

TEXAS DEPARTMENT OF WATER RESOURCES

REPORT 259

GROUND-WATER DATA FOR THE SALT BASIN, EAGLE FLAT,
RED LIGHT DRAW, GREEN RIVER VALLEY, AND
PRESIDIO BOLSON IN WESTERNMOST TEXAS

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INTRODUCTION

From October 1971 through October 1974, the U.S. Geological Survey collected ground-water data in the basins in Texas west of the Pecos River drainage area and northwest of the Big Bend country. The basins included are, from east to west: The Presidio Bolson; the Salt Basin; Green River Valley, Eagle Flat, and Red Light Draw. These data, which were collected in cooperation with the Texas Department of Water Resources (formerly Texas Water Development Board), will provide information for a continuing assessment of water availability within the State.

The data-collection program consisted of an inventory of all major irrigation, municipal-supply, and industrial wells; selected stock and domestic wells; and selected springs. Water samples were collected from representative wells and springs for chemical analyses. These data, together with data from geophysical surveys and test drilling, were used to prepare a report on the availability of ground water in the basins of westernmost Texas (Gates and others, 1980). Data collected prior to this study are contained in the reports listed in the selected references.

The well-numbering system is shown on Figure 1, and the locations of the wells, test holes, and springs are shown on Figures 2-8.

The records of wells and springs are given in Table 1, and the water levels in selected observation wells in the Salt Basin are given in Table 2. The chemical analyses of water samples from selected wells, test holes, and springs are given in Table 3.

WELL-NUMBERING SYSTEM

The well-numbering system used in this report is the one adopted by the Texas Department of Water

Resources for use throughout the State (Figure 1). Under this system, each 1-degree quadrangle in the State is given a number consisting of two digits from 01 to 89. These are the first two digits in the well number.

Each 1-degree quadrangle is divided into 7½-minute quadrangles that are given two-digit numbers from 01 to 64. These are the third and fourth digits of the well number. Each 7½-minute quadrangle is divided into 2½-minute quadrangles that are given a single-digit number from 1 to 9. This is the fifth digit of the well number. Each well within a 2½-minute quadrangle is given a two-digit number in the order in which it is inventoried. These are the last two digits of the well number. In addition to the seven-digit well number, a two-letter prefix is used to identify the county. The prefixes are Culberson County, HL; Hudspeth County, PD; Jeff Davis County, PS; and Presidio County, UW.

DATA-COLLECTION METHODS

Records of Wells, Test Holes, and Springs

The records of wells and springs (Table 1) include data collected during this investigation (1971-74) and in previous investigations. Most of the listed wells and springs were visited during this investigation. During a visit to a well, its location was plotted on a 7½-minute topographic map, if available; otherwise, the location was plotted on 15-minute or 2-degree map. The elevation of the land surface at the well was estimated from the topographic map. The water level in the well, casing diameter, well depth, well yield, water temperature, and specific conductance of the water were measured if possible. Information on the type of lift and power, the horsepower of the power plant, and the use of water was recorded.

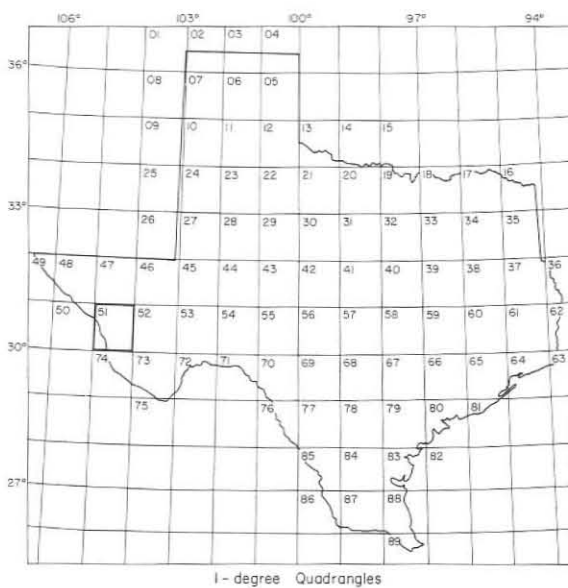
The well owner or user was contacted, if possible, to provide information on the depth of casing and

perforated interval, the driller and date of completion, and the yield, water level, drawdown, pump setting, water quality, material penetrated, and use of water. Borehole geophysical logs, if available, were obtained from the owner. Data from the interviews made during previous surveys were used if they were complete.

Drillers' logs, field notes, and geologic maps were used to determine the water-bearing unit and to estimate the depth to bedrock where possible. The Texas Department of Water Resources and the Geological Survey made borehole geophysical logs in selected wells.

Water Levels

Periodic measurements of water levels in selected wells in the Wild Horse, Lobo, and Beacon Hill irrigation areas of the Salt Basin are given in Table 2. Water levels in the observation wells were measured by the Geological Survey prior to 1969. Since 1969, they have been measured by the Texas Department of Water Resources as part of the Department's statewide program. Table 2 also shows all measurements made in these wells by the Geological Survey during this investigation.



Location of Well

- 1-degree quadrangle
- 7 1/2 - minute quadrangle
- 2 1/2 - minute quadrangle
- 01 Well number within 2 1/2 - minute quadrangle

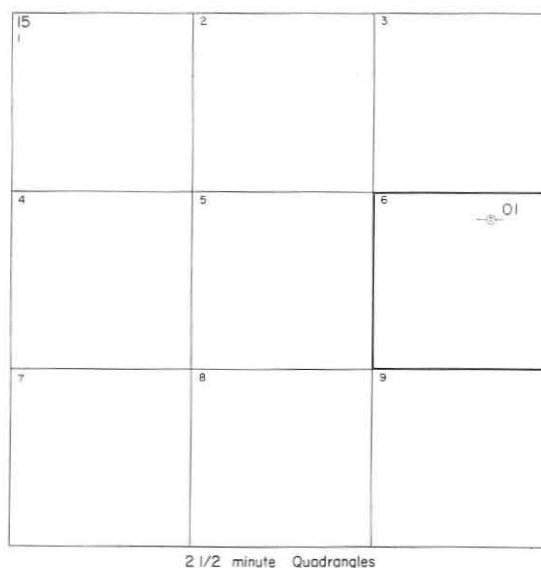
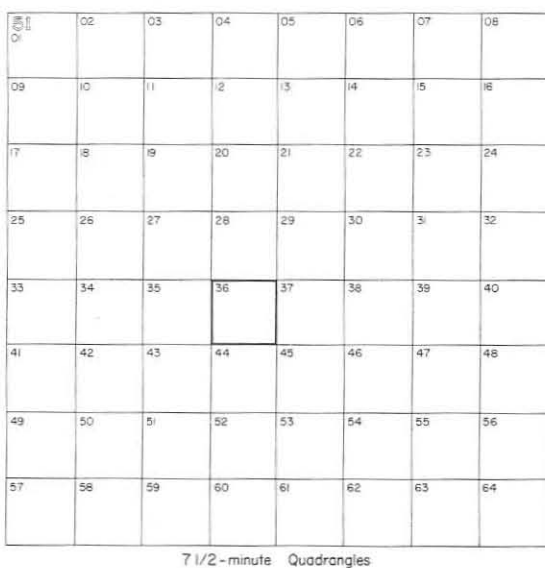


Figure 1.—Well-Numbering System

Quality of Water

Water samples were collected from selected wells and springs and analyzed by the Geological Survey. A standard analysis commonly was made if no previous analysis had been made and if the well was in one of the major irrigation areas or was used for public supply; otherwise, partial analyses were made. The tabulation

shows most of the analyses that have been made in the project area during this and previous surveys, including those made by the U.S. Geological Survey, the Texas Department of Health, and private laboratories. Field measurements of the specific conductance of water from many wells and springs are included in the remarks column of Table 1 if no chemical analysis has been made.

SELECTED REFERENCES

- Albritton, C. C., Jr., and Smith, J. F., Jr., 1965, Geology of the Sierra Blanca area, Hudspeth County, Texas: U.S. Geol. Survey Prof. Paper 479, 131 p.
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- Davis, M. E., and Gordon, J. D., 1970, Records of water levels and chemical analyses from selected wells in parts of the Trans-Pecos region, Texas, 1965-68: Texas Water Devel. Board Rept. 114, 49 p.
- Gates, J. S., White, D. E., Stanley, W. D., and Ackermann, H. D., 1980, Availability of fresh and slightly saline ground water in the basins of Westernmost Texas: Texas Dept. Water Resources Report 256, 174 p.
- Hood, J. W., and Scalapino, R. A., 1951, Summary of the development of ground water for irrigation in the Lobo Flats area, Culberson and Jeff Davis Counties, Texas: Texas Board of Water Engineers Bull. 5102, 29 p.
- Scalapino, R. A., 1950, Development of ground water for irrigation in the Dell City area, Hudspeth County, Texas: Texas Board of Water Engineers Bull. 5004, 41 p.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley and Presidio Holson

Diameter of casing : N, no casing.
 Water-bearing units : K, Cretaceous rock, undifferentiated; Ke, Cox Formation; P, Permian rocks, undifferentiated; Pcd, Delaware Mountain Group; Pbs, Bone Spring; Psvsp, Bone Spring, Victoria Peak, undifferentiated; Pz, Capitan Limestone (roof complex and associated limestone); Pz, Precambrian rocks, undifferentiated; Pgs, Cooc Soap Limestone; Pz, Paleozoic rocks, undifferentiated; Qal, Alluvial deposits, Quaternary age; Qta1, Alluvial basin fill of Quaternary and Tertiary age, undifferentiated; Qta1v, Alluvial basin fill of Quaternary and Tertiary age, undifferentiated; Qta1v, Alluvial basin fill of Quaternary and Tertiary age, undifferentiated; Qta1v, Tertiary volcanics.
 Water level : Reported water levels given in feet; measured water levels given in tenshs of a foot and hundredths of a foot in observation wells. R, reported; F, flow; E, estimated.
 Method of lift and type of power: B, bucket; C, cylinder; CT, centrifugal; E, electric; G, gasoline, kumane, or diesel engine; H, hand; J, jet; N, none; Ng, natural gas; P, piston; S, submergible; T, turbine; W, windmill. Number indicates horsepower.
 Use of water : D, domestic; Ind, industrial; Irr, irrigation; N, none; P, public supply; S, livestock; R, recreation.

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
FD-47-01-401	D. F. Lewis	--	old	27	36	Qa1	3,730	25.0	Sept. 29, 1948	C, W	S	"Old Able's" well, no. 89 in Tex. Board Water Engineers Bull. 5004.
701	do	--	old	60	--	Qta1	3,671	50.0	do	C, W	S	"Colpase" well, no. 90 in Tex. Board Water Engineers Bull. 5004.
09-101	Ed Hamack	--	old	24	--	Qa1	3,660	20R	Nov. 1949	C, W	N	No. 97 in Tex. Board Water Engineers Bull. 5004.
201	do	H. H. Vitell	1961 & 1971	240	6	--	3,789	195.5	Nov. 13, 1975	N	N	Deepened from 200 to 240 feet in 1971, no. 91 in Tex. Board Water Engineers Bull. 5004.
202	do	--	1967 & 1971	240	8	--	3,789	--	--	S, E	S	Deepened from 207 to 240 feet in 1971.
203	do	--	1969-53?	150?	14	Qta1	3,697	91.0	Nov. 13, 1973	S, E	S	--
204	do	--	1969-53?	150?	16	Qta1	3,674	74.9	Nov. 14, 1973	N	N	--
205	do	--	--	150?	14	Qta1	3,676	70.7	do	N	N	Reported originally 300 feet deep, caved to 150 feet.
206	do	--	1952-53?	150?	16	Qta1	3,700	101.5	June 20, 1974	T, E	N	--
207	do	Leroy Perry	1974	1,240	14	Pgs?	3,685	95.7 104.2	Oct. 30, 1975	T, E 100	Irr	Bedrock at about 750 feet, limestone at 1,003 feet; tested at 1,500 gal/min with 4 feet drawdown, reportedly produces 2,450 gal/min with 18 feet drawdown.
501	do	--	1930's	80	6	Qta1	3,639	--	--	C, W	N	"Old place" well, originally 100 feet deep, caved and cleaned out to 80 feet in 1973.
502	do	--	1938-1940 & 1971	140	6	Qta1	3,690	--	--	C, W	S	"Harrison" well, originally 100 feet, deepened to 140 feet in 1971.
701	Gulfar Trust	Pure Oil Co.	1948	1,416	--	--	3,630	--	--	--	--	Pure Oil Co. Gulfar no. 1, core test no. 2, Hudspeth County, approximate location; bedrock (Gloimite) at 1,047 feet, sample and electric logs.
702	Ed Hamack	--	--	70	6	Qta1	3,648	--	--	C, W	S	Originally drilled to 100 feet, cleaned out to 94 feet, caved to 70 feet.
703	J. V. McAdoo	Pure Oil Co.	1948	1,180	--	--	3,660	--	--	--	--	Pure Oil Co., core test no. 1, Hudspeth County, approximate location; bedrock (Gloimite) at 1,080 feet, sample and electric logs.
801	do	George Milltan	1954	412	16	Pe	3,696	83.0 86.4 102.3	June 8, 1954 Jan. 26, 1960 Nov. 13, 1973	T, Ng	Irr	Bedrock (limestone) at 100 feet; cased to 270 feet, open hole below; 200 feet of 10-inch column pipe. Reported 2,400 gal/min with 97 feet drawdown in 1954, estimated 1,600 gal/min in 1968; former Tex. Water Devel. board water-level observation well. Z

