.

Well W-95. (Gulf Production Co. Water well, 8 $\frac{1}{2}$  miles south of Monahans.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Water sand; unable to bail well dry	20	135
Surface sand	2	2	Sand and gravel, water came within 75 feet of surface		
Caliche	8	10	unable to bail down	26	161
Limerock	15	25	Red bed	4	165
Brown sand	85	110	Quicksand	2	167
Triassic(?):					
Sandy red bed	5	115			

Casing: 15 feet of 12 $\frac{1}{2}$ -inch at top; 162 feet of 8-5/8-inch with lower 39 feet perforated.

Well W-96. (Gulf Production Co. Water well, 9 miles southwest of Monahans.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Alluvium-Continued:		
Top sand	5	5	Gray sand	25	145
Caliche	40	45	Sand and gravel, water	15	160
Gray sand	55	100	Gray sand	12	172
Quicksand; water at 105 feet	20	120			

Casing: 172 feet of 8-5/8-inch, lower 68 feet perforated.

Well W-100. (Cabot Carbon Co. Water well, 7 $\frac{1}{2}$  miles southwest of Monahans.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium and Triassic(?)			Alluvium and Triassic-Continued:		
Surface sand	6	6	Red sand	21	125
Caliche	14	20	Water sand	4	129
Red clay	30	50	White sand	56	185
Gray sandy clay	54	104	Quicksand and gravel, water	75	260

Casing: 225 feet of 12 $\frac{1}{2}$ -in.; 83 feet of 10 $\frac{3}{4}$ -in. 42 feet at bottom perforated.

Well W-105. (Gulf Production Co., Water well, 6 $\frac{1}{2}$  miles southwest of Monahans.)

	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)
Alluvium and Triassic:			Alluvium and Triassic-Continued:	
Brown surface sand .....	5	5	Red sand .....	3 276
Hard white caliche .....	13	13	Gray sand .....	47 323
Red sand and gravel .....	27	45	Hard red sand .....	2 325
Gray sand .....	96	141	Red rock .....	7 332
Gray sand, water .....	71	212	Gray sand and gravel, water	14 346
Red bed .....	4	216	Red rock .....	9 355
Sand and gravel, water .....	14	230	Gray sand, water .....	5 360
Gray sand .....	26	256	Red bed .....	33 393
Red bed .....	17	273	Red rock .....	14 407

Casing: 323 feet of 8-5/8-inch set at 323 feet; 96 feet of 7-inch perforated liner top of liner at 280 feet.

Well W-114. (Texas University, 5 $\frac{3}{4}$  miles east of Pyote.)

	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)
Alluvium:			Alluvium-Continued:	
Sand and caliche .....	20	20	Quicksand, water .....	110 130
Red sand .....	60	80	Sand and gravel, water .....	50 240

Well W-143. (C. H. Mahres et al No. 1 Pat Wilson, 10 miles east of Barstow.)

	Thick- ness (feet)	Depth (feet)	Thick- ness (feet)	Depth (feet)
Alluvium:			Castile formation-Continued.	
White limerock .....	30	50	Anhydrite .....	10 1,335
Permo-Triassic:			Salt .....	50 1,385
Red shale .....	115	145	Anhydrite .....	20 1,405
Water Gravel .....	5	150	Salt .....	120 1,525
Red sandy shale .....	40	190	Anhydrite .....	65 1,590
Gravel .....	5	195	Salt .....	45 1,635
Red shale .....	13	208	Anhydrite .....	20 1,655
Red shale .....	7	215	Salt .....	90 1,745
Water gravel .....	5	220	Salt and polyhalite .....	205 1,950
Red sandy shale .....	550	770	Salt .....	120 2,070
Rustler formation:			Anhydrite .....	30 2,100
Anhydrite .....	50	820	Salt .....	220 2,320
Lime .....	155	975	Anhydrite .....	90 2,410
Anhydrite and sand .....	50	1,025	Salt .....	50 2,460
Lime .....	20	1,045	Anhydrite .....	60 2,520
Sand and shale .....	55	1,100	Salt .....	15 2,535
Lime and anhydrite .....	90	1,190	Anhydrite .....	65 2,600
Anhydrite .....	20	1,210	Salt and anhydrite .....	100 2,700
Anhydrite and shale .....	100	1,310	Salt .....	65 2,765
Castile formation:			Anhydrite and lime .....	85 2,850
Salt .....	15	1,325	Anhydrite .....	15 2,865

Continued--

Well W-143.--Continued.(C. H. Mahres et al No. 1 Pat Wilson.)

		Thick- ness (feet)	Depth (feet)			Thick- ness (feet)	Depth (feet)
Castile formation-Continued.				Castile formation-Continued.			
Salt		10	2,875	Banded lime and anhydrite	30	4,030	
Anhydrite		45	2,920	Salt	55	4,085	
Salt		15	2,935	Banded lime and anhydrite	445	4,530	
Anhydrite		70	3,005	Salt	65	4,595	
Salt		15	3,020	Banded lime and anhydrite	115	4,710	
Anhydrite		155	3,175	Salt	86	4,796	
Salt		10	3,185	Banded lime and anhydrite	240	5,036	
Anhydrite		10	3,395	Delaware Mountain formation:			
Brown lime and anhydrite		90	3,485	Dark silty lime	15	5,051	
Salt		60	3,545	Black lime	34	5,085	
Banded limes and anhydrite		370	3,915	Brown sand	2	5,087	
Salt		85	4,000				

Log compiled by C. H. Mahres, from examination of drill cuttings.

Well W-145. (Texas & Pacific Railroad Co. 10½ miles east of Barstow.)

		Thick- ness (feet)	Depth (feet)			Thick- ness (feet)	Depth (feet)
Alluvium:				Triassic-Continued.			
White lime rock		25	25	Clay	11	160	
Triassic:				Sandrock	10	170	
Red sand rock		60	85	Gravel and sand, water	2	172	
Red clay		8	93	Red sandrock	14	186	
Red sandrock		10	103	Red clay	11	197	
Sand and gravel, water		4	107	Red sandrock	16	213	
Red sandrock		23	130	Red clay	10	223	
Red clay		10	140	Red sandrock	8	231	
Red sandrock		9	149	Red clay	18	249	

Casing: 210 feet of 8-inch; 40 feet of 8-inch screen on bottom.

Well W-154. (Byrd-Frost Inc., No. 1 McGregor, 4¾ miles northeast of Barstow.)

		Thick- ness (feet)	Depth (feet)			Thick- ness (feet)	Depth (feet)
Alluvium:				Rustler formation-Continued.			
Surface soil and caliche		25	25	Red rock	5	965	
Permo-Triassic Red Beds:				Anhydrite	70	1,035	
Red sand and red shale; water at 250 feet		250	275	Blue shale	10	1,045	
Red shale		5	280	Anhydrite	20	1,065	
Red sand and red shale		60	340	Blue shale, hole full sulphur water at 1,070	5	1,070	
Red shale, sandy in part		587	927	Gray lime	75	1,145	
Rustler formation:				Blue shale	10	1,155	
Anhydrite		28	955	Lime and anhydrite	5	1,160	
Blue shale		5	960	Lime	5	1,165	

Continued--

Well W-154.--Continued. (Byrd-Frost Inc. No. 1 McGregor.)

		Thick- ness (feet)	Depth (feet)			Thick- ness (feet)	Depth (feet)
Rustler formation-Continued.				Rustler formation-Continued.			
Red rock		10	1,175	Anhydrite		90	1,420
Blue shale		85	1,260	Castile formation:			
Gray lime; water streaks				Salt and showing of potash		20	1,440
all through this limestone		15	1,275	Salt and potash		45	1,485
Red shale		55	1,330	Salt		65	1,550

Top of Delaware Mountain formation (black lime) at 5,115 feet. Total depth 5,155 feet. Several shows of oil and gas; salt water at 5,152-5,155 feet. Plugged and abandoned.

Well W-174. (Ward County Water Improvement District No. 3-Cedarvale District-, 6 miles northwest of Barstow.)

		Thick- ness (feet)	Depth (feet)			Thick- ness (feet)	Depth (feet)
Alluvium:				Alluvium-Continued.			
Silty clay with some gravel		4	4	Gypsiferous buff clay; calcareous by acid test		4	91
Gypsiferous buff clay and gravel. Gravels are chiefly quartz and limestone of irregular size		4	8	Fine to medium-grained buff sand. Well rounded, frosted quartz grains predominate. Few limestone and igneous grains		1	92
Sand and gravel. Ranges from medium-grained sand to $\frac{1}{2}$ -inch diameter gravels of quartz dolomite, limestone and some igneous pebbles		4	12	Coarse sand and gravel. Gravel up to $\frac{1}{2}$ -inch in diameter; well-rounded quartz, limestone and igneous rocks		10	102
Coarse sand and gravel; predominantly same type as above		21	33	Silty buff clay (no sample)		6	103
Gypsiferous buff clay; slightly calcareous by acid test		25	58	Fine to medium-grained buff quartz sand		2	110
Sand and gravel. Ranges from medium-grained sand to gravel about $\frac{1}{2}$ -inch in diameter		11	69	Medium to coarse-grained sand and gravel. Gravels range up to 1-inch in diameter. An eroded Cretaceous fossil was found in this sample		5	115
Gypsiferous buff clay; calcareous by acid test		13	82	Pinkish-buff clay with scattering small gravel. Some inclusions of yellow silt		35	150
Coarse sand and gravel. Some gravels up to $\frac{1}{2}$ -inch in diameter. More igneous rocks than in above samples; and scattered clay balls		5	87				

Log compiled from examination of drill cuttings. Casing: 115 feet of  $1\frac{1}{2}$ -inch; slot perforations opposite water sands.



Well W-198. (Henry Russell, 2 $\frac{1}{2}$  miles northwest of Barstow.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Alluvium-Continued.		
Topsoil; silty clay with scattering gravels	5	5	Gypsiferous silty, buff clay	12	52
Hard, tightly cemented, coarse angular-pebbled conglomerate			Coarse, irregular-sized sand and gravel. Several lenses of small boulders,		
Not so tightly cemented in lower part (water in lower part)	19	24	water bearing	23	75
Coarse, irregular-sized, angular sand and small gravel.			Sticky red clay with scattering gravels	5	80
Some fine-grained sand internixed, water	16	40			

Log compiled from examination of drill cuttings. Casing: 78 feet of 10-inch; perforated with 3/8-inch by 6-inch slots opposite water sands.

Well W-207. (J. W. Green, 1 mile north of Barstow.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Alluvium-Continued.		
Soil	3	3	Clay, 2 or 3-foot bed in sandy clay beds	9	54
Gypsite	4	7	Sand	11	65
Clay and sand	5	12	Shale	5	70
Conglomerate, cemented, hard ledge	3	20	Sand and clay. (still drilling when visited)	19	89
Sand; water bearing, although lower part contains so much clay that it yields little water	25	45			

Log taken from manuscript Vol. 5, Quaternary System in Toyah Basin in Texas by H. S. Gale.

Well W-210. (Young Bell, 1 $\frac{1}{2}$  miles east of Barstow.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Alluvium-Continued.		
Topsoil	8	8	Silty clay	4	91
Sand and gravel (water at 15 feet)	24	32	Fine buff sand	1	92
Gypsiferous, silty buff clay	26	58	Medium-grained sand and gravel, water	6	98
Medium-grained quartz sand up to $\frac{1}{2}$ -inch diameter			Silty clay	7	105
gravels, water bearing	11	69	Medium-grained sand to small gravel, water bearing	5	110
Silty, buff clay	13	82	Clay at 110 feet		
Coarse sand and gravel, water	5	87			

Log compiled in part from examination of drill cuttings and in part from drillers record. Casing: 12 $\frac{1}{2}$ -inch casing set at 83 feet, slot perforations 24-83 feet; 10-inch perforated liner 80-100 feet.

Well W-213. (Commonwealth well, in Barstow.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Alluvium(?)—Continued.		
Rotary derrick floor was 4 feet above ground level	4	4	Blue shale	17	695
Surface soil	5	9	Fine gravel and sand	8	703
Gypsite earthy material	7	16	Hard coarse gravel and sand	20	723
Loose sand and gravel	74	90	Fine gravel and sand	10	733
Clay streak	2	92	Soft blue clay	7	740
Sand and gravel	13	105	Sandy gravel	18	758
Clay	1	106	Hard coarse gravel	15	773
Sand and gravel (8-inch casing set at 202 feet)	96	202	Fine gravel and sand	59	832
Clay, stiff, blue	7	209	Coarse gravel and sand	8	840
Clay and gravel (water tested at 212 feet)	3	212	Fine sand and gravel	23	868
Coarse gravel	10	222	Blue shale	35	903
Sandy clay and gravel	142	364	Sand and gravel	47	950
Soft blue clay	6	370	Blue shale (water tested at 955 feet)	5	955
Gravel	7	377	Rustler formation (?):		
Blue clay (water tested at 410 feet)	35	410	Sand, light-colored	4	959
Gravel	12	422	"White rock" (probably gypsum or anhydrite?)	12	971
Blue clay	10	432	Limestone, soft, blue (6-inch casing set at 980 feet)	11	982
Gravel, in streaks of coarse and fine	80	512	Limestone, streaked with sand	12	994
Blue clay	5	517	Limestone, streaked with sand	26	1,020
Alluvium(?):			Sand (Water tested at 1,030 feet)	25	1,045
Sandy shale	4	521	Hard limestone	23	1,068
Clay, streaked with shale	35	556	Soft limestone (water tested at 1,082 feet)	14	1,082
"White rock"	14	570	Hard sand	8	1,090
Clay, variegated colors	30	600	Limestone	3	1,093
Gravel and clay in streaks (water tested at 642 feet)	42	642	Hard sand	2	1,095
Shale, gray, hard	10	670	Limestone	5	1,100
"White rock" harder than that above	8	678			

Log taken from manuscript Vol. 5, Quaternary System in Toyah Basin in Texas by H. S. Gale.

Well W-237. (R. F. Owen No. 1 Johnson, 10 $\frac{1}{2}$  miles south of Pyote.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Permo-Triassic Red Beds—Continued.		
Red sand	8	8	Brown lime(?)	20	370
Gravel, water	2	10	Red rock	5	375
Permo-Triassic Red Beds:			Red rock and potash	5	380
Red sand	135	145	Lime shells	55	435
Red rock and blue shale	5	150	Sandy lime	15	450
Red rock	150	300	Red rock lime	210	660
Red rock and blue shale	50	350	Red rock	40	700

Continued--

Well W-237.--Continued. (R. F. Owen No. 1 Johnson.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Permo-Triassic Red Beds:			Rustler formation-Continued.		
Red rock and lime shells	105	805	Blue slate(Hard shale?)	54	1,190
Red shale	32	837	Sandy shale	20	1,210
Red rock	43	885	Blue slate(Hard shale?)	10	1,220
Rustler formation:			Gray lime	25	1,245
Anhydrite	15	900	Blue slate(Hard shale?)	10	1,255
Sandy lime	78	978	Gray lime	3	1,258
Chalk	4	982	Red rock	32	1,290
Blue shale	8	990	Red sandstone	5	1,295
Red rock	35	1,025	Red sand and chalk	5	1,300
Gray line, water flowed			Sandy lime	25	1,325
approximately 200 barrels			Sandy chalk and lime	15	1,340
an hour at 1,040 feet,			Potash and red rock	10	1,350
and more water was encount-			Blue slate(Hard shale?)	5	1,355
ered at 1,112 feet	87	1,112	Potash	5	1,360
Blue slate(Hard shale?)	3	1,115	Anhydrite	10	1,370
Red sand	6	1,121	Potash	5	1,375
Lime, lower part sandy	15	1,134	Anhydrite	15	1,390
Red rock	2	1,136	Limerock	10	1,400

Top of Castile formation 1,400 feet(?). Top of Delaware Mountain formation (black lime) 4,833 feet. Initial production of oil, none. Flowing water from Rustler formation is used for stock.

Well W-247.(The California Co. No. 1 Thomas, 10 miles northwest of Grandfalls.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Top of rotary to surface of ground		7	Alluvium and Permo-Triassic Red Beds-Continued		
Alluvium and Permo-Triassic Red Beds:			Medium-grained reddish sand,		
Caliche, loose sand and clay	26	33	argillaceous with red shale		
Loose gray quartz sand with			and a little gypsum	66	1,443
numerous varicolored chert			Tough red sandy shale	34	1,480
pebbles and streaks of hard			Rustler formation:		
calcareous sandstone	377	410	Massive pink anhydrite with		
Sticky red and blue sandy			breaks of sticky red sandy		
shale	223	633	shale	74	1,554
Sticky red and blue shale	89	722	Hard red sandy shale and		
Sticky red sandy shale with			white clay	6	1,560
hard streaks	235	1,007	Massive pink anhydrite and		
Red shale with hard sandy			red sandy shale	12	1,572
streaks	129	1,136	Red sandy shale	20	1,592
Hard red sandy shale with			Massive pink anhy. and sandy shale	9	1,601
thin seams of gypsum	81	1,217	Porous brown limestone	10	1,611
Tough sandy red shale and			Pink anhydrite and sandy		
sticky blue shale with			blue and red shale with		
small amount of gypsum	165	1,380	"shells" of brown limestone	40	1,651

Top of Castile formation at 2,264 feet. Total depth 2,974 feet. Initial production several shows of gas and oil. At total depth (in Delaware Mountain formation) well started flowing 91 gallons a minute of salty and slightly sulphurous water; after flowing 2 hours water increased to 234 gallons a minute.

Well W-260. (Rio Bravo Oil Co. Water well, 5½ miles northwest of Grandfalls.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Alluvium-Continued.		
Caliche	20	20	Quicksand, water	35	115
Sandrock	15	35	Permo-Triassic Red Beds?		
Red water sand	25	60	Red rock	8	123

Casing: 123 feet of 6-inch; lower 24 feet perforated.

Well W-268. (Amerada Petroleum Co., 4 miles northwest of Grandfalls.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium and Permo-Triassic Red Beds:			Alluvium and Permo-Triassic Red Beds-Continued		
Topsoil and Caliche	45	45	Red bed	21	840
Red rock	5	50	Rustler formation:		
Red bed (mud or clay)	15	65	Anhydrite and sand	34	874
Red bed	20	85	Hard sandy lime	21	895
Caliche (sand and clay)	10	95	Red rocks with "gyp" streaks	68	963
Hard sand	10	105	Red bed and red rock	90	1,053
Caliche	17	122	Red bed and sand	40	1,093
Caliche, hard	15	137	Castile formation:		
Red beds	176	313	Salt and anhydrite	342	1,435
Red bed and red rock	27	340	Anhydrite	37	1,472
Red bed "shells"	35	375	Anhydrite and salt	70	1,542
Red rock	47	422	Hard anhydrite	170	1,712
Red rock and "shells"	30	452	Salt, anhydrite and "gyp"	80	1,792
Red rock and red beds	248	700	Salt and anhydrite	254	2,046
"Gyp"-rock and red beds	29	729	Hard anhydrite and "gyp"	34	2,080
Red beds, "gyp"--rock and sand	90	819			

Top of oil "pay" at 2,226 feet (In Delaware Mountain formation). Total depth 2,454 feet. Initial production commercial oil well.

Well W-270. (B. L. Agnew water well, 3 miles northwest of Grandfalls.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Alluvium-Continued.		
Caliche	4	4	White sand	57	92
Limerock	6	10	Permo-Triassic Red Beds:		
Sand	21	31	Red bed	10	102
Red rock, ½ bailer of water an hour	4	35	Brown sand, water	23	125
			Red rock	16	141
			Water sand (8 barrels an hour)	29	170

In oil well, 100 feet away, top of Castile formation was at 1,080 feet and top of Delaware Mountain (brown lime) was at 2,143 feet.

Well W-295. (Test well for Grandfalls public water supply, 2½ miles north of Grandfalls.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Permo-Triassic Red Beds:		
Surface	2	2	Red rock	28	115
Line	3	10	Water sand	29	142
Caliche	20	30	Red rock	4	146
Dry sand	55	85			

Well W-303. (Gibson Bros. et al No. 1 Johnson, 1½ miles west of Grandfalls.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Rustler formation-Continued.		
Topsoil	3	3	Blue shale	10	575
Gravel and sand, water	55	58	Red rock	5	580
Permo-Triassic Red Beds:			Anhydrite	32	612
Red rock	157	215	Blue shale	3	620
Sandy lime (Calcareous sand- stone)	5	220	Anhydrite and lime	5	625
Red rock	55	275	Sandy lime, water at 625- 630 feet	5	630
Red sand	50	325	Blue shale	10	640
Sandy red rock	50	375	Sand and shale	20	660
Red rock	120	495	Blue shale	5	665
Rustler formation:			Red rock	5	670
Anhydrite	55	550	Red rock and anhydrite 8- bailers of water an hour	25	695
Limestone	5	555	Castile formation:		
Sand	3	558	Salt	105	800
Limestone, water at 550-565 feet	7	565			

Top of Delaware Mountain (brown lime) at 2,025 feet? Total depth 2,503 feet.  
Dry and abandoned.

Well W-508. (J. J. Dorr, 2¾ miles south of Grandfalls.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Alluvium-Continued.		
Topsoil	4	4	Sand, water	8	19
Sandy clay	7	11	Gravel, water	25	44

W E L L L O G S  
LOVING COUNTY

Well L-3. (Lockhart and Co., 26 $\frac{1}{4}$  miles northwest of Mentone.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Permo-Triassic Red Beds and Rustler formations:			Permo-Triassic Red Beds and Rustler formations-Continued.		
Red beds and "gyp" .....	30	30	Sand .....	5	290
Blue mud .....	10	40	Limerock .....	14	304
Gypsum .....	20	60	Sandy line .....	4	308
Gypsum and lime .....	60	120	Limerock .....	27	335
Gypsum .....	10	130	Gray shale .....	5	340
Red rock .....	10	140	Red mud .....	10	350
Limerock .....	5	145	Red rock and "gravel" .....	20	370
"Gyp" and sand .....	5	150	Limerock .....	4	374
Lime and "gyp" .....	10	160	Red rock .....	11	385
Limerock .....	25	185	Sandy line .....	19	404
Red rock .....	5	190	Blue rock .....	4	408
Blue rock .....	17	207	Red rock .....	17	425
Red beds .....	23	230	Red shale and potash .....	10	435
Blue shale .....	40	270	Red mud .....	5	440
Blue mud .....	10	280			
Limerock, water from 280- 235 feet rose to within 160 feet of surface	5	285			

Top of Castile formation at 440 feet. Top of Delaware Mountain (black line) formation at 3,114 feet. Initial production none. Hole full of salt water at total depth, 3,535 feet.

Well L-7. (Red Bluff Water Power Control District, 190 feet north of centerline of Red Bluff Dam.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Rustler formation?-Continued.		
Sand and gravel .....	11	11	Red clay .....	7	57
Rustler formation?:			Sandy red clay and gypsum .....	13	75
Limestone .....	14	25	Sandy red clay .....	17	92
Blue shale and yellow clay .....	10	35	Blue shale .....	54	146
Gypsum .....	15	50	Gray shale .....	4	150

Well L-33. (Michigan Gas and Oil Co. Water well, 19 $\frac{1}{2}$  miles northwest of Mentone.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium and Permo-Triassic Red Beds?:			Alluvium and Permo-Triassic Red Beds?:		
Caliche .....	17	17	Sandy red shale .....	11	74
White sand .....	9	23	Gravel .....	8	82
Red sand .....	4	30	Yellow sand .....	9	91
White sand .....	21	51	Sand and gravel .....	5	96
Red sand .....	12	63	White sand .....	31	127

Continued.

Well L-33. (Michigan Gas and Oil Co. Water well, 19 $\frac{1}{2}$  miles northwest of Mentone.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium and Permo-Triassic Red Beds?:			Red sand	31	237
Red sand	35	162	Sandy red shale	4	241
Sandy red shale	14	176	White sand	7	248
Red sand	26	202	Sandy red shale	42	290
White sand	4	206	White water sand	10	300

Well L-40. (T.P. Lands trust, 18 $\frac{1}{2}$  miles north of Mentone.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Permo-Triassic Red Beds:		
Caliche and gypsite	20	20	Hard red sandstone rock	5	75
Gray sand (weak seep at 70 feet)	50	70	Open cavern	5	80
			Red-bed clays	220	300

Well is located in deep, broad depression between two sink holes.

Well L-44. (Texas Pacific Coal and Oil Co. No. 1 Rex oil Co., 13 $\frac{3}{4}$  miles north of Mentone.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Permo-Triassic Red Beds:-Continued.		
Caliche	10	10	Red rock	85	650
Sandy clay	30	40	Dry sand (mica noted)	10	660
Coarse sandstone	30	70	Red rock	140	800
Yellow clay	35	105	Anhydrite?	20	820
Coarse varicolored conglomerate	50	155	Red rock	35	855
Permo-Triassic Red Beds:			Anhydrite?	10	865
Red bed	10	165	Red rock	90	955
Red rock	35	200	Rustler formation:		
Dark shale	50	250	Anhydrite	145	1,100
Sand, water	35	285	Blue shale	5	1,105
Red mud	10	295	Anhydrite (water at 1,145 feet)	55	1,160
Sand	5	300	Limestone	20	1,180
Quicksand	25	325	Anhydrite	30	1,210
Blue shale	20	345	Lime and anhydrite	10	1,220
Brown shale	30	375	Blue shale	55	1,275
Quicksand	15	390	Limestone	25	1,300
Brown sand and shale (some mica specks at 430-445 feet)	95	485	Blue shale	20	1,320
Sand, water (Hole full of water)	15	500	Light shale	20	1,340
Brown shale	5	505	Anhydrite and red rock	20	1,360
Red rock	20	525	Anhydrite	5	1,365
Red shale	10	535	Limestone	5	1,370
Red rock	25	560	Anhydrite	30	1,400
Varicolored hard sandstone	5	565			

Top of Castile formation at 1,400 feet. Top of Delaware Mountain formation (black line) at 1,400 feet. Initial production show of oil at 1,565 feet. Made  $\frac{1}{2}$  bailers of water an hour. Total depth 4,574 feet.