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (FT.)	DIAMETER OF CASING (IN.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (FT.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (FT.)	DATE OF MEASUREMENT			
PD-47-09-802	Ed Ardoin	--	--	250+	16	Pe	3,800	197.6 205.4 200.1	Feb. 11, 1972 Sept. 7, 1972 Feb. 12, 1974	T, E, 1107	Irr	200 feet of 10-inch column pipe, estimated 920 gal/min in 1963. 220 feet 10-inch column pipe.
803	do	--	--	--	16	Pe	3,790	190.7	Mar. 21, 1972	T, E, 1150	Irr	Cased to 300 feet, open hole below; 200 feet 10-inch column pipe. Estimated 1,400 gal/min in 1972, 700 in 1974; field specific conductance 1,740 umho/cm and temperature 69°F in 1972.
804	J. V. McAdoo	C. E. Harris	1955	416	16	Pe	3,696	--	--	T, Ng, 1110	Irr	Bedrock (limestone) at 100 feet; cased to 400 feet, perforated 100 to 400 feet, open hole below; 200 feet 10-inch column pipe. Estimated 1,300 gal/min in 1960, 780 gal/min in 1963, 1,000 gal/min in 1974.
805	do	do	1955	515	16	Pe	3,696	84.9 96.9	July 26, 1960 Mar. 31, 1972	T, Ng, 1110	Irr	Cased to 320 feet, open hole below; gamma-ray log available, probe reached 732 feet (deepened after 1965?).
806	do	C. R. Bramblett	1965	500	18	Pe	3,696	94.3 98.6 104.2 97.0	Sept. 12, 1966 Mar. 31, 1972 Sept. 6, 1972 Feb. 11, 1974	N	N	El Paso Natural Gas Co. well no. 6; bedrock (limestone) at 275 feet; cased to 263 feet, open hole below. Estimated 330 gal/min 1968, 150 gal/min reported 1969, 17 gal/min/ft specific capacity reported. ³
807	do	--	--	--	--	--	3,722	130.2	May 18, 1972	S, E	D	Destroyed test hole, owner's test hole no. 1; bedrock at 257 feet. Limestone at 1807 feet; sample and gamma-ray logs.
HL-47-09-901	El Paso Natural Gas Company	Wheller Cash	1957	591	12	QTal, Pe	3,804	203R 194K 208R	Aug. 13, 1957 Feb. 4, 1969 June	T, E	Ind, D	El Paso Natural Gas Co. well no. 7; bedrock (limestone) at 249 feet; cased to 275 feet, open hole below. Reported 280 gal/min 1971; 16 gal/min/ft specific capacity reported 1971. ³
902	Amarex, Inc.	Continental Geophysical	1965	320	--	Pe	3,830	203.0	May 11, 1965	N	N	Destroyed test hole, owner's test hole no. 1; bedrock at 257 feet. Limestone at 1807 feet; sample and gamma-ray logs.
903	El Paso Natural Gas Company	K. C. Wheeler	1970	650	16	Pe	3,804	210R	May 1970	T, E	Ind, D	El Paso Natural Gas Co. well no. 7; bedrock (limestone) at 249 feet; cased to 275 feet, open hole below. Reported 280 gal/min 1971; 16 gal/min/ft specific capacity reported 1971. ³
904	do	S. H. Smith	1956	382	--	QTal, Pe?	3,869	272R	June 1969	T, E	Ind, D	El Paso Natural Gas Co. well no. 4 on standby status because of deterioration in water quality in 1969; bedrock at 3367 feet. 88 gal/min in 1969; 1.4 specific capacity reported 1969. ³
10-501	Six-Bar Cattle Co.	--	--	1,100	--	Pbs?	4,565	800R	1971	G, E	S	Owner's well no. 18, field specific conductance 1,160 umho/cm, water reddish.
701	--	--	--	702?	--	--	4,015	--	--	G, W	S	Field specific conductance 1,580 umho/cm.
PD-47-17-101	Texas Pacific Land Trust	Pure Oil Co.	1948	1,707	--	--	3,625	--	--	--	--	Pure Oil Co. Grable no. 1, core test no. 4, Hudspeth County, approximate location. Bedrock at 1,6507 feet (no massive limestone or dolomite); sample and electric log.
201	Amarex, Inc.	W. L. Stratton	1959	400	16	Pe	3,755	147.0 157.3 159.5	Jan. 26, 1960 Feb. 9, 1972 Feb. 11, 1974	N	N	Unused irrigation well; bedrock at 1687 feet or 247 feet (lime) or 285 feet (lime); cased to 241 feet, open hole below. Estimated 680 gal/min in 1967; former Tex. Water Development Board water-level observation well; used as observation well in aquifer test on HL-47-17-317. ³
202	Atlantic-Richfield Co.	Donahue	1952	250	18	QTal, Pe?	3,666	54.0 62.4 63.5	June 10, 1954 Feb. 11, 1972 Feb. 11, 1974	T, 70	N	Unused irrigation well; cased to 250 feet, perforated 89-94 feet; 70 feet 8-inch column pipe. Estimated 1,000 gal/min in 1960; 43 gal/min/ft specific capacity measured in 1960; Test. Water Devel. Board water-level observation well. ²

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
203	Atlantic-Richfield Co.	W. L. Stratton	1958	500	16	Pc	3,732	119.4 123.8 127.3	Jan. 26, 1960 Feb. 10, 1972 Feb. 11, 1974	S, E, 3/4	N	Unused domestic well; bedrock at 597 feet; limestone at 250 feet; cased to 500 feet, perforated 250-500 feet. Reported 2,450 gal/min and 38 gal/min/ft specific capacity in 1959, gamma-ray log, logger probe reached bottom at 465 feet. Tex. Water Devel. Board water-level observation well. 3
204	West Texas Production Credit Assoc.	C. R. Bramblett	1958	890	18	Pc	3,697	86.0 98.1	Jan. 26, 1960 Feb. 11, 1972	T, 100	N	Unused irrigation well; bedrock (limestone) at 62 ft; cased to 62 feet, open hole below; 250 feet 8-inch column pipe. Estimated 790 gal/min in 1965, 6.5 gal/min/ft specific capacity estimated in 1960. 3
205	Atlantic Richfield Co.	G. E. Millan	1951	310	16, 14	Pc	3,689	71.9 84.3 85.1	June 10, 1954 Feb. 11, 1972 Feb. 11, 1974	T, 75	N	Unused irrigation well; bedrock (limestone) at 193 feet; cased to 300 feet; 130 feet 8-inch column pipe. Reported 400 gal/min in 1959; partial driller's log. Tex. Water Development Board water-level observation well. 3
206	West Texas Production	C. E. Harris	1956	750	18	Pc	3,699	86.0 99.6 101.1	Jan. 26, 1960 Feb. 11, 1972 Feb. 11, 1974	N	N	Unused irrigation well; bedrock (limestone) at 121 feet; cased to 122 feet, perforated 0-122 feet, open hole below; 220 feet 10-inch column pipe. Estimated 470 gal/min in 1966 and 7.7 gal/min/ft specific capacity reported in 1956. Tex. Water Development Board water-level observation well. 3
207	Atlantic Richfield Co.	W. L. Stratton	1957	600	14	Pc	3,680	75.2 81.3	Nov. 17, 1959 Feb. 11, 1972	S	N	Unused irrigation and domestic well; bedrock (limestone) at 239 feet; cased to 280 feet, open hole below; 8-inch column pipe to 90 feet. Reported 250 gal/min in 1959; driller's and gamma-ray logs, logger probe reached bottom at 535 feet. Former Tex. Water Development Board water-level observation well. 3
208	West Texas Production Credit Assoc.	C. R. Bramblett	1962	1,686	16	Pc	3,703	106.1 103.7	Apr. 5, 1965 Feb. 11, 1972	T, 100	N	Unused irrigation well; bedrock (limestone) at 145 feet; cased to 146 feet, open hole below. Reported 2,000 gal/min and 12 gal/min/ft specific capacity in 1965. Electrical and gamma-ray logs to 1,030 ft. 3
209	Amarex, Inc.	--	1964	395	12	Pc?	3,737	138R	1964	T	N	Unused irrigation well.
211	West Texas Production Credit Assoc.	--	--	381	18	Pc?	3,712	112.2 113.8	Feb. 11, 1972 Feb. 11, 1974	N	N	Unused test well(?). Gamma-ray log, probe reached bottom at 381 feet.
213	Atlantic Richfield Co.	Pure Oil Co.	1948	1,430	--	--	3,640	--	--	N	N	Pure Oil Co. Merritt no. 1, core test no. 3 Hudspeth County, approximate location; bedrock (dolomite) at 1,362 feet, sample and electric logs.
214	West Texas Production Credit Assoc.	--	--	260	16	--	3,703	104.0	Feb. 11, 1972	--	--	Unused test well(?); gamma-ray log, probe reached bottom at 260 feet.
215	--	--	--	--	--	--	3,660	53.7	Feb. 10, 1972	S	N	Unused domestic well.
216	Atlantic Richfield Co.	--	--	--	--	--	3,730	137.1	Feb. 11, 1972	S, E	D	Field specific conductance 1,620 umho/cm.
217	Wesley West	--	--	47	6	Qa1	3,637	32.6	Mar. 29, 1972	C	N	"Soda" well, unused stock well.
218	--	--	1962	350	16, 12	Qa1, Pc?	3,667	59.2 61.0 62.2	Jan. 23, 1964 Feb. 10, 1972 Feb. 12, 1974	T, 150	N	Formerly State well no. 47-17-501. Unused irrigation well; cased to 350 feet, perforated 50-120 feet, 160-180 feet, 240-270 feet, and 310-350 feet. Reported 1,300 gal/min and 16 gal/min/ft specific capacity in 1963. Tex. Water Development Board water-level observation well.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIPT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
W 110-47-17-301	Atlantic Richfield Co.	Cunningham	1953	385	18	Pe	3,754	154.1 158.8 157.8	Mar. 22, 1960 Feb. 9, 1972 Feb. 26, 1973	T, N ₂ , 200	Irr	North well of three closely spaced irrigation wells; cased to 268 feet, open hole below, perforated 155-157, 219-224 feet; 210 feet 14-inch column pipe. Roughly estimated 6,650 gal/min in 1965; former Texas Water Development Board water-level observation well.
W 302	do	W. L. Stratton	1959	377	16	Pe	3,754	149.8 159.2 167.9 161.1	Jan. 26, 1960 Feb. 9, 1972 Sept. 7, 1972 Feb. 11, 1974	T	N	Middle of three closely spaced irrigation wells; bedrock at 307 feet, limestone at 224 feet; cased to 229 feet, open hole below, perforated 160-169 feet; 170 feet 10-inch column pipe. Estimated 2,100 gal/min in 1967; Texas Water Development Board water-level observation well. ² ³
W 303	do	do	1958	377	16	Pe	3,754	150.7 159.1 167.4	Nov. 17, 1959 Feb. 9, 1972 Sept. 7, 1972	T	N	South well of three closely spaced irrigation wells; bedrock at 1407 feet, limestone at 217 feet; cased to 222 feet, open hole below, perforated 160-184 feet, 195-204 feet; 180 feet 12-inch column pipe. Estimated 2,200 gal/min in 1965, 2,000 gal/min estimated in 1973. ³
W 304	Amarex, Inc.	do	1964	450	16	Pe	3,802	197.1 200.7 202.6	Apr. 7, 1965 Feb. 9, 1972 Feb. 11, 1974	S, K	S	Irrigation well used for stock; limestone at 120 ft; cased to 200 feet (from electric log), open hole below. Reported 900 gal/min in 1965; electric logs, two gamma-ray logs, probe reached bottom at 436 feet. Texas Water Development Board water-level observation well. ²
W 306	do	--	--	245	N	--	3,790	--	--	N	N	Destroyed test hole, approximate location; limestone at 20 feet.
W 307	do	W. L. Stratton	1964	--	20	Pe	3,788 187.4	183.9 187.4	Apr. 6, 1965 Feb. 9, 1972	T	N	Unused irrigation well; cased to 269 feet; gamma-ray log, probe reached bottom at 420 feet.
W 308	do	--	--	290	N	--	3,762	--	--	N	N	Destroyed test hole, approximate location; limestone at 180 feet.
W 309	do	--	--	360	N	--	3,690	--	--	N	N	Destroyed test hole, approximate location; no limestone encountered.
W 310	do	--	--	400	N	--	3,710	--	--	N	N	do.
W 311	do	--	--	140	N	--	3,770	--	--	N	N	Destroyed test hole, approximate location; limestone at 90 feet.
W 312	do	-- & Continental Geophysical Company	old & 1965	480	N	Pe	3,865	231.8	May 10, 1965	N	N	Old 260- or 280-foot well deepened as a test hole and destroyed, approximate location; limestone estimated at 175-180 feet; sample, electric, and gamma-ray logs, probe reached bottom at 277 feet.
W 313	do	Continental Geophysical Company	1965	480	N	Pbed?	3,810	194.5	do	N	N	Destroyed test hole, approximate location; shallow bedrock, no limestone encountered; sample, electric, and gamma-ray logs, probe reached bottom at 453 feet.
W 314	do	do	1965	360	N	Pbed, Pe?	3,775	167.9	do	N	N	Destroyed test hole, approximate location; bedrock at 207 feet, limestone at 300 feet; sample and gamma-ray logs, probe reached bottom at 310 feet. ³
W 315	do	do	1965	280	N	Pe	3,780	179.7	May 15, 1965	N	N	Destroyed test hole, approximate location; shallow bedrock (?). Limestone at 120 feet; sample and gamma-ray logs, probe reached bottom at 274 feet.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING LIMIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
HL-47-17-316	Amarex, Inc.	--	1965	1,073	10	--	3,780	--	N	N	N	Destroyed test hole, approximate location; cased to 118 feet; shallow bedrock(?), limestone at 1207 feet. Electric, gamma-ray and neutron, and acoustic velocity logs, probe reached bottom at 1,046 feet.
317	do	Fireball Irrigation, Inc.	1965	600	18, 16	Re	3,762	163.3 162.0 165.4	Oct. 28, 1965 Feb. 26, 1973 Feb. 11, 1974	T, Ng	Irr	Bedrock (limestone) at 220 feet; cased to 530 feet, open hole below, perforated 492-530 feet; 370 feet 12-inch column pipe. Reported 2,000 gal/min and 58 gal/min/ft specific capacity in 1965; aquifer test, sample log; Texas Water Development Board water-level observation well. ³
318	do	--	--	--	--	--	3,777	178.1 179.8	Feb. 9, 1972 Feb. 11, 1974	T, 125	N	Unused irrigation well; may be well drilled in 1967 to 738 feet with limestone at 689 feet and a reported yield of 3,500 gal/min; 10-inch discharge pipe.
319	do	--	--	--	6	--	3,801	196.2	Feb. 9, 1972	C	N	"Black John" well, unused stock well.
320	Six-Bar Cattle Co.	K. C. Wheeler, High Plains Drilling Co., & H. E. Stanton	1971	1,170	16	Pbed, Re?	3,870	267.0 270.7	Feb. 27, 1973 Feb. 12, 1974	N	N	East well of two unused irrigation wells; shallow bedrock(?), limestone at 420 and 530 feet; cased to 580 feet, open hole below. Reported 2,000 gal/min and 1.3 gal/min/ft specific capacity in 1971; sample log.
321	do	H. E. Stanton	1971	1,120	16	Pbed, Re?	3,862	267.1	May 17, 1972	N	N	West well of two unused irrigation wells; shallow bedrock(?), limestone at 510 feet; cased to 568 ft, open hole below. Reported 1,900 gal/min and 200 gal/min/ft specific capacity in 1971; sample, gamma-ray, and neutron logs.
322	do	--	1960	600	7	Pbed	3,867	252.7	do	N	N	Unused stock well; shallow bedrock; cased to 233 feet. ³
601	G. L. Bronson	--	--	200	16	QTA1, Pbed?	3,722	122.2 123.3 97.6	Jan. 26, 1960 Feb. 10, 1972 Feb. 12, 1974	N	N	North well of two unused irrigation wells, drilling rig abandoned over well (during deepening?); cased to 200 feet. Reported 1,000 gal/min and 20-25 gal/min/ft in 1959; gamma-ray log, probe touched soft bottom at 176 feet; 1974 water level may be the result of material being dropped in well. Texas Water Development Board water-level observation well.
602	do	--	--	200	16	QTA1, Pbed?	3,706	102.6 110.3 111.8	Feb. 7, 1961 Feb. 10, 1972 Feb. 12, 1974	T, 50	N	Unused irrigation well; cased to 200 feet, 182 feet 10-inch column pipe; estimated 410 gal/min and 8.5 gal/min/ft specific capacity in 1960.
604	do	--	--	--	16	QTA1, Pbed?	3,722	135.0 127.8	Feb. 10, 1972 Feb. 12, 1974	T	N	South well of two unused irrigation wells; gamma-ray log, probe reached soft bottom at 158 feet.
PD-47-17-605	Amarex, Inc.	--	--	--	--	QTA1	3,639	29.1	do	C, W	S	Probably about 50-55 feet deep, based on sounding with a weighted tape.
606	do	--	--	--	--	--	3,697	97.3	Feb. 10, 1972	C	N	"Hardluck" well, unused stock well.
607	do	North American Royalties Inc.	1972	1,750	10	Pbed, Pbot?	3,890	--	--	C, W	S	OIL test, North American Royalties, Inc., Pottery co. 1, drilled to 3,400 feet and plugged at 1,750 feet for a water well; cased to 1,135 feet, open hole below; casing-bearing zones reported at 530, 546, 618, 637, 866, 1,180, 4,332, and 4,337 feet; water level 306, 9 feet while pumping 2-3 gal/min; field specific conductance, 1,600 umho/cm.
902	do	--	--	--	5	--	3,636	--	--	C, W	S	--