Well L-62. (Pinal Dome Corp. No. 1 Means, 13 $\frac{1}{2}$  miles northeast of Mentone.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Permo-Triassic Red Beds:			Rustler formation-Continued.		
Red sand and clay	200	200	Red beds	21	803
Fine sandy to earthy red beds, polka-dotted with green reduction spots	350	550	Anhydrite	17	820
Rustler formation:			Sandstone, gray, very fine-grained, finely laminated and cross-bedded	80	900
Anhydrite	30	580	Limestone, magnesian and cellular	11	911
Anhydrite with sandy, gypsiferous, and red bed breaks	120	700	Red beds, fine sandy to earthy, with anhydrite breaks and showing of halite crystals	9	920
Red shale with brecciated gypsum and anhydrite	51	751			
Limestone, magnesian and cellular; Water at 760 feet, 4 bailers an hour; at 775 feet could not bail down	31	782			

Description of the red beds and of the Rustler formation from Lang, W. B., upper Permian Formation of Delaware Basin of Texas and New Mexico: Am. Assoc. Petroleum Geologists Bull., vol. 19, no. 2, pp. 262-270, February, 1935. Top of Castile formation at 920 feet. Top of Delaware Mountain (black line) formation at about 4,995 feet. Total of 1,391 feet of salt beds, Hoots H. W., Geology of a part of Western Texas and Southeastern New Mexico: U. S. Geological Survey Bull. 780-B, 1925. Total depth of well 5,200 feet.

Well L-66. (Owen and Sloan No. 1 Johnson, 8 $\frac{1}{2}$  miles north of Mentone.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium and Permo-Triassic Red Beds:			Rustler formation:		
Sand	2	2	Limestone (anhydrite?)	27	482
"Gyp" (Caliche)	10	12	Anhydrite	18	500
Sand and clay	133	145	Red shale	10	510
Red mud and sand	10	155	Anhydrite (fresh water at 610 feet)	114	624
Red sand	20	175	White mud	6	630
Red rock	15	190	Red rock	8	638
Red mud	10	200	Limestone	72	710
Red rock	25	225	Blue shale	7	717
Red mud	5	230	Red shale	8	725
Red rock	5	235	Anhydrite	10	735
"Shells" (Hard and soft streaks)	18	253	Red shale	10	745
Red rock	34	287	Anhydrite	10	755
Lime?	38	325	Red rock	7	762
Red rock	3	328	Blue rock	13	775
Shale	40	368	"Shells" (Hard and soft streaks)	15	790
"Shells" (Hard and soft streaks)	12	380	Fine sand (Hole full of salt water)	40	830
Red sand	27	407	Red rock	90	920
Red rock	48	455	Anhydrite	35	955

Top of Castile formation at 955 feet. Top of Delaware Mountain (black line) formation at about 4,350 feet. Total depth 4,808 feet. Initial production none.



Well L-93. (Fred Landreth,  $4\frac{1}{2}$  miles west of Mentone.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Alluvium-Continued.		
Buff silt	1	1	Clayey, fine brown sand	2	6
Brown clay with concoidal fracture and containing small, fresh-water gastropod shells	2	3	Grayish-yellow gypsite	4	10
Clayey, buff silt	1	4	Fine, cross-bedded, buff sand	5	15
			Medium-grained, cross-bedded buff sand	1	16
			Coarse sand and gravel	1+	17+

Located on bank of Pecos River,

Well L-100. (Standard of Texas Oil Co. water well,  $1\frac{3}{4}$  miles northeast of Mentone.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium and Permo-Triassic Red Beds:			Alluvium and Permo-Triassic Red Beds:		
Caliche	12	12	Red sandy shale (well will yield 238 barrels of water in 24 hours)	5	165
Red sand	5	17	Red sandy shale	10	175
Caliche	23	40	Red rock	45	220
Red sand	5	45	Red shale	4	224
Red rock	80	125	Rustler formation:		
Water sand (yields 100 barrels water in 24 hours)	5	130	Anhydrite	36	260
Red rock	10	140	Pink shale	5	265
Red sandy shale	20	160	Red shale	10	275
			Anhydrite	2	277

Pumped at rate of 514 barrels in 24 hours without exhaustion.

Well L-101. (The California Co.,  $2\frac{1}{2}$  miles north of Mentone.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Rustler formation-Continued.		
Caliche	15	15	Anhydrite	45	400
Gravel	12	27	Sand, water (hole full of water at 410 feet)	10	410
Permo-Triassic Red Beds:			Anhydrite	35	445
Sandy shale	68	95	Gray limestone	95	540
Red shale	70	165	Blue shale	5	545
Sand, water	20	185	Red bed	50	595
Red bed	15	200	Anhydrite	45	640
Red shale	60	260	Hard, dark lime	20	660
Red bed	40	300	Hard lime	25	685
Rustler formation:			Blue shale	10	695
Anhydrite	30	330	Red bed	10	705
Red bed	10	340	Red shale	25	730
Anhydrite	10	350	Gray lime	30	760
Red bed	5	355			

Continued--

Well L-101--Continued.(The California Co.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Rustler formation--Continued			Rustler formation--Continued.		
Anhydrite and lime	45	805	Red beds	5	865
Anhydrite	50	855	Anhydrite	40	905
Red shale	5	860			

Top of Castile formation at 905 feet. Base of salt section at 4,104 feet. Top of Delaware Mountain (black lime) formation at 4,316 feet. Total depth 4,365 feet. Initial production 133 Barrels of oil in 16 hours.

Well L-104. (Hopper and King water well, in Montone.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Permo-Triassic Red Beds:		
Topsoil, gypsite and caliche	31	31	Deep red silty clay, slightly calcareous	79	124
Fine to medium-grained yellow sand with some gravel. 75 per cent of sand is well-rounded gypsum, remainder is quartz. Gravels up to 1/2-inch diameter are quartz and angular igneous rocks. Sand would yield 8-10 gallons a minute, bailer test	10	41	Silty fine red sand with bluish-gray reduction spots, gypsiferous	30	154
Gypsiferous, dark blue clay with scattering chert pebbles and selenite crystals	4	45	Buff gypsum sand containing a few small selenite crystals.	6	160
			Powdery white gypsum	35	195
			Gypsiferous reddish-brown clay	10	205
			Hard buff gypsum	30	235
			Blue shale	3	238
			Medium-grained gray gypsum sand, water	5	243
			Blue and purple shale	3	246

Log compiled from examination of drill cuttings.

Well L-111. (L. Weeks, 2 1/2 miles southwest of Montone.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Alluvium-Continued.		
Sandy buff silt (one 6-inch stratum of brown clay at about 2 1/2 feet)	16	16	Fine white sand, water	14	33
Gypsiferous brown and gray clay	3	19	Hard clay	9	42
			Water sand	4	46
			Sand and clay	14	60

W E L L L O G S

Reeves County

Well R-6. (Frankley-Rice No. 1 Tunstill,  $4\frac{1}{2}$  miles northeast of Orla.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Rustler formation:			Rustler formation:-Continued.		
Limestone, sand and gypsum..	110	110	Gypsum, sandstone, limestone and red shale	180	600
Gypsum, limestone and red shale	70	180	Castile formation:		
Sandstone and gypsum	60	240	Salt, anhydrite and limestone	2,650	3,250
Gypsum and limestone	100	340	Delaware formation:		
Limestone	80	420	Black shaly limestone	30	3,280
			Sandstone	30	3,310

Well R-7. (General Crude Oil Co. No. 1 T.X.L.,  $4\frac{1}{4}$  miles east of Orla.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Castile formation-Continued.		
Sand	25	25	Shale	38	1,253
Sand and "shells"	115	140	Salt	14	1,272
Sand and gravel	60	200	Red bed	23	1,300
Rustler formation:			Red beds and anhydrite	30	1,330
White limestone	10	210	Salt	30	1,360
Brown limestone and anhydrite	90	300	Red bed and anhydrite	12	1,372
Brown sandstone and anhydrite	85	335	Blue shale and anhydrite	10	1,382
Red beds	20	405	Anhydrite	213	1,595
Red beds and anhydrite	58	463	Salt	150	1,745
Castile formation:			Anhydrite	97	1,842
Limestone and salt	67	530	Salt	222	2,064
Anhydrite	130	710	Anhydrite	36	2,100
Anhydrite and salt	300	1,010	Limestone and anhydrite	132	2,232
Red bed	25	1,035	Gray limestone	8	2,240
Salt	75	1,110	Delaware formation:		
Anhydrite	110	1,220	Black limestone	15	2,255
			Sandstone and limestone containing pyrite	37	2,292

Well R-11. (Grisham-Hunter No. 1 Ramsey, Abrams, and Fraser, 2 $\frac{1}{2}$  miles southwest of Orla.

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Older alluvium:			Castile formation-Continued.		
Caliche	12	12	Shale	15	1,200
Sand	16	28	Gray limestone	15	1,215
Hard sand	19	47	Brown limestone, water	25	1,240
Sand	93	140	Limestone	90	1,330
Red sandy shale	25	165	Anhydrite	105	1,435
Sand, water	60	225	Blue shale	60	1,495
Sand	35	260	Anhydrite	110	1,605
Blue sandy shale	60	320	Sandy limestone	10	1,615
Sand, water	8	328	Sandy anhydrite, show of gas	30	1,645
Gumbo	7	335	Anhydrite	315	1,960
Brown shale	4	339	Black carbonaceous shale	60	2,020
Blue shale	3	342	Anhydrite	175	2,195
Gravel	6	348	Hard sand, water	65	2,260
Blue shale	2	350	Anhydrite	80	2,340
Sand, water	3	353	Sandy limestone	20	2,360
Rustler formation or Permo-Triassic Red Beds:			Anhydrite	288	2,643
Anhydrite	47	400	Salt	122	2,770
Red shale	5	405	Gray limestone	35	2,805
Anhydrite	1	406	Hard gray sandstone	10	2,815
Red rock	14	420	Gray limestone	132	2,947
Anhydrite	90	510	Delaware formation:		
Blue shale	5	515	Black limestone	26	2,973
Red shale	30	545	Sandy, calcareous shale show of oil	12	2,985
Anhydrite	5	550	Dark sandy shale	30	3,015
Red rock	17	567	Black limestone, show of oil	5	3,020
Rustler formation:			Gray sand	50	3,070
Anhydrite	23	590	Blue sandy shale	25	3,095
Sandy shale	10	600	Hard sand	15	3,110
Red shale and gypsum	6	606	Sandy shale, water	5	3,115
Red rock	7	613	Black limestone	24	3,139
Anhydrite	17	630	"Shells" and sandy shale	8	3,147
Gray limestone, water	20	650	Hard gray sand, show of gas	28	3,175
Anhydrite	7	657	Sandy shale and "shells"	25	3,200
Blue shale	5	662	Sand, show of oil	13	3,213
Anhydrite	28	690	Blue sandy shale	7	3,220
Red shale	10	700	Gray sand, show of oil	15	3,235
Anhydrite	7	707	Sand and shale	25	3,260
Castile formation:			Black limestone	8	3,268
Salt	88	795	Sand	11	3,279
Limestone	5	800	White calcareous sand, water	21	3,300
Brown shale	10	810	Gray sandy limestone	15	3,315
Hard limestone	5	815	Sand, water	7	3,322
Hard sandy limestone, water	10	825	Calcareous gray sand stone	21	3,343
Anhydrite	35	860	Sand, water	7	3,350
Salt	170	1,030			
Anhydrite	15	1,045			
Salt	105	1,150			
Blue salt	25	1,175			
Hard sandy limestone	10	1,185			

Well R-17. (World Oil Co. No. 1 B. T. Biggs, 8 $\frac{1}{2}$  miles southwest of Orla.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Older alluvium:			Rustler and Castile formations-Continued.		
Gypsum	40	40	Blue shale	10	770
Yellow clay	20	60	Red shale	20	790
Blue shale	310	370	Anhydrite	20	810
Gray shale	25	395	Red shale	10	820
Gray limestone	10	405	Anhydrite	45	865
Gypsum	30	435	Anhydrite and red shale	15	880
Blue shale	5	440	Anhydrite	30	910
Gray limestone and gypsum	5	445	Blue shale	80	990
Anhydrite	15	460	Anhydrite	13	1,003
Red shale	5	465	Red rock	7	1,010
Sand and gravel, water	5	470	Anhydrite	5	1,015
Permo-Triassic Red Beds:			Blue shale	15	1,030
Red shale	5	475	Anhydrite	510	1,540
Red beds	15	490	Show of oil from 1,500-1,515 feet		
Red rock	110	600	Anhydrite and limestone	20	1,560
Anhydrite	20	620	Anhydrite	60	1,620
Red rock	10	630	Brown limestone	15	1,635
Rustler and Castile formation:			Anhydrite	30	1,665
Anhydrite	85	715	Limestone	10	1,675
Gray limestone	30	745	Anhydrite	50	1,725
Anhydrite	15	760	White limestone	15	1,740

Well R-31. (Massario Lara, 26 miles southeast of Orla.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Older alluvium:			Older alluvium-continued.		
Gypsum; nearly pure granular fine to coarse with some large selenite crystals	40	40	Coarse gypsum sand. Most of grains flaky rather than rounded	8	98
Cream colored plastic, clayey gypsum	15	55	Coarsely crystalline gypsum	19	117
Light blue-gray water-tight clay	13	68	No sample	5	122
Medium grained light gray sand Probably 80% or more is gypsum Frosted and well rounded character of gypsum grains suggests gypsum dune sand	17	85	Coarsely crystalline gypsum	58	180
Light blue-gray plastic clay	5	90	Nearly white gypsiferous clay	18	198
			Coarse gray sand. Grains consist of chert, flint, quartz and gypsum	7	205

Well R-32. (J. E. Couch, 26 $\frac{1}{2}$  miles southeast of Orla.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Older alluvium:			Older alluvium-Continued.		
Conglomerate	20	20	Blue clay	45	140
Buff gypsiferous silt	25	45	Soft yellow siltstone or		
Gypsum?; salty water	5	50	fine sandstone	15	155
White gypsum? and clay	45	95	Sand and gravel	5	160

Well R-51. (Dunnigan Bros. and Brahaney No. 1 H. E. Johnson, 8 miles northwest of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium:			Castile formation:		
Surface sand	14	14	Salt, limestone and		
Older alluvium:			anhydrite	33	2,925
Sand and gravel	136	150	Anhydrite and limestone	53	2,978
Sand	250	400	Salt and anhydrite	122	3,100
Sand and gravel	78	478.	Limestone	15	3,115
Blue shale	37	515.	Salt	18	3,133
Sand	25	540	Anhydrite and limestone	165	3,298
Blue shale and sand	280	820	Salt and anhydrite	198	3,496
Sand and gravel	40	860	Anhydrite and limestone	45	3,541
Permo-Triassic Red Beds?			Salt and anhydrite	419	3,960
White "slate"	130	990	Anhydrite and limestone	90	4,050
Blue shale	260	1,250	Salt	100	4,150
Red rock and "gyp"	90	1,340	Anhydrite and limestone	179	4,329
Blue shale	140	1,480	Delaware formation:		
Black limestone	5	1,485	Black limestone	25	4,354
Red shale	15	1,500	Sand and limestone	7	4,361
Sand and shale	20	1,520	Black calcareous shale	19	4,380
Shale and anhydrite	30	1,550	Gray sand and shale	34	4,414
Brown shale	15	1,565	Black sandy shale	6	4,420
Red rock	164	1,729	Gray sand	13	4,433
Rustler formation:			Black sandy shale	59	4,492
Anhydrite	36	1,765	Gray sand, water	47	4,539
Dolomite and anhydrite	170	1,935	Black sandy shale	25	4,564
Anhydrite	10	1,945	Gray sand, water	22	4,586
Dolomite	180	2,125	Black shale	6	4,592
Anhydrite and blue shale	645	2,770	Gray sand, water	96	4,688
Anhydrite, water	50	2,820	Show of gas and oil reported		
Limestone and anhydrite, water	72	2,892	at numerous depths in the		
			Delaware.		

Well R-61. (Leo Mears,  $3\frac{1}{2}$  miles northwest of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Gypsiferous silt	3	3	Buff to yellow clay	24	53
Caliche	1	4	Sand and gravel	3	56
Red clay	11	15	Buff to yellow clay	59	115
Greenish-gray clay	8	23	Sand and gravel	9	124
Sand and gravel	6	29	Clay	2	126

Well R-65. (W. H. Sherman,  $3\frac{1}{2}$  miles northwest of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Gypsum and gypsiferous silt	6	6	Clay and gravel (sub- angular stream gravel)	5	67
Buff silt and clay probably gypsiferous	34	40	Sand and gravel (sub- angular stream gravel)	7	74
Sand and gravel mostly sub- angular (stream gravel)	10	50	Clay (sub-angular stream gravel)	2	76
Clay	12	62			

Well R-82. (Artie Baker oil test,  $2\frac{1}{2}$  miles west of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger Alluvium:			Younger alluvium-continued.		
Buff gypsiferous silt	30	30	Fine quartz sand	10	310
Water at 26 feet			Heaving sand, water	50	360
Cretaceous:			Limestone	25	385
Gray limestone	52	82	Sand, water	18	403
Gray marl	128	210	Buff to gray sandy limestone with pyrite crystals	7	410
Heaving sand, water	10	220	Bright red fine sand	20	430
Gray limestone	10	230	Total depth 500 feet.		
Heaving sand, water	35	265			
Limestone	35	300			

Well R-94. (E. L. McDaniel, 4 $\frac{1}{2}$  miles west of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Sandy topsoil	5	5	Coarse sand and gravel,		
Coarse sand and gravel	4	9	water	4	115
Clay, sandy clay, and gypsum	67	76	Clay with one four foot		
Perched water at 40 feet			bed of sand and gravel	40	155
cased off			Sand and gravel	4	159
Coarse sand and gravel, water	9	85	Clay	4	163
Yellow clay	26	111	Sand and gravel	7	170

Well R-97. (Harold Wendt, 4 $\frac{1}{2}$  miles west of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Soil	3	3	Buff clay	23	174
Buff silt and clay	54	57	Gravel, water	7	181
Gravel, water	11	68	Buff clay	11	192
Buff clay and silt	67	135	Gravel and sand, water	9	201
Fine gravel and sand, water	16	151	Blue shale	1	202

Well R-98. (Harold Wendt, 4 $\frac{1}{2}$  miles west of Pecos.)--dry hole

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Older alluvium:			Older alluvium-Continued.		
Gypsiferous clay	21	21	Conglomerate	11	185
Gravel, water	2	23	Buff to brown clay	8	195
Yellowish-buff clay	130	153	Conglomerate	7	200
Conglomerate	11	164	Brown clay	8	208
Clay, buff color	6	170	Blue shale	7	215
Blue shale	4	174			

Well R-99. (M. L. Todd, 5 $\frac{1}{2}$  miles west of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Clay	58	38	Gravel	5	155
Sand and gravel	10	48	Clay	20	155
Clay	67	115	Gravel	4	159
Gravel	13	128	Clay	21	180
Clay	2	130			



Well R-121. (Jake Portervant, in Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Fine sandy silt	2	2	Sand and gravel, flowing		
Gypsum with a little silt	13	18	water	5	131
Fine buff sand and gypsum	22	40	Clay (yellow)	8	139
Yellow clay	80	120	Coarse sand and gravel,		
Blue shale	6	126	flowing water	4	143

Well R-125. (J. W. Duncan, in Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Gypsite.	20	20	Conglomerate, sand and		
and gravel, water	25	45	gravel, flowing water	18	173
Brown to buff silt and clay			Light gray clay	21	194
with gypsum lenses	50	95	Sand and gravel, flowing		
sand and gravel, water	8	103	water	15	209
Gypsite, gypsum and clay	52	155	Buff clay and silt.	1	210

Well R-151. (Tickerson and Guies, in Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Gypsiferous silt	43	43	Clay	74	174
Buff sandy shale	12	55	Sand and gravel,		
Sand and gravel	3	58	flowing water	10	184
Buff sandy shale	12	70	Clay	12	196
Buff clay silt	15	85	Gravel, flowing water	2	198
Sand	15	100			

Well R-171. (R.P. Morrison, in Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Gypsite	6	6	Fine sand to silty		
Buff clay	10	16	gypsum	58	198
Sand and gravel	3	19	Coarse sand, mostly angular		
Buff fine sand and silty clay	23	42	to sub-angular grains of		
Fine to medium buff sand	18	60	quartz, volcanics, lime-		
Clay	65	125	stones, and caliche cemented		
Gravel and coarse sand.			sand; flowing water	10	208
Pebbles of volcanics			Silts and clays	47	255
limestone and chert,			Coarse sand, flowing water	5	260
flowing water	5	130	Clay	10	270

Well R-264a. (Jim Deakins, in Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Gypsite	20	20	Clay and silt	85	180
Sand and gravel	10	30	Gypsum, flowing water	30	210
Buff gypsiferous silty clay	55	85	Clay	20	230
Sand and gravel	10	95	Sand and gravel, flowing water	20	250

Well R-280. (R. D. Copeland, 2½ miles southwest of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Buff gypsiferous clayey silt	30	30	Buff to light brown clay	17	158
Sand and gravel, water	10	40	Sand and gravel	10	168
Buff gypsiferous clayey silt	20	60	Clay	20	188
Sand and gravel, water	10	70	Gravel and sand, artesian water	3	191
Clay and silt	38	108	Buff to yellowish clay	27	218
Sand and gravel, water	8	116	Blue shale	32	250
Interbedded clay and silt	22	138			
Sand and gravel, water	3	141			

Well R-281. (W. A. Gardner, 3 miles southwest of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
White gypsum	30	30	Gravel and sand, water	10	140
Gravel, water	8	38	Clay	5	145
Clay, including 3 strata of sand and gravel carrying water	92	130			

Well R-282. (A. R. Eppenauer, 3 miles southwest of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Gypsum	8	8	Yellow clay	29	155
Sandy clay	33	41	Blue clay	20	175
Sand and coarse gravel, water	7	48	Blue clay mixed with gravel	21	196
Yellow clay	28	76	Gray clay	12	208
Pack sand with some clay	16	92	Yellow clay	29	237
Yellow clay	11	103	Clay and sand	11	248
Coarse gravel sand, water	7	110	Yellow clay	37	285
Yellow clay	14	124	Clay and sand	5	290
Sand, little water	2	126	Yellow clay	10	300

Well R-287. (B.G. Smith, 3 $\frac{1}{2}$  miles west of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Buff gypsiferous silt	45	45	Clayey fine sand	3	106
Sand and gravel, water	4	49	Yellow to light brown		
Yellow clay and silt	8	57	clay and silt	24	130
Clayey fine sand	10	67	Sand and gravel,		
Yellow clay and silt	36	103	water	5	135

Well R-296. (May and Bitten No. 1 Patterson, 14 $\frac{3}{4}$  miles west of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Older alluvium:			Older alluvium-Continued.		
Caliche	26	26	Anhydrite	190	1,790
Gray shale	65	91	Black shale	5	1,795
Sandy shale	25	116	Brown limestone	5	1,800
Blue shale	64	180	Hard gray limestone	30	1,830
Sandy shale, water	60	240	Anhydrite	65	1,895
Blue shale	35	275	Gray limestone	85	1,980
Gray sandy shale	35	310	Anhydrite	110	2,090
Cretaceous:			Limestone	150	2,240
Brown limestone	124	434	Red anhydrite	35	2,275
Blue shale	216	650	Limestone	30	2,305
Sand, water	3	653	Limestone and		
Dark shale	25	678	sandstone	20	2,325
Broken sand	8	686	Castile formation:		
Blue and white shale	38	724	Anhydrite with thin		
Brown limestone	4	728	limestone lenses	240	2,565
Brown sandstone	15	743	Limestone	20	2,585
Brown limestone	2	745	Anhydrite	40	2,625
Permo-Triassic Red Beds:			Red shale	7	2,632
Red rock	115	860	Red anhydrite	8	2,640
Red shale	20	880	Gray limestone	95	2,735
Red rock	220	1,100	Brown shale	20	2,755
Rustler formation:			Anhydrite	25	2,780
Anhydrite and limestone	120	1,220	Gray limestone	50	2,830
Blue shale	5	1,225	Anhydrite and blue		
Anhydrite	50	1,275	shale	15	2,845
Blue shale	5	1,280	Gray limestone	45	2,890
Sand, flowing sulphur water	40	1,320	Sandy shale	20	2,910
Brown sandy limestone	18	1,338	Gray limestone	900	3,810
Limestone	27	1,365	Brown sandy limestone	124	3,934
Anhydrite	55	1,420	Delaware formation:		
Sandy shale, sulphur water	15	1,435	Black limestone	16	3,950
Sand, sulphur water	12	1,447	Gray sandy limestone	25	3,975
Anhydrite	13	1,460	Sandy shale,		
Blue shale	40	1,500	water	30	4,005
Sandy shale	10	1,510	Gray sandy limestone	60	4,065
Red rock	2	1,512	Sandy shale	38	4,103
Anhydrite	63	1,575	Dark limestone	22	4,125
Blue shale	25	1,600	Sandstone	8	4,133

Well R-298. (Grisham and Hunter No. 1 Montgomery, 17½ miles west of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium:			Permo-Triassic Red Beds:		
Gravel and shale	60	60	Red shale and "shells"	275	1,065
Older alluvium (and Cretaceous?)			Red shale and limestone	40	1,105
Limestone and shale	70	130	Red shale	115	1,220
Gray and green shale	120	250	Rustler and Castile formations:		
Shale, limestone and gypsum	275	525	Anhydrite and shale	135	1,355
Limestone	55	580	Dolomite and anhydrite	510	1,865
Sand, flowing sulphurwater	10	590	Limestone and anhydrite	645	2,510
Limestone	10	600	Gray shale, anhydrite and limestone	925	3,435
Sand, flowing sulphurwater	8	608	Anhydrite and limestone	420	3,855
Limestone and anhydrite	77	685	Delaware formation:		
Sand, flowing sulphurwater	35	720	Black limestone	60	3,915
Limestone, shale and sand	70	790	Sandstone	150	4,065

Well R-305. ( R. L. Parker, 24½ miles west of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium:			Cretaceous-Continued.		
Caliche	18	18	Shale	15	75
Cretaceous:			Limestone	5	80
Shaly blue limestone	7	25	Sandy limestone	5	85
Sandy shale	25	50	Limestone	3	88
Limestone	10	60			

Well R-364. (Barnowsky, 12½ miles southwest of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Soil	8	8	Clay	62	132
Clay and gypsite	43	51	Gravel and sand, water	8	140
Sand and gravel, water	11	62	Clay	66	206
Clay	3	65	Sand and gravel, water	7	213
Sand and gravel, water	5	70	Clay	4	217

Well R-367. (S. M. Prewit, 13 miles south of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Soil	9	9	Light Yellow clay	23	153
Sand, water	11	20	Gypsite	1	154
Sand and gravel, water	19	39	Light red clay	11	165
Yellow clay	19	58	Gravel, water	3	168
Sand and gravel	5	63	Red clay	3	171
Yellow clay	45	108	Sand, water	7	178
Pinkish Red Clay	22	130	Clay	7	185