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
<u>1</u> HL-47-17-903	Amarex, Inc.	--	1965	450	15	QTal, Pbcd?	3,736	114.1 124.9 123.0	May 8, 1965 Feb. 10, 1972 Feb. 12, 1974	N	N	Formerly State well no. HL-47-18-701, unused irrigation well; cased to 450 feet. Estimated 1,280 gal/min and 9 gal/min/ft specific capacity in 1965; aquifer-test data; gamma-ray log, probe reached bottom at 408 feet. Texas Water Development Board water-level observation well. <u>2</u>
904	do	Fireball Irrigation Inc.	1966	400	16	QTal, Pbcd?	3,748	140.4	Apr. 26, 1973	N	N	Formerly State well no. HL-47-18-704, unused irrigation well; cased and perforated to 400 feet, partially gravel packed. Reported 1,500 gal/min and 16 gal/min/ft specific capacity; partial sample log for this well indicates total depth 985 feet or more?
<u>1</u> 18-101	Six-Bar Cattle Co.	--	1930's	500?	--	Pbcd	3,940	--	--	C, E	N	Unused domestic and stock well.
<u>1</u> 201	do	--	--	750	--	Pbcd	4,337	--	--	S, E	S	"Rock Tank" well; field specific conductance 1,580 umho/cm in 1972; 50 feet of water reported in well in 1971.
<u>1</u> 301	do	--	--	1,185	--	Pbcd	4,610	--	--	S, E	S	"Canyon Mill" well; 60 feet of water reported in well in 1971.
<u>1</u> 401	Amarex, Inc.	--	--	--	--	--	3,866	--	--	C, W	N	Unused stock well.
<u>1</u> 402	Six-Bar Cattle Co.	Paul Gooden	1970	1,200	12	Pbcd	3,945	357R	Nov. 23, 1971	S, E	D	Cased to 600 feet, open hole below; 280 gal/min and 2.7 gal/min/ft specific capacity reported from production test. Pumps about 35 gal/min; field specific conductance 1,450 umho/cm in 1972.
404	Amarex, Inc.	--	--	--	16	QTal, Pbcd?	3,825	223.7 225.3	Feb. 11, 1972 Feb. 12, 1974	N	N	Unused irrigation well; gamma-ray log, probe reached bottom at 580 feet.
<u>1</u> 705	do	Fireball Irrigation Inc.	1966	600	16	QTal, Pbcd?	3,762	162.7	Feb. 10, 1972	C, W	S	Irrigation well equipped with a windmill for stock supply. Cased to 600 feet and perforated. Reported 1,500 gal/min and 16 gal/min/ft specific capacity in 1966; sample log indicates total depth 535? feet.
<u>1</u> 706	do	do	1966	400	16	QTal, Pbcd?	3,774	171.8	Feb. 10, 1972	N	N	Unused irrigation well; cased to 400 feet, perforated and gravel packed. Reported 1,500 gal/min and 16 gal/min/ft specific capacity in 1966; partial sample log indicates drilled to 600? feet; gamma-ray log, probe reached bottom at 342 feet.
707	do	--	--	--	16	QTal, Pbcd?	3,785	185.4 181.3	do Feb. 12, 1974	N	N	Unused irrigation well; gamma-ray log, probe reached bottom at 404 feet.
801	--	--	--	--	8	--	3,915	--	--	N	N	Unused stock well; gamma-ray log, probe reached bottom at 323 feet; water at bottom of hole 3-31-72.
<u>1</u> 901	H. H. Norman & J. N. Demeret	--	1957 & 1973	820	12, 10, 8	Pbcd?	4,300	698R	1960	S, G	D, S	Formerly supply for EPNG "Borders Ranch", originally 751 feet deep, deepened in 1973; cased to 751 feet, perforated 731-751 feet prior to redrilling. Reported 50 gal/min in 1960. <u>3</u>
PD-47-25-401	Wesley West	--	--	72	8	QTal	3,650	48.0	Mar. 29, 1972	C	N	"Cureton" windmill, unused, poor water quality reported.
<u>1</u> 801	do	--	--	457	--	Pbsvp?	3,953	351R	1965	S, E	S	"Fence-line" well.
802	do	--	--	--	4	QTal?	3,755	144.1	Mar. 28, 1972	N	N	Unused stock well, approximate location; tape reached bottom at 150? feet.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Holson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
HL-47-25-901	Wenley West	--	--	459	5	Pz	4,038	442R	1965	C	N	South of two wells called "Apache" wells; good water quality reported.
903	do	--	1972	566	--	Pz	4,067	480R	1972	C, W	S	Field specific conductance of water in tank, 2,650 umho/cm.
26-101	do	--	--	--	--	QTral	3,636	--	--	C, W	S	"Wimberley" windmill; tape reached bottom at 807 feet; water level about 34 feet while pumping 1-5 gal/min.
102	do	--	--	116	6	QTral	3,683	80-4	Mar. 30, 1972	C, W	S	"Aeromotor" or "West" windmill.
701	do	--	--	104	7	QTral	3,674	87+5	Feb. 27, 1973	C, W	S	"Sizable East" well, two abandoned windmills just to the west.
901	W. B. Blakemore	--	--	200	3	QTral	3,786	201-8	May 3, 1972	C, W	S	"Sand" well.
27-401	W. T. Posey	--	--	440	--	Pbcd	3,995	375R	1972	C, G	S	"Roberts Camp" well; field specific conductance of water from tank 5,200 umho/cm.
33-301	Figure 2 Ranch	--	--	286	7	Pz	3,832	237R	Mar. 30, 1972	C, G	S	--
34-101	do	--	old	--	6	QTral	3,593	14+2 16+3	June 14, 1950 May 18, 1972	C, W	S	--
102	do	--	old	49	6	Qal	3,638	49+6	Nov. 30, 1972	C, W	S	Called "Stevens" well.
103	do	--	--	92	6	QTral	3,655	73R	1965	C, W	S	Owner's "house" well.
104	do	--	--	--	8	QTral	3,655	76+6	May 29, 1972	S, E	S	--
105	do	--	1972	210	5	QTral	3,678	99+8	Feb. 27, 1973	N	N	--
201	Corn Ranch	--	--	103	--	QTral	3,640	46+4	May 3, 1972	C, W	S	--
301	do	--	--	--	--	QTral	3,719	149+6	May 2, 1972	C, W	S	Water is very hard and gypsy.
401	Figure 2 Ranch	--	--	182	--	QTral	3,681	104R	1965	S, E	D, S	Called "Snake" well; specific conductance, field test, 1,230 umho/cm.
601	Corn Ranch	Texaco, Inc. (Captain Drilling Co.)	1966	5,060	--	--	3,682	--	--	--	--	Oil test, Texaco Inc. Gulberson "0" Fee no. 1; sample and drill-time logs, bedrock estimated at 750 feet.
602	do	Captain Drilling Co.	1966	304	6	QTral	3,682	95+6	Apr. 21, 1972	N	N	Supplied water for drilling oil test HL-47-34-601. Reported water sands at 135-138 feet (gypsy) and 270-300 feet.
701	do	--	--	160	6	QTral	3,716	146+2	May 3, 1972	N	N	Called "Five-mile" well.
702	do	--	--	--	--	QTral	3,716	--	--	S, E	S	Do.
703	do	U.S. Geological Survey	1973	13	--	Qal	3,568	8+4	Nov. 28, 1973	N	N	Auger hole on west side of Salt Flat. Bailed sample of water 11-28-73. Strong hydrogen sulfide odor. Located 0.6 mile south of lowest point in Salt Basin (3,564 feet).
901	do	--	old	128	6	QTral	3,684	68+3 69+6	Apr. 21, 1972 Dec. 18, 1972	C, W	S	Called "Brush" well; water level 95 feet, pumping 3 gal/min 6-6-50. Ten-foot mill, 110 feet 3-inch column pipe.
35-101	do	--	--	--	6	QTral	3,790	--	--	C, W	S	Called "John's" well.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Mission--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
<u>1/</u> HL-47-35-501	Corn Ranch	--	--	--	6	Pbcd	3,950	--	--	C, W	S	Called "Cortillo" well.
<u>1/</u> 701	do	--	old	140	5	QTal	3,696	101.8 99.6	June 6, 1950 Dec. 19, 1972	C, W	S	Called "Samson" well. Water level 108 feet, pumping 1-3 gal/min 4-21-72.
42-201	do	U.S. Geological Survey	1973	30	--	Qa1	3,587	23.4	May 23, 1973	N	N	Bored. Seismic shot hole. Lumpy brown soil to 5 feet, gypsiferous caliche 5-30 feet, hole dump below 10 feet.
401	do	B. R. Richardson	1969	149	7	P?	3,700	129R 130.2	Dec. 19, 1972	C, E 1-1/2	D, S	"Headquarters" well. Reported sand, gravel and rock to 90 feet, broken lime rock 90-98 feet. Lime bed rock 98-142 feet, crinoid with gravel and basal (fault zone?) 142-149 feet. <u>3</u>
701	W. S. Houston, et al	--	1964	--	6	QTal, P?	3,806	240.5	Dec. 20, 1972	S, E, 1	S	--
901	Corn Ranch	--	--	500	5	P	3,878	328.2	do	C, W	N	Called "Bull" well. Set 385 feet 2-1/2-inch column pipe.
<u>1/</u> 43-101	do	--	old	130	6	QTal	3,674	60.0 59.9	Mar. 30, 1972 Dec. 19, 1972	C, W	S	Owner's "Brush" well. Water in hard and gypsy.
201	J. H. Johnson Est.	--	old	280	5	QTal, Pbcd	3,820	248.75 255.26	June 30, 1950 Mar. 30, 1972	C, W, S	--	Called "Stark North" well. Former Texas Water Development Board water-level observation well.
<u>1/</u> 202	Daniel Floek	--	1953	550	16	QTal, Pbcd	3,784	223.54 236.45 242.45	Jan. 21, 1956 Jan. 26, 1966 Dec. 12, 1972	T, G	Irr	Formerly State well no. HL-47-43-201; Texas Water Development Board water-level observation well. <u>2</u>
203	do	--	1955	300	16	QTal,	3,762	196.45 211.23	Jan. 23, 1956 Dec. 12, 1972	N	N	--
501	F. A. Davis	Wesley West & Armour	1959	8,202	--	--	3,690	--	--	--	--	Oil test. W. West and Armour Davis no. 1 (reported top of Permian Guldulup at 1,230 feet). Electric log shows high resistivity.
502	Daniel Floek	--	old	190	6	QTal	3,720	156.02 156.58	Jan. 29, 1953 Dec. 4, 1972	C, W	N	Interval (reef limestone) 1,650-2,320 feet; some, gamma-ray and sample logs; unused stock well. Texas Water Development Board water-level observation well. <u>2</u>
<u>1/</u> 503	do	Stratton & Foster	1956	578	14	Pbcd	3,874	251.1	Mar. 30, 1972	T, G	Irr	Drilled to 290 feet by Stratton in 1956. Deepened to 578 feet by Foster in 1967. Set 350 feet 8-inch column pipe. Reported straddled of 83 feet, pumping 550 gal/min for 36 hours in 1967. <u>3</u>
<u>1/</u> 601	Myrtle R. Roush Est.	--	--	350	6	Pc?	3,835	285.0 298.8 300.3	Jan. 19, 1956 Jan. 17, 1971 Dec. 4, 1972	C, W	S	Owner's "Myrtle" well.
<u>1/</u> 701	Watson Ranch	--	old	173	5	QTal	3,687	131.31 143.56 143.25	Jan. 29, 1953 Dec. 8, 1971 Mar. 6, 1972	C, W	S	"Watson" well. Texas Water Development Board water-level observation well. Discharged 1-1/2 gal/min 3-6-72. <u>2</u>
702	do	--	old	160	6	QTal	3,665	117.8	Dec. 19, 1972	C, W	S	"Hammet" well.
801	do	--	--	195	5	QTal	3,698	137.92 139.69 141.57	Jan. 29, 1953 Jan. 6, 1963 Dec. 12, 1972	C, W	S	Called "Lower Bean" well. Texas Water Development Board water-level observation well. Specific conductance, field test, 3,800 umho/cm.
802	do	--	--	--	14	QTal	3,689	142.35 141.69 141.36	Jan. 23, 1970 Dec. 8, 1971 Dec. 4, 1972	P, G	S	Texas Water Development Board water-level observation well.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LEFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
HL-47-44-701	Elcor Chemical Corp.	--	1968	468	6	Pc	3,887	353.0 350.9 353.2	Nov. 24, 1970 Feb. 17, 1971 Mar. 6, 1972	C, W	S	"Road" well. Pumping level 354.1 feet, discharging 2-1/2 gal/min, 3-6-72.
702	Myrtle R. Rosch Est.	L. W. Stratton	1945	550	6	Pc	3,997	482R 525R	1945 1970	C, W	S	"Deep" well; bedrock reported at 4 feet. Discharged 3-1/2 gal/min 3-6-72. Specific conductance, field test, 4,500 umho/cm. ³
51-101	Watson Ranch	--	old	210	6	QTu1	3,706	156.26 161.50 168.72	Jan. 29, 1953 Feb. 8, 1961 Dec. 12, 1972	C, W	S	--
301	Myrtle R. Rosch Est.	--	--	150	5	QTu1	3,674	80R	1971	C, W	S	"Lower" well. At old Durrill line camp.
401	Watson Ranch	--	old	--	6	QTu1	3,760	207.77 220.09 231.00	Jan. 29, 1953 Feb. 6, 1963 Mar. 29, 1972	C, W	D, S	"Headquarters" well. Specific conductance, field test, 1,280 umho/cm.
402	D. V. & D. W. St. Clair	--	1957	525	14	QTu1	3,722	--	--	T, Ng	Irr	--
501	Pansy D. Clegg	--	--	187	5	QTu1	3,702	151.56 159.60 168.90	May 11, 1950 Jan. 28, 1960 Dec. 13, 1972	C, W	S	"Bedley Double" wells. Texas Water Development Board water-level observation well. Discharging 3 gal/min 12-13-72. ²
502	do	R. A. Foster	1963	302	6	QTu1	3,687	137.8 139.0	Feb. 11, 1971 Apr. 12, 1972	C, W	S	"Mildhorse Creek" well. Casing, 8-inch to 184 feet, 6-5/8-inch liner to 302 feet, plotted 184-302 feet. Set 150 feet 2-1/2-inch column pipe. Discharging 3-1/2 gal/min 3-12-72. ³
503	State (U.S.)	Stratton & Foster	1945	404	14	QTu1	3,713	--	--	N	N	Reported first irrigation well drilled in Mildhorse area. Tested at 750 gal/min when drilled. Pumped an estimated 200 gal/min in 1952. Had obstruction above water level in 1972.
601	Buehah D. Espy	--	1940 ¹	200	5	QTu1	3,702	158.0	Feb. 17, 1971	C, W, G	S	"North" well.
602	do	Elcor Chemical Corp.	1968	179	6	QTu1	3,710	165.6 165.8	Feb. 16, 1971 Apr. 12, 1972	C, G	S	Casing, 6-1/2-inch to 160 feet, Open hole 160-179 feet. Set 160 feet 2-1/2-inch column pipe.
701	Mildhorse Farms	Earl Fisher	1960	955	16	QTu1	3,732	200.8	Dec. 12, 1972	T, Ng	Irr	Owner's well no. 15. Casing slotted 302-950 feet, gravel packed. Reported pumping levels of 248 and 310 feet, discharging 1,250 and 2,100 gal/min, respectively, when drilled. Measured discharges, 1,090 gal/min 7-18-67, 980 gal/min 4-30-68, and 1,550 gal/min 3-21-72. ³

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Holson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (FEET)	DIAMETER OF CASING (IN.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (FEET)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (FEET)	DATE OF MEASUREMENT			
1/ HL-47-51-702	Widhorse Farms	Earl Fisher	1959	1,045	16	QFa1	3,739	188	Aug. 5, 1960	T, Ng	Irr	Owner's well no. 7, gravel packed. Set 320 feet 12-inch column pipe. Reported drawdown of 53 feet, pumping 2,800 gal/min for 24 hours in 1959. Discharged 1,430 gal/min 4-19-73.
703	C. D. Hunter	--	1949	500	16	QFa1	3,753	194.96 211.20 218.00	July 16, 1949 Feb. 9, 1961 Dec. 11, 1972	T, N	N	Former Texas Water Development Board water-level observation well. 3
1/ 704	Widhorse Farms	--	--	450?	16	QFa1	3,732	179.05 199.15	Jan. 27, 1953 Jan. 28, 1970	T, Ng	Irr	Owner's well no. 5. Discharged 1,880 gal/min 3-28-72, and 1,700 gal/min 4-19-73. Texas Water Development Board water-level observation well.
1/ 705	do	R. A. Foster	--	525	16	QFa1	3,749	238.3	Mar. 27, 1972	T, N	N	Owner's well no. 26.
706	A. J. Schneider Trust	--	--	500	14	QFa1	3,740	200.0 201.64 201.63	Jan. 19, 1967 Oct. 4, 1972 Mar. 9, 1973	N	N	Drilled for irrigation. Reported 16-inch casing collapsed. Installed 14-inch liner. Tested at 300 gal/min and abandoned. Texas Water Development Board water-level observation well.
1/ 707	D. V. & D. W. St. Clair	--	1952	476	16	QFa1	3,730	177.78 192.4 197.33	Jan. 27, 1953 Feb. 16, 1966 Dec. 12, 1972	N	N	Formerly State well no. HL-47-51-403. Discharged 1,880 gal/min 8-10-66; gamma-ray log; reported well was abandoned after water became salty. Texas Water Development Board water-level observation well.
1/ 708	Widhorse Farms	Earl Fisher	1960	600	16	QFa1	3,751	2008 216.0	May 12, 1960 Mar. 28, 1972	T, N	N	Owner's well no. 6. Discharged 540 gal/min 7-18-67. 3
1/ 709	do	--	--	240	14	QFa1	3,744	194.94 211.05 213.65	Jan. 27, 1953 Jan. 16, 1968 Dec. 13, 1972	N	N	Owner's well no. 27. Texas Water Development Board water-level observation well.
1/ 710	do	Earl Fisher	1960	746	16	QFa1, Ec?	3,751	213.6 215.2	Mar. 28, 1972 Nov. 12, 1972	N	N	Formerly State well no. HL-47-51-402; owner's well no. 9, drilled to 1,096 feet. Log shows shale, sand, and gravel to 696 feet; gravel, boulders, and white hard sand 696-722 feet; lime, gypsum, and conglomerate 722-1,096 feet. Set 746 feet of casing with 450 feet of slots. Measured discharge, 1,880 gal/min 8-10-66, 1,550 gal/min 7-10-67, and 1,670 gal/min 8-8-68. 3
711	A. J. Schneider Trust	--	--	--	14	QFa1	3,743	231.5 229.4	Mar. 28, 1972 Dec. 21, 1972	T, Ng	Irr	Discharged 750 gal/min 4-19-73.
1/ 712	do	--	--	--	14	QFa1	3,742	211.8	do	T, Ng	Irr	Measured discharge, 647 gal/min 7-13-67, 840 gal/min 3-28-72, and 830 gal/min 4-19-73.
713	Jess Tabor	Fred Scroggins	1953	450	16	QFa1	3,751	230.5	Mar. 28, 1972	T, Ng	Irr	Casing slotted 425-450 feet. Set 280 feet 8-inch column pipe.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (FT.)	DIAMETER OF CASING (IN.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (FT.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW (-) DATUM (FT.)	DATE OF MEASUREMENT			
W-47-51-714	Wildhorse Farms	--	--	--	--	Qta1	3,722	189.0	Mar. 27, 1972	T, Ng	Irr	--
801	do	--	--	400	16	Qta1	3,718	167.05 184.87 194.02	Jan. 27, 1953 Feb. 6, 1963 Dec. 13, 1972	N	N	Owner's well no. 10. Texas Water Development Board water-level observation well.
802	J. E. Beasley	--	--	414	14	Qta1	3,722	176.03 189.92 194.0	Jan. 21, 1954 Feb. 6, 1963 Dec. 13, 1972	T, Ng	Irr D, S	Set 300 feet 8-inch column pipe and six stages of 8-inch bowls. Measured discharge, 565 gal/min 8-10-66, 920 gal/min 8-13-68, and 560 gal/min 7-17-72. Texas Water Development Board water-level observation well.
803	do	--	--	384	16	Qta1	3,725	171.84 186.56 191.62	Jan. 27, 1953 Feb. 6, 1963 Dec. 13, 1972	N	N	Texas Water Development Board water-level observation well.
804	Wildhorse Farms	--	--	450	16	Qta1	3,731	178.84 198.03 208.24	Jan. 27, 1953 Jan. 24, 1964 Dec. 4, 1972	N	N	Owner's well no. 2. Texas Water Development Board water-level observation well. Measured discharges, 1,000 gal/min 8-10-66, 1,130 gal/min 7-11-67, and 820 gal/min 8-13-68.
805	do	--	--	--	14	Qta1	3,732	182.30 188.60	Jan. 23, 1956 Feb. 8, 1961	N	N	Former Texas Water Development Board water-level observation well.
806	M. O. Webb	--	1958	457	16	Qta1	3,737	217.15 221.25	Jan. 19, 1967 Feb. 13, 1971	T, Ng	Irr	Measured discharge, 1,470 gal/min 8-10-66, 1,270 gal/min 7-18-67, 1,510 gal/min 8-13-68, and 1,060 gal/min 4-19-73. Texas Water Development Board water-level observation well.
807	do	Fred Scroggins	1957	498	16	Qta1	3,730	185R 204.9 197.9	May 23, 1957 Mar. 27, 1972 Dec. 13, 1972	N	N	Casing slotted 253-498 feet; gamma-ray log; development test 5-23-57, drawdown of 48 feet, pumping an average of 1,170 gal/min for 18 hours. <u>3</u>
808	J. E. Beasley	--	--	400	14	Qta1	3,726	192.6	do	T, Ng	Irr	Discharged 590 gal/min 4-12-72.
809	Wildhorse Farms	--	--	--	14	Qta1	3,739	219.0	Mar. 27, 1972	T, Ng	Irr	Owner's well no. 28. Discharged 900 gal/min in 1967.
901	Troy Smith Est.	--	--	--	16	Qta1	3,744	189.93 209.59	Jan. 22, 1955 Dec. 13, 1972	N	N	Former Texas Water Development Board water-level observation well.
902	do	--	1951	500	16	Qta1	3,754	199.9 220.80 223.38	Jan. 29, 1953 Feb. 6, 1963 Dec. 13, 1972	T, Ng	Irr, S	Used for stock water only in 1972. Measured discharge 235 gal/min 8-10-66, 274 gal/min 7-18-67, and 225 gal/min 7-13-68. Texas Water Development Board water-level observation well.
903	do	--	--	355	16	Qta1	3,753	224.3 222.8	Apr. 12, 1972 Dec. 13, 1972	N	N	Unused irrigation well.
904	Mrs. Beulah Espy	--	1941	250	6	Qta1	3,764	229.8	Feb. 11, 1971	C, W, E	D, S	--
905	do	West Texas Explor. Co.	1972	580	--	--	1,760	223	July 19, 1972	N	N	Test hole, Amesley no. 4. Driller's log indicates clay, sand, and gravel to 577 feet. White to pink fossiliferous, hard limestone 577-580 feet. <u>3</u>
906	do	do	1972	120	--	--	3,775	--	--	N	N	Test hole, Amesley no. 1. Driller's log indicates clay, sand, and gravel to 100 feet. Grey dense limestone 100-110 feet, white fossiliferous limestone 110-120 feet. Sample and gamma-ray logs. <u>3</u>
907	do	do	1972	755	--	--	3,754	--	--	N	N	Test hole, Amesley no. 5. Driller's log indicates clay, sand, and gravel to total depth, partial sample log. <u>3</u>