Well R-367.-Continued.(S.M. Prewit, 13 miles south of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Sand and gravel, water	9	194	Yellow clay	4	345
Clay	9	203	Gravel	8	353
Sand and gravel	9	212	Yellow clay	1	354
Clay	18	230	Gravel and sand	4	358
Blue "shale"	100	330	Yellow clay	25	383
Yellow clay	9	339	Gravel and sand	4	387
Gravel	2	341	Yellow clay	13	400

Well R-373. (J. H. Sudbrock, 12 $\frac{1}{2}$  miles southwest of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Gypsite and clay	24	24	Clay-buff	12	92
Light clay	23	47	Sand and gravel, water	6	98
Brown sand, water	10	57	Clay buff	19	117
Light clay	15	70	Sand and gravel	15	132
Sand and gravel, water	10	80	Light red clay	5	137

Well R-377. (W. E. Beckham, 11 $\frac{3}{4}$  miles southwest of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
White to cream colored silty and calcareous gypsum	25	25	Light greenish-gray (bentonite?) clay and buff silt in about equal amounts	5	70
Buff silt and calcareous gypsum in approximately equal amounts	5	30	Buff water-tight (bentonite?) clay	5	75
Fine sandy buff silt without $\frac{1}{4}$ calcareous gypsum	10	40	Buff gypsiferous clay and silt	15	90
Buff silty fine sand. Sand grains as well as silt composed largely of calcareous gypsum	20	60	Silty fine to coarse brown sand Grains angular and composed largely of volcanic fragments,		
Gravel up to one inch in diameter and medium to coarse sand. Gravel pebbles largely volcanics, water	5	65	water	5	95

Well R-378. (John Wendt, 11 miles south of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Silt and gypsite	36	36	Gravel, water	45	190
Gravel, water	35	71	Clay	5	195
Clay	74	145			

Well R-406. (S. M. Prewit,  $7\frac{3}{4}$  miles south of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Buff fine sandy silt	2	2	Silty to clayey fine		
Buff silty, gypsiferous			gypsiferous sand	35	140
clay	8	10	Blue-gray clay. Contains some		
Buff clay with some			calcareous fragments	25	135
selenite crystals	22	32	Fine angular to rounded		
Buff to gray silt and			gravel. Pebbles mostly		
fine sandy containing			volcanics, flints and		
gravel lenses, water	73	105	cherts, water	3	168

Well R-408. (S. M. Prewit, 11 miles south of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Buff gypsiferous silt	2	2	Fine sand	8	45
Gypsum seeps of water at 14			Buff gypsiferous silt	17	62
feet	34	36	Yellow clay	8	70
Gravel	1	37	Medium sand, water	1	71

Well R-409. (S. M. Prewit,  $9\frac{3}{4}$  miles southwest of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Silty, gypsiferous fine			Greenish-gray clay	9	75
sand	14	14	Gray gypsiferous clay	20	95
Gypsum	6	20	Medium gypsum sand	8	103
Gypsiferous fine to			Gypsiferous medium sand, water		
medium sand, water	1	21	rose to within 12 feet of		
Reddish-buff fine sandy			surface	7	110
clay	21	42	Buff water-tight clay	14	124
Gray clay	16	58	Brown, medium to coarse sand,		
Buff clayey silt	8	66	water	1	125

Well R-411. (Forest Development Co. Core Hole,  $8\frac{3}{4}$  miles south of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium:			Older alluvium-Continued.		
Gray calcareous shale	10	10	Conglomerate	40	160
Gray shale	10	20	Buff shaly sandstone	20	180
Buff, calcareous, sandy			Conglomerate	20	200
shale	10	30	Calcareous and		
Older alluvium.			argillaceous,		
Conglomerate	30	60	conglomerate with		
Buff gypsiferous shale	10	70	re-worked cretaceous		
Buff shale	50	120	fossils	10	210

Continued.--

Well R-411.-Continued (Forrest Development Co. Core Hole.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Older alluvium-Continued.			Permo-Triassic,-Continued.		
Sandy conglomerate	30	240	Red and buff shale with		
Gravel	20	260	thin beds of gray shale	70	780
Pink to buff shale	50	310	Gravel and red shale	10	790
Gravel	10	320	Buff shale	20	810
Buff to pink sandy shale	30	350	Buff shale and anhydrite	10	320
Gravel	20	370	Buff and red sandy shale	240	1,060
Triassic:			Red shale	60	1,120
Red shale	130	500	Dense gray limestone	5	1,125
Red sandy shale	20	520	Red and gray shale	25	1,150
Red and gray sandy shale	50	570	Buff and red shale and		
Red shale	30	600	anhydrite	70	1,220
Red sandy shale	30	630	Rustler formation:		
Permo-Triassic Red Beds.			Anhydrite with buff and		
Buff to red shale	30	660	red shale	110	1,330
Gray, buff and red shale	20	680	Tan dolomite, flowing		
Red and buff shale and anhydrite	30	710	sulphur water	30	1,360

Well R-419. (Pecos City, 9½ miles southeast of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium:			Triassic-continued.		
Soil	10	10	Yellow clay	16	119
Triassic:			Red sand shale	17	133
Red sand rock	20	30	Red sand, water	6	142
Conglomerate	10	40	Light sand	5	147
Red sand rock	5	45	Dry sand	13	160
Conglomerate	20	65	Red sand rock and clay	17	177
Yellow clay	5	70	Sand and "honey comb",		
Conglomerate	14	84	water	6	183
Sand and "honey comb", water	19	103	Red sand rock	4	187

Well R-420. (Pecos City, 9½ miles southeast of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium:			Triassic-Continued.		
Top soil, sand and caliche	24	24	Yellow sand, loose rock	14	107
Triassic:			Yellow clay and rock	3	110
Brown sandstone and clay	6	30	Red sandstone, water	44	154
Hard white sandstone	23	53	Red shale	11	165
Yellow clay with a little			Red sandstone, water	26	191
sand and very small amount			Red sand and clay	20	211
of water	27	80	Bottom 20 feet filled back		
Red sand, water	13	93	and cemented off.		

Well R-421. (Pecos City,  $9\frac{1}{2}$  miles southeast of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium:			Triassic-continued.		
Top soil and caliche	30	30	Red clay	13	166
Triassic:			Red sandstone, water	7	179
Red sandstone, yellow clay	5	56	Red clay	28	204
Brown rock, clay in seams			Sand and black gravel, water	6	210
a little water at 80 feet	44	80	Red clay	4	214
Red sandstone	10	90	Red sandstone, gravel, water	5	219
Red sandstone and gravel	20	110	Red sandstone	11	250
Red sandstone	8	113	Red clay	2	232
Red clay	1	119	Red sandstone	13	245
Red sandstone, water	29	148	Red clay	2	247
Red clay	8	156	Red sandstone	28	275
Very hard red sandstone	10	166	Red clay	25	300

Well R-422. (R. D. Irion,  $9\frac{3}{4}$  miles southeast of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium:			Triassic-Continued.		
Sand, angular caliche, boulders and pebbles	18	18	Red sandstone, water	21	96
Triassic:			Red shale	8	104
Red sand rock	57	75	Red sandstone, water	7	111

Well R-426. (H. F. Anthony,  $13\frac{1}{2}$  miles east of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium:			Triassic:		
Gypsiferous sand and gravel	10	10	Red sandstone with thin beds of red clay interstratified	51	76
Older alluvium:			Red sandstone and fine conglomerate. Pebbles up to $\frac{1}{8}$ -in. in diameter	4	80
Yellowish-red medium grained sandstone	10	20			
Buff fine sand	5	25			

Well R-439. (Anthony and Tubbs, 22 miles southeast of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Caliche	8	8	Reddish-brown sand and gravel	15	86
Conglomerate	17	25			
Light reddish-brown sands with some silt and a little gravel	46	71			



Well R-457. (Brewster oil test, 16 miles southeast of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Loose sand and caliche	17	17	Red beds. Largely red sandstone but with interbedded red shale	403	420

Well R-465. (A.R. Eppenauer, 16 miles south of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Permo-Triassic Red Beds?		
Sand and caliche	20	20	Red shaly sandstone	50	1,280
Sand and clay	17	37	Greenish-gray sandy shale	50	1,330
Shale and sand, water	51	88	Red and gray sandy to gravelly shale	90	1,420
Boulders, shale and shells	105-	193	Calcareous sandy gray shale	100	1,520
Shale	42	235	Rustler formation Gypsum and red shale	30	1,550
Calcareous sand	25	260	Calcareous gypsum with red shale beds	90	1,640
Igneous gravel and sand	20	280	Cream dolomite	40	1,680
Calcareous igneous gravel sand sand	130	410	Dolomite and red sandstone	10	1,690
Cretaceous:			Dolomite, anhydrite and red shale	80	1,770
Sandy limestone and marl	170	580	Dolomite, anhydrite, red shale and sandstone		
Argillaceous sandstone rounded and frosted sand grains	50	630	rounded and frosted sand grains	30	1,800
Sandy limestone and marl	100	730	Dolomite, anhydrite and red shale	30	1,830
Red, brown and green gravel	80	810	Castile formation: Anhydrite and gypsum	170	2,000
Calcareous sand and gravel	160	970			
Light colored shale	90	1,060			
Calcareous shale	80	1,140			
Limestone, and marl	40	1,180			
Sandy limestone	50	1,230			

Well R-507. (Barilla Farms, 15 $\frac{3}{4}$  miles east of Pecos.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium:			Older alluvium:-Continued.		
Clay	70	70	Blue gumbo	50	300
Sand and gravel, water	5	75	Quick sand and gravel	10	310
Clay	25	100	Yellow caly	35	345
Quick sand and gravel, water	6	106	Sand, water	5	350
Older alluvium:			Yellow clay	60	410
Clay	44	150	Quick sand and gravel, water	30	440
Quick sand and gravel, water	4	154	Yellow clay	7	447
Clay and gumbo	96	250	Sand light rainbow of oil and a little gas	2	449

Well R-507-Continued. (Barilla Farms.)

	Thick- ness (foot)	Depth (foot)		Thick- ness (foot)	Depth (foot)
Older alluvium-continued.			Rustler formation:		
Yellow Clay	11	460	Lime and anhydrite	53	1,271
Permo-Triassic Red Beds:			Broken lime, sandy lime and some very hard lime	69	1,340
Red rock	25	485	Well started flowing at 1,276 feet.		
Lime shell	5	490	Lime and anhydrite	12	1,352
Red Cumbo	20	510	Broken lime with sand and red rock	13	1,365
Brown gumbo and shell	50	560	Hard broken lime	7	1,372
Hard sandy lime	4	564	Sand flow showed small increase	8	1,380
Soft sand, water	26	590	Blue shale	6	1,386
Red gumbo and shells	39	629	Anhydrite	14	1,400
Hardred sandwithbreaks of soft red mud	466	1,095			
Hard lime shell	8	1,103			
Lime and anhydrite	81	1,134			
Soft Red bed	34	1,218			

Well R-533. (Rudolph Hoefs,  $12\frac{3}{4}$  miles east of Saragosa.)

	Thick- ness (foot)	Depth (foot)		Thick- ness (foot)	Depth (foot)
Younger alluvium:			Younger alluvium-Continued.		
Gray loamy soil	4	4	Yellow clay	5	70
Red clay with pebbles	7	11	Cretaceous limestone and marl, water	130	200
Interbedded clay and coarse gravel	54	65			

Well R-534. (Rudolph Hoefs,  $10\frac{1}{2}$  miles east of Saragosa.)

	Thick- ness (foot)	Depth (foot)		Thick- ness (foot)	Depth (foot)
Younger alluvium:			Cretaceous-Continued.		
Top soil ..	15	15	Gray limestone	103	202
Boulders.	63	78	Limestone, marly and sandy in part; water	7	200
Buff, calcareous silt(pebbles probably from above.)	7	85	Brown sand.Grains of quartz and chert moderately	3	212
Cretaceous:			Gray limestone with thin sandy beds.	98	310
Light-gray to cream colored limestone (with buff silt from above)	9	94			

Well R-541. (Lynn Hamilton, at Saragosa.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Gypsiferous silt	4	4	Lime rock (caliche?)	10	30
Coarse gravel	16	20	Gravel, little water	68	140
Cemented gravel	3	23	Lime rock (caliche?)	6	154
Coarse gravel	17	40	Clay-yellow	2	156
Cemented gravel	6	46	Sand, water	2	158
Boulders	24	70	Gravel	2	160

Well R-544. (Sol Mayer, at Saragosa.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Soil	10	10	Gray silt or clay	100	150
Gravel	10	20	White limestone (caliche?)	7	157
Boulders	30	50	Gravel	33	190

Well R-546. (C. V. Cox, 2 miles east of Saragosa.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Soil	3	3	Buff silty clay	4	71
Volcanic gravel	45	48	Cemented volcanic gravel	3	74
Cemented volcanic gravel	7	55	Sand and volcanic gravel	6	30
Buff silty and fine sandy clay	9	64	Cemented volcanic gravel	20	100
Cemented volcanic gravel	3	67	Coarse sand	5	105
			Cemented volcanic gravel	3	108

Well R-551. (Sol Mayer,  $3\frac{1}{2}$  miles southwest of Saragosa.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Soil and gravel	6	6	Buff silty clay	5	190
Volcanic gravel	109	115	Cemented gravel	10	200
Buff silty clay	25	140	Coarse volcanic gravel, water	12	212
Loose volcanic gravel	37	177			
Alternating layers of clay and gravel	3	135			

Well R-553. (R.Q.Salters,  $3\frac{1}{2}$  miles southwest of Saragosa.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Soil	18	18	Angular fine volcanic gravel	10	86
Loose, well rounded, coarse volcanic gravel	23	41	Cemented gravel with boulders	10	96
Caliche cemented gravel	11	52	Loose gravel	12	108
Fine, well assorted sand	3	55	Greenish-colored volcanic flow rock in part highly weathered	10	118
Caliche cemented gravel	5	60	Coarse gravel and boulders	39	157
Loose gravel	12	72	Hole abandoned at 157 feet caving sand.		
"Rock" (large boulder?)	4	76			

Well R-558. (W.E.Gould in Balmorhea.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Coarse volcanic gravel and boulders	16	16	Volcanic flow rock (trachyte?) Water at 30 feet in trachyte.	42	58

Well R-563. (Carlos E. Payne, in Balmorhea.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium: Soil	5	5	Younger alluvium-Continued. Volcanic gravel	2	40
Volcanic gravel	15	20	Cretaceous: Limestone	1	41
Hard gray limestone (travertine or caliche)	18	38			

Well R-564. (J. B. Coffey, in Balmorhea.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium: Black soil	1	1	Younger alluvium -Continued. Sand and gravel	5	33
Clay and loose boulders	13	14	Cretaceous: Limestone	1	34
Sandrock	14	28			

Well R-565. (Hal Sprague, in Balmorhea.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium: Gravel	16	16	Younger alluvium-Continued. Conglomerate, water	7	34
Chalk rock (caliche)	3	19	Cretaceous: Marly limestone	20	54
Gravel	8	27			

PECOS COUNTY

Well P-2. (R. A. Charlsworth No. 1 Brandenburg, 31 $\frac{1}{2}$  miles north of Ft. Stockton.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium:			Rustler formation-Continued.		
Caliche	10	10	Anhydrite and shale	50	1,520
Red sand; water at 12 feet	40	50	.. Sulphur water at 1,440 feet.		
Permo-Triassic Red Beds:			Castile formation:		
Red rock	5	55	Anhydrite and salt	36	1,556
Sand	7	62	Gray shale	2	1,558
Red shale	68	130	Anhydrite and salt	107	1,665
Sand	10	140	Red rock	5	1,670
Red rock, water at 155 to 162 feet	15	155	Anhydrite and salt	25	1,695
Red shale	70	225	Anhydrite	30	1,725
Red rock	20	245	Blue shale	10	1,735
Red shale	20	265	Anhydrite	160	1,895
"Lime"	10	275	Anhydrite and shale	100	1,995
Red sand, water at 320 feet	45	320	Gray limestone	15	2,010
Red shale	25	345	Anhydrite	35	2,045
"Lime"	25	370	Limestone and anhydrite	13	2,058
Red sandy shale and red rock	570	940	Sandy limestone	7	2,065
Anhydrite and salt	40	980	Delaware formation:		
Red sandy shale	30	1,010	Brown limestone	5	2,070
Rustler formation:			Limestone and sandy limestone	170	2,240
Anhydrite "shells"	85	1,095	Limestone and sandy shale	18	2,258
Anhydrite and shale	75	1,170	Sand	12	2,270
Red rock and anhydrite	160	1,330	Brown limestone	12	2,282
Limestone,	140	1,470	Limestone and sandy limestone	68	2,350

Well P-3. (Texas-Mexico Oil Co. No. 4 Netterville, 31 $\frac{1}{2}$  miles north of Ft. Stockton.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium:			Rustler formation-Continued.		
Sand	15	15	Anhydrite and limestone	167	1,600
Caliche	5	20	Castile formation:		
Sandy red clay	10	30	Salt and anhydrite	29	1,620
Gravel	10	40	Anhydrite	10	1,630
Permo-Triassic Red Beds:			Anhydrite and salt	15	1,645
Red sandy shale	110	150	Anhydrite	40	1,685
Red sand	312	462	Salt	10	1,695
Red rock and shale	395	857	Anhydrite	10	1,705
Red rock	263	1,120	Blue shale	5	1,710
Blue shale	20	1,140	Anhydrite	215	1,925
Red rock	100	1,240	Salt and anhydrite	35	1,960
Rustler formation:			Anhydrite	60	2,020
Anhydrite and limestone	110	1,350	Delaware formation:		
Blue shale	10	1,360	Brown limestone	115	2,135
Anhydrite, sulphur water at 1,400 feet	73	1,433	Limestone and sandy limestone	265	2,400

Well P-7. (Marland Oil Co. No. 1 Blaksly, 27 miles north of Ft. Stockton.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium:			Rustler formation-Continued.		
Yellow clay	50	50	Anhydrite and limestone	146	1,160
Sand and gravel, water	20	70	Anhydrite	190	1,350
Permo-Triassic Red Beds:			Castile formation:		
Red rock	90	160	Salt and anhydrite	50	1,400
Sand, water	20	180	Anhydrite	95	1,495
Red and sandy shale	560	740	Salt	10	1,505
Red shale and gypsum	150	890	Anhydrite	20	1,525
Rustler formation:			Salt and anhydrite	235	1,760
Anhydrite	40	930	Anhydrite	100	1,860
Brown dolomite, water at 937 feet	25	955	Delaware formation:		
Gray dolomite	20	975	Gray limestone and anhydrite	90	1,950
Blue shale	39	1,014	Calcareous sandstone	150	2,100
			Sandy limestone	309	2,409

Well P-8. (Wm. Y. Penn No. 1 Tipton, 28 miles north of Ft. Stockton.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Permo-Triassic Red Beds?			Rustler and Castile formation:		
Sand shale and red rock	375	375	Anhydrite and limestone	24	1,819
Anhydrite and lime	15	390	Anhydrite	120	1,939
Permo-Triassic Red Beds:			Delaware formation:		
Red rock and shale	39	479	Limestone	183	2,122
Red rock and anhydrite	117	596	Sand, slight show of oil	4	2,126
Red rock	511	1,107	Limestone	104	2,230
Rustler and castile formation:			Shale	2	2,232
Anhydrite	100	1,207	Sand, water	33	2,265
Limestone and anhydrite	63	1,270	Limestone	20	2,285
Limestone and shale	37	1,307	Sand, water	20	2,305
Limestone and anhydrite	223	1,530	Limestone, water	38	2,243
Anhydrite	150	1,680	Limestone,	39	2,382
Red rock	27	1,707	Sand	13	2,395
Anhydrite	82	1,795	Limestone, flowing sulphur water	30	2,425

Well P-10. (Trees Oil Co. No. 1 Empire, 28 $\frac{1}{2}$  miles north of Ft. Stockton.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium:			Permo-Triassic Red Beds-Continued.		
White gypsum	55	55	Calcareous red rock and anhydrite	85	500
Sand, water	5	60	Red rock and shale	65	565
Permo-Triassic Red Beds:			Sand, water	5	570
Red rock	110	170	Hard "limestone"	40	610
Sand, water	10	180	Blue shale and red rock	145	755
Red rock	165	345	Sand, salt water	5	760
Brown shale	10	355	Red rock	420	1,180
Sandy red rock	60	415	Blue shale	40	1,220

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Well P-10. (Trees Oil Co. No. 1 Empire, 28 $\frac{1}{2}$  miles north of Ft. Stockton.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Rustler formation:			Castile formation:		
Anhydrite	30	1,250	Salt and anhydrite	140	1,900
Brown shale	10	1,260	Anhydrite and limestone	203	2,103
Sand and sandy limestone	55	1,315	Delaware formation:		
Flowing sulphur water at 1,315 feet.			Dark limestone and sandstone.	206	2,309
Shale and limestone	135	1,450			
Anhydrite and shale	310	1,760			

Well P-11. (Trees Oil Co. No. 1 Trees, 29 miles north of Ft. Stockton.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium:			Permo-Triassic Red Beds-Continued.		
"Adobe" water at 35 feet	52	52	Red rock and blue shale	190	1,270
Yellow clay	13	65	Rustler formation:		
Older alluvium or (and Cretaceous?)			Anhydrite, limestone and red rock	340	1,610
Blue shale	55	120	Hard brown limestone and blue shale	490	2,100
Sand	10	130	Water at 1,691, 1,760 and 1,855 feet		
Red mud	10	140	Castile formation:		
Blue mud	7	147	Anhydrite	535	2,435
Red clay	38	185	Salt	90	2,525
Gray shale	20	205	Anhydrite	100	2,625
Gravel, water	15	220	Delaware formation:		
Permo-Triassic Red Beds.			Dark gray shale	75	2,700
Red rock	210	430	Brown limestone	90	2,790
Hard "limestone"	25	455	Sandstone	192	2,982
Red rock with thin gray and brown shale beds	605	1,060			
Red rock and gypsum	20	1,080			

Well P-13. (Bendum and Trees Oil Co. No. 1 Trees, 26 $\frac{1}{2}$  miles north of Ft. Stockton.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium:			Permo-Triassic Red Beds:		
Caliche	70	70	Red rock	140	680
Sand, water	10	80	Limestone	30	710
Cretaceous:			Shale	20	730
Limestone	40	120	Sandstone and gravel	140	870
Shale	180	300	Water at 775 and 820 feet		
Limestone	10	310	Red shale	100	970
Blue shale	10	320	Red rock	105	1,075
Sandstone, water	30	350	Sandy "limestone", water	100	1,175
Limestone	70	420	Red shale	15	1,190
Sharp sandstone	20	440	Red sandstone, water	10	1,200
Limestone	50	490	Red sandy shale	200	1,400
Sandstone	40	530	Red sandstone	300	1,700
Shale	10	540	Red shale	70	1,770

Continued--

## Well P-13. --Continued (Bendum and Trees Oil Co. No. 1 Trees.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Rustler and Castile formations:			Rustler and Castile-Continued.		
Hard white limestone	20	1,790	Blue shale	15	2,050
Limestone	60	1,850	Limestone and shale	250	2,300
Anhydrite	25	1,875	Salt and anhydrite	610	2,910
Limestone	25	1,900	Delaware formation:		
Anhydrite	10	1,910	Black limestone	180	3,090
Sandstone, sulphur water	10	1,920	Limestone		
Limestone	80	2,000	Sandstone,	302	3,392
Blue sandstone	35	2,035	Flowing sulphur water at	3,255	feet.

Well P-26. (Anderson No. 1 Le Fevre, 22 $\frac{1}{2}$  miles north of Ft. Stockton.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
No log	170	170	Permo-Triassic Red Beds-Continued.		
Cretaceous:			Water at 855 feet. ....		
Shale	30	200	Red shale	10	870
Water at 190 feet			Red and blue shale	10	880
Limestone	200	400	Red shale	50	930
Dark blue-gray gypsiferous shale	30	430	Gray sandy shale	10	940
Gray argillaceous limestone and marl	80	510	Coarse white sand	10	950
Tan limestone with red shale and sandstone	15	525	Water at 960 feet.		
Water at 525 feet.			Red shale	125	1,075
Calcareous white shale	20	545	Red gypsiferous shale	40	1,115
Calcareous fine sand	20	565	Red sandy shale	35	1,150
Calcareous gray shale	10	575	Red shale	80	1,230
Calcareous sand	50	625	Sulphur water at 1,230 feet.		
Red shale	10	635	Red argillaceous sand	25	1,255
Red and gray shale	15	650	Red shale	220	1,475
Conglomerate	15	665	Red and gray shale	10	1,485
Red sandy shale	20	685	Red shale	25	1,510
Calcareous brown sand and sandy limestone	15	700	Red shale and gray lime	10	1,520
Calcareous gray shale	10	710	Red shale	30	1,550
Conglomerate	50	760	Gypsiferous red shale	10	1,560
Permo-Triassic Red beds:			Red shale	270	1,830
Coarse red sand	30	790	Gypsiferous red shale	10	1,840
Red argillaceous sand	10	800	Rustler and Castile formations:		
Water at 825 feet.			Anhydrite and gypsum	20	1,860
Coarse red sand	60	860	Anhydrite and red shale	30	1,890
			Gray and red shale	10	1,900
			Red shale	25	1,925
			Samples missing	112	2,037
			Sulphur water at	2,034	feet



Well P-29. (Atlantic, Trees et al No. 1 Trees, 24 miles north of Ft. Stockton.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Younger alluvium:			Rustler formation-continued.		
Surface	10	10	Blue shale	17	1,100
Caliche	10	20	Anhydrite and limestone	18	1,118
Permo-Triassic Red Beds:			Blue shale	7	1,125
Red rock	40	60	Limestone	45	1,170
Fresh water at 25 feet.			Castile formation:		
Red rock and red sand	140	200	Anhydrite	10	1,180
Brown sand and gravel	10	210	Anhydrite and gray limestone	230	1,410
Red sand	60	270	Brown limestone	15	1,425
Sandy shale	30	300	Anhydrite and gray limestone	70	1,495
Red sand	25	325	Hard gray limestone	70	1,565
White sand	5	330	Delaware formation:		
Red rock	45	375	Brown limestone	5	1,570
Brown sand and gravel	5	380	Dark sandy limestone	46	1,616
Brown sand	40	420	Brown sand	4	1,620
Red rock	415	835	Dark limestone	30	1,650
Rustler formation:			Gray limestone and green shale	33	1,683
Blue shale	65	900	Gray limestone, sulphur water	37	1,720
Sandy, flowing sulphur water at 930 feet	50	950	Dark sandstone	19	1,739
Limestone, water	50	1,000	Gray sandy limestone	69	1,808
Anhydrite, lime and red rock	12	1,012	Black limestone	26	1,834
Brown limestone	18	1,030	Gray limestone	94	1,928
Gray limestone	45	1,975	Flowing sulphur water at 1,928 feet		
Brown limestone	8	1,083			

Well P-34. (J. B. Spikes No. 1 Brown, 27 $\frac{1}{2}$  miles northeast of Ft. Stockton.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Rustler formation:		
Soil	20	20	Limestone and red bed	30	430
Gravel	70	90	Blue shale	35	465
Red clay	30	120	Limestone and red beds	250	715
Pink limestone	3	123	Castile formation:		
Gravel, water	27	150	Anhydrite	15	730
Red clay-	5	155	Red bed	20	750
Gravel	30	185	Salt and anhydrite	345	1,095
Permo-Triassic Red Beds.			Delaware formation:		
Red rock, water	15	200	Limestone, sandstone and anhydrite	1,264	2,359.
Samples missing	200	400			

Well P-42. (Humble-Kirby No. 1 Rheinstrom, 28 $\frac{1}{2}$  miles northeast of Ft. Stockton.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Permo-Triassic Red Beds-Continued.		
Mud	5	5	Blue shale	40	500
Sand	25	30	Sand, sulphur water	10	510
Sand and gravel	10	40	Blue shale	70	580
Mud	10	50	Rustler formation.		
Sand and gravel	50	100	Anhydrite	240	820
Yellow mud	10	110	Limestone	10	830
Gravel	10	120	Castile formation:		
Yellow mud	5	125	Salt and anhydrite	175	1,005
Permo-Triassic Red Beds:			Delaware formation:		
Red sandstone and conglomerate	230	355	Limestone and sandstone	1,370	2,375
Red shale	105	460	Flowing sulphur water at 2,240 feet.		

Well P-55. (Humble No. 1 Robertson, 16 miles northwest of Ft. Stockton.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Permo-Triassic Red Beds-Continued.		
Surface	20	20	Red beds and lime	79	1,503
Gravel and caliche	151	171	Red sandstone, water	88	1,596
Cretaceous?			Line and red beds	30	1,626
Hard rock, shale and gravel	134	305	Sandy shale	58	1,684
Rock and gravel	52	357	Red sandstone, water	193	1,877
Caliche, shale and red beds	170	527	Red beds, water	184	2,061
Caliche and shale	171	698	Rustler formation?		
Cretaceous:			Shale and lime	153	2,214
Shale and limestone	67	765	Shale and sandy lime	88	2,302
Shale, gravel and limestone	22	787	Shale and anhydrite	22	2,324
Shale, sand and limestone, water	154	941	Rustler and Castile formation:		
Limestone	36	977	Anhydrite	36	2,360
Shale and limestone	30	1,007	Anhydrite, lime and pyrites	59	2,419
Shale, gravel and sand	57	1,064	Lime, anhydrite and red rock	40	2,459
Calcareous shale	15	1,079	Anhydrite	931	3,390
Shale, gravel and sand, water	61	1,140	Limestone	15	3,405
Sandy limestone	131	1,271	Anhydrite	533	3,938
Limestone, shale and sand	24	1,295	Anhydrite and salt	33	3,971
Red beds and red rock	41	1,336	Anhydrite and gray lime- stone	1,280	5,251
Red beds and sandy shale	93	1,429	Delaware formation:		
			Black limestone	80	5,331
			Black lime and sand	12	5,343
			Sand	25	5,363

Well P-56. (World Oil Co. No. 1 Kloh, Morgan and Abram, 18 miles northwest of Ft. Stockton.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Pink shale	15	1,370
Clay and gravel	35	35	Red sandy shale	105	1,475
Gravel	110	145	Water at 1,475 feet		
Clay	90	235	Red rock	20	1,495
Gravel, water	40	275	Red sandy shale	225	1,720
Cretaceous:			Gray shale	55	1,775
Clay	165	440	Red shale	10	1,785
Blue shale	50	490	Gray shale	6	1,791
Limestone	95	585	Red shale and red rock	587	2,378
Shale and gravel	50	615	Water at 2,330 feet		
Blue shale	245	860	Rustler formation:		
Gray limestone, water	30	890	Anhydrite	52	2,430
Blue shale	25	915	Gray limestone	35	2,465
Gray limestone	17	932	Blue shale and shells, water	15	2,480
White and gray sand, water	37	969	Gray limestone	70	2,550
Blue shale	6	975	Anhydrite	58	2,608
Sand	170	1,145	Gray limestone	5	2,613
Green shale	10	1,155	Anhydrite	272	2,885
Sand and gravel	140	1,295	Gray limestone and anhydrite	60	2,945
Green shale	15	1,310	Anhydrite	15	2,960
Sand	15	1,325	Gray limestone	10	2,970
Permo-Triassic Red Beds:			Castile formation:		
Red rock	30	1,355	Anhydrite	135	3,105

Well P-83. (San Pedro Land and Cattle Company, 12 miles north of Ft. Stockton.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Sand--Big water at 287 feet		
Surface	10	10	rose to within 10 feet of		
Caliche	12	22	surface.	12	287
White clay (gypsum?)	21	43	Permo-Triassic Red Beds:		
Cretaceous:			Red bed	10	297
Shale and limestone	8	51	Soft limestone (gypsum?)	12	309
Yellow clay	31	82	Anhydrite	16	325
Water at 51 feet rose to			Permo-Triassic Red Beds:		
within 10 feet of surface.			Red beds and red rock	853	1,178
Hard gray limestone	21	103	Shale and anhydrite	42	1,220
Yellow sand and shale	49	152	Rustler formation:		
Good water at 103 feet rose			Anhydrite	19	1,239
to within 35 feet of sur-			Porous limestone, flowing		
face.			sulphur water	27	1,266
Gray sandrock	66	218	Gray limestone	12	1,278
Gray shale	26	244	Limestone and anhydrite	65	1,343
Limestone and shale	31	275	Limestone	21	1,364

Well P-115. (Lockhart Oil Co. No. 1 R. D. Webb, 6 $\frac{1}{2}$  miles west of Ft. Stockton.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
<b>Alluvium:</b>			<b>Permo-Triassic Red Beds-Continued.</b>		
Surface	10	10	Red sandy shale	36	693
Broken lime	15	25	Red rock	74	767
Sandy lime	12	37	Blue shale	3	770
Brown lime and gravel	13	50	Red sand and redrock	61	831
<b>Cretaceous:</b>			Red rock and sand	489	1,320
Gray sand limestone	20	70	Red shale anhydrite and redrock	138	1,458
Brown sandy limestone	25	95	<b>Rustler and Castile formations:</b>		
Broken limestone	40	135	Anhydrite	22	1,480
Gray shale	25	160	Soft brown sand	10	1,490
Dark limestone	65	225	Brown limestone, flowing sulphur water	5	1,495
Gray shaly limestone	55	280	Gray limestone	115	1,610
Sand, flowing water	10	290	Red rock and shale	10	1,620
Gray limestone	57	347	Gray limestone and anhydrite	565	2,185
Sand, water	113	460	Anhydrite, water	89	2,274
Gray shale	3	463	Anhydrite and limestone	455	2,729
Sand	7	470	<b>Delaware formation:</b>		
<b>Permo-Triassic Red Beds:</b>			Dark brown limestone	83	2,812
Red sand rock	26	496	Brown shale	34	2,846
Sandy limestone	9	505	Gray limestone	17	2,863
Red rock	15	520	Brown limestone	109	2,972
Brown lime	10	530	Brown sand and limestone	108	3,080
Hard sand	35	565	Red sandy shale	20	3,100
Red rock and lime	60	625	Gray and brown limestone	200	3,300
Red sandy shale	15	640			
Gray shale	17	657			

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W J L L L O G S  
CRANE COUNTY

Well C-2. (Gulf Production Co. water well, 26 $\frac{3}{4}$  miles northwest of Crane.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Alluvium-Continued		
Loose, light-brown sand	12	12	Soft, white sand and gravel (first water)	3	85
Soft, yellow sand	8	20	Firm, red sand, water	13	98
Firm, light-yellow sand	27	47	Hard red sand	22	120
Firm, light-red sand	13	60			
Hard, light-red sand	22	82			

Casing: 12 feet of 10 $\frac{3}{4}$ -inch at surface; 40 feet and 5 inches of 8-5/8-inch perforated in bottom.

Well C-110. (Michaelson & Talbot-Roxana No. 1 River Bed, 6 miles southeast of Grandfalls.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Rustler formation-Continued.		
Gravel and sand	55	55	Red rock	60	540
Quicksand	10	65	Anhydrite	15	555
Permo-Triassic Red Beds:			Black gumbo	5	560
Red rock	225	290	Red rock	8	568
Gypsum (sulphur water flowing at 336 feet)	66	356	Red rock and salt(?)	12	580
Gumbo clay	2	358	Anhydrite and "gyp"	15	595
Sand	2	360	Anhydrite	2	597
Red rock	10	370	Red rock	10	607
Gray shale	40	410	Anhydrite	33	640
Rustler formation:			Anhydrite, red rock and salt(?)	50	690
Gray lime and anhydrite	20	430	Anhydrite and gumbo	27	717
Red rock	35	465	Anhydrite and lime	20	737
Red sand (20 bailers water an hour)	15	480	Anhydrite and salt(?)	30	767
			Salt	4	771

Top of Castile formation at about 740 feet. Total depth 2,012 feet. Dry and abandoned. Well drilled in River bed of Pecos River.

Well C-120. (Moore Brothers No. 1 Barnsley estate, 15 miles west of Crane.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium and Permo-Triassic Red Beds:			Alluvium and Permo-Triassic Red Beds-- Continued.		
Caliche	20	20	Red rock	20	125
Red rock	40	60	Red bed	25	150
Red sand	25	85	Red sand, water	25	175
Red mud	5	90	Red bed	125	300
Red sand (5 bailers water an hour)	15	105	Muddy red bed	45	345

Continued--

Well C-120. --Continued. (Loore Brothers No.1 Barnsley estate, 15 miles west of Crane.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium and Permo-Triassic Red Beds- Continued.			Rustler formation-Continued.		
Red bed	60	405	Gray sandy lime	7	482
Rustler formation:			Dark slate(?) (lime)	3	485
Anhydrite	10	415	Blue shale	5	490
Yellow mud	10	425	Red rock	2	492
Anhydrite	15	440	Sand	3	495
Red rock	5	445	Red rock	20	515
Water sand(hole full of water at 545- 553 feet)	8	453	Anhydrite	35	550
Blue shale	22	475	Red sand	10	560
			Anhydrite	15	575
			Red rock	5	580

Top of Castile formation at 580 feet. At 5,350 feet water was standing within 200 feet of top of the hole. Total depth 6,829 feet.

Well C-180.(Dobbs Oil Co. No. 1 Cowden Brothers Co., 13 $\frac{1}{2}$  miles southwest of Crane.)

	Thick- ness (feet)	Depth (feet)		Thick- ness (feet)	Depth (feet)
Alluvium:			Permo-Triassic Red Beds-Continued.		
Brown sand	30	30	Blue sandy shale	15	440
Sand, salt water	10	40	Blue shale	20	460
Sand and gravel, water	60	100	Rustler formation?:		
Permo-Triassic Red Beds:			Gray sandy lime	8	468
Red shale	30	130	Sandy red lime	12	480
Sand and gravel	56	186	Anhydrite	20	500
Red shale	39	225	Anhydrite and blue shale	5	505
Blue shale	40	265	Anhydrite	25	530
Gray sand	17	282	Brown shale	8	538
Sand and gravel, water	16	298	Potash	8	546
Red shale	72	370	Brown shale	4	550
Blue shale	3	373	Brown sand	20	570
Sandy gray lime(2 bailers water an hour)	12	385	Red shale	19	589
Red shale	5	390	Anhydrite	4	593
Blue shale	35	425	Anhydrite with shale breaks	7	600
			Anhydrite and red shale	37	637
			Anhydrite	13	650

Top of Castile formation at 650 feet. Top of Delaware Mountain formation at about 2,300 feet. Total depth 2,343 feet. Initial production none; about 5 or 6 barrels of sulphur water a day at total depth.

Water levels in supply wells in Ward County, Texas  
Measurements are in feet below measuring point, 1940  
(For descriptions of wells see well tables)

- W-1. A. T. Knapp. Measuring point, top of steel casing, 1.0 foot above land surface. Water levels: Feb. 5, 94.40; Sept. 14, 94.04; Oct. 8, 94.14; Nov. 12, 94.19.
- W-5. L.D. Boxley. Measuring point, top of steel casing, 1.2 foot above land surface. Water levels: Oct. 25, 1939, 59.2; Dec. 5, 57.84.
- W-7. Monroe Estate. Measuring point, top of steel casing, 2 feet above land surface. Water levels: Oct. 26, 1939, 63.56; Dec. 5, 63.00.
- W-11. Banker's Int. L. A. Co. Measuring point, top of steel casing, 0.3 foot above land surface. Water levels: Nov. 6, 1939, 30.09; Dec. 5, 29.80.
- W-12. Monroe estate. Measuring point, top of steel casing, 0.5 foot above land surface. Water levels: Nov. 6, 1939, 57.90; Dec. 5, 57.78.
- W-16. C. L. Monroe. Measuring point, top of steel casing, 0.2 foot above land surface. Water levels: Oct. 25, 1939, 47.25; Dec. 5, 47.26.
- W-20. J.A. Huntsman. Measuring point, top of steel casing, 2 feet above land surface. Water levels: Oct. 26, 1939, 130.4; Dec. 5, 103.02.
- W-26. L. W. Anderson. Measuring point, top of steel casing, 2 feet above land surface. Water levels: Aug. 21, a/ 117.50; Dec. 5, c/ 103.02.
- W-133. John McNeff. Measuring point, top of steel casing, 0.2 foot above land surface. Water levels: Feb. 23, 77.94; Apr. 16, 75.40; June 20, 74.92; Aug. 9, 74.44; Dec. 5, 74.13.
- W-141. T. & P. Railroad. Measuring point, top of heavy timber across well. Water levels; Sept. 26, 1939, 63.44; Mar. 11, 66.93; Apr. 16, e/ 61.80; May 15, e/ 60.70; June 14, 62.64; July 12, e/ 57.92; Aug. 9, 61.10; Sept. 10, 62.31; Sept. 24, 63.88; Oct. 8, 64.31.
- W-149. E. Vickers. Measuring point, top of heavy timber, 0.5 foot above land surface. Water levels: Nov. 18, 1939; 45.90; Oct. 8, 45.91.
- W-151. Pat Wilson. Measuring point, top of steel casing, 0.5 foot above land surface. Water levels: Sept. 21, 1939, b/ 98.63; Oct. 8, 94.96.
- W-153. Pat Wilson. Measuring point, top of steel casing, 1.5 feet above land surface. Water levels: Sept. 26, 1939, 110.92; Oct. 8, 111.00.
- W-156. Pat Wilson. Measuring point, top of steel casing, 1.2 feet above land surface. Water levels: Sept. 26, 123.10; Oct. 8, 117.32.
- W-157. City of Barstow. Measuring point, top of airline hole in pump base, 2 feet above land surface. Water levels: Aug. 9, 97.7; Dec. 5, 97.08.
- W-159. J. Key. Measuring point, top of steel casing, 1 foot above land surface. Water levels: Sept. 26, 1939, 97.01; Jan. 9, 96.98; Mar. 11, 96.97; June 14, 97.10; Aug. 9, 97.42.

W-161. Pat Wilson. Measuring point, top of steel casing, 2 feet above land surface. Water levels: Sept. 26, 164.09; July 12, 164.62.

W-167. C. L. Monroe. Measuring point, top of steel casing, at land surface. Water levels; Oct. 23, 1939, 15.03; Dec. 5, 14.74.

W-168. C. L. Monroe. Measuring point, top of wood frame, north side at large nail, 0.5 foot above land surface. Water levels: Oct. 23, 1939, 20.91; Jan. 8, 23.21; Aug. 9, 22.41; Sept. 10, 22.23; Oct. 8, 22.72; Jan. 5, 21.93.

W-169. W.A. Sewell. Measuring point, top of north west corner post of well curb, 1.5 feet above land surface. Water levels: Aug. 29, 1939, f/ 7.54; Sept. 20, 1939, 8.52; Oct. 20, 1939, 9.01; Nov. 1, 1939, 10.12; Dec. 9, 1939, 19.37; Jan. 8, 10.80; Feb. 8, 11.10; Mar. 8, 11.31; May 13, f/ 10.68; June 13, 11.57; July 11, 12.28; Aug. 5, 11.00; Sept. 10, 10.94; Oct. 8, 12.02; Dec. 5 11.61.

W-170. C. S. Majers. Measuring point, top of steel casing, 0.8 foot above land surface. Water levels; Feb. 5, 8.84; Apr. 10, 8.31; May 14, 8.10; June 13, 9.56; Aug. 5, 9.92; Oct. 8, 10.04; Dec. 5, 9.70

W-171. L. C. Patrick. Measuring point, top of steel casing, 1.3 feet above land surface. Water levels; Aug. 29, 1939, 6.82; Sept. 19, 1939, a/ 5.52.

W-175. W. H. Butler. Measuring point, top of steel casing, 0.5 foot above land surface. Water levels: Sept. 19, 1939, f/ 4.60; Oct. 26, 1939, 5.52; Nov. 8, 1939, 5.97; Dec. 9, 1939, 6.62; Jan. 8, 6.63; Feb. 8, 7.16; March 8, 7.56; Apr. 10, f/ 6.06; Apr. 25, 6.03; May 13, 6.48; June 13, 7.58; June 26, 7.34; July 12, 7.65; Aug. 5, 8.12; Sept. 10, 7.97; Oct. 8, 8.33; Dec. 5, 8.20.

W-176. J. H. Foreman. Measuring point, top of northwest timber upright in frame, 1.3 feet above land surface. Water levels: Aug. 28, 1938, f/ 7.97; Sept. 18, 1939, 8.66; Oct. 19, 1939, 8.90; Nov. 8, 1939, 8.93; Dec. 9, 1939, 9.18; Jan. 8, 9.68; Feb. 8, 9.80; Mar. 8, 10.01; Apr. 10, dry at 10.2; Apr. 23, 9.54; May 13, f/ 9.38; June 13, 9.87; Aug. 5, 9.92; Sept. 10, 9.30; Oct. 8, dry at 10.0.

W-181. Monroe Estate. Measuring point, top of steel casing, 0.8 foot below land surface. Water levels: Aug. 29, 1939, 8.31; Sept. 18, 1939, 7.16; Oct. 19, 1939, f/ 5.87; Nov. 8, 1939, 7.72; Dec. 9, 1939, 9.10; Jan. 8, 11.12; Feb. 8, 13.38; Mar. 8, 15.02; Apr. 10, 14.63; Apr. 23, 11.31; May 13, 11.44; June 13, 12.59; Aug. 5, 11.20; Sept. 10, 12.53; Oct. 8, 12.96; Dec. 5, 13.36.

W-182. C.C. Brown. Measuring point, top of steel casing, 0.5 foot above land surface. Water levels: Sept. 19, 1939, 8.40; Oct. 19, 1939, 7.42.

W-188. A.H. Gillespie. Measuring point, top of east side beam, at land surface. Water levels: Dec. 17, 1930, d/ 4.11; Mar. 6, 1931, 3.04; Apr. 6, 1931, 2.80; May 6, 1931, g/ 1.25; June 2, 1931, 2.90; July 2, 1931, 3.27; Aug. 8, 1931, 5.03; Sept. 3, 1931, 4.75; Oct. 1, 1931, 4.78; Oct. 27, 1931, 3.99; Dec. 31, 1931, 4.45; Feb. 2, 1932, 5.12; Mar. 1, 1932, 3.73; Apr. 1, 1932, 3.36; May 2, 1932, 2.91; June 1, 1932, 2.22; Sept. 19, 1939, f/ 4.47; Oct. 19, 1939, 5.20; Nov. 8, 1939, 5.64; Dec. 9, 1939, 6.02; Jan. 8, 6.36; Feb. 8, 6.74; Mar. 8, 7.18; Apr. 10, f/ 6.40; May 14, 6.22; June 13, 6.72; Aug. 5, 6.86; Sept. 10, 9.38; Oct. 8, 9.76; Jan. 5, 9.73.



W-189. A. H. Gillespie. Measuring point, top of steel casing, 1 foot above land surface. Water levels: Aug. 31, 1939, f/ 5.30; Sept. 19, 1939, 5.50; Oct. 19, 1939, 6.20; Nov. 8, 1939, 3.60; Jan. 6, 7.32; Feb. 8, 7.71; Mar. 8, 8.21; Apr. 10, f/ 7.48; May 14, 7.23; June 13, 7.72; Aug. 5, 7.87; Sept. 10, 8.38; Oct. 3, 8.76; Dec. 5, 8.72.

W-191. A.H. Gillespie. Measuring point, top of wood beam. Water levels: Dec. 17, 1930, d/ 6.97; Mar. 6, 1931, 4.47; Apr. 6, 1931, 4.61; May 6, 1931, g/ 2.01; June 2, 1931, 4.20; July 2, 1931, 3.95; Aug. 5, 1931, 6.14; Sept. 3, 1931, 4.89; Oct. 1, 1931, 4.04; Oct. 26, 1931, 2.34; Dec. 31, 1931, 4.98; Feb. 2, 1932, 7.19; Mar. 1, 1932, 6.20; Apr. 1, 1932, 5.08; May 2, 1932, 4.21; Sept. 19, 1939, f/ 7.0; Oct. 20, 1939, 7.40; Nov. 8, 1939, 3.0; Dec. 9, 1939, 8.21; Jan. 8, 8.60; Feb. 3, 9.51; Mar. 1, 10.11; Apr. 10, f/ 9.33; May 5, 10.80; Sept. 7, 10.70; Oct. 8, 11.17; Dec. 5, 10.87.

W-192. Ward County Water Improvement District No. 1. Measuring point, top of casing in concrete, 2.0 feet above land surface. Water levels: Dec. 17, 1930, d/ 6.52; Mar. 6, 1931, 5.23; Apr. 6, 1931, 4.80; May 6, 1931, g/ 3.30; June 2, 1931, 5.53; July 2, 1931, 5.87; Aug. 5, 1931, 7.15; Aug. 29, 1939, 6.23; Sept. 19, 1939, f/ 5.82; Oct. 20, 1939, 6.20; Nov. 8, 1939, 7.10; Dec. 9, 1939, 7.91; Jan. 8, 8.52; Feb. 3, 9.11; Mar. 8, 9.67; May 14, f/ 8.62; June 13, 8.97; Dec. 5, 10.04.

W-194. Dolmore Corporation. Measuring point, north side beam at land surface. Water levels: Dec. 17, 1930, d/ 5.81; Mar. 6, 1931, 5.02; Apr. 6, 1931, 7.65; May 2, 1931, g/ 6.15; June 2, 1931, 8.46; July 2, 1931, 7.30; Aug. 5, 1931, 9.50; Dec. 31, 1931, 6.30; Feb. 2, 1932, 6.30; Mar. 1, 1932, 5.58; Apr. 1, 1932, 5.17; May 2, 1932, 5.60; June 1, 1932, 5.30; Sept. 19, 1939, well has been destroyed.

W-202. A. R. Aves. Measuring point, top of well-curb above discharge pipe. Water levels: Aug. 30, 1939, 7.28; Sept. 20, 1939, f/ 7.06; Oct. 20, 1939, 7.12; Nov. 8, 1939, 7.43; Dec. 9, 1939, 7.87; Jan. 8, 8.48; Apr. 23, f/ 7.31; May 14, 7.62; June 13, 7.32; Aug. 5, 7.38; Sept. 10, 7.71; Oct. 8, 8.28; Dec. 5, 7.06.

W-204. J. H. Miller. Measuring point, southwest corner of well curb, 2.0 feet above land level. Water levels: Dec. 17, 1930, d/ 9.15; Apr. 6, 1931, 8.48; May 6, 1931, g/ 6.38; June 2, 1931, 7.81; July 2, 1931, 7.60; Aug. 5, 1931, 9.03; Sept. 3, 1931, 11.00; Oct. 1, 1931, 8.77; Oct. 27, 9.04; Dec. 21, 1931, 11.10; Feb. 2, 1932, 12.10; Mar. 1, 1932, 9.95; Apr. 1, 1932, 10.52; May 2, 1932, 9.99; June 6, 1932, 6.32; Sept. 20, 1939, well has been destroyed.

W-205. George Briggs. Measuring point, top of l-inch pipe on southwest corner of well at land surface. Water levels: Dec. 17, 1930, d/ 6.53; Mar. 6, 1931, 7.01; Apr. 6, 1931, 5.45; May 6, 1931, g/ 5.15; June 2, 1931, 5.51; July 2, 1931, 5.95; Sept. 3, 1931, 9.06; Oct. 1, 1931, 5.81; Oct. 27, 1931, 5.74; Dec. 31, 1931, 8.23; Feb. 2, 1932, 8.57; Mar. 1, 1932, 6.78; Apr. 1, 1932, 7.77; May 2, 1932, 7.51; June 1, 1932, 5.37; Aug. 30, 1939, 6.48; Sept. 20, 1939, f/ 5.20; Oct. 20, 1939, 9.30; Nov. 8, 1939, 10.10; Dec. 9, 1939, 10.46; Jan. 6, 11.30.

W-206. W.G. Burkholder. Measuring point, top of concrete well-curb at land surface. Water levels: Aug. 29, 1939, f/ 6.67; Feb. 3, 10.30; Mar. 8, 11.70; June 13, 10.77; July 12, 11.34; Aug. 5, 11.02; Sept. 10, 11.32; Dec. 5, 11.61.

W-208. L.G. Farnum. Measuring point, top of east beam in pit frame, 0.5 foot above ground. Water levels: Dec. 17, 1930, d/ 5.91; Mar. 6, 1931, 6.95; Apr. 6, 1931, 6.30; May 6, 1931, g/ 5.30; June 2, 1931, 5.65; July 2, 1931, 7.72; Aug. 5, 1931, 9.56; Sept. 3, 1931, 6.08; Oct. 1, 1931, 9.10; Oct. 27, 1931, 7.35; Dec. 31, 1931, 9.00; Feb. 2, 1931, 8.92; Mar. 1, 1931, 7.69; Apr. 1, 1931, 5.22; May 2, 1931, 2.00; June 1, 1931, 4.69; Sept. 13, 1933, 8.08; Sept. 20, 1939, f/ 7.00; Oct. 20, 1939, 9.65; Nov. 8, 1939, 9.83; Dec. 1939, 10.21; Jan. 9, 10.65; Feb. 10, 11.00; Mar. 11, 12.71; May 13, f/ 11.57; Dec. 5, 10.68.