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW (-) DATUM (ft.)	DATE OF MEASUREMENT			
HL-47-52-101	C. G. Durrill Est.	--	1969	350	12	Ec	3,815	286.3 290.6	Nov. 24, 1970 Apr. 4, 1972	T, N	N	Drilled to supply water for construction of PN 2185.
102	Elcor Chemical Corp.	Continental Geophysical Co.	1966	200	--	--	3,840	--	--	N	N	Test hole, Elcor no. 1. Log shows soil, sand, and gravel to 55 feet; hard pink sandstone 55-200 feet. ³
201	do	H. H. Virpeu	1966	773	7	Ec	4,218	675R	Dec. 1966	S, E, 20	D, S	Log shows limestone from 1-773 feet. Casing perforated 733-773 feet. Water from porous zones 695-725 feet, 730-760 feet, and 765-773 feet. ³
301	do	Woolfolk Engineering Co.	1968	1,713	18	Ec	4,548	1,008R 1,017R 1,014R 1,017R	June 1968 June 1969 Jan. 1970 Dec. 1973	S, E, 500	N	Owner's well no. 2. Drilled to 1,713 feet, set 18-inch casing to 1,163 feet and cemented with 5 yards. Acidified open hole from 1,163-1,722 feet with 20,000 gallons 28% HCl. Set 6-inch column pipe and 16 stoges, 10-inch tops at 1,168 feet. Development test by W. H. B. Pump Co., Midland, Texas, June 1968, drawdown of 82 feet, discharging 397 gal/min for 2-1/2 hours.
401	do	--	--	250	6	QTz1	3,767	235.1	Apr. 4, 1972	G, W	S	Formerly supplied Jones Ranch headquarters.
402	do	Continental Geophysical Co.	1966	695	--	--	3,798	254R	Feb. 10, 1966	N	N	Test hole, Elcor no. 5. Log shows soil and caliche to 35 feet; sandy clay, sand and gravel, 35-375 feet; and tan to white limestone 375-695 feet. ³
501	do	do	1966	442	--	--	3,782	236R	Feb. 11, 1966	N	N	Test hole, Elcor no. 2. Log shows soil and caliche to 20 feet; clay, sand and gravel, 20-400 feet; and tan limestone, 400-442 feet. ³
601	do	Woolfolk Engineering Co.	1968	1,421	--	Ec	4,587	1,051R 1,043R 1,043R	Jan. 1968 June 1969 Dec. 1973	T, E, 500	N	Owner's well no. 1. Drilled 1,421 feet, set 18-inch casing to 1,266 feet. Open hole 1,266-1,421 feet. Acidified with 17,500 gallons 28% HCl. Reported main water zone is dolomite with calcite crystals and vugs having good porosity. Reported tested at 396 gal/min for 27 hours in Jan. 1968.
602	do	do	1968	1,560	18	Ec	4,594	1,062R 1,068R 1,068R	Mar. 1968 July 1968 Dec. 1973	S, E, 500	N	Owner's well no. 3. Drilled 20-inch hole to 1,250 feet. Set 1,241 feet 18-inch casing, drilled 17-inch hole to 1,303 feet and 12-1/2-inch from 1,303-1,560 feet. Acidified with 20,000 gallons of 28% HCl. Reported drawdown of 87.8 feet, pumping 4,100 gal/min for 27 hours July 26-27, 1968; partial sample log; aquifer test data.
801	do	--	1969	--	--	P	3,873	340.7 341.68 341.99	Oct. 5, 1970 Mar. 3, 1972 Jan. 8, 1973	T, G	S	Drilled to supply water for construction of PN 2185. Converted to stock well.
802	do	Continental Geophysical Co.	1966	655	--	--	3,791	275R	Mar. 2, 1966	N	N	Test hole, Elcor no. 6. Log shows silt, clay, sand, and gravel to 300 feet; and tan, crystalline dolomite from 300-655 feet. ³
803	A. L. Stansberry	La Gloria Oil & Gas Co.	1956	3,255	--	--	3,830	--	--	--	--	Oil test, La Gloria Oil & Gas Co., A. L. Stansberry no. 1. Logs show alluvium to about 450 feet, and chert, lime, dolomite, and shale below; partial sample, gamma-ray, and neutron logs. ³
53-401	J. B. Porter	Humble Oil & Refining	1944	--	6	Ec	5,060	1,520R 1,570R	1960 1970	P, E, 10	S	Humble Oil & Refining Co. Reynolds Cattle Co. no. B-1. Drilled to 3,411 feet an oil test, plugged back and converted to water well. Bedrock (sandstone) at 90 feet. ³
701	do	--	1953	915	7	Ec	4,430	906R	1960	G, W	S	--

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Holston--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (FEET)	DIAMETER OF CASING (IN.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (FEET)	WATER LEVEL		METHOD OF LEFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (FEET)	DATE OF MEASUREMENT			
✓ PD-47-57-001	Tom Sawyer	--	1950's	257	10	Qta1	4,526	106.1	Oct. 7, 1972	C, E, 3/4	D, S	Discharged 6 gal/min 10-6-72.
402	do	--	old	--	4	Pe	4,673	--	--	C, W	S	Discharged 3 gal/min 10-4-72. Reported dependable supply and good quality.
403	do	--	1948	110	6	Qta1	4,526	106.2	Oct. 7, 1972	N	N	Well caved at 110 feet.
501	H. B. Mann	--	1940's	400	6	Pe	4,521	75.0	Nov. 28, 1972	C, W	S	--
502	Tom Sawyer	--	1940's	80	8	Pe	4,598	19.0	Dec. 14, 1972	C, W	S	Pumping 2-3 gal/min 12-14-72. Specific conductance, field test 550 umho/cm.
✓ 701	do	--	1940's	--	7	Qta1	4,470	48.5	Oct. 4, 1972	C, G	D, S	Pumping 4 gal/min 10-4-72.
702	do	--	1940's	84	10	Qta1	4,472	46.3	do	C, W	S	Pumping 2 gal/min 10-4-72.
703	do	--	1940's	180	6	Pe	4,560	47.7	do	C, W	D, S	Pumping 2 gal/min 10-4-72.
801	do	--	1940's	160	6	Pe	4,578	29.9	do	C, W	S	Pumping 2 gal/min 10-4-72.
802	do	--	1890's	6	6	Pe	4,623	F	Oct. 5, 1972	C, W	S	Called "Sammons Spring" well. Flowing an estimated 4 gal/min over top of casing 10-5-72. Total flow from well and nearby seeps 32 gal/min.
803	Mrs. H. B. Mann	--	1940's	335	6	Pe	4,380	51.4	Nov. 29, 1972	C, W	S	--
HL-47-57-901	do	--	1942	625	5	Qta1	4,142	500+	Nov. 17, 1972	S, E, 3	D, S	Discharging 12-15 gal/min in 1972. Specific conductance, field test 800 umho/cm. Temperature 82°F, 28°C.
PD-47-57-902	do	--	1940	200	6	Qta1, Pe	4,364	40.7	Nov. 28, 1972	C, W	S	Called "Palo Blanco" well. Pumping 5 gal/min 11-28-72. Specific conductance, field test 700 umho/cm.
HL-47-57-903	Texas Highway Dept.	--	1936	80	48	Pe	4,325	69.6 70.2	July 30, 1943 Dec. 12, 1972	N	N	Originally mine shaft; dug hole 4-feet in diameter to 80 feet. Converted to water well. Set 36-inch casing to 12 feet, open hole 12-80 feet. Supplied water for roadside park. Not used in 1972.
✓ 904	W. H. McVay	--	1930's	87	6	Pe	4,260	37.2	Dec. 13, 1972	C, W	S	Pumping 3 gal/min 12-13-72.
58-301	Howard C. Chapman	Wheeler Cass	1960	904	16	Qta1	3,833	284.1 291.1 292.7	Feb. 9, 1961 June 5, 1970 Dec. 20, 1972	N	N	Owner's well no. 5. Set 16-inch blank casing to 700 feet and 12-inch slotted casing 700-904 feet. Log shows alluvium to total depth. 3
302	do	Ralph Bradley	1960	722	14	Qta1	3,894	355.6	Mar. 9, 1972	T, G	S	Owner's well no. 2. Drilled for irrigation--used only for stock supply in 1972. Drilled 20-inch hole to 722 feet. Set 14-inch casing with 232 feet of perforation. Gravel packed. 3
303	do	do	1960	740	14	Qta1	3,880	339.6	do	N	N	Owner's well no. 3. Perforated 290 feet of casing. 3
304	do	do	1960	700	14	Qta1	3,870	328.1	do	N	N	Owner's well no. 4. Perforated 250 feet of casing. 3
501	City of Van Horn	L. W. Stratton	1958	600	12	Qta1	4,045	472R	1958	N	N	Old city well no. 3. Casing collapsed. Well was abandoned in 1970. 3
502	do	R. A. Foster	1970	603	12	Qta1	4,045	--	--	T, E, 100	P	New city well no. 3 (courthouse well). Set and cemented 24-inch casing to 50 feet, set 12-3/4-inch to 603 feet. Slotted 303-603 feet, gravel packed. Reported 85 feet of drawdown pumping 450 gal/min for 24 hours in 1970. 3