W-210. Young Bell. Measuring point, top of steel casing collar, 0.5 foot above land surface. Water levels: May 20, 15.40; June 5, 15.31.

W-211. Mrs. W.H. Nichols. Measuring point, top of wood well-curb, west side, 2.0 feet above land surface. Water levels: Oct. 25, 1930, d/ 6.34; Dec. 17 1930, 2.53; Mar. 3, 1931, 5.12; Apr. 6, 1931, 8.95; May 6, 1931, g/ 8.69; June 2, 1931, 7.82; Aug. 5, 1931, 11.08; Sept. 3, 1931, 3.47; Oct. 1, 1931, 11.06; Oct. 27, 1931, 9.00; Dec. 31, 1931, 10.40; Feb. 2, 1932, 10.42; Mar. 1, 1932, 8.05; Apr. 1, 1932, 7.33; May 2, 1932, 10.53; June 1, 1932, 6.38; Sept. 20, 1939, f/ 7.38; Sept. 20, 1939, 8.78; Nov. 8, 1939, 9.30; Dec. 9, 1939, 9.71; Jan. 9, 10.43; Feb. 10, 10.34; Mar. 11, 11.23; May 13, f/ 9.70; June 14, 10.41; Aug. 5, 9.86.

W-216. T. D. Black. Measuring point, top of 6-inch tee pipe, 5 feet below land surface. Water levels: Aug. 30, 1939, f/ 5.84; Mar. 11, 7.74; May 13, 6.90; June 14, 6.98.

W-217. Mrs. Charles Nichols. Measuring point, top of well curb, west side, 2.0 feet above land surface. Water levels: Aug. 30, 1939, 15.14; Sept. 20, 1939, f/ 11.51; Oct. 20, 1939, 12.23; Nov. 8, 1939, 12.03; Dec. 9, 1939, 12.38; Jan. 9, 13.54; Feb. 10, 13.72; Mar. 11, 14.08; May 13, f/ 13.67; June 14, 13.86; July 11, 14.36; Aug. 5, 13.88; Sept. 10, 14.22; Oct. 8, 14.04; Dec. 5, 13.52.

W-220. Miller Brothers. Measuring point, top of steel casing, 1.2 feet above land surface. Water levels: Aug. 30, 1939, 14.30; Sept. 20, 1939, 12.73; Oct. 20, 1939, 12.59; Nov. 8, 1939, 12.52; Dec. 9, 1939, 13.07; Jan. 9, 14.04; Feb. 10, 14.80; Mar. 11, 16.07; May 13, 15.44; June 14, 16.23; Aug. 5, 15.83; Sept. 10, 16.51; Oct. 8, 16.50; Dec. 5, 15.80.

W-221. L.H. Watson. Measuring point, top of northeast corner of wood curb, 2.00 feet above land surface. Water levels: Aug. 30, 1939, 13.27; Sept. 20, 1939, f/ 10.73; Oct. 20, 1939, 12.03; Nov. 8, 1939, 11.08; Dec. 9, 1939, 12.12; Jan. 9, 13.42; Feb. 10, 14.08; Mar. 11, 14.69; May 13, f/ 13.26; June 14, 15.07; Aug. 5, 13.78; Sept. 10, 14.90; Oct. 8, 15.10. Dec. 5, 13.96.

W-222. L.H. Watson. Measuring point, top of southwest corner wood curb, 2.00 feet above land surface. Water levels: Aug. 30, 1939, 13.67; June 21, f/ 11.23; Dec. 5, 14.32.

W-255. John Miller. Measuring point, top of steel casing, 3.5 feet above land surface. Water levels: Mar. 29, 23.54; Oct. 2, 21.60; Dec. 5, 20.51.

W-309. J. S. Reynolds. Measuring point, top of 1-inch curb plank west side, 0.5 foot above land surface. Water levels: Feb. 2, 11.20; Mar. 20, 11.08; Apr. 2, 11.89; May 15, 9.01; Aug. 29, 10.10; Oct. 2, 10.76; Dec. 6, 11.62.

W-310. Mrs. E. J. Dorr. Measuring point, top of wood well-curb, 1.5 feet above land surface. Water levels: Aug. 29, 13.32; Oct. 2, 13.12; Dec. 9, 13.70.

W-313. M.T. Eudaly. Measuring point, top of northeast corner of well curb, 1.00 foot above land surface. Water levels: Feb. 2, 16.23; Apr. 2, 16.31; May 6, g/ 15.31; Aug. 29, 14.97; Oct. 2, 13.86.

W-316. B.H. Grube. Measuring point, top of wood cover board, at land surface. Water levels: Aug. 29, 8.00; Oct. 2, 8.44; Dec. 6, 9.02.

#### FOOTNOTES

a/ Windmill pumping.

b/ Pump shut down less than 30 minutes.

c/ Pump shut down 30 minutes or longer.

d/ Measurements prior to 1939 made by V.W.Rupp, S.S.Nye, R.E.Booker or Hedke.

e/ Storm water in nearby sink.

f/ Surrounding land recently irrigated.

g/ Recent large rains.

Water levels in supply wells in Loving County, Texas  
Measurements are in feet below measuring point, 1940.  
(For descriptions of wells see Well Tables.)

L-4. W. D. Johnson. Measuring point, top of steel casing, 1.0 foot above land surface. Water levels: June 14, 80.27; Sept. 25, 82.37.

L-67. American Airlines. Measuring point, top of steel casing, 3.0 feet below land surface. Water levels: Sept. 14, 1939, 154.58; Aug. 8, 156.35.

L-73. W. D. Johnson. Measuring point, top of steel casing, 0.8 foot above land surface. Water levels: Sept. 1, 1939, 91.00; June 28, 93.21; Aug. 8, 94.06; Dec. 7, 93.80.

L-74. W. D. Johnson. Measuring point, top of steel casing, 1.5 feet above land surface. Water levels: Sept. 1, 1939, 138.94; Sept. 12, 140.33.

L-95. Sinclair Prairie Oil Co. Measuring point, top of steel casing, 1.0 foot above land surface. Water levels: Sept. 1, 1939, 85.66; Aug. 8, 85.10; Dec. 7, 84.58.

L-96. Lockhart and Co. Measuring point, top of steel casing, 2.5 feet above land surface. Water levels: July 23, 47.24; Sept. 11, 47.31; Dec. 7, 47.48.

L-98. Sinclair Prairie Oil Co. Measuring point, top of steel casing, 0.8 foot above land surface. Water levels: July 23, 34.77; Dec. 7, 35.06.

L-99. F. P. Tubbard. Measuring point, top of concrete well curb, 0.3 foot above land surface. Water levels: June 28, 21.80; Aug. 8, 21.20; Dec. 7, 21.68.

L-102. McGinley Corp. Measuring point, top of steel casing, 0.3 foot above land surface. Water levels: Nov. 21, 1939, 106.52; June 28, 106.20; Aug. 8, 106.09; Sept. 11, 106.13; Dec. 7, 105.96.

L-107. Tom Wright. Measuring point, bottom edge of hole in corrugated steel casing, 0.6 foot above land surface. Water levels: Feb. 27, 14.27; Apr. 24, 14.36; June 28, 14.73; Aug. 8, 14.37; Sept. 11, 14.50; Dec. 7, 14.61.

L-108. D. Alcott, et al. Measuring point, top of wooden pipe clamp, 0.8 foot above land surface. Water levels: Feb. 27, 13.33; June 28, 13.96; Aug. 8, 14.06; Sept. 11, 14.19; Dec. 7, 14.31.

L-109. L. B. Russell. Measuring point, top of steel casing, 0.3 foot above land surface. Water levels: June 28, 24.96; Aug. 8, 25.08.

L-112. E. L. Stratton. Measuring point, top of steel casing collar, 1.0 foot above land surface. Water levels: Feb. 27, 19.62; June 28, 21.12; Aug. 8, 20.19; Sept. 11, 20.33; Dec. 7, 19.91.

L-114. Floyd Goodrich. Measuring point, top of steel casing, 2.7 feet above land surface. Water levels: Feb. 27, 15.23; June 28, 16.32; Aug. 8, 15.58; Sept. 11, 15.71; Dec. 7, 16.11.

Water levels in supply wells in Reeves County, Texas

All measurements are in fact below measuring point unless preceded by an asterisk (\*), in which case they are above measuring point, 1940.

(For descriptions of wells see Well Tables)

R-1. M. P. Scott. Measuring point, land surface, (uncased well). Water levels: June 18, 85.92; Aug. 7, 84.73.

R-2. C. E. Ramsey. Measuring point, top of casing, 0.5 foot above land surface. Water levels: June 18, 53.38; Aug. 7, 53.74; Nov. 16, 53.72.

R-2a. H. T. Collier. Measuring point, top of casing, flush with land surface. Water levels: June 18, 49.23; Aug. 7, 49.66; Nov. 16, 50.06.

R-4. J. E. Skinner. Measuring point, top of casing, 1.2 feet above land surface. Water levels: June 18, 72.31; Aug. 7, 72.32; Nov. 16, 74.10.

R-5. H. T. Collier. Measuring point, top of casing, 1.0 foot above land surface. Water levels: June 18, 69.39; Aug. 7, 68.36; Nov. 16, 68.74.

R-8. Red Bluff Water Power Control District. Measuring point, top of cast iron flange over well, flush with land surface. Water levels: Jan. 17, 10.03; Feb. 19, 10.48; Mar. 19, 10.83; Apr. 24, 11.32; May 21, 12.14; Aug. 8, 9.66.

R-9. Hall Olds. Measuring point, top of casing, 1.7 feet above land surface. Water levels: June 14, 66.02; Aug. 7, 66.06; Nov. 16, 66.40.

R-13. John Camp. Measuring point, land surface, (uncased well). Water levels: June 14, 100.42; Aug. 7, 101.82.

R-15. J. Y. Crum. Measuring point, top of lower set of wood clamps, flush with land surface. Water levels: June 24, 74.67; Aug. 7, 66.46.

R-16. J. Y. Crum. Measuring point, top of concrete casing, flush with land surface. Water levels: June 24, 6.82; June 28, 9.63; Aug. 7, 14.25.

R-18. W. B. Burchard. Measuring point, top of wood clamps, 1.0 foot above land surface. Water levels: Jan. 4, 134.60; Mar. 13, 142.40; May 16, 150.18.

R-19. Atlantic Oil and Petroleum Co. Measuring point, top of casing, flush with land surface. Water levels: June 24, 31.50; Aug. 7, 26.28.

R-20. L. W. Anderson. Measuring point, top of casing, flush with land surface. Water levels: June 24, 89.20; Aug. 7, 89.50.

R-26. L. W. Anderson. Measuring point, top of casing, flush with land surface. Water levels: June 24, a/ 35.75; Aug. 7, 30.55.

R-27. L. W. Anderson. Measuring point, top of wood clamps, 1.0 foot above land surface. Water levels: June 23, 51.40; Aug. 7, 50.52.

R-27a. L. W. Anderson. Measuring point, top of casing, 1.0 foot above land surface. Water levels: June 23, 87.00; Aug. 7, 87.57.

R-30. Nuario Lara. Measuring point, top of wood clamps, 2.0 feet above land surface. Water levels: Jan. 5, 11.12; July 12, 11.80; Oct. 6, a/ 18.06.

R-31. Nasario Lara. Measuring point, top of casing, flush with land surface. Water levels: Jan. 5, 24.10; Feb. 12, a/ 32.17; Mar. 26, a/ 37.10; May 16, 26.26; June 27, 26.24; July 12, 25.90; Sept. 10, a/ 41.92; Oct. 6, a/ 50.60; Nov. 16, a/ 58.40.

R-32. J. E. Couch. Measuring point, top of casing, 0.4 foot above land surface. Water levels: Dec. 11, 1939, 35.55; Feb. 12, 36.00; Mar. 26, a/ Oct. 6, 35.70; Nov. 16, 35.77.

R-33. T. S. Ingle. Measuring point, top of casing, flush with land surface. Water levels: Feb. 12, a/ 159.10; May 16, 131.00; Aug. 7, 144.45; Oct. 6, 142.00.

R-34. L. M. Anderson. Measuring point, top of casing, flush with land surface. Water levels: May 16, a/ 173.51; June 23, 171.50; Aug. 7, 174.06; Oct. 6, a/ 173.56.

R-37. Wanda Hanks. Measuring point, top of casing, 1.0 foot above land surface. Water levels: Mar. 13, 139.70; May 16, 139.60; Aug. 8, 140.05.

R-46. Wanda Hanks. Measuring point, top of wood clamps, 0.8 foot above land surface. Water levels: Jan. 4, 217.35; Feb. 13, 217.80; Mar. 13, 213.65; May 16, 212.95; Aug. 8, 213.13; Sept. 13, 213.08; Nov. 21, 213.33.

R-49. T. S. Ingle. Measuring point, top of wood clamps, 0.5 foot above land surface. Water levels: Feb. 12, a/ 49.50; May 16, 42.37; Aug. 7, 42.26.

R-52. J. Y. Crum. Measuring point, rim of can covering, flush with land surface. Water levels: Jan. 4, 11.40; Feb. 12, 11.80; Mar. 12, 11.95; Mar. 26, 11.94; May 15, 10.34; June 27, 11.87; Sept. 10, a/ 11.96; Oct. 6, 11.92; Nov. 16, 12.41.

R-53. H. S. Grissom. Measuring point, top of wood clamps, 1.4 feet above land surface. Water levels: Jan. 4, 12.97; Feb. 12, 12.50; Mar. 12, 12.65; Mar. 26, 12.70; May 15, 11.60; June 27, 12.75; Sept. 10, 12.55; Oct. 6, 12.73; Nov. 16, 13.23.

R-54. T. S. Ingle. Measuring point, top of wood clamps, 1.5 feet above land surface. Water levels: Jan. 4, 20.25; Feb. 12, 20.31; Mar. 26, 20.42; May 15, a/ 25.30; May 15, b/ 20.83; June 27, 20.67; Sept. 10, 21.07; Nov. 16, 20.97.

R-55. L. Roberson and B. Hubbs. Measuring point, top of steel casing 0.4 foot above land surface. Water levels: Nov. 2, 1939, 12.60; Feb. 12, 12.85; Mar. 26, 12.84; May 5, 17.10; May 5, b/ 13.22; June 27, 13.17; Sept. 10, 13.60; Nov. 16, 13.57.

R-56. Louis Roberson. Measuring point, top of wood clamps, 1.3 feet above land surface. Water levels: Dec. 19, 1939, 9.87; Nov. 16, 10.03.

R-57. John Lopoo. Measuring point, top of casing, 2.2 feet above land surface. Water levels: Dec. 19, 1939, 4.26; Feb. 12, 4.85; Mar. 12, 5.04; Mar. 26, 5.39; May 20, 5.00; June 27, 5.25; Sept. 10, 5.44; Nov. 16, 5.49.

R-58. John Lopoo. Measuring point, top of clamps, 1.5 feet above land surface. Water levels: Dec. 19, 1939, 12.96; Feb. 12, a/ 13.82; May 20, 13.43; June 27, 13.60; Sept. 10, 14.43; Nov. 16, 14.09.

See footnotes at end of table.

R-61. Leo Mears. Measuring point, bottom of plank, flush with land surface. Water levels: Nov. 17, 1939, 24.20; Feb. 12, 22.92; Mar. 9, 23.08.

R-62. C. D. Boyd. Measuring point, top of casing, flush with land surface. Water levels: Nov. 17, 1939, 22.70; Feb. 12, 21.77; Mar. 9, 21.85; May. 20, 22.39; Sept. 10, 24.08; Nov. 29, 23.06.

R-63. W. H. Boyd. Measuring point, bottom of pitcher pump, 1.1 feet above land surface. Water levels: Nov. 17, 1939, 22.60; Feb. 12, 22.57; Mar. 9, 22.71; May 20, 23.00; Aug. 7, 24.03; Sept. 10, 23.62; Nov. 29, 23.71.

R-64. G. G. Breen. Measuring point, bottom of pump flange, 15.18 feet below land surface. Water levels: Nov. 17, 1939, 9.37; Feb. 12, 8.40; Mar. 9, 8.33; May 20, 8.90; Aug. 7, 10.54; Sept. 10, 11.72; Nov. 29, 9.45.

R-66. S. M. Prewit. Measuring point, top of platform, 0.5 foot above land surface. Water levels: Nov. 17, 1939, 31.60; Sept. 16, b/ 32.68.

R-82. J. H. Gridder. Measuring point, top of barrel, flush with land surface. Water levels: Mar. 14, 22.22; May 16, 20.79.

R-85. R. S. Burchard. Measuring point, top of wood clamps, 0.5 foot above land surface. Water levels: Aug. 8, 45.68; Sept. 13, 45.68; Nov. 21 44.25.

R-87. E. B. Daniel. Measuring point, top of casing, 0.3 foot above land surface. Water levels: Aug. 8, 168.63; Sept. 13, 172.10.

R-88. R. S. Burchard. Measuring point, top of wood clamps, 1.0 foot above land surface. Water levels: Feb. 13, 168.50; May 16, 165.13; Aug. 8, 165.67; Sept. 13, 165.57.

R-89. E. B. Daniel. Measuring point, top of wood clamps, 0.5 foot above land surface. Water levels: Aug. 8, 146.70; Sept. 13, 145.85.

R-91. Elmer Wadley. Measuring point, top of casing, 1.5 feet above land surface. Water levels: Dec. 21, 1939, 67.72; Feb. 13, 67.55; Apr. 16, 67.98; May 17, 68.35; Aug. 8, 69.63; Sept. 16, 68.80; Nov. 14, 68.60.

R-92. Elmer Wadley. Measuring point, top of iron clamp, 2.0 feet above land surface. Water levels: Dec. 21, 1939, 72.91; Aug. 8, 67.38; Sept. 16, 67.17; Nov. 14, 67.13.

R-93. H. C. Bryan. Measuring point, bottom of frame timber, flush with land surface. Water levels: June-July, 1927, d/ 34.; Dec. 18, 1930, d/ 33.40; Mar. 4, 1931, d/ 33.26; Apr. 6, 1931, 33.42; May 6, 1931, 33.17; June 2, 1931, 33.91; July 2, 1931, 33.70; Aug. 5, 1931, 33.60; Sept. 5, 1931, 33.99; Oct. 1, 1931, 34.03; Oct. 27, 1931, 33.72; Dec. 5, 1931, 33.20; Dec. 31, 1931, 33.47; Feb. 2, 1932, 33.64; Mar. 1, 1932, 33.55; Apr. 1, 1932, 33.75; May 2, 1932, 33.95; Nov. 16, 1939, 35.95; Feb. 3, 35.41; Apr. 16, 35.92; Aug. 8, 37.38; Nov. 14, 36.33.

R-94. E. L. McDaniel. Measuring point, top of sleeve on casing, flush with land surface. Water levels: Nov. 16, 1939, 36.25; Apr. 16, 36.42; May 17, 37.67; Aug. 8, 38.20; Nov. 14, 36.05.

R-95. M. L. Todd. Measuring point, top of west frame timber, flush with land surface. Water levels: Nov. 15, 1939, 21.97; Feb. 3, 22.20; Feb. 29, 22.28; Apr. 16, 22.40; May 17, 22.49; Aug. 8, 22.73; Sept. 16, 22.85; Nov. 14, 22.77.

R-96. Harold Wendt. Measuring point, top of north pump frame header, 0.3 foot above land surface. Water levels: Sept. 15, 1930, d/ 22.40; Dec. 18, 1930, d/ 22.50; Mar. 4, 1931, d/ 22.59; Apr. 6, 1931, d/ 22.58; May 6, 1931, 22.52; June 2, 1931, 22.63; July 2, 1931, 22.75; Aug. 5, 1931, 22.86; Sept. 3, 1931, 22.92; Oct. 1, 1931, 23.05; Oct. 27, 1931, 23.00; Dec. 5, 1931, 22.98; Dec. 31, 1931, 22.86; Feb. 2, 1932, 22.89; Mar. 1, 1932, 22.71; Apr. 1, 1932, 22.64; May 2, 1932, 22.52; June 1, 1932, 22.52; Nov. 16, 1939, 22.36; Apr. 16, 21.87.

R-99. M. L. Todd. Measuring point, base of pump, flush with land surface. Water levels: Sept. 16, 31.89; Nov. 14, 27.74.

R-99a. M. L. Todd. Measuring point, top of casing in cement block, flush with land surface. Water levels: Nov. 15, 1939, 23.29; Feb. 3, 23.10; Feb. 29, a/ 32.93; Apr. 16, a/ 34.11; May 17, a/ 39.27; Aug. 8, 24.45; Sept. 16, 24.13; Nov. 14, 22.44.

R-100. J. W. Brooks. Measuring point, bottom of pump base, flush with land surface. Water levels: Apr. 16, a/ 55.80; Aug. 8, 39.30; Sept. 16, 37.85; Nov. 14, 33.38.

R-100a. J. W. Brooks. Measuring point, bottom of pump base, flush with land surface. Water levels: Nov. 16, 1939, 19.88; Feb. 3, 22.30; Apr. 16, 21.96; Aug. 8, 19.60; Sept. 16, 19.09; Nov. 14, 19.46.

R-101. Harold Wendt. Measuring point, top of casing, 0.5 foot above land surface. Water levels: June-July, 1927, d/ 35.; Sept. 15, 1930, d/ 35.58; Dec. 18, 1930, d/ 35.66; Mar. 4, 1931, d/ 35.97; Apr. 6, 1931, 36.68; May 6, 1931, 39.44; June 2, 1931, 38.24; Aug. 5, 1931, 32.35; Oct. 1, 1939, 26.71; Oct. 27, 1931, 29.58; Dec. 5, 1931, 30.41; Dec. 31, 1931, 30.97; Feb. 2, 1932, 32.20; Mar. 1, 1932, 32.19; Apr. 1, 1932, 33.35; May 2, 1932, 33.27; June 1, 1932, 33.25; Nov. 16, 1939, 38.16; Feb. 3, 37.40; Sept. 16, 42.10; Nov. 14, 38.67.

R-103. Tolbert Garrett. Measuring point, land surface. Water levels: Dec. 23, 1939, \*2.4; May 3, 1.1; June 26, 1.7; Oct. 18, \*1.0.

R-104. Jess Mendenhall. Measuring point, land surface. Water levels: Dec. 23, 1939, 0.2; Mar. 1, 1.6; May 3, \*0.1; June 26, 0.8.

R-105. Davis. Measuring point, land surface. Water levels: Dec. 21, 1939, \*4.8; Mar. 1, \*5.9.

R-106. Reba Morgan. Measuring point, land surface. Water levels: Dec. 21, 1939, \*2.7; Mar. 1, \*4.0; Mar. 2, 0.0; Aug. 18, \*6.

R-109. Ronald Roberson. Measuring point, land surface. Water levels: Jan. 15, \*14.0; Mar. 1, \*10.9; May 3, \*8.7; June 20, \*10.1; Oct. 18, \*11.6.

R-112. L. W. Lewis. Measuring point, land surface. Water levels: Nov. 17, 1939, \*3.9; Jan. 15, \*4.5; Mar. 1, \*4.5; May 3, \*2.6.

R-114. A. Schmid. Measuring point, land surface. Water levels: Nov. 24, 1939, \*7.5; Jan. 15, \*7.1; Mar. 1, \*6.5; May 3, \*6.2; Oct. 18, \*6.8.

See footnotes at end of table.



R-115. A. Schmid. Measuring point, top of casing, 2.2 feet above land surface. Water levels: Oct. 9, 1939, 13.40; Oct. 10, 1939, 13.40; Jan. 15, 12.87; Mar. 26, 12.82; May 2, 12.63; June 26, 13.24; Sept. 10, 13.02; Nov. 16, 13.00.

R-118. Clyde Simmonds. Measuring point, land surface. Water levels: Nov. 20, 1939, \*12.6; Jan. 15, \*13.6; Mar. 1, \*12.2; May 3, \*8.4; June 20, \*7.1.

R-121. Jake Portervant. Measuring point, land surface. Water levels: Nov. 24, 1939, \*13.8; Jan. 15, \*13.7; Mar. 1, \*10.0; May 3, \*10.0; June 20, \*9.0.

R-122. R. V. Nabers. Measuring point, land surface. Water levels: Nov. 24, 1939 \*12.0; Jan. 15, \*13.0; Mar. 1, \*12.0; May 3, \*7.5; June 20, \*7.6; Oct. 19, \*11.1.

R-124. Texas Highway Dept. Measuring point, land surface. Water levels: Nov. 24, 1939, \*14.9; Jan. 15, \*14.6; Mar. 1, \*14.3; May 3, \*9.8; June 20, \*10.8; Oct. 19, \*14.3.

R-127. R. H. Harper. Measuring point, land surface. Water levels: Nov. 24, 1939, \*12.6; Jan. 15, \*12.7; Mar. 1, \*12.3; May 3, \*8.1; Oct. 18 \*12.0.

R-129. R. B. Glier. Measuring point, land surface. Water levels: Nov. 20, 1939, \*9.7; Jan. 15, \*9.6; Mar. 1, \*10.8; May 3, \*5.0; June 20, \*4.8.

R-130. E. C. Langston. Measuring point, land surface. Water levels: Dec. 5, 1939, \*17.7; Jan. 15, \*17.4; Mar. 1, \*17.5; May 2, \*11.8; June 20, \*12.0; Oct. 18, \*15.0.

R-131. Jimmie Otto. Measuring point, land surface. Water levels: Nov. 20, 1939, \*10.5; Jan. 15, \*11.5; Mar. 1, \*11.4; May 3, \*5.8; June 20, \*5.2.

R-133. Earl Fisher. Measuring point, land surface. Water levels: Nov. 20, 1939, \*12.1; May 3, \*9.0; June 25, \*9.2.

R-134. A. Alexander. Measuring point, land surface. Water levels: Nov. 20, 1939, \*9.5; Jan. 15, \*9.1.

R-135. C. L. Elkins. Measuring point, land surface. Water levels: Nov. 20, 1939, \*12.3; May 3, \*6.6; June 20, \*5.8; Oct. 18, \*11.0.

R-136. Pink Bowie. Measuring point, land surface. Water levels: Nov. 20, 1939, \*12.3; May 3, \*7.3; June 20, \*7.0.

R-137. E. B. Kiser. Measuring point, land surface. Water levels: Nov. 20, 1939, \*12.3; Jan. 15, \*11.6; Mar. 1, \*13.5; May 3, \*4.9; June 20, \*5.6.

R-138. I. R. Wells. Measuring point, land surface. Water levels: Nov. 20, 1939, \*10.8; Jan. 15, \*11.7; Mar. 1, \*11.0; May 3, \*6.5; June 20, \*6.0;

R-140. E. B. Kiser. Measuring point, land surface. Water levels: Nov. 20, 1939, \*12.3; Jan. 15, \*12.5; Mar. 1, \*13.6; May 3, \*8.0; June 20, \*5.0; Oct. 18, \*9.4.

R-141. A. Justis. Measuring point, land surface. Water levels: Nov. 20, 1939, \*11.4; May 3, \*5.8; June 20, \*6.8.

See footnotes at end of table.

R-142. D. W. Justis. Measuring point, land surface. Water levels: Nov. 20, 1939, \*10.8; May 3, \*6.3; June 20, \*6.3; Oct. 18, \*7.1.

R-143. J. S. Bennett. Measuring point, land surface. Water levels: Dec. 4, 1939, \*4.0; Jan. 15, \*4.0; Mar. 1, \*3.1; May 3, \*1.5.

R-147. Tom Simmonds. Measuring point, land surface. Water levels: Nov. 20, 1939, \*12.1; Jan. 15, \*12.0; Mar. 1, \*12.0; May 3, \*8.0; June 20, \*5.5.

R-152. Burford Refining Co. Measuring point, land surface. Water levels: Nov. 24, 1939, \*9.0; Mar. 1, \*7.0; May 3, \*5.9; June 26, \*3.9.

R-155. Jim Moore. Measuring point, land surface. Water levels: Nov. 21, 1939, \*3.9; Jan. 15, \*5.4; Mar. 1, \*4.3; May 3, \*0.5; Oct. 18, \*3.0.

R-156. John Doll. Measuring point, land surface. Water levels: Nov. 24, 1939, \*3.5; Jan. 15, \*2.8; Mar. 1, \*2.8.

R-158. T. & P. Railway Co. Measuring point, land surface. Water levels: Nov. 21, 1939, \*7.8; Jan. 15, \*8.5; Mar. 1, \*8.5; May 3, \*5.8; June 26, \*6.1.

R-164. Ben Randall. Measuring point, land surface. Water levels: Nov. 22, 1939, \*0.2; Jan. 15, \*0.6; Feb. 8, \*1.1.

R-166. Ed. Otto. Measuring point, land surface. Water levels: Nov. 20, 1939, \*6.5; Jan. 15, \*7.0; Mar. 1, \*6.9; May 3, \*2.9; June 25, \*2.5.

R-167. Ed. Otto. Measuring point, land surface. Water levels: Nov. 21, 1939, \*5.8; Jan. 15, \*7.0; Mar. 1, \*6.14; May 3, \*2.4; June 26, \*2.3; Oct. 18, \*5.1.

R-169. O. J. Green. Measuring point, land surface. Water levels: Nov. 20, 1939, \*2.8; Jan. 15, \*4.0; Mar. 1, \*4.1; Oct. 18, \*3.5.

R-173. Elmer Wadley. Measuring point, land surface. Water levels: Nov. 20, 1939, \*3.7; Jan. 15, \*4.7; Mar. 1, \*4.7; May 3, \*0.2.

R-174. R. G. Middleton. Measuring point, land surface. Water levels: Nov. 21, 1939, \*4.9; Jan. 15, \*6.7; Mar. 1, \*4.7; Oct. 18, \*5.2.

R-175. R. L. Sullivan. Measuring point, land surface. Water levels: Dec. 5, 1939, \*1.1; Jan. 15, \*1.2; May 3, 0.1; June 26, 0.0.

R-181. J. B. Heard. Measuring point, land surface. Water levels: Nov. 21, 1939, \*3.9; Jan. 15, \*5.9; Mar. 1, \*4.0; May 3, \*1.4; June 26, \*1.3; Oct. 18, \*3.5.

R-184. Jess Fletcher. Measuring point, land surface. Water levels: Nov. 22, 1939, \*7.3; Jan. 15, \*9.7; Mar. 1, \*10.5; May 3, \*4.4; June 20, \*5.2; Oct. 18, \*7.5.

R-185. Wm. Rossman. Measuring point, land surface. Water levels: Nov. 22, 1939, \*12.5; Jan. 15, \*13.7; Mar. 1, \*14.5; May 3, \*13.0; June 20, \*12.0; Oct. 18, \*13.5.

R-186. Max Tourn. Measuring point, land surface. Water levels: Nov. 22, 1939, \*5.3; Jan. 15, \*8.1; Mar. 1, \*7.3; May 3, \*5.5; June 20, \*6.9; Oct. 18, \*7.1.

See footnotes at end of table.

R-189. Dorothy Roberson. Measuring point, land surface. Water levels: Nov. 20, 1939, \*3.1; Jan. 15, \*5.5; Mar. 1, \*4.0; Oct. 18, \*3.4.

R-202. Texas Highway Dept. Measuring point, land surface. Water levels: Nov. 22, 1939, 0.9; Jan. 15, 0.6; Mar. 1, 1.3; May 4, 3.8; June 26, 4.8.

R-205. Hillard Camp. Measuring point, land surface. Water levels: Nov. 20, 1939, \*0.2; Jan. 15, \*0.6; Feb. 8, \*1.1.

R-208. C. O. Finley. Measuring point, land surface. Water levels: Nov. 22, 1939, \*3.0; Jan. 15, \*3.0; Mar. 1, \*2.9.

R-210. Otho Ligon. Measuring point, land surface. Water levels: Nov. 22, 1939, \*3.6; Jan. 15, \*4.0; Mar. 1, \*3.0.

R-211. T. H. Bechaump. Measuring point, land surface. Water levels: Nov. 22, 1939, \*3.0; Jan. 15, \*4.0; Mar. 1, \*4.0; May 3, \*0.8; June 26, \*2.1; Oct. 18, \*2.5.

R-213. Louis Roberson and McKellar; Measuring point, land surface. Water levels: Nov. 22, 1939, \*3.6; Jan. 15, \*4.7; Mar. 1, \*5.9; May 3, \*0.8.

R-217. Luby. Measuring point, land surface. Water levels: Nov. 22, 1939, \*2.2; Jan. 15, \*3.5; Mar. 1, \*3.0.

R-222. Swede Johnson. Measuring point, land surface. Water levels: Nov. 24, 1939, \*2.3; Mar. 1, \*1.2; May 2, 0.4; June 26, \*2.3.

R-223. J. E. Wilhite. Measuring point, land surface. Water levels: Nov. 24, 1939, \*2.4; Jan. 15, \*3.0.

R-224. Monroe Kerr. Measuring point, land surface. Water levels: Nov. 24, 1939, \*1.1; Jan. 15, \*1.3; Mar. 1, \*0.4; May 4, 1.1; June 26, \*2.2; Oct. 18, 0.5.

R-226. H. D. Hudson. Measuring point, land surface. Water levels: Nov. 24, 1939, \*2.0; Jan. 15, \*2.3; Mar. 1, \*1.6.

R-228. Bill Beckham. Measuring point, land surface. Water levels: Nov. 24, 1939, \*3.7; Jan. 15, \*4.9; Mar. 1, \*5.0; May 3, \*0.3; June 26, 0.0; Oct. 18, \*4.2.

R-229. W. L. Bell. Measuring point, land surface. Water levels: Nov. 24, 1939, \*4.5; Jan. 15, \*6.2; Mar. 1, \*5.7; May 3, \*1.2; Oct. 18, \*3.9.

R-230. I. R. Titus. Measuring point, land surface. Water levels: Nov. 24, 1939, \*3.2; Jan. 15, \*4.1; Mar. 1, \*4.1.

R-231. W. W. Dean. Measuring point, land surface. Water levels: Nov. 24, 1939, \*3.9; Jan. 15, \*4.2; Mar. 1, \*4.0; May 4, \*0.9; June 26, \*1.0.

R-250. E. L. Collins. Measuring point, land surface. Water levels: Nov. 18, 1939, \*1.2; Nov. 24, 1939, \*3.1; Jan. 15, \*0.8.

R-253. L. F. Buchanan. Measuring point, land surface. Water levels: Dec. 2, 1939, \*4.3; Jan. 15, \*4.1; Mar. 1, \*4.0; May 3, \*1.7; June 25, \*1.7; Oct. 19, \*3.3.

R-260. Lizzie Morrison. Measuring point, land surface. Water levels: Jan. 15, \*2.7; May 3, \*0.6; June 20, \*0.1; Oct. 18, \*1.9.

R-262. Bob Lewis. Measuring point, land surface. Water levels: Dec. 2, 1939, \*3.7; Jan. 15, \*5.1; Mar. 1, \*5.0; May 3, \*1.0.

R-264. Buck Jackson. Measuring point, land surface. Water levels: Dec. 2, 1939, \*1.0; Jan. 15, \*1.0; Mar. 1, \*1.2.

R-265. S. M. Prewit. Measuring point, land surface. Water levels: Dec. 5, 1939, \*5.4; Jan. 15, \*5.6; Mar. 1, \*5.6; May 4, \*3.1; June 25, \*3.3; Oct. 19, \*4.4.

R-266. Jim Deakins. Measuring point, land surface. Water levels: Dec. 4, 1939, \*5.5; Jan. 15, \*6.5; Mar. 1, \*3.4; June 25, \*5.3; Oct. 18, \*5.7.

R-267. Burford Refining Co. Measuring point, land surface. Water levels, Nov. 24, 1939, \*6.6; Mar. 1, \*6.5; May 4, \*2.7; June 26, \*2.1.

R-271. S. M. Prewit. Measuring point, top of casing, 1.5 feet above land surface. Water levels: Jan. 2, 14.88; Feb. 8, 13.90; Mar. 2, 13.97; Apr. 1, 13.29; May 7, 12.91; July 20, 12.64; Sept. 10, 13.07; Nov. 15, 10.42.

R-272. Reynolds Estate. Measuring point, top of wood clamps, 0.6 feet above land surface. Water levels: Oct. 9, 1939, 8.20; Mar. 2, 8.24; Apr. 1, 8.22; May 7, a/ 22.42; July 20, a/ 15.51; July 20, c/ 10.19; Sept. 10, b/ 11.46; Nov. 15, 5.48.

R-273. S. M. Prewit. Measuring point, land surface. Water levels: Dec. 5, 1939, 2.0; Jan. 15, 3.6; Mar. 1, 2.6; May 3, 2.2; June 20, 2.3; Oct. 18, 1.9.

R-274. Denver Perkins. Measuring point, top of concrete casing, 2.0 feet above land surface. Water levels: Oct. 9, 1939, 10.00; Feb. 8, 10.23; Mar. 2, 10.57; Apr. 1, 10.05; May 7, 9.50; July 20, 9.88; Sept. 10, 10.21; Nov. 15, 9.28.

R-275. V. B. Mays. Measuring point, top of casing, 0.5 foot above land surface. Water levels: Oct. 9, 1939, 5.70; Feb. 8, 5.62; Mar. 2, 5.71; Apr. 1, a/ 9.23; May 7, a/ 17.10; May 7, b/ 5.68; July 20, 5.39; Sept. 10, b/ 5.77; Nov. 15, 4.60.

R-277. V. B. Mays. Measuring point, top of casing, 3.5 feet below land surface. Water levels: Oct. 10, 1939, 4.10; Feb. 8, 3.95; Mar. 2, 4.09; Apr. 1, 4.33; May 7, 4.74; July 20, 4.56; Sept. 10, 3.45; Nov. 15, 3.00.

R-279. R. D. Copeland. Measuring point, top of outlet pipe, 0.5 foot above land surface. Water levels: Aug. 19, 2.35; Nov. 15, \*0.80.

R-280. R. D. Copeland. Measuring point, top of casing, flush with land surface. Water levels: Aug. 19, 17.62; Nov. 15, 17.07.

R-283. J. M. Williams. Measuring point, bottom of pump frame header, flush with land surface. Water levels: June-July, 1927, d/ 25; Dec. 18, 1930 d/ 25.63; Mar. 4, 1931, d/ 25.66; Apr. 6, 1931, 25.75; May 6, 1931, 25.25; June 2, 1931, 28.00; Oct. 1, 1931, 26.96; Oct. 26, 1931, 25.10; Dec. 5, 1931, 23.82; Dec. 31, 1931, 23.77; Feb. 2, 1932, 23.67; Mar. 1, 1932, 23.61; Apr. 1, 1932, 23.67; May 2, 1932, 23.87; June 1, 1932, 23.65; Nov. 16, 1939, 26.57; Feb. 5, 25.41; Mar. 11, 27.23; May 17, a/ 35.7; Sept. 12, 30.02.

R-286. Texas Highway Dept. Measuring point, top of casing, 3.0 feet above land surface. Water levels: Nov. 16, 1939, 35.80; Feb. 8, 35.58; Apr. 17, 35.75; May 17, 35.99; Aug. 8, 36.57; Sept. 12, 36.50; Nov. 21, 35.55.

R-288. B. G. Smith Measuring point, bottom of pump base, 1.0 foot above land surface. Water levels: Nov. 16, 1939, 33.20; Feb. 3, 32.83; Apr. 17, 39.10; May 17, a/ 54.13; Nov. 14, 33.78.

R-288a. B. G. Smith; Measuring point, bottom of pump base, 1.0 foot above land surface. Water levels: Nov. 16, 1939, 36.72; Feb. 3, 37.09; Apr. 17, 36.87; May 17, 37.14; Nov. 14, 36.54.

R-291. Billie Prewit. Measuring point, top of casing, 1.0 foot above land surface. Water levels: Feb. 26, 67.10; Apr. 17, b/ 67.76; Sept. 12, 69.25.

R-292. Texas Highway Dept. Measuring point, top of casing, 1.5 feet above land surface. Water levels: Nov. 16, 1939, 95.45; Feb. 13, 95.40; Feb. 26, 94.98; Apr. 17, 95.60; May 16, 95.83; Aug. 8, 96.56; Sept. 12, 97.95; Nov. 21, 96.10.

R-293. Billie Prewit. Measuring point, top of wood clamps, 2.0 feet above land surface. Water levels: Feb. 13, 98.90; Feb. 26, 100.48; Apr. 17, 101.20; Sept. 12, 102.25.

R-294. Billie Prewit. Measuring point, top of wood clamps, 1.6 feet above land surface. Water levels: Dec. 15, 1939, 126.40; Feb. 13, 124.19; Apr. 17, 124.45; May 16, 124.05; Aug. 8, 124.19; Nov. 21, 127.55.

R-299. R. N. Burchard. Measuring point, top of wood clamps, 0.5 foot above land surface. Water levels: Mar. 13, 31.20; Sept. 13, 27.35.

R-300. E. B. Daniel. Measuring point, top of wood clamps, 0.8 foot above land surface. Water levels: Feb. 13, 27.70; Mar. 13, a/ 124.50; May 16, 21.06; Sept. 13, 22.03.

R-313. C. M. Caldwell. Measuring point, top of casing, 1.6 feet above land surface. Water levels: May 28, 18.42; Sept. 21, b/ 25.65.

R-322. W. D. Johnson. Measuring point, top of steel clamp, 2.3 feet above land surface. Water levels: Apr. 17, 81.40; Sept. 20, 81.20.

R-323. W. D. Johnson. Measuring point, top of frame timber, 1.0 foot above land surface. Water levels: Apr. 17, 56.75; May 29, 55.89.

R-324. W. D. Johnson. Measuring point, top of frame timber, flush with land surface. Water levels: Apr. 17, 58.24; May 29, 58.14.

R-327. Trav Humphrey. Measuring point, top of casing, 2 feet above land surface. Water levels: Mar. 13, 55.0; Oct. 21, 39.3.

R-328. William Daniels. Measuring point, top of wood clamp, 0.5 foot above land surface. Water levels: Nov. 16, 1939, 25.6; Mar. 13, 28.2; Oct 21, 26.4.

R-329. Mrs. C.C. Cargill. Measuring point, top of steel clamps, 1 foot above land surface. Water levels: Nov. 16, 1939, 33.0; Mar. 13, 26.1; Oct. 21, 23.7.

R-332. J. W. Humphreys. Measuring point, top of casing, 1.4 feet above land surface. Water levels: Nov. 15, 1939, 21.8; Mar. 13, 20.4.

R-334. Terry Duncan. Measuring point, top of wood clamp, 2 feet above land surface. Water levels: Nov. 15, 1939, 38.5; Mar. 13, 23.1; Oct. 21, 20.0.

R-335. Mrs. Joe Duncan. Measuring point, top of wood clamps, 1.5 feet above land surface. Water levels: Nov. 15, 1939, 25.2; Mar. 13, 28.3; July 18, 28.2; Oct. 21, 25.6.

R-336. Lob Walker. Measuring point, top of wood clamp; 0.5 foot above land surface. Water levels: Nov. 15, 1939, 23.3; Mar. 13, 26.7; July 18, 23.4; Oct. 21, 27.4.

R-338. County. Measuring point, 1 $\frac{1}{4}$  inch valve, 0.5 foot above land surface. Water levels: Dec. 15, 1939, 70.0; Feb. 13, 51.2; May 16, 57.3; Oct. 21 93.0.

R-339. A. H. Bruce. Measuring point, top of wood clamp, 0.4 foot above land surface. Water levels: Nov. 16, 1939, 33.4; Mar. 13, 22.2; Oct. 21, 22.8.

R-340. Bob Parker. Measuring point, top of casing, flush with land surface. Water levels: Nov. 16, 1939, 36.7; Mar. 13, 27.0.

R-341. Pabla Martinez. Measuring point, top of wood clamps, 4 feet above land surface. Water levels: Nov. 15, 1939, 29.8; Mar. 13, 28.8; July 18, 29.8; Oct. 21, 28.5.

R-344. Pablo Renteric. Measuring point, top of casing, 4.5 feet above land surface. Water levels: Nov. 15, 1939, 31.6; Mar. 13, 30.8; July 18, 31.8; Oct. 21, 28.4.

R-345. P. R. Bitolas. Measuring point, top of curb, 3 feet above land surface. Water levels: Nov. 15, 1939, 30.0; Mar. 13, 30.5; July 18, 30.60.

R-346. Marie Talmantez. Measuring point, top of wood clamps, 0.8 foot above land surface. Water levels: Nov. 15, 1939, 26.9; Mar. 13, 28.3; July 18, 28.9.

R-347. T. & P. Railroad. Measuring point, top of wood clamps, 0.8 foot above land surface. Water levels: Dec. 15, 1939, 70.0; Feb. 13, 59.2.

R-357. S. M. Prewit. Measuring point, top of wood clamps, 3.0 feet above land surface. Water levels: Apr. 16, 139.28; July 31, 139.93.

R-359. C. O. Finley. Measuring point, top of wood clamps, 1.0 foot above land surface. Water levels: Oct. 3, 1939, a/ 66.92; Apr. 16, 66.50; May 31, 66.59; Nov. 22, 67.02.

R-361. Billie Prewit. Measuring point, top of wood pipe clamps, 2.0 feet above land surface. Water levels: Feb. 26, 64.47; Nov. 12, 65.28.

R-362. Elmer Madley. Measuring point, top of wood clamps, flush with land surface. Water levels: Feb. 26, 42.55; Sept. 12, 42.93.

R-363. Billie Prewit. Measuring point, top of flange on casing, 0.4 foot above land surface. Water levels: July 31, b/ 24.78; July 31, a/ 25.74; Sept. 14, 25.22; Nov. 22, 22.83.

R-363a. Billie Prewit. Measuring point, top of wood frame, 2.0 feet above land surface. Water levels: July 31, 25.25; Aug. 19, 25.20; Sept. 14, 25.25; Nov. 22, 24.52.

R-364. Barnowsky. Measuring point, top of cellar on casing, 1.2 feet above land surface. Water levels: Aug. 11, 50.54; Nov. 22, 50.26.

R-365. Billie Prewit. Measuring point, top of casing, 0.5 foot above land surface. Water levels: Jan. 13, 32.54; Sept. 12, 32.51.

R-366. Carrie Eisenwine. Measuring point, top of frame timber, flush with land surface. Water levels: Feb. 10, 22.62; July 31, 23.15.

R-367. S. M. Prewit. Measuring point, top of casing, 1.0 foot above land surface. Water levels: Feb. 19, 9.59; Sept. 25, a/ 37.30; Nov. 22, 9.27.

R-370. R. R. Youngblood Jr. Measuring point, bottom of frame timber, flush with land surface. Water levels: June-July, 1927, d/ 17; Dec. 18, 1930, d/ 17.08; Mar. 4, 1931, d/ 16.72; May 6, 1931, 16.05; Aug. 5, 1931 19.33; Oct. 26, 1931, 18.11; Dec. 5, 1931, 17.38; Dec. 31, 1931, 17.12; Feb. 2, 1932, 16.98; Mar. 1, 1932, 17.65; Mar. 11, 15.80; Apr. 15, 15.87; Aug. 19, 17.54; Nov. 15, 15.49.

R-372. J. H. Sudbrock. Measuring point, top of frame timber, flush with land surface. Water levels: June-July, 1927, d/ 20; Dec. 18, 1930, d/ 18.77; Mar. 4, 1931, d/ 18.15; May 6, 1931, 18.18; Oct. 26, 1931, 19.58; Dec. 5, 1931, 19.08; Dec. 31, 1931, 18.48; Feb. 2, 1932, 18.17; Mar. 1, 1932, 17.99; Apr. 1, 1932, 17.90; Feb. 10, 17.85; Apr. 15, 16.67.

R-373. J. H. Sudbrock. Measuring point, top of pump flange, 0.3 foot above land surface. Water levels: Sept. 12, c/ 23.66; Nov. 15, a/ 40.93.

R-374. W. E. Beckham. Measuring point, top of casing, 0.7 foot above land surface. Water levels: Apr. 15, 15.78; Aug. 19, 17.25.

R-375. W. E. Beckham. Measuring point, top of casing 1.5 foot above land surface. Water levels: Mar. 23, 15.94; Aug. 19, a/ 19.20; Nov. 15, 14.24.

R-377. W. E. Beckham. Measuring point, top of casing collar, 1.4 feet above land surface. Water levels: Apr. 15, 13.89; Sept. 12, 17.49; Nov. 15, 11.94.

R-379. John Wendt. Measuring point, top of wood clamps, 0.5 foot above land surface. Water levels: Feb. 10, 16.13; Sept. 7, 18.72; Nov. 15, 15.98.

R-379a. John Wendt. Measuring point, top of wood clamps, 0.5 foot above land surface. Water levels: Feb. 10, 15.71; Sept. 7, 15.43; Nov. 15, 15.78.

R-380. S. M. Prewit. Measuring point, lowest brick in casing, 1.0 foot above land surface. Water levels: Jan. 13, 14.28; Nov. 22, 12.85.

R-381. S. M. Prewit. Measuring point, top of sleeve on casing, 2.0 feet above land surface. Water levels: Jan. 13, 15.47; Nov. 22, 12.72.

R-382. Elmer Wadley. Measuring point, top of wood clamps, 0.8 foot above land surface. Water levels: Aug. 19, 16.37; Sept. 12, 13.45; Aug. 19, a/ 24.30.

R-383. Elmer Wadley. Measuring point, top of casing, 1.3 feet above land surface. Water levels: Feb. 5, 26.64; Feb. 26, 26.82; Mar. 11, 26.80; Apr. 15, 24.20; May 17, 25.24; July 30, 26.72; Aug. 19, 26.72; Sept. 7, 27.10; Nov. 15, 24.63.

R-384. Balmorhea Livestock Co. Measuring point, top of wood clamps, 1.7 feet above land surface. Water levels: Jan. 13, 21.69; Apr. 15, a/ 21.95; May 20, 22.42; June 27, 23.08; Aug. 19, a/ 23.29; Sept. 14, 23.20; Nov. 15, 22.28.

R-386. Tatum Eisenwine. Measuring point, hydrant flush with land surface. Water levels: Jan. 12, \*0.50; Oct. 18, \*2.04.

R-390. J. W. Watson. Measuring point, hydrant, 0.5 foot above land surface. Water levels: Jan. 12, \*6.60; May 3, \*7.6.

R-394. Frank Joplin. Measuring point, top of casing, 0.5 foot above land surface. Water levels: Jan. 12, 5.70; Feb. 19, 6.34; Mar. 5, 7.25; Apr. 1, 7.09; Apr. 10, 6.99; May 7, 6.83; May 22, 6.84; July 20, 6.39; Sept. 10, 6.20; Nov. 11, 5.80.

R-396. J.W. Watson. Measuring point, top of collar on casing, 1.6 feet above land surface. Water levels: Feb. 19, 22.45; Mar. 5, 22.40; Apr. 1, 22.39; Apr. 10, 22.34; May 7, 22.32; July 20, 22.50; Sept. 10, 22.60; Oct. 5, 22.70; Nov. 22, 22.29.

R-397. Carl Johnson. Measuring point, top of casing, 0.4 foot above land surface. Water levels: Oct. 10, 34.80; Dec. 7, 36.10; Apr. 19, 35.74.

R-398. Louis Roberson. Measuring point, cover on casing, flush with land surface. Water levels: Mar. 5, 22.98; May 7, a/ 23.90; May 7, b/ 23.80; July 20, a/ 24.49; July 20, b/ 24.43.

R-399. Louis Roberson. Measuring point, bottom of wood clamp, flush with land surface. Water levels: Mar. 5, 25.17; May 7, 25.61; July 20, 26.62; Oct. 5, 24.00.

R-400. R. D. Irion. Measuring point, top of casing, flush with land surface. Water levels: Mar. 5, 30.73; May 7, 31.40; July 20, 32.30.

R-402. R.D. Irion. Measuring point, top of wood clamps, 0.5 foot above land surface. Water levels: Mar. 5, 34.40; July 20, a/ 36.28; July 20, b/ 36.10.

R-406. S.M. Prewit. Measuring point, top of sleeve on casing, 1.2 feet above land surface. Water levels: Mar. 1, 27.15; May 20, 27.17; June 27, 27.40; Aug. 21, 27.40; Sept. 4, 27.47; Nov. 22, 26.09.

R-407. S. M. Prewit. Measuring point, top of wood clamps, 3.0 feet above land surface. Water levels: Jan. 13, 18.31; Mar. 1, 20.65; May 20, 22.64; June 1, a/ 28.13; Aug. 23, 23.03; Nov. 22, 18.04.

R-409. S. H. Prewit. Measuring point, top of casing, 1.2 feet above land surface. Water levels: Oct. 22, 1939, 5.42; May 20, 2.44.

R-410. S. M. Prewit. Measuring point, top of casing, 1.5 feet above land surface. Water levels: May 20, 11.70; Nov. 22, 9.91.



R-413. Port Daggett. Measuring point, top of wood clamps, 2.7 feet above land surface. Water levels: Jan. 16, 33.90; Mar. 8, 33.30; June 27, a/ 48.86; June 27, b/ 41.82; Sept. 4, 39.26; Nov. 22, a/ 36.84; Nov. 22, b/ 33.50.