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
HL-47-58-503	City of Van Horn	--	1931	602	12	Q ¹ a1	4,055	490R 504.8	May Oct. 4, 1973	S, E	P	City well no. 1 (office well). Casing slotted 524-589 feet. Reported drawdown of 23 feet, pumping 172 gal/min in 1973; aquifer test data.
504	do	Layne Texas Co.	1948	588	12	Q ¹ a1	4,058	490R 505.6	Aug. Oct. 3, 1973	N	N	Old city well no. 2 (Thriff well), drilled to 625 feet. Set 12-3/4-inch casing to 496 feet and cemented with 250 sacks. Set 10-3/4-inch from 471-588 feet, slotted 497-588 feet. Reported pumped 130 gal/min in 1972. Pump pulled and abandoned in 1972. Replaced by well HL-47-58-506 60 feet SE in 1973. Measured drawdown of 2.5 feet with well HL-47-58-506 pumping 500 gal/min for 40 minutes 10-3-73. ³
505	do	Dixon Pump & Equipment Co.	1964	775	12	Q ¹ a1	4,033	474R 477.8	1964 Dec. 18, 1972	S, E	P	City well no. 4 (Sanchez well), set and cemented 18-inch casing to 350 feet. Set 12-3/4-inch to 627 feet, and 10-3/4-inch from 615-704 feet. Slotted casing from 525-704 feet. Set 585 feet 6-inch column pipe. Reported 56 feet drawdown pumping 570 gal/min for 12 hours in 1964. ³
506	do	Big Three Machine & Supply, Inc.	1973	808	14	Q ¹ a1	4,058	503	June 23, 1973	T, E, 100	P	New city well no. 2 (Thriff well), driller reported hard rock at 810 feet. Set 14-inch casing to 808 feet, slotted 481-541 feet, 556-617 feet, 632-692 feet, and 707-798 feet. Total slotted interval 272 feet, gravel packed with 37 yards. Set 650 feet of 8-inch column pipe and 15 stages of 8-inch bowls. Water level recovered 22.5 feet in 8 days after pumping 442 gal/min in June 1973. Reported 27 feet drawdown pumping 530 gal/min intermittently in Sept. 1973. ³
601	Howard C. Chapman	Ralph Bradley	1960	726	14	Q ¹ a1	3,905	364.85 365.21 364.49	June 5, 1960 Mar. 9, 1972 Dec. 4, 1972	N	N	Drilled 20-inch hole, set 14-inch casing with 241 feet of perforations, gravel packed. Reported tested at 950 gal/min. Texas Water Development Board water-level observation well. ³
602	Gorman Welch	Omer & Cook Drilling Co.	1972	648	14	Q ¹ a1	3,925	388R 388.8	Mar. Sept. 19, 1973	T, G	Ind, Irr	Drilled to 442 feet by owner, deepened to 648 feet by Cook Drilling Co. Reamed to 20-inch hole, set 648 feet 14-inch casing, slotted 385-248 feet, packed annulus with 35 yards of gravel. Set 480 feet 6-inch column pipe and 22 stages of 6-inch bowls. Reported drawdown of 20 feet pumping 550 gal/min for 24 hours in 1972. Drawdown of 602 feet pumping 220 gal/min for 12 hours 6-13-74. Used for highway construction and irrigation.
603	Culberson County Airport	Xana Corp.	1974	--	--	--	3,915	--	--	N	N	U.S. Geological Survey Culberson County Airport no. 1 water test hole. Drilled clay, sand, and gravel from surface to 1,145 feet; well cemented conglomerate (base of alluvial fill) 1,145-1,205 feet; and poorly to well cemented sandstone 1,265-1,306 feet (cretaceous Cox Formation). Progressively plugged back and jetted water samples from intervals 1,083-1,115 feet, 1,205-1,237 feet, and 532-584 feet. Partial sample, electric, caliper, drill-time, and radioactive logs.
701	W. A. Farmer	Stratton & Farmer	1959	572	16	Q ¹ a1	3,998	--	--	T, E, 75	Irr	Drilled to 1,500 feet, reported alluvium to 1,200 feet, hard rock and mica from 1,200-1,500 feet. Plugged back and set casing to 572 feet, perforated 380-572 feet. Reported weak well.
702	do	Jim Barrow	1969	600	14	Q ¹ a1	4,002	445.9 446.9	Mar. 7, 1972 Jan. 10, 1973	T, E, 40	Irr	West well of two. Fills fishing pond and irrigates orchard. Reported pumped 3 inches of water out of 4-inch pipe.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Holson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF MEASUREMENT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW DATUM (ft.)	DATE OF MEASUREMENT			
III-47-58-703	Mrs. H. B. Mann	Cook Drilling Co.	1972	725	10	QTal	4,140	559.6 563.5	Nov. 17, 1972 Sept. 19, 1973	N	N	Drilled to supply water for highway construction. Reported insufficient yield. ³
901	Dr. B. C. Lipsey	R. A. Foster	1960	327	6	QTal?	3,875	141R 133R	1960 1967	S, E	D	Reported drilled 2 feet into hard brown rock, perforated casing 14.5-327 feet. Set pump at 160 feet, discharges 20-25 gal/min.
902	do	do	1956	435	17	QTal	3,882	330R 341.1	1956 Jan. 23, 1970	T, G	N	Casing perforated 330-430 feet, set 360 feet 6-inch column pipe. Reported pumped 600 gal/min in 1960, not used since 1961. Texas Water Development Board water-level observation well.
59-101	C. C. Brookshier	--	1952	625	16	QTal	3,766	212.96 224.19 244.43	Jan. 29, 1953 Feb. 10, 1962 Dec. 4, 1972	T, Ng	Irr	Casing perforated 425-625 feet. Discharged 380, 575, and 570 gal/min 8-10-66, 7-18-67, and 4-30-68, respectively. Texas Water Development Board water-level observation well.
102	J. W. (Dub) Wooten	Brewster Bros.	1960	542	16	QTal, K	3,787	244.0 238.2	May 4, 1961 Dec. 12, 1972	T, Ng	Irr	Casing perforated 240-511 feet in alluvium. Open hole 311-542 feet in limestone. Discharge of 41 feet pumping 1,100 gal/min for 13 days in May 1961; gamma-ray and neutron logs, aquifer-test data.
103	H. & M. H. Hall	L. W. Stratton	1950	950	--	QTal, K	3,793	238.1	Jan. 27, 1953	N	N	Drilled for irrigation, casing pulled in 1956. Log shows shale, sand, and gravel to 558 feet; hard and 538-598 feet; and varicolored shale and lime 598-950 feet. ³
104	C. C. Brookshier	do	1952	660	16	QTal	3,773	221.27 231.78 233.79 240.68	Jan. 27, 1953 Jan. 6, 1963 Feb. 4, 1972 Dec. 21, 1972	T, Ng	Irr	Casing perforated 460-660 feet. Discharged 1,150 and 720 gal/min 7-18-67 and 4-30-68, respectively. Texas Water Development Board water-level observation well.
105	do	--	--	615	16	QTal	3,767	213.96 223.82 232.22	Jan. 29, 1953 Feb. 3, 1961 Dec. 21, 1972	N	N	Casing perforated 415-615 feet. Former Texas Water Development Board water-level observation well. ²
106	A. F. Walker	--	--	--	14	QTal	3,752	198.35 216.07 220.88	Jan. 27, 1953 Feb. 6, 1963 Mar. 21, 1972	N	N	Discharged 644 gal/min 7-18-67. Texas Water Development Board water-level observation well.
107	C. C. Brookshier	H. E. Stanton	1970	600	16	QTal	3,767	218.82 226.03 236.13	Jan. 24, 1954 Jan. 15, 1958 Dec. 21, 1972	T, Ng	Irr	Replaced well 567 feet deep at this location in 1970. Water levels measured prior to 1970 are in old well. Discharged 460 gal/min 4-19-73. Former Texas Water Development Board water-level observation well. ³
108	Lee Talley	--	--	500	16	QTal	3,762	229.4 227.6	Mar. 22, 1972 Dec. 22, 1972	T, Ng	Irr	Reported 28 feet of drawdown pumping a full 10-inch pipe.
109	do	Brewster Bros.	1960	536	16	QTal	3,775	234.5 241.8 241.1	Feb. 10, 1961 Mar. 21, 1972 Dec. 12, 1972	N	N	Casing perforated 240-536 feet. Reported limestone at 536 feet.
110	C. C. Brookshier	-Genslin	1916	1,200	10	QTal	3,780	--	--	G, E, 1	D	Drilled to test supply for irrigation and for construction of a proposed railroad from Van Horn north to New Mexico. Reported water sands at 200 and 800 feet, no additional water in drilling to 1,200 feet. Casing perforated 160-521 feet.
111	J. W. (Dub) Wooten	Brewster Bros.	1967	544	16	QTal	3,788	354.0	Dec. 22, 1972	T, Ng	Irr	
112	Lee Talley	--	--	600	14	QTal	3,757	224.0	Mar. 22, 1972	T, Ng	Irr	
113	Jess Tabor	-Walker	1951	490	16	QTal	3,756	222.0	Dec. 21, 1972	T, Ng	Irr	Formerly state well no. III-47-51-707, casing perforated 100-475 feet. Discharged 500, 673, and 860 gal/min 8-10-66, 7-18-67, and 4-30-68, respectively.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
HL-47-59-114	P. S. Hall	--	--	587	16	QTal	3,783	250.4	Dec. 23, 1972	N	N	Unused irrigation well; gamma-ray and temperature logs. <u>3</u>
<u>1/</u> 201	do	L. W. Stratton	1951	552	16	QTal, K?	3,775	221.39 230.69 236.57	Jan. 24, 1954 May 17, 1961 Dec. 22, 1972	T, Ng	Irr	Log shows shale, sand, and gravel to 527 feet; blue shale (cretaceous?) from 527-552 feet. Drawdown of 66 feet pumping 600 gal/min for 48 hours in June 1961. Discharged 520 gal/min 5-12-60 and 530 gal/min 4-30-68. Aquifer-test data. Texas Water Development Board water-level observation well. <u>3</u>
<u>1/</u> 202	F. L. Dahlstrom	do	1950	500	6	QTal, K?	3,774	220.00 226.23	Mar. 3, 1951 Jan. 15, 1958	N	N	Destroyed stock well. Former Texas Water Development Board water-level observation well. <u>3</u>
<u>1/</u> 203	Stephens & Hall	--	1950	550	16	QTal, K?	3,775	218.91 231.99 240.92	May 11, 1950 Feb. 9, 1962 Dec. 22, 1972	T, Ng	Irr	Texas Water Development Board water-level observation well. <u>2</u>
<u>1/</u> 204	Wildhorse Farms	--	--	--	--	QTal, K?	3,772	212.02 220.70	May 11, 1950 Jan. 23, 1956	T, Ng	Irr, P, S	Headquarters well, owner's no. 23. Discharged 518 gal/min 9-12-51. Combined discharge of this well and well 47-59-211 was 1,530 gal/min 4-19-73. Former Texas Water Development Board water-level observation well.
205	do	Foster & Lancaster	1952	550	16	QTal, K?	3,773	227.37 233.90	Jan. 27, 1960 Jan. 27, 1965	T, Ng	N	Owner's well no. 22. Casing perforated 235-245 feet and 340-356 feet. Former Texas Water Development Board water-level observation well.
206	P. S. Hall	--	1951	599	16	QTal, K?	3,786	230.96 245.26 252.88	Mar. 3, 1951 Feb. 6, 1963 Dec. 22, 1973	S, E	D	Drilled for irrigation. Converted to domestic supply. Reported blue shale 552-562 feet and limestone 562-599 feet. Texas Water Development Board water-level observation well.
<u>1/</u> 207	do	--	1950	550	16	QTal, K?	3,778	243.3	Dec. 22, 1972	T, Ng	Irr	--
<u>1/</u> 208	Wildhorse Farms	--	--	406	16	QTal, K?	3,757	218.08 221.97	Jan. 19, 1967 Dec. 22, 1972	N	N	Texas Water Development Board water-level observation well. Discharged 683 and 610 gal/min 7-18-67, 4-30-68.
<u>1/</u> 209	Southwest Land Corp.	Big Three Machine & Supply, Inc.	1971	612	12	K	3,790	260R	Nov. 1971	S, E 20	P, S, Irr	Supplies headquarters, fills fishing pond, and irrigates gardens. Log shows clay, sand, and gravel to 235 feet; yellow to purple clay, brown lime, white sand, rock, and gravel from 235-612 feet. Set 12-3/4-inch casing to 612 feet, perforated 412-612 feet. Set 380 feet 3-inch column pipe. Reported pumped 130 gal/min with 40 psi (92.4 feet) pressure at 380 feet. Drawdown of 27.6 feet. <u>3</u>
<u>1/</u> 210	P. S. Hall	--	--	--	14	QTal, K?	3,772	--	--	T, Ng	Irr	Estimated discharge 500 gal/min 7-18-67.
<u>1/</u> 211	Wildhorse Farms	--	--	--	14	QTal, K?	3,766	--	--	T, Ng	Irr	Owner's well no. 24.
<u>1/</u> 212	do	--	1952	387	16	QTal, K?	3,762	205.1 226.8	Mar. 8, 1952 Dec. 22, 1972	T, N	N	Owner's well no. 25.
213	do	--	--	462	16	K	3,784	249.8	Mar. 22, 1972	N	N	Formerly State well no. HL-47-59-307; unused irrigation well, owner's no. 31. Electric and gamma-ray logs; top of limestone estimated from gamma-ray log at 248 feet.
214	Hugh Wolfe	Aztec Explor. Co.	1969	500	N	--	3,792	255R	Mar. 1969	N	N	Owner's test hole no. 1. Base of alluvium estimated from sample log at 460 feet.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE OR BELOW DATUM (ft.)	DATE OF MEASUREMENT			
1/ HL-47-59-301	D. H. Brewster	L. W. Stratton	1950	410	16	QTal, K?	3,774	218.34 233.44 242.08	Mar. 3, 1951 Feb. 10, 1962 Mar. 23, 1972	N	N	Texas Water Development Board water-level observation well. ^{2/}
302	do	R. A. Foster	1953	500	16	QTal, K?	3,792	238.90 230.60 236.38	Jan. 22, 1955 Jan. 1, 1965 Dec. 12, 1972	T, Ng	Irr	Discharged 680, 741, and 650 gal/min 8-10-66, 7-18-67, and 4-30-68, respectively. Texas Water Development Board water-level observation well.
303	W. H. & J. A. Neasmith	--	--	500	14	QTal, K?	3,781	--	--	T, Ng	Irr	Discharged 430 gal/min 4-30-68.
304	F. I. Dahlstrom	--	--	--	--	QTal, K?	3,787	231.34	Mar. 3, 1951	N	N	Drilled for irrigation; destroyed. Former Texas Water Development Board water-level observation well.
305	Wildhorse Farms	--	1960	630	16	QTal, K	3,781	236.5 230.2	May 29, 1961 Dec. 22, 1972	T, Ng	Irr	Owner's well no. 29. Drilled to 860 feet, plugged back to 630 feet. Discharged 825 and 698 gal/min 8-10-66 and 7-18-67. Installed 10-inch pump. Reported discharge 1,330 gal/min in 1972; measured discharge 1,150 gal/min 4-19-73.
306	D. H. Brewster	R. A. Foster	1952	500	14	QTal, K?	3,789	256.2 236.1	Mar. 23, 1972 Dec. 22, 1972	T, Ng	D, S, Irr	Estimated discharges: 900 gal/min 8-10-66; 700 gal/min 7-18-67; and 800 gal/min 4-30-68.
307	W. H. Seale	Fred Scroggins	1955	485	16	QTal, K	3,776	242.7 242.3	Mar. 23, 1972 Dec. 12, 1972	T, N	N	Log shows shale, sand, and gravel to 455 feet. Hard conglomerate 455-485 feet. Lost circulation in rock crevice at 480 feet. Pumping test by farmer's supply co. 7-63; breakdown of 75 feet pumping 907 gal/min for 12 hours. ^{3/}
308	D. H. Brewster	R. A. Foster	1953	500	16	QTal, K?	3,785	250.1 232.2	Mar. 23, 1972 Dec. 22, 1972	T, Ng	Irr	--
309	W. H. Seale Est.	--	1951	514	16	QTal, K?	3,777	244.8	do	T, Ng	D, S, Irr	Discharged 680 gal/min 3-23-72.
310	do	--	--	381	16	QTal, K	3,775	240	July 13, 1972	N	N	Gamma-ray and temperature logs. Base of alluvium estimated from gamma-ray log at 340 feet.
311	Hugh O. Wolfe	Astec Drilling Co.	1969	520	N	K?	3,807	275R	Mar. 1969	N	N	Test hole Wolfe no. 3-A. Sample log indicates clay, sand, and gravel to 220 feet; yellow sandstone, clay, and sandy limestone (cretaceous) 220-290 feet; and clay, sand, and gravel 290 to 510 feet.
312	Heulah Espy	West Texas Explor. Co.	1972	290	N	--	3,782	250R	July 1972	N	N	Test hole Amesley no. 3. Sample log indicates clay, sand, and gravel to 277 feet. Hard brown to tan dense limestone (Permian or cretaceous) from 277-290 feet. ^{3/}
313	Phil Rolston	--	1954	600	16	QTal, K?	3,814	277R	Mar. 1969	S, E, 10	Irr, D	Irrigates nursery stock and supplies trailer house. Reported 150 gal/min maximum yield.
314	do	--	--	550	16	QTal, K?	3,811	269R 270.4	Mar. 1969 Jan. 9, 1973	N	N	Reported tested at 50 gal/min, maximum yield.
315	San Marc. Corp.	--	--	325	14	K	3,805	274R	Mar. 1969	T, E	Irr	Reported started irrigating 4,940 pecan trees with drip system in 1974. Well pumping fine sand and pieces of sandstone (cretaceous, Cox Formation).
401	Milwhite Inc.	Wheeler Cass	1960	400	8	K	3,905	360R	1960	S, E, 3	Ind	Supplies office and drinking water at talc processing plant. Log shows caliche, clay, and gravel to 330 feet; yellow sandstone (cretaceous) from 330-400 feet. Casing perforated 330-400 feet, reported discharge 25 gal/min. ^{3/}

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASTING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	ABOVE (+) OR BELOW SURFACE DATUM (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
									DATE OF MEASUREMENT	MEASUREMENT			
HL-47-59-402	R. B. Durrill	R. A. Foster	1962	470	8	QTz, K?	3,832	294R	July	1960	S, E, 10	S	Casing, 16-inch to 20 feet; 8-inch, surface to 470 feet. Slotted 294-470 feet; reported pump 85 gal/min. ³ Reported top of limestone at 300 feet.
501	University Lands	--	--	700	6	K	3,805	269R 270.4 272.6	Mar. Feb. Jan.	1968 1971 1973	N	N	Test hole Wolfe no. 2. Sample log. Supplies water for construction of Interstate 10. Drilled to 609 feet, set 10-inch casing with perforations from 359-609 feet. Reported deepened to 681 feet with no increase in water. Acidified hole. Set 650 feet 8-inch column pipe and 21 stages of 8-inch bowls. Discharged 520 gal/min 12-15-72. Logs shows clay, sand and gravel to 203 feet. Limestone and shale 203-681 feet. Water from honeycomb line, 438-440 feet. ³
502	Hugh Wolfe	Aztec Drilling Co.	1969	468	N	QTz, K	3,792	249R	Mar.	1969	N	N	Test hole Wolfe no. 2. Sample log.
503	Texas Highway Dept.	Cook Drilling Co.	1972	681	10	K, P?	3,880	--	--	--	T, G	Ind	Formerly supplied roadside park. Destroyed for construction of Interstate 10.
601	Hugh Wolfe	--	old	--	6	QTz	3,821	279.0	Feb.	18, 1971	C, W	S	Casing: 6-5/8-inch to 354 feet, slotted 316-354 feet. Set 365 feet 2-inch column pipe. Reported drawdown of 2 feet pumping 255 gal/min for 2 hours when drilled. Designed pumping rate 3-3/4 gal/min. Log shows soil, calciche, gravel, and red sandy diatom to 285 feet. Yellow to white shale and soft sand rock (cretaceous) 285-341 feet. ³
602	University Lands (John Harper)	--	old	336	7	K	3,866	325R 329.1	Feb. Feb.	1968 18, 1971	N	N	Test hole Wolfe no. 4. Sample log indicates clay, sand, and gravel to total depth.
603	do	R. A. Foster	1971	354	6	K	3,850	316R	June	1971	C, E	S	Test hole Wolfe no. 3. Sample log indicates clay, sand, and gravel to 170 feet; tan to white, siliceous limestone (cretaceous?) 170-200 feet.
604	Hugh Wolfe	Aztec Drilling Co.	1969	680	N	QTz	3,823	275R	Mar.	1969	N	N	Called "Canyon" well.
605	do	do	1969	210	N	--	3,811	--	--	--	N	N	Partial sample log indicates sand and gravel with minor amounts of clay from 565-766 feet; white, pink, and brown limestone 766-797 feet. Reported hole full of water at 1,022 feet.
901	Albert Ivy	-Payne	1936	700	5	P	4,103	--	--	--	C, G	S	Test hole Wolfe no. 7. Sample log indicates alluvium to 850 feet; white to yellow, sandy limestone (cretaceous) 850-870 feet.
60-101	M. & M. Stansberry	Duncan Sartain	1964	1,601	N	--	3,835	--	--	--	N	N	Test hole Wolfe no. 6. Sample log indicates alluvium to total depth.
102	Hugh Wolfe	Aztec Drilling Co.	1969	870	N	--	3,820	--	--	--	N	N	Test hole Amesley no. 2. Sample log indicates clay, sand, and gravel to 300 feet; purple, yellow to gray, sandy, bentonitic clay with chert gravel 300-310 feet; and brown to gray, siliceous limestone and chert, 310-340 feet. Electric and gamma-ray logs.
103	do	do	1969	900	N	QTz	3,808	259R	Apr.	1969	N	N	Test hole Amesley no. 1. Sample log indicates clay, sand, and gravel to 300 feet; purple, yellow to gray, sandy, bentonitic clay with chert gravel 300-310 feet; and brown to gray, siliceous limestone and chert, 310-340 feet. Electric and gamma-ray logs.
104	Beulah Gspy	West Texas Exploration Co.	1972	364	N	--	3,792	--	--	--	N	N	Test hole Amesley no. 2. Sample log indicates clay, sand, and gravel to 300 feet; purple, yellow to gray, sandy, bentonitic clay with chert gravel 300-310 feet; and brown to gray, siliceous limestone and chert, 310-340 feet. Electric and gamma-ray logs.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Holson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW (-) DATUM (ft.)	DATE OF MEASUREMENT			
HL-47-60-201	Hugh Wolfe	Aztec Drilling Co.	1969	300	N	--	3,881	--	--	N	N	Test hole Wolfe no. 8. Sample log indicates sand and gravel to 140 feet. Yellow argillaceous marl, white to yellow sandy limestone, and gray to black bentonitic clay 140-300 feet.
202	J. O. Barfield	S. P. Williams, et al	1942	1,506	6	K7	3,874	320R 338.3 339.3	1942 Feb. 18, 1971 Jan. 9, 1973	N	N	Oil test S. P. Williams et al, J. O. Barfield no. 1. Converted to stock well. Unused in 1973. Log shows sand, yellow and red shale, and small amount of gravel to 560 feet. Mostly brown to gray lime with sand and shale stringers and minor amounts of anhydrite from 360-1,506 feet. ²
401	Evergreen Farms	--	old	360	6	Q7a1	3,882	340	1968	C, E	S	--
402	Lewis Bernat	--	1960's	517	16	Q7a1	3,837	290.0 291.8	July 18, 1971 Jan. 9, 1973	N	N	Unused irrigation well.
403	do	--	1960's	607	16	Q7a1	3,839	293.9 295.6	Feb. 18, 1971 Jan. 9, 1973	N	N	Do.
404	do	Bippy Taylor	1970	620	16	Q7a1	3,883	344R 345.95 349.65 352.74	Apr. 1970 Feb. 19, 1971 Dec. 11, 1972 Nov. 12, 1973	T, Ng	Irr	Owner's test hole and well no. 1. Casing perforated 350-592 feet. Set 580 feet 10-inch column pipe. Reported drawdown of 175 feet pumping 1,120 gal/min for 24 hours
405	do	do	1970	400	N	Q7a1	3,873	333.0 335.9	Jan. 23, 1971 Dec. 11, 1972	N	N	Owner's test hole no. 3. Destroyed. Log shows clay, sand and gravel to 370 feet, hard sandy limestone (cretaceous?) 370-400 feet. ³
406	Hugh Wolfe	Aztec Drilling Co.	1969	839	N	Q7a1	3,831	285R	Mar. 1969	N	N	Owner's test hole no. 5. Sample log indicates clay, sand, and gravel to 839 feet. Hard rock reported at 839 feet.
407	do	do	1969	815	N	Q7a1	3,859	310R	do	N	N	Owner's test hole no. 9. Sample log indicates clay, sand, and gravel to total depth.
408	Stuckey's, Inc.	L. W. Hoskins	1973	450	8	Q7a1	3,865	322.2	Sept. 30, 1973	N	N	Reported drilled to supply pecan shoppe and gas station at this location.
409	Evergreen Farms	Bippy Taylor	1973	614	14	Q7a1	3,858	--	--	N	N	Owner's well no. 15. Casing perforated 360-614 feet. Will be used for irrigation.
601	George Walker	R. A. Foster	1967	600	8	P	4,042	500R	Feb. 1973	S, E, 7	b	Supplies house and service station. Perforated below 505 feet, pump set at 595 feet. Log shows caliche to 3 feet, white sand rock 3-146 feet, brown shale 146-232 feet, and brown, gray, and white limestone 232-600 feet. Reported water from cracks in lime 587-595 feet. Reported drawdown of 85 feet pumping 25 gal/min for 8 hours in 1967. ³
602	Shelby Brooks	West Coast Oil Co.	1932	817	7	PF	3,990	--	--	C, W	S	Oil test West Coast Oil Co., McGregor no. 1. Converted to stock well.
603	George Walker	--	1942	600	6	P	4,049	--	--	C, E	S	Reported weak well and bippy water.
701	Evergreen Farms	Bippy Taylor	1970	660	16	Q7a1	3,898	367R 365.9	Nov. 1970 Feb. 23, 1971	T, Ng	Irr	Owner's test hole and well no. 2. Log shows alluvium to total depth. Casing slotted 350-655 feet, set 600 feet 10-inch column pipe. Reported drawdowns of 160 feet pumping 2,200 gal/min and 93 feet pumping 1,500 gal/min for 24 hours. ³
702	do	--	old	400	7	Q7a1	3,916	379.4	do	C, E, 2	D	--