R-415. Port Daggett. Measuring point, top of wood clamp, 1.8 feet above land surface. Water levels: Jan. 16, 22.64; Mar. 8, 22.62; June 27, a/ 23.37; June 27, b/ 23.15; Sept. 4, 23.12; Nov. 22, 22.26.

R-417. Port Daggett. Measuring point, top of wood clamps, 1.6 feet above land surface. Water levels: Oct. 26, 1939, 63.90; May 22, a/ 61.77; July 20, 60.92; Nov. 22, 60.12.

R-418. R. D. Irion. Measuring point, top of casing, flush with land surface. Water levels: Mar. 5, 75.88; May 22, 75.65; July 20, 75.33; Sept. 10, 75.23.

R-425. H. F. Anthony. Measuring point, top of wood clamps, 0.8 foot above land surface. Water levels: Dec. 17, 1939, 36.95; Apr. 1, 36.83; May 22, 36.96; July 20, a/ 37.83; July 20, b/ 37.10; Sept. 10, b/ 37.23.

R-426. H. F. Anthony. Measuring point, top of casing, 1.6 feet above land surface. Water levels: Dec. 17, 1939, 39.70; Dec. 20, 1939, 41.30; Apr. 1, 41.30; May 22, 41.25; July 20, a/ 43.30; July 20, b/ 41.54; July 23, 41.52; Sept. 10, b/ 41.70.

R-427. H. F. Anthony. Measuring point, top of wood clamps, 2.0 feet above land surface. Water levels: Mar. 5, a/ 84.90; Mar. 7, 73.08; May 22, 70.82; July 20, a/ 83.50; July 23, 70.48.

R-431. S. E. Ligon. Measuring point, top of steel clamp, 1.5 feet above land surface. Water levels: July 23, a/ 28.24; July 24, 28.21.

R-436. J. C. Trees. Measuring point, top of casing, 1.0 foot above land surface. Water levels: July 23, a/ 57.33; July 23, b/ 49.94; Sept. 19, a/ 57.35.

R-444. Port Daggett. Measuring point, top of wood clamps, 1.5 feet above land surface. Water levels: Jan. 16, 97.20; May 31, a/ 102.29; Sept. 19, 97.15.

R-445. Port Daggett. Measuring point, top of wood clamps, flush with land surface. Water levels: Jan. 16, 38.80; Sept. 19, 39.27.

R-446. Port Daggett. Measuring point, top of steel flange, 0.8 feet above land surface. Water levels: Oct. 1, 1939, 3.57; Mar. 1, 19.98; May 31, 13.05; June 27, 13.85; Sept. 3, 13.26; Nov. 22, 15.40.

R-447. A. A. Eddins. Measuring point, top of casing, flush with land surface. Water levels: Jan. 16, 97.44; May 31, 96.51; Sept. 19, 95.55.

R-449. Eddins Estate. Measuring point, top of casing, flush with land surface. Water levels: Mar. 5, 129.60; Apr. 1, 128.20; May 22, 128.22; July 20, 128.24; Sept. 10, 128.22.

R-451. Eddins Estate. Measuring point, top of wood clamps, 0.5 foot above land surface. Water levels: Mar. 7, 66.95; Sept. 19, a/ 91.60.

R-452. Eddins Estate. Measuring point, top of wood clamps, 0.5 foot above land surface. Water levels: Mar. 7, 71.38; Sept. 19, a/ 90.60.

R-453. G. M. Hall. Measuring point, top of wood clamps, 0.5 foot above land surface. Jan. 16, a/ 129.90; May 31, a/ 120.60; May 31, b/ 120.25; Sept. 19, a/ 122.50.

R-454. Eddins Estate. Measuring point, top of wood clamps, 2.0 feet above land surface. Water levels: Jan. 16, 109.20; May 31, a/ 109.45; Sept. 19, a/ 111.40.

R-455. Eddins Estate. Measuring point, top of casing, 1.2 feet above land surface. Water levels: Jan. 16, 106.98; May 31, 107.10; Sept. 19, 107.17.

R-456. Port Daggett. Measuring point top of wood clamps, 2.0 feet above land surface. Water levels: Jan. 17, 61.47; May 31, a/ 61.57; Sept. 4, 61.56.

R-460. Carrie Eisenwine. Measuring point, top of casing, flush with land surface. Water levels: Feb. 19, 17.75; Sept. 25, 18.79.

R-461. H. T. Collier. Measuring point, top of concrete block, 0.8 foot above land surface. Water levels: Aug. 20, 35.12; Sept. 25, 35.00.

R-463a. A. R. Epponauer. Measuring point, top of frame timber, 0.4 foot above land surface. Water levels: Apr. 15, 33.54; Nov. 15, 23.60.

R-468. Carrie Eisenwine. Measuring point, top of casing, 3.0 feet above land surface. Water levels: Mar. 11, 50.00; July 31, 51.64; Sept. 7, 51.75.

R-469. J. L. Moore. Measuring point, top of casing, flush with land surface. Water levels: July 30, 29.09; Oct. 2, 28.95.

R-471. J. L. Moore. Measuring point, top of sucker line pipe, 4.0 feet above land surface. Water levels: July 30, 37.32; Oct. 2, 39.21.

R-489. W. D. Johnson. Measuring point, top of steel clamps, 0.5 foot above land surface. Water levels: July 31, 22.30; Sept. 25, 18.41.

R-491. J. L. Moore. Measuring point, top of casing, 1.0 foot above land surface. Water levels: July 30, 141.63; Sept. 25, 139.05.

R-492. J. L. Moore. Measuring point, top of casing, flush with land surface. Water levels: July 30, 60.64; Oct. 2, 61.49.

R-493. Verhalen Nursery Co. Measuring point, top of casing, 1.0 foot above land surface. Water levels: Mar. 11, 24.80; Apr. 18, 24.85; May 27, 25.02; July 31, 25.35; Aug. 19, 25.33; Sept. 7, 25.45.

R-514. Port Daggett. Measuring point, top of wood clamps, 1.5 feet above land surface. Water levels: Jan. 17, 92.27; Sept. 4, 93.47.

R-517. Port Daggett. Measuring point, top of upper set of wood clamps 4.0 feet above land surface. Water levels: Jan. 17, 79.02; Mar. 8, 79.03; May 31, a/ 79.73; Sept. 4, 79.10.

R-519. J. R. Wilson. Measuring point, top of sleeve on casing, 4.2 feet above land surface. Jan. 17, 79.28; Sept. 5, 77.27.

R-520. Port Daggett. Measuring point, top of wood clamps, flush with land surface. Water levels: Mar. 1, a/ 87.50; May 31, a/ 84.04; May 31, b/ 84.02.

See footnotes at end of table.

R-535. Davis and Weinacht. Measuring point, top of wood clamps, 0.4 foot above land surface. Water levels: Apr. 18, b/ 101.55; July 30, 101.72.

R-540. T.& P. Railroad. Measuring point, top of wood clamps, 0.5 foot above land surface. Water levels: Mar. 11, 78.35; Apr. 15, 78.60; July 31, 79.25; Sept. 7, 79.29;

R-542. Sol Mayer. Measuring point, top of casing, 0.9 foot above land surface. Water levels: Apr. 18, 135.15; July 30, 135.83.

R-543. Sol Mayer. Measuring point, top of casing, 1.4 feet above land surface. Water levels: Apr. 18, 126.98; May 27, 127.52; July 30, 127.84; Aug. 19, 127.67.

R-544. Sol Mayer. Measuring point, top of casing, 1.6 feet above land surface. Water levels: Apr. 18, 159.30; July 30, 157.30.

R-549. I. K. Fowler. Measuring point, top of casing, flush with land surface. Water levels: Aug. 19, 101.70; Sept. 25, 99.43.

#### FOOTNOTES

a/ Windmill pumping.

b/ Pump shut down less than 30 minutes.

c/ Pump shut down 30 minutes or longer.

d/ Measurements prior to 1939 made by V.W.Rupp, S.S.Nye, R.E.Booker or Hedke.

Water levels in supply wells in Pecos County, Texas  
Measurements are in feet below measuring point, 1940  
(For descriptions of wells see well tables)

P-15. J. C. Trees. Measuring point, top of wood clamp, 0.5 foot above land surface. Water levels: Mar. 7, 48.0; Aug. 1, 48.61; Sept. 19, 48.92.

P-17. R. H. Reed. Measuring point, ground level (uncased well). Water levels: Mar. 7, 85.9; Sept. 19, 86.14.

P-18. R. M. Reed. Measuring point, top of wood clamp, 1.0 foot above land surface. Water levels: Sept. 9, 1932, d/ 71.; Mar. 7, 71.21; Sept. 19, a/ 75.03.

P-19. P. D. Colville. Measuring point, top of wood clamps, 1.8 feet above land surface. Water levels: Sept. 29, 1933, d/ 97.8; Mar. 23, 92.65.

P-20. E. L. Davis. Measuring point, top of concrete block flush with land surface. Water levels: Sept. 8, 1933, d/ 102.; Mar. 7, 104.25.

P-21. C. H. Hall. Measuring point, top of casing, 1.5 feet above land surface. Water levels: Sept. 8, 1933, d/ 117.5; Mar. 7, 114.04.

P-60. W. W. Courtney. Measuring point, top of casing, 2.3 feet above land surface. Water levels: Sept. 5, 1933, d/ 107; Mar. 1, 105.15; Sept. 5, 105.15.

P-61. W. W. Courtney. Measuring point, top of wood clamps, 1.0 foot above land surface. Water levels: Sept. 5, 1933, d/ 105.; Mar. 1, 102.30; Sept. 5, 102.20.

P-63. W. W. Courtney. Measuring point, top of casing, 1.0 foot above land surface. Water levels: Sept. 5, 1933, d/ 66.; Mar. 1, a/ 71.0; Sept. 5, 66.22.

FOOTNOTES

a/ Windmill pumping.

d/ Measurements prior to 1939 made by V. W. Rupp, S. S. Nye, R. E. Booker or Hedke.

Analyses of water from wells and springs in Pecos River Basin in Texas 1939 and 1940

Well numbers correspond to those used in tables of well records

(Analyzed by chemists of the Quality of Water Division, Geological Survey) (In parts per million.)

Ward County

Well	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Kx10 <sup>5</sup> ) at 25°C	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Dissolved solids
W-1	A. T. Knapp	105	Dec. 28, 1939	785	612	213	1,037	198	2,043	1,680	-	5,680
W-4	W. R. Gaddle	97	Oct. 25, 1939	91.2	115	42	17	207	227	64	-	569
W-5	L. D. Boxley	87	do.	151	202	49	46	214	364	178	-	946
W-8	Monroe Est.	63	do.	449	417	98	498	202	1,144	830	-	3,090
W-11	Bankers Int. Life Ins.Co.	38	Dec. 3, 1939	566	268	67	1,068	223	1,528	1,058	-	4,100
W-17	Monroe Est.	74	Apr. 23, 1940	501	411	102	627	183	1,206	995	-	3,430
W-19	do.	235	Oct. 26, 1939	348	454	155	211	74	1,691	290	-	2,840
W-20	J.A. Huntsman	168	do.	139	108	51	116	168	475	71	-	905
W-22	The University of Texas	151	Aug. 21, 1940	49.7	56	23	12	252	34	8.0	8.2	282
W-23	do.	160	Aug. 22, 1940	68.9	64	23	42	248	84	30	16	404
W-24	do.	168	do.	67.9	81	25	16	207	93	47	7.8	452
W-25	do.	98	do.	67.3	75	26	20	207	92	46	10	448
W-26	L.W. Anderson	188	Aug. 21, 1940	241	321	87	150	118	1,165	116	15	2,030
W-28	The University of Texas	210	Aug. 15, 1940	309	247	95	339	40	1,156	360	0.0	2,310
W-30	do.	130	do.	273	286	54	213	150	407	600	7.0	1,864
W-31	do.	-	Aug. 22, 1940	153	235	47	42	150	578	99	7.7	1,216
W-32	do.	176	do.	287	148	50	400	144	611	488	4.2	1,880
W-33	do.	96	do.	542	328	126	730	220	906	1,275	4.0	3,690
W-39	Geo. Sealy Est.	144	do.	354	244	114	343	150	528	815	2.8	2,258
W-41	do.	130	Aug. 23, 1940	98.2	60	22	109	215	91	146	1.5	676
W-45	G. W. O'Brien	149	Feb. 23, 1940	59.8	70	16	32	200	86	40	-	344
W-49	O. N. Rogers	150	do.	480	332	128	571	188	836	1,115	-	3,080
W-54	E. L. Lanehart	172	May 3, 1940	79.1	78	17	66	186	162	60	2.5	558
W-57	G. W. O'Brien	157	do.	102	90	31	79	189	226	94	2.5	716
W-66	John Sealy Est.	57	May 16, 1940	142	160	23	124	212	423	106	0.25	942
W-86	T.& P. R.R.	72	do.	30.1	36	9.6	14	132	19	8.0	25	204
W-87	T.B. Yarbrough	81	Mar. 22, 1940	175	163	51	166	160	643	126	-	1,229
W-97	Gulf Production Corp.	175	May 17, 1940	104	78	23	71	124	197	96	2.0	600
W-98	The Texas Co.	160	May 29, 1940	82.6	64	21	76	201	153	60	2.0	528

Analyses of water from wells and springs in Pecos River Basin, Texas-Continued  
Ward County-Continued

Well No.	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Kx10 <sup>5</sup> ) at 25°C	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Dissolved solids
W-99	The University of Texas	86	May 29, 1940	84.3	112	33	12	332	38	32	105	594
W-100	Cabot Carbon Co.	260	May 3, 1940	87.6	72	22	83	203	168	76	2.2	532
W-107	Texas Highway Dept.	163 <sup>1</sup> / <sub>2</sub>	do.	221	100	46	354	398	185	488	1.2	1,406
W-113	Jim Thornton	108	May 29, 1940	207	201	61	190	212	778	118	18	1,600
W-115	do.	127	do.	117	55	26	265	251	170	308	4.0	704
W-116	do.	106	Sept. 28, 1939	518	330	154	584	150	773	1,275	-	3,190
W-123	A. L. Herring	131	Nov. 14, 1939	1,102	360	217	1,880	179	1,238	3,150	-	6,930
W-124	do.	95	Nov. 20, 1939	299	262	77	347	256	1,076	280	-	2,170
W-126	J. Henson	82	Nov. 28, 1939	582	512	135	739	200	1,840	865	-	4,290
W-132	T. & P. R.R.	160	Nov. 20, 1939	493	382	157	493	126	976	1,100	-	3,170
W-134	The University of Texas	118	Aug. 15, 1940	569	400	155	677	152	1,198	1,185	81	4,010
W-136	do.	135	July 12, 1940	650	402	114	858	247	690	1,710	6.6	4,150
W-140	Pat Wilson	180	Sept. 25, 1940	384	365	126	431	49	1,781	335	0.25	3,350
W-140	do.	1,064	Oct. 10, 1940	942	672	210	1,432	82	2,860	1,850	0.50	7,310
W-141	T. & P. R.R.	82	July 12, 1940	57.0	105	12	1.4	271	60	6.0	24	368
W-144	do.	200	Feb. 16, 1940	86.7	74	30	56	240	108	74	20	482
W-148	T.N. Carr, et al.	5,208	Oct. 5, 1940	259	90	18	421	183	171	627	0.75	1,466
W-149	E. Vickers	300	Oct. 8, 1940	516	512	158	671	641	2,200	405	0.50	4,400
W-158	J. Key	117	Dec. 17, 1939	294	356	92	166	132	810	480	-	1,970
W-169	W. A. Sewell	10	July 11, 1940	1,454	832	337	2,278	357	2,830	3,670	-	10,130
W-171	L. C. Patrick	37	Sept. 19, 1939	829	740	235	964	229	2,196	1,730	-	5,980
W-172	W. H. Butler	12	do.	1,397	742	418	2,148	158	3,320	3,300	-	10,010
W-173	do.	78	do.	2,095	868	660	3,530	182	4,040	5,820	-	15,010
W-174	Cedar Vale Irr. Dist.	115	May 17, 1940	793	476	135	1,238	191	1,802	1,700	4.5	5,690
W-191	A. H. Gillespie	80	Apr. 15, 1940	752	636	188	994	176	2,156	1,510	5.0	5,580
W-192	Ward County Water Imp. Dist. No. 1	43	Sept. 7, 1940	1,455	773	409	2,274	257	3,040	3,670	3.6	10,820
W-193	Moule & Barker	48	Aug. 31, 1939	736	548	204	877	108	1,569	1,695	-	4,950
W-198	Henry Russell	80	Apr. 4, 1940	924	676	257	1,279	237	2,510	1,920	12	6,770
W-209	Young Bell	85	Mar. 29, 1940	770	660	184	1,024	162	2,229	1,540	5.0	5,720

## Analyses of water from wells and springs in Pecos River Basin, Texas-Continued

## Ward County-Continued

Well No.	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Kx10 <sup>5</sup> ) at 25°C	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Dissolved solids
W-217	Charles Nichols	13	July 11, 1940	1,165	941	320	1,531	301	3,080	2,510	-	8,530
W-232	Helen P. Belo	150	Nov. 28, 1939	74.4	56	30	56	317	79	30	-	409
W-240	J. L. Costley	-	Aug. 25, 1939	498	603	277	342	101	2,700	350	-	4,320
W-242	C. M. Jackson	84	Nov. 28, 1939	189	78	31	273	265	333	250	-	1,097
W-246	E. W. Thomas	127	Oct. 28, 1939	223	100	41	324	298	337	374	-	1,325
W-250	Murrey & Frame	176	Apr. 2, 1940	1,021	284	141	1,898	271	1,289	2,730	-	6,480
W-252	Monroe Est.	62	do.	246	102	33	358	228	281	487	2.0	1,377
W-260	D. Olcott	123	Mar. 29, 1940	165	88	28	148	234	237	270	3.0	891
W-264	W.W.McDonald	85	Apr. 29, 1940	233	91	37	352	237	303	450	1.0	1,396
W-267	do.	31	do.	231	96	39	349	246	323	440	1.0	1,420
W-269	W. M. Malone	200	May 29, 1940	358	44	23	703	241	470	740	2.5	2,124
W-270	B. L. Agnew, et al.	170	Apr. 29, 1940	434	39	32	865	179	511	1,015	0.25	2,570
W-272	O. E. Potts	100	May 1, 1940	218	125	40	288	249	358	372	0.75	1,386
W-275	Henry James	69	do.	198	89	33	288	210	319	340	0.25	1,196
W-276	W. A. Black	94	do.	112	102	29	96	229	226	112	1.5	724
W-284	E. Beatty	94	do.	157	95	31	204	199	361	190	1.2	1,002
W-289	W. & J. Wristen	89	Mar. 20, 1940	385	437	130	360	140	1,742	340	-	3,080
W-291	do.	75	do.	788	468	405	1,092	223	3,760	788	-	6,620
W-294	S. S. Owens	136	Apr. 22, 1940	130	58	18	187	273	180	152	-	732
W-295	do.	146	do.	563	221	88	889	212	507	1,520	-	3,330
W-301	Red Bluff Water Power Control Dist.	58	June 27, 1940	1,252	749	291	1,914	248	2,610	3,050	8.0	8,750
W-306	-- Stallings	13	Mar. 5, 1940	919	720	234	1,265	187	2,436	2,000	-	6,750
W-311	A. Carpenter	15	Mar. 18, 1940	978	802	237	1,731	176	3,300	2,240	-	8,400
W-312	M. T. Eudaly	1,695	May 15, 1940	7,980	1,358	996	19,950	64	5,850	31,700	-	59,900

## Analyses of water from wells and springs in Pecos River Basin, Texas-Continued

## Loving County

Well No.	Owner	Depth of well (ft.)	Date of collection	Specific conductance ( $K \times 10^5$ ) at 25°C	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate ( $HCO_3$ )	Sulfate ( $SO_4$ )	Chloride (Cl)	Nitrate ( $NO_3$ )	Dis-solved solids
L-5	W. D. Johnson	2,414	June 14, 1940	14,280	7,000	1,524	35,700	46	1,547	70,100	-	115,900
L-10	do.	160	Sept. 23, 1940	285	617	42	91	50	1,602	131	21	2,760
L-18	do.	145	July 31, 1940	452	511	197	328	74	1,800	610	4.6	3,740
L-25	S. M. Kyle	151	Sept. 12, 1940	260	296	22	1,086	127	1,278	177	6.8	2,500
L-27	do.	148	July 31, 1940	92.8	112	27	38	174	182	100	-	546
L-28	T. P. Lands Trust	123	Sept. 20, 1940	239	626	35	24	163	1,526	9.0	30	2,540
L-29	S. M. Kyle	160	do.	245	236	66	207	140	630	379	7.6	1,772
L-37	M. K. Kyle	188	do.	194	220	58	128	163	565	237	11	1,560
L-42	S. M. Kyle	276	do.	367	412	192	297	101	2,066	158	9.0	3,570
L-54	Christy & Gill	300	Sept. 12, 1939	197	120	70	239	247	754	84	-	1,391
L-56	E. E. Yantis	300	Aug. 23, 1940	85.1	76	38	49	271	166	39	2.8	588
L-57	J. E. Heley	300	Aug. 2, 1940	96.9	66	43	87	294	217	45	0.75	566
L-59	T. V. Brookfield	200	Sept. 12, 1939	125	117	57	47	181	287	129	-	728
L-64	W. D. Johnson	-	Sept. 14, 1939	351	531	157	195	94	2,108	88	-	3,130
L-69	do.	185	July 23, 1940	61.8	108	7.6	3.9	266	41	8.0	45	391
L-72	do.	117	Jan. 17, 1940	148	200	64	53	304	523	50	-	1,051
L-75	do.	214	Sept. 12, 1940	242	318	111	114	119	1,172	94	60	2,148
L-78	do.	173	do.	192	96	50	247	182	479	175	6.2	1,382
L-79	S. M. Kyle	-	do.	355	331	118	296	148	1,090	493	3.5	2,620
L-81	John Scharbauer	256	July 24, 1940	344	364	126	233	149	919	605	1.8	2,468
L-82	do.	85	do.	492	646	163	324	233	1,644	750	50	4,040
L-87	T. P. Lands Trust	135	do.	380	476	142	316	71	2,030	203	1.0	3,520
L-93	Fred Landreth	17	July 23, 1940	572	626	173	594	153	2,241	782	5.4	4,820
L-94	Sinc. Prairie Oil Co.	194	Jan. 17, 1940	348	494	166	220	46	2,116	108	-	3,130
L-98	do.	143	July 23, 1940	159	94	92	128	164	593	99	1.0	1,482
L-99	F. P. Hubbard	84	June 28, 1940	237	584	34	18	82	1,467	30	-	2,388
L-111	L. Weeks	60	Sept. 11, 1940	1,753	-	-	-	-	-	5,210	-	12,940
L-113	E. L. Stratton	75	Feb. 27, 1940	877	702	229	1,114	232	1,819	2,150	-	6,130
L-115	Floyd Goodrich	60	do.	1,043	848	294	1,297	209	2,079	2,700	1.5	7,320
L-119	Elijah Hall	155	Aug. 14, 1940	100	111	34	51	172	315	34	14	640
L-122	W. D. Johnson	145	do.	233	274	76	176	133	965	103	2.1	1,894
L-123	Renton Land Co.	71	do.	17.1	87	11	6.4	262	43	5.0	10	276
L-131	L. W. Anderson	-	Sept. 11, 1939	309	495	145	135	58	1,860	100	-	2,760
L-134	The University of Texas	145	Sept. 9, 1940	322	566	107	131	184	1,691	126	60	3,020
L-135	do.	161	Aug. 21, 1940	104	67	41	105	334	199	58	0.50	544
L-136	do.	-	do.	96.2	78	21	115	368	148	53	0.25	560



## Analyses of water from wells and springs in Pecos River Basin, Texas-Continued

## Reeves County..

Well No.	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Kx10 <sup>5</sup> ) at 25°C	Cal- cium (Ca)	Magne- sium (Mg)	Sodium and Potassium (Na / K) (calc.)	Bicar- bonate (HCO <sub>3</sub> )	Sul- phate (SO <sub>4</sub> )	Chlo- ride (Cl)	Ni- trate (NO <sub>3</sub> )	Dis- sol- ved solids
R-2A	H. T. Collier	147	June 18, 1940	1,056	750	308	1,441	153	2,412	2,570	12	8,170
R-5	do.	89	do.	245	560	63	22	169	1,472	16	14	2,466
R-9	Hall Olds	84	June 14, 1940	403	524	245	253	154	2,520	76	8.3	4,200
R-13	John Camp	173	do.	451	556	144	454	89	2,375	298	0.50	4,260
R-15	J. Y. Crum	105	June 24, 1940	316	445	95	248	180	1,579	172	7.2	2,850
R-18	W. B. Burchard	229	Jan. 2, 1940	277	248	85	313	165	1,315	103	-	2,147
R-26	L. W. Anderson	-	June 24, 1940	416	624	71	299	224	1,288	690	3.0	3,410
R-27	do.	75	June 23, 1940	300	571	54	125	90	1,598	128	1.8	2,770
R-29	F. C. Hyde	74	do.	896	270	243	1,621	538	2,143	1,790	0.75	6,550
R-31	Nasario Lara	198	Dec. 21, 1939	1,476	1,066	254	2,141	84	2,111	4,320	-	9,930
R-32	J. E. Couch	160	Dec. 11, 1939	1,145	1,030	186	1,394	118	1,796	3,120	-	7,580
R-34	L. W. Anderson	186	May 16, 1940	557	401	90	830	131	1,877	790	0.5	4,220
R-38	W. B. Burchard	300	Mar. 13, 1940	242	430	62	103	205	1,202	94	-	1,994
R-39	W. A. Burchard	113	Mar. 14, 1940	243	374	49	125	248	930	167	-	1,769
R-42A	L. Ford	68	Oct. 5, 1939	326	558	69	220	157	1,798	109	-	2,830
R-43	W. A. Burchard	268	Mar. 14, 1940	372	442	123	374	175	1,991	146	-	3,160
R-45	Wanda Hanks	300 <sup>1/2</sup>	Aug. 8, 1940	294	297	64	342	143	1,333	172	0.75	2,376
R-46	do.	227	Feb. 12, 1940	148	238	24	79	334	534	25	-	1,067
R-46A	L. W. Anderson	225	Mar. 13, 1940	227	231	56	50	296	352	218	-	1,055
R-47	S. M. Prewit	2,900	Sept. 16, 1940	424	497	129	399	136	1,829	440	3.3	3,610
R-48	L. W. Anderson	101	Oct. 6, 1940	395	456	105	404	158	1,571	482	3.0	3,300
R-49	T. S. Ingle	77	Feb. 12, 1940	426	487	140	371	142	1,551	615	-	3,240
R-52	J. Y. Crum	24	Jan. 4, 1940	673	510	176	865	94	1,821	1,350	-	4,770
R-53	Mrs. M. S. Grissom	55	do.	1,238	752	369	1,844	256	2,750	3,070	-	8,910
R-54	T. S. Ingle	51	May 15, 1940	626	710	167	594	187	1,758	1,240	23	5,010
R-58	John Lopoo	96	Dec. 19, 1939	396	423	118	355	170	1,247	620	-	2,850
R-64	G. Breen	74	Apr. 11, 1940	408	364	101	450	214	995	770	5.0	2,790
R-65	W. H. Sherwood	76	Jan. 6, 1940	457	543	113	429	198	1,499	730	-	3,410
R-66	S. M. Prewit	-	Nov. 17, 1939	418	446	128	403	135	1,639	495	-	3,180
R-68	do.	29	Sept. 16, 1940	358	622	106	168	161	1,783	229	53	3,330
R-69	do.	-	Oct. 30, 1939	390	623	108	230	196	1,763	356	-	3,180
R-7C	Elmer Wadley	207	Sept. 13, 1940	440	517	150	381	139	1,871	475	3.5	3,700
R-7E	A. B. Burchard	178	Mar. 14, 1940	372	480	125	303	99	1,814	284	-	3,060
R-8L	Artie Baker	500	do.	451	585	144	431	67	2,361	338	-	3,890

Analyses of water from wells and springs in Pecos River Basin, Texas-Continued  
Reeves County-Continued

Well No.	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Kx10 <sup>5</sup> ) at 25°C	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Dissolved solids
R-83	A. B. Burchard	75	May 16, 1940	375	588	138	220	125	1,982	242	7.3	3,550
R-85	R. S. Burchard	51	Aug. 8, 1940	603	782	193	521	59	2,520	855	1.8	5,280
R-86	E. B. Daniel	60	Oct. 3, 1939	633	576	239	762	138	2,940	640	-	5,230
R-87	do.	190	Aug. 8, 1940	539	620	186	465	130	2,024	775	21	4,530
R-88	R. S. Burchard	185	May 16, 1940	392	658	96	211	104	1,751	385	55	3,490
R-89	E. B. Daniel	156	Aug. 8, 1940	477	598	134	416	121	1,848	650	11	3,980
R-90	Elmer Wadley	139	Sept. 13, 1940	440	530	134	371	126	1,700	565	13	3,600
R-92	do.	100	Dec. 21, 1939	315	581	78	120	123	1,617	176	-	2,630
R-99	M. L. Todd	180	Apr. 16, 1940	382	309	97	416	224	826	714	31	2,500
R-100	J. W. Brooks	185	do.	357	276	90	397	234	753	670	3.0	2,306
R-101	Harold Wendt	197	do.	359	289	89	395	235	773	670	5.6	2,340
R-102	Barney Hubbs	-	Mar. 28, 1940	354	278	89	394	239	761	656	3.0	2,300
R-106	Reba Morgan	165	Dec. 21, 1939	352	297	93	355	172	791	660	-	2,282
R-109	Ronald Roberson	135	Nov. 17, 1939	360	284	87	395	240	760	665	-	2,311
R-114	A. Schmid	308	Oct. 9, 1939	579	320	97	932	142	1,705	945	-	4,070
R-121	Jake Portervant	143	Nov. 2, 1939	1,104	782	315	1,543	206	2,630	2,620	-	7,990
R-122	R. V. Nabors	160	Dec. 5, 1939	361	152	46	642	238	780	678	-	2,417
R-185	Wm. Rossman	246	Nov. 22, 1939	692	222	70	1,318	170	1,368	1,520	-	4,580
R-200	J. W. Brooks	196	Feb. 8, 1940	360	300	90	390	241	784	675	-	2,360
R-221	W. F. Howard	245	Nov. 15, 1939	336	236	93	364	102	736	648	-	2,128
R-222	Swede Johnson	250	Nov. 24, 1939	361	294	93	389	242	779	675	-	2,351
R-266	Jim Deakins	-	Oct. 10, 1939	815	116	86	1,691	163	1,297	2,010	-	5,230
R-273	S. M. Prewit	-	do.	374	298	92	380	136	784	724	-	2,346
R-275	Mrs. V. B. Mays	225	do.	449	279	84	605	132	852	966	-	2,850
R-278	Port Daggett	114	June 27, 1940	388	432	117	289	109	1,168	625	1.2	2,980
R-279	R. D. Copeland	-	Aug. 19, 1940	357	295	94	366	183	769	686	1.0	2,570
R-284	Elmer Wadley	64	Sept. 12, 1940	366	166	55	642	223	863	675	2.5	2,550
R-285	M. L. Todd	360	Apr. 17, 1940	367	302	91	406	239	801	695	1.5	2,416
R-297	W. R. Britt	-	Sept. 20, 1940	368	305	89	233	182	1,203	164	0.25	2,180
R-299	R. N. Burchard	60	Mar. 13, 1940	413	514	124	343	172	1,672	465	-	3,200
R-303	C. M. Caldwell	91	Sept. 20, 1940	315	176	78	458	215	1,024	360	7.6	2,292
R-306	do.	350	do.	335	-	-	-	-	-	441	-	2,110
R-307	do.	27	Sept. 21, 1940	449	552	135	473	315	1,776	605	0.25	3,690
R-308	T. A. Cheeves	2,960	May 28, 1940	344	579	132	142	138	1,796	223	0.0	3,220
R-309	C. M. Caldwell	Spring	do.	350	454	105	248	167	1,385	372	1.0	2,820
R-310	R. J. Burr	Spring	do.	324	372	103	250	122	1,224	368	2.0	2,540

## Analyses of water from wells and springs in Pecos River Basin, Texas-Continued

## Reeves County-Continued

Well No.	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Kx10 <sup>5</sup> ) at 25°C	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calc. )	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Dissolved solids
R-311	M. B. James	Spring	May 28, 1940	336	375	104	285	148	1,253	394	2.5	2,630
R-312	E. Bernsteine	Spring	do.	309	506	163	120	170	1,901	54	0.0	3,090
R-312A	Tri-State Credit Men's Association	Spring	do.	367	563	186	182	156	2,166	130	0.0	3,570
R-312B	E. Bernsteine	Spring	do.	393	560	182	207	112	2,093	231	0.0	3,670
R-312C	A.B.Burchard	Spring	do.	411	577	187	243	112	2,230	265	0.0	3,850
R-313	C.M.Caldwell	40	do.	311	449	103	192	150	1,429	245	6.5	2,710
R-314	A.B.Tinnin	31	Sept. 21, 1940	199	265	119	49	234	957	34	25	1,730
R-317	Geo. Daniel	-	do.	322	82	55	582	259	1,013	305	0.25	2,158
R-321	C.M.Caldwell	106	Sept. 20, 1940	105	55	11	160	226	240	51	29	678
R-322	W. D. Johnson	125	Apr. 17, 1940	289	238	43	382	201	1,105	197	10	2,076
R-323	do.	66	do.	210	154	33	287	186	583	244	50	1,444
R-325	R. L. Parker	68	Apr. 16, 1940	179	118	31	226	185	548	136	0.5	1,152
R-326	W. R. Britt	55	do.	349	357	93	394	190	1,528	270	4.5	2,740
R-329	C. C. Cargill	80	Nov. 16, 1939	767	746	204	895	268	2,295	1,445	-	5,720
R-333	J. Q. Adams	45	Nov. 15, 1939	437	395	115	538	203	1,810	410	-	3,370
R-339	A. H. Bruce	51	Nov. 16, 1939	546	512	92	777	211	2,418	465	-	4,360
R-347	T. & P. R.R.	832	Nov. 14, 1939	261	344	87	176	194	1,213	125	-	2,042
R-355	S. M. Prewit	120	Sept. 14, 1940	371	256	88	457	269	733	715	3.8	2,488
R-357	do.	148	Apr. 16, 1940	314	255	80	344	236	727	538	6.2	2,068
R-362	Elmer Wadley	84	Feb. 26, 1940	445	348	112	496	251	780	985	-	2,850
R-363	Billie Prewit	42	July 31, 1940	492	230	113	719	289	937	985	1.0	3,360
R-365	do.	65	do.	647	302	179	938	240	1,268	1,430	0.50	4,640
R-368	S. M. Prewit & Billie Prewit	300	Jan. 13, 1940	484	351	118	601	258	970	1,025	-	3,190
R-370	R.R.Youngblood	120	Feb. 10, 1940	459	269	118	606	337	959	850	-	2,970
R-372	J. H. Sudbrock	165	do.	369	237	96	460	269	748	700	-	2,375
R-379	John West	70	do.	1,196	685	351	1,930	229	3,330	2,620	-	9,030
R-381	S. M. Prewit	125	Jan. 13, 1940	524	282	139	765	321	1,127	1,065	-	3,540
R-382	Elmer Wadley	33	Mar. 11, 1940	678	328	175	1,028	324	1,388	1,460	3.5	4,540
R-387	Tatum Eisenwine	-	Oct. 1, 1940	318	151	67	453	72	681	616	0.25	2,088
R-390	J. W. Watson	-	do.	353	290	88	376	216	750	670	0.75	2,496
R-393	Day Monroe and Balmorhea Lsk. Co.	Spring	Apr. 11, 1940	404	312	97	467	247	854	780	2.0	2,640

Analyses of water from wells and springs in Pecos River Basin, Texas-Continued  
Reeves County-Continued

Well No.	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Kx10 <sup>5</sup> ) at 25°C	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Dissolved solids
R-395	Onnie Moorhead	80	Oct. 9, 1939	550	438	121	665	282	1,056	1,210	-	3,650
R-397	Carl Johnson	60	Oct. 10, 1939	431	746	65	229	163	1,445	702	-	3,270
R-401	R. D. Irion	140	Aug. 10, 1940	347	410	89	289	202	1,161	420	63	2,650
R-409	S. M. Prewit	125	Oct. 22, 1939	485	260	123	622	224	986	920	-	3,020
R-410	do.	1,200	May 20, 1940	312	206	62	354	95	771	482	3.0	2,118
R-411	Billie Prewit	1,360	June 7, 1940	387	595	227	170	77	2,482	99	0.75	3,970
R-414	Port Daggett	180	Mar. 8, 1940	219	228	67	178	204	610	304	1.5	1,490
R-418	R. D. Irion	125	Mar. 5, 1940	146	201	31	88	218	492	92	-	1,013
R-419	Pecos City	-	Dec. 5, 1939	98.4	96	25	82	199	204	90	8.6	648
R-420	do.	-	do.	84.2	78	22	72	211	149	69	7.5	550
R-421	do.	-	do.	87.9	86	22	73	210	168	72	7.5	581
R-422	R. D. Irion	111	Aug. 10, 1940	116	138	29	67	208	314	75	7.4	776
R-423	H.F. Anthony	-	June 13, 1940	257	292	52	180	120	702	338	34	1,720
R-427	do.	86	Mar. 5, 1940	114	106	30	96	212	306	74	-	718
R-429	Onnie Moorhead	-	July 23, 1940	115	113	33	81	190	291	93	4.8	768
R-430	S. E. Ligon	101	do.	97.1	123	30	35	234	170	94	5.2	666
R-431	do.	43	do.	149	202	45	66	142	566	88	4.6	1,188
R-432	do.	180	do.	85.1	97	26	48	264	142	61	4.0	554
R-433	Eddins Est.	44	July 24, 1940	162	182	48	102	188	486	145	9.8	1,156
R-435	J. C. Trees	-	do.	239	287	79	151	258	737	266	19	1,820
R-436	do.	69	July 23, 1940	308	359	98	236	204	1,070	358	33	2,492
R-437	do.	1,400	July 24, 1940	441	627	259	208	114	2,510	266	0.25	4,390
R-438	H.F. Anthony	80	do.	212	286	72	109	141	858	166	4.5	1,722
R-439	Anthony & Tubbs	86	Oct. 5, 1940	83.8	88	21	125	382	170	59	4.5	574
R-440	H.F. Anthony	120	July 24, 1940	83.5	93	24	42	171	189	54	12	552
R-441	T. McIlvain	-	Mar. 5, 1940	76.8	78	21	57	226	121	64	4.5	459
R-442	Van D. Havis	210	do.	103	95	28	92	206	258	74	14	664
R-445	Port Daggett	60	Jan. 16, 1940	365	308	114	386	150	543	985	-	2,411
R-446	do.	-	Oct. 7, 1939	341	590	236	31	110	2,281	32	-	3,220
R-454	Eddins Estate	145	Jan. 16, 1940	164	210	50	90	195	609	94	-	1,151
R-457	H. H. Hokey	420	July 15, 1940	528	308	156	743	74	2,004	620	5.5	4,110
R-458	North Texas Farms	60	Aug. 21, 1940	217	242	67	135	293	440	336	2.5	1,376
R-459	Port Daggett	-	do.	145	187	53	66	146	573	78	2.2	1,200
R-461	H. T. Collier	38	Feb. 19, 1940	522	417	115	664	269	1,182	1,055	23	3,590
R-463	A. R. Eppenauer	-	do.	395	188	97	574	279	775	765	1.8	2,540

## Analyses of water from wells and springs in Pecos River Basin, Texas-Continued

## Reeves County-Continued

Well No.	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Kx10 <sup>5</sup> ) at 25°C	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Dissolved solids
R-468	Carrie Eisenwine	78	July 31, 1940	430	231	103	582	257	821	850	0.50	2,970
R-470	do.	100	Oct. 2, 1940	370	214	89	485	264	727	696	0.50	2,530
R-472	S. M. Prewit	-	July 31, 1940	379	218	90	492	283	727	705	0.50	2,740
R-473	do.	122	do.	438	227	111	603	215	894	870	0.25	3,100
R-474	do.	181	do.	305	240	80	316	171	700	526	4.5	2,180
R-478	W. D. Johnson	-	May 29, 1940	208	101	25	342	203	669	166	0.5	1,440
R-480	do.	184	do.	127	66	15	189	236	299	92	4.0	800
R-484	Ligon Bros.	700	Oct. 3, 1939	327	190	83	413	284	626	588	-	2,043
R-489	W. D. Johnson	43	July 31, 1940	438	406	118	465	323	1,196	705	7.4	3,270
R-490	J. L. Moore	158	July 30, 1940	392	221	95	536	276	760	735	4.5	2,720
R-494	W. T. Church	-	Oct. 2, 1940	312	-	-	-	-	-	342	-	2,580
R-495	J. Youngblood	10	do.	315	396	93	235	182	1,210	336	0.0	2,570
R-497	Davis & Weinacht	67	Apr. 18, 1940	323	190	72	420	82	711	620	1.0	2,055
R-499	H. T. Collier	69	Aug. 20, 1940	210	201	37	202	287	358	344	0.25	1,328
R-501	do.	39	do.	211	196	44	179	180	377	362	1.5	1,326
R-502	do.	107	do.	161	144	31	141	194	268	252	1.2	926
R-503	Barilla Farms	200	Aug. 21, 1940	153	198	35	62	202	221	274	1.2	1,060
R-504	H. T. Collier	110	Aug. 20, 1940	146	182	25	96	286	233	204	0.25	858
R-505	Barilla Farms	1,525	Jan. 17, 1940	333	599	218	46	143	2,230	37	-	3,200
R-508	do.	1,405	Aug. 21, 1940	328	605	216	5.3	130	2,178	24	2.5	3,540
R-511	do.	110	do.	123	125	31	83	180	209	180	1.5	720
R-512	Port Daggett	87	Jan. 17, 1940	144	160	41	79	178	276	218	-	863
R-513	H. T. Collier	106	Aug. 21, 1940	97.2	84	32	71	239	160	87	13	556
R-514	Port Daggett	153	Jan. 17, 1940	118	126	38	60	223	183	162	-	681
R-515	H. T. Collier	140	Aug. 21, 1940	95.8	108	29	43	191	192	84	10	652
R-517	Port Daggett	86	Jan. 17, 1940	89.8	79	31	72	281	127	84	-	534
R-520	do.	98	Mar. 1, 1940	100	96	26	73	204	160	115	12	584
R-522	W. W. Courtney	119	Sept. 5, 1940	778	89	20	43	242	96	70	1.5	376
R-523	J. R. Wilson	130	Sept. 4, 1940	82.4	84	24	49	222	137	59	8.8	520
R-524	E. G. Bowles	117	do.	72.9	58	15	72	210	79	54	40	464
R-525	do.	5,615	do.	357	611	224	44	143	2,210	87	0.75	3,570
R-527	C.E. Criswell	160	Sept. 5, 1940	70.3	84	20	26	194	114	16	16	436
R-528	H. T. Collier	130	Aug. 21, 1940	108	121	23	73	279	154	115	5.2	552
R-529	Balmorhea	140	Aug. 20, 1940	113	122	26	76	207	211	126	12	580
R-530	Livestock Co. Fopham Land & Cattle Co.	187	do.	787	94	22	38	245	117	54	11	396

## Analyses of water from wells and springs in Pecos River Basin, Texas--Continued

## Reeves County--Continued

Well No.	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Kx10 <sup>5</sup> ) at 25°C	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na / K) (calc. )	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Dissolved solids
R-531	Balmorhea Livestock Co.	181	Aug. 20, 1940	97.2	126	17	48	235	113	96	28	542
R-532	Rudolph Hoefs	200	do.	103	59	48	92	281	216	62	3.4	580
R-534	do.	310	Mar. 11, 1940	74.4	99	11	45	120	109	71	96	491
R-535	Davis & Weinacht	128	Apr. 18, 1940	214	188	40	206	247	374	346	1.5	1,229
R-527	do.	141	July 30, 1940	266	168	51	209	202	267	454	0.75	1,968
R-538	do.	119	do.	354	228	107	384	178	662	715	0.75	2,472
R-540	T. & P. R.R.	200	Mar. 11, 1940	429	266	118	555	311	825	880	-	2,800
R-543	Sol Mayer	142	Apr. 18, 1940	450	312	140	515	286	891	920	17	2,940
R-544	do.	184	do.	502	352	155	589	301	1,035	1,035	15	3,330
R-545	Saragosa School	160	Apr. 19, 1940	561	423	163	631	296	1,141	1,170	21	3,980
R-549	J. M. Fowler	107	Aug. 19, 1940	843	716	283	754	308	1,236	1,820	600	6,510
R-556	O. M. Hodges	40	Sept. 7, 1940	590	326	150	838	187	1,409	1,130	48	4,210
R-557	W. E. Gould	60	do.	63.6	102	18	5.2	317	29	12	40	424
R-560	do.	60	Sept. 11, 1940	150	60	12	241	219	302	153	17	868
R-565	Hal Sprague	54	Aug. 26, 1940	464	315	109	580	285	971	885	3.6	3,170
R-577	W. D. Johnson	300	Sept. 17, 1940	154	120	39	142	282	247	199	0.0	904
R-580	do.	271	Sept. 7, 1940	97.8	54	24	112	140	171	130	2.2	570

Analyses of water from wells and springs in the Pecos River Basin, Texas  
Pecos County

Well No.	Owner	Depth of well (ft.)	Date of collection	Specific conductance (Kx10 <sup>5</sup> ) at 25°C	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Nitrate (NO <sub>3</sub> )	Dissolved solids
P-1	E.T. Brandenburg	47	June 7, 1940	393	486	100	325	106	1,471	490	26	3,220
P-9	Allen Tipton	40	do.	441	285	104	584	201	1,057	810	0.50	3,020
P-12	H. Tipton	Spring	Oct. 13, 1939	373	234	98	457	212	895	620	-	2,410
P-14	Jim Broyles	192	Mar. 7, 1940	107	116	21	88	209	275	77	-	681
P-15	J. C. Trees	80	do.	145	140	29	127	217	403	104	-	912
P-16	W. R. Reed	104	May 31, 1940	259	272	73	233	212	923	234	45	1,992
P-19	P. D. Colville	105	Mar. 23, 1940	106	95	27	65	246	177	74	-	561
P-40	V. W. Crockett	80	Aug. 25, 1940	1,355	794	381	2,073	160	2,940	3,440	15	10,170
P-43	H. J. Eaton	1,415	Sept. 28, 1940	4,080	835	359	9,450	26	5,100	13,320	-	29,300
P-46	E. C. Powell	18	Aug. 26, 1940	1,190	431	329	1,992	204	2,580	2,760	16	8,390
P-54	H.E. Bonebrake	Spring	June 12, 1940	671	402	197	989	220	1,896	1,280	5.0	5,040
P-58	John Odom	231	Mar. 8, 1940	70.7	92	12	46	239	151	16	-	438
P-61	W. W. Courtney	207	Sept. 5, 1940	198	68	67	284	396	566	105	1.8	1,332
P-68	C. E. Criswell	180	Sept. 6, 1940	60.0	56	18	42	152	94	58	1.2	346
P-69	C. M. Caldwell	-	do.	307	566	199	12	66	2,092	19	0.75	3,240
P-71	C. A. Dixon	200	do.	70.3	86	19	37	218	100	62	4.2	432
P-72	W. H. Moore	213	do.	76.5	92	21	33	235	101	61	3.8	460
P-82	San Pedro Land Co.	169	June 6, 1940	221	50	24	414	362	449	254	1.2	1,373
P-83	do.	1,364	do.	413	608	225	220	147	2,424	196	0.50	4,090
P-88	J. W. Garner	101	Mar. 18, 1940	308	212	85	354	300	776	421	-	1,998
P-91	do.	358	June 6, 1940	1,463	823	446	2,153	182	3,020	3,740	1.8	11,280
P-92	do.	100	do.	660	512	169	765	226	1,365	1,420	34	4,790
P-102	A. C. Hoover	150	do.	623	484	240	733	185	1,827	1,230	0.50	4,900
P-103	H. D. Ward	181	do.	351	188	91	428	190	754	590	0.75	2,210
P-108	--	Spring	June 28, 1940	225	140	55	200	122	391	356	1.0	1,378

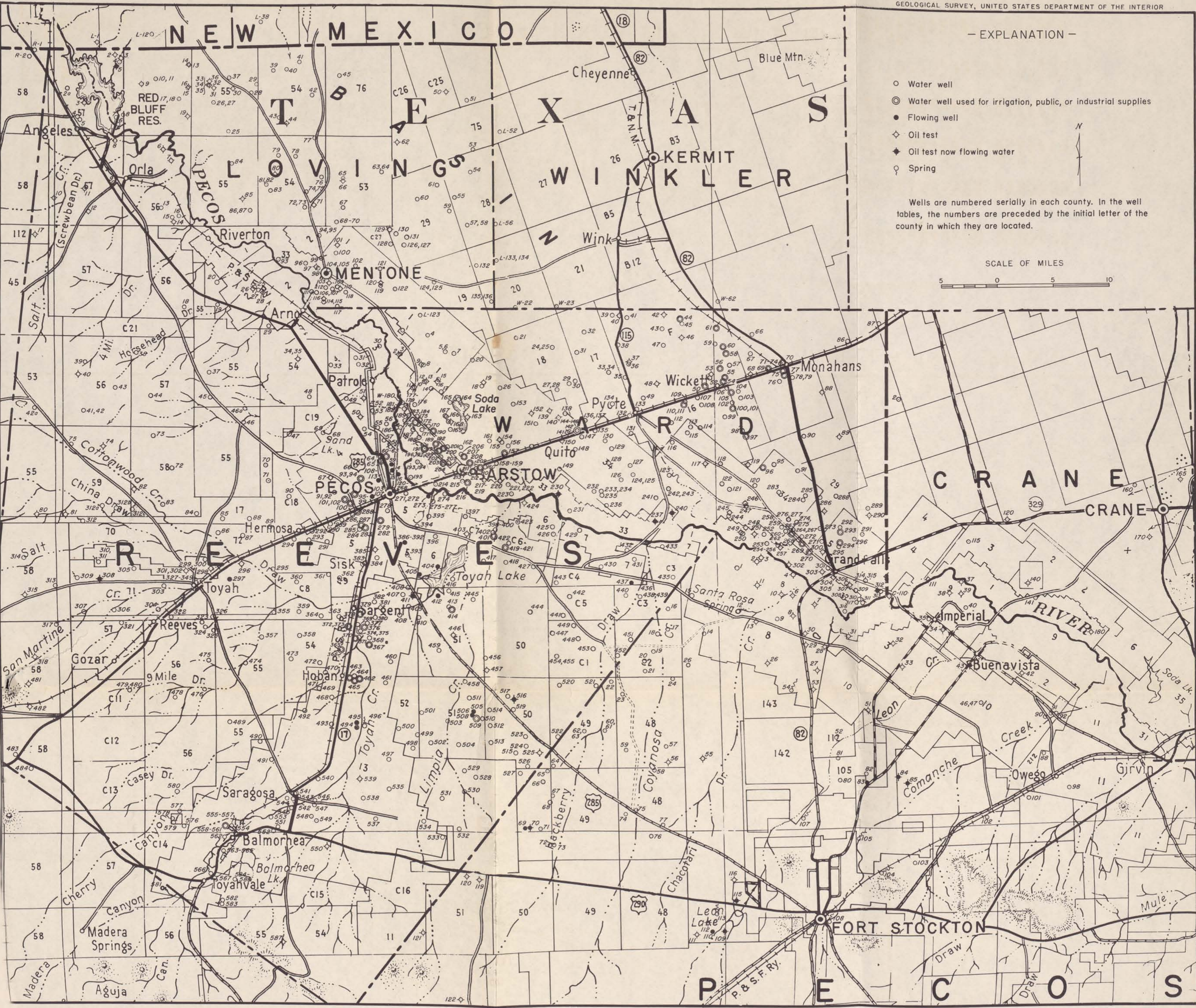
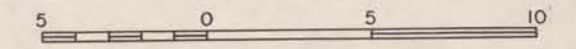
# NEW MEXICO TEXAS

- EXPLANATION -

- Water well
- ⊙ Water well used for irrigation, public, or industrial supplies
- Flowing well
- ◇ Oil test
- ◆ Oil test now flowing water
- ♀ Spring

Wells are numbered serially in each county. In the well tables, the numbers are preceded by the initial letter of the county in which they are located.

SCALE OF MILES



### PLATE I. MAP OF PECOS RIVER BASIN IN TEXAS SHOWING WELLS AND SPRINGS.

Map compiled by F.C. Scobey, United States Department of Agriculture, from various sources, with modifications based on field work by J.W. Lang and P.E. Dennis.

Well data by J.W. Lang and P.E. Dennis February, 1941