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL ABOVE (or BELOW) SURFACE DATUM (ft.)	DATE OF MEASUREMENT	METHOD OF LIPT	USE OF WATER	REMARKS
HL-47-60-703	Evergreen Farms	Bippy Taylor	1971	640	16	Q1a1	3,893	355R 359.1 365.2	Dec. 1971 Dec. 11, 1972 Nov. 13, 1973	T, Ng	Irr	Omer's test hole and well no. 7. Drilled 24-inch hole, set 640 feet 16-inch casing, slotted 380-640 feet. Packed with 3/4-inch gravel. Set 600 feet 8-inch column pipe and 10 stages of 8-inch bowls. Reported discharge 900 gal/min. Log shows clay, sand, and gravel to total depth. ³
704	do	do	1973	670	16	Q1a1	3,885	358.2	Nov. 13, 1973	T, Ng	Irr	Omer's test hole and well no. 10. Casing slotted 360-670 feet, gravel packed. Reported tested at 1,100 gal/min when drilled.
705	do	do	1973	640	16	Q1a1	3,873	360.4	Sept. 20, 1973	T, Ng	Irr	Omer's test hole and well no. 12. Casing slotted 340-640 feet, gravel packed. Reported alluvium to total depth.
706	do	do	1973	605	14	Q1a1	3,873	340.2	Nov. 12, 1973	T, Ng	Irr	Omer's test hole and well no. 13. Casing slotted 355-605 feet. Reported alluvium to total depth.
707	do	do	1973	560	12	Q1a1	3,905	386.0	Sept. 20, 1973	T, E, 75	D	Omer's test hole and well no. 11. Casing slotted 360-560 feet. Set 500 feet 6-inch column pipe. Supplies shop, vegetable processing plant, and tenant houses.
708	do	do	1973	614	14	Q1a1	3,885	365.1	do	T, Ng	Irr	Omer's test hole and well no. 14. Casing slotted 375-614. Gravel packed. Reported alluvium to total depth.
801	do	do	1970	640	16	Q1a1, K?	3,905	371.3	Feb. 11, 1972	T, Ng	Irr	Omer's test hole and well no. 4. Drilled 24-inch hole, set slotted casing 380-640 feet, gravel packed. Log shows shale, sand, and gravel to 620 feet, hard sandstone (cretaceous?) 620-640 feet. Reported strongest well on farm. ³
802	do	do	1970	533	N	Q1a1	3,912	370.3	Feb. 23, 1971	N	N	Omer's test hole no. 5. Reported insufficient supply for irrigation. Log shows alluvium to total depth. ³
803	do	do	1971	645	16	Q1a1, K?	3,908	374.24 376.03	Dec. 11, 1972 Nov. 12, 1973	N	N	Omer's test hole no. 6. Drilled 24-inch hole, set slotted casing 357-627 feet, left open hole 627-665 feet; gravel packed. Reported maximum yield was 600 gal/min. Log shows shale, sand, and gravel to 665 feet. Hard sandstone, rock, tight sand and shale (cretaceous?) 465-665 feet. ³
901	Cameron Lumber Co.	Quito Oil Co.	1941	945	--	--	4,077	--	--	--	--	Oil test Quito Oil Co., Cameron Lumber Co. no. 1. Reported water at 550 feet (battled 2 barrels per hour); water from interval 603-657 feet (water level rose to 550 feet); and water at 894 feet.
J/ 61-401	Reynolds Cattle Co.	Gesslin	1908	577	6	P	4,085	550R 550R	Dec. 1943 Dec. 15, 1962	C, W	S	Called "deep" well. Reported drilled to 600 feet, cleaned out to 577 feet by L. W. Stratton in 1962. Water from "rotten" places in limestone. Set 568 feet 2-inch column pipe.
402	do	--	old	778	5	P	4,218	670R	Oct. 4, 1963	C, W	N	Cleaned out to 778 feet by L. W. Stratton in 1963. Abandoned and replaced by HL-47-61-403 in 1969.
J/ 403	do	R. A. Foster	1969	740	6	P	4,218	691R	Mar. 1, 1969	C, W	S	Log shows boulders to 2 feet; white, gray, and brown limestone, yellow and black shale, and white sandstone 2-395 feet; bedrock. Red shale 395-731 feet, and hard gray limestone 731-740 feet. ³
J/ PD-48-08-405	C & L Ranch	J. S. Gates	1975	12.5	--	Qa1	3,616	3.2	Oct. 30, 1975	N	N	U. S. Geological Survey auger hole on salt flats.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Holson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
PD-48-08-601	James Lynch	Pure Oil Co.	1948	907	--	--	3,640	--	--	--	--	Pure Oil Co. Chandler no. 1, core-test no. 6, Hudspeth County, approximate location, bedrock (dolomite) at 798 feet, sample log.
901	Ed Hammack	do	1948	1,120	--	--	3,625	--	--	--	--	Pure Oil Co. Hammack no. 2, core-test no. 5, Hudspeth County, approximate location, bedrock at 890 feet, sample log.
902	do	do	1948	49	--	Qa1	3,636	21.9	Nov. 14, 1973	C, W	S	Well 98 in Texas Board Water Engineers Bull. 5004.
903	do	do	old	12	--	Qa1	3,626	10.5	Nov. 28, 1949	C, W	S	Well 99 in Texas Board Water Engineers Bull. 5004, poor water quality reported.
16-301	do	Pan-American Petroleum Corp.	1962	7,060	--	Pz	3,630	--	--	--	--	Oil test Pan American Petroleum Corp., Hammack no. 1, approximate location; water samples from drill-stem tests had 4,021 ppm dissolved solids, 1,220 ppm chloride and 1,030 ppm sulfate at 3,330-3,401 feet; 6,751 ppm dissolved solids, 1,035 ppm chloride, and 2,500 ppm sulfate at 4,330-4,410 feet; and 1,780 ppm dissolved solids, 340 ppm chloride and 720 ppm sulfate at 5,736-5,752 feet.
805	Guitar Trust	do	1957?	--	12	Qta1	3,625	22.5	Oct. 29, 1975	N	N	Unused stock well.
23-901	Wesley West	do	--	--	8	--	3,991	--	--	C, W	S	"Black Mountain" windmill.
24-701	do	do	--	38	--	Qa1	3,625	20R	1965	C, W	S	"Cottonwood" windmill.
202	do	do	--	--	6	--	3,666	75.4	June 5, 1973	C, W	S	"Craham" windmill.
203	Federal Aviation Agency	Layne-Texas	1960	535	8	Pbsvp	3,710	128.5	Oct. 28, 1975	T, E	D	Used by National Park Service for seasonal employees. Reported 200 gal/min in 1961; field specific conductance 1,900 umho/cm; electric and sonic logs available 220-550 feet.
401	Wesley West	do	--	362	8	Pbsvp	3,833	234R	1965	C, W	S	"Cavender" windmill, field specific conductance 2,650 umho/cm.
501	do	do	--	42	--	Qa1	3,638	39.3	Mar. 28, 1972	N	N	"Jim Hill" well.
502	do	R. A. Foster	1972	281	8, 6	Pbsvp	3,645	63R	Aug.	C, W	S	Field specific conductance of water in reservoir 2,700 umho/cm; perforated 84-92 feet, 266-275 feet.
601	do	do	--	--	6	--	3,629	31.9	Feb. 27, 1973	C, W	S	"Morrison" windmill, specific conductance of water in reservoir 2,750 umho/cm.
901	do	do	--	38	6	Qa1	3,621	17R	1965	N	N	"Pumpjack" windmill, poor water quality reported.
902	do	do	--	340	6	Pbsvp	3,750	160R	1965	C, W	S	"Flattop" windmill.
32-301	do	do	--	241	6	Qta1	3,638	39.1	Feb. 27, 1973	N	N	Well 40 feet west of abandoned "Little Habb" windmill.
601	do	do	--	73	6	Qta1	3,638	33.3	Mar. 29, 1972	C, W	N	"Babb" well.
602	do	do	1972	210	6, 9, 12	Pbsvp	3,755	123.0	May 30, 1973	N	N	--
45-601	Diamondhead Corp.	Lee Murphy Drilling Co.	1972	1,018	--	K	4,570	943R	May	N	N	Abandoned test hole no. 1 of Sierra Blanca Corp.; drilled to 480 feet and stuck drill pipe, moved 10 feet and completed hole. Bedrock (Limestone) at 100 feet, sandstone at 250 feet, shale at 820 feet, Limestone at 860 feet; sample log.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
PD-48-45-602	Diamondhead Corp.	Lee Murphy Drilling Co. & H. E. Stanton Drilling Co.	1972	1,060	14	K	4,570	943R 938R	May 16, 1972 Sept. 19, 1974	S, E	N	Owner's no. 1, unused public-supply well; 100 feet northeast of #601; originally drilled to 1,160 feet, cased to 1,060 feet; part of a pump lost in well, may be blocked at 1,010 feet. Bedrock (Limestone) at 115 feet, sandstone at 255 feet, shale at 800 feet, limestone at 930 feet. Cased to 930 feet, open hole below; temperature of water 79°F, specific capacity reported about 15 gal/min/ft while test pumping at 210 gal/min; radioactive logs. 3
603	do	Jack Gaffey	1974	1,096	14	K	4,589	945R 966R 961R	Mar. 26, 1974 June 1974 May 17, 1975	S, E	P	Owner's no. 2, originally drilled to 1,137 feet, filled with cement to 1,096 feet; perforated 917-1,096 feet. Bedrock (Limestone) at about 150 feet; reported specific capacity 15 gal/min/ft while test pumping at 500 gal/min; 510 gal/min production rate reported. Sample log to 580 feet, gamma-ray and caliper logs; temperature of water reported 78°F, 3
604	do	Paul Gooden & Marsh Farmer	1974	1,110	--	K	4,608	979R	July 26, 1974	N	N	Owner's no. 3; abandoned pilot hole for a public-supply well, uncased, caved.
901	do	H. H. Virdeil	1941	1,126	5	K	4,740	1,111±	Apr. 11, 1972	C, E, 5	S	"Ward Ranch" well; bedrock (volcanics) at 11 feet, sandstone at about 1,000 feet; 3 gal/min measured 4-11-72.
46-401	do	do	1950±	1,093	6	K	4,678	1,040	Mar. 23, 1972	C, E	P, S	"West" well; 7 gal/min measured 3-23-72; radioactive logs.
701	Jim Baylor	--	1948±	1,137	6	K?	4,600	1,120R	Mar. 29, 1972	C, E, 5	S	5-6 gal/min measured 3-29-72.
702	Sierra Blanca Corp.	Rex Leigh (Lee Murphy Drilling Co.)	1972	130	N	--	4,650	--	--	N	N	Owner's test hole no. 2, abandoned, 5-4-inch hole. 3
53-301	Diamondhead Corp.	--	1929	1,341	6	K	4,993	1,130R	--	C, E	D	"Blanca Mountain" well, O'Keefe Fee no. 1; sample log on p. 124, U.S. Geological Survey Prof. Paper 479, bedrock (Limestone) at 60 feet, 20 gal/min measured 3-15-72.
401	Ed Love	--	1893	175	5	T1?	4,737	148R	--	C, E	P	Railroad well at Lasca siding, supplies roadside park on Interstate 10; constructed in abandoned mine shaft, casing installed in 1946-50, field specific conductance 660 umho/cm.
402	do	Ed Love	--	90	46	T1 or Qa1	4,790	51.1	Apr. 13, 1972	N	N	"North" well, unused dug well with concrete casing; field specific conductance 600 umho/cm.
403	do	H. H. Virdeil	1959	200	8	T1 or Qa1	4,785	80E	do	C, E, 1	D	West of 2 wells; reported cased to 166 feet and open hole below, 18-20 gal/min measured 4-13-72; field specific conductance 670 umho/cm; owner reported water bearing strata at 80 and 175 feet.
501	W. "Billy" Holcum	T. H. Little (Layne & Bowler Co.)	1909	1,110	10	K?	4,656	369.7	Mar. 15, 1972	C, W	Ind	West well of 2 old Southern Pacific Railroad wells; cased to 481 feet, open hole below, 60 gal/min reported with a pumpjack; bedrock (Limestone) at 68 feet. 3
502	do	Layne & Bowler Co.	1910-12	531	--	K?	4,650	345E	Mar. 16, 1972	S, E	Ind	East well of 2 old Southern Pacific Railroad wells; radioactive logs; casing depth estimated at 330 feet from logs; depth estimated from logs.
503	Diamondhead Corp.	--	1910-12	645	7	K?	4,698	454R	do	N	N	Originally drilled to 750 feet; reported formerly yielded 2 gal/min of water of fair quality; gamma-ray log.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
PD-48-53-504	Diamondhead Corp.	Rex Leigh (Lee Murphy Drilling Co.)	1972	490	N	K?	4,643	4688	Mar. 23, 1972	N	N	Abandoned test hole 5 of Sierra Blanca Corp.; sample log.
801	D. R. Reeves & Leon Gossick, Rego Ranch	H. H. Virdeil	1965	181	5	K	4,719	159.7 175.7	Feb. 10, 1972 June 26, 1973	C, W	S	Yield reported 75 gal/min with 3 feet drawdown.
802	Hudspeth County Water Control & Improvement District No. 1	do	1970	286	8	K	4,695	154.7 176E 197E 223E	Feb. 3, 1972 July 20, 1973 Aug. 23, 1973 Oct. 30, 1973	S, E	P	Supply well for town of Sierra Blanca, owner's well no. 1; originally drilled to 184 feet, deepened in 1973, perforated 166-178 feet. Bedrock (Limestone) at 40 feet; original yield reported 100 gal/min with 17 feet drawdown; 20 gal/min reported 9-75; estimated water levels from airline measurements; gamma-ray and temperature logs to 181 feet. 3
803	do	R. Wayne Blair & R. A. Foster	1972	357	6	K	4,681	165.2 224E 242E	Feb. 10, 1972 July 17, 1973 Dec. 11, 1973	S, E, 45	P	Supply well for town of Sierra Blanca, owner's well no. 2; bedrock (Limestone) at 58 feet. Tested at 60 gal/min with 180 feet drawdown; 13 gal/min reported 9-75; estimated water levels from airline measurements; recovery-test data; gamma-ray and temperature logs. 3
804	do	H. H. Virdeil	1973	970	7	K	4,655	355.9 366E 372E	July 20, 1973 Nov. 19, 1973 Feb. 6, 1974	S, E	P	Supply well for town of Sierra Blanca, owner's well no. 3; bedrock (Limestone) at 70 feet; tested at about 40 gal/min with about 360 feet drawdown and at about 60 gal/min with about 540 feet drawdown; 40 gal/min reported 9-74. Radioactive, temperature, and fluid-resistivity logs. 3
805	do	do	1973	298	6	K	4,697	176.3 236.2 259.0	July 20, 1973 Dec. 11, 1973 June 21, 1974	N	N	Owner's no. 1A, drilled to replace owner's no. 1 but never used; perforated 188-191, 211-214, 231-234, and 254-257 feet; drawdown data from production test on owner's no. 1. 3
901	D. R. Reeves & Leon Gossick, Rego Ranch	--	--	--	5	K?	4,655	--	--	N	N	Reported low yield.
902	do	--	--	263	5	K	4,654	214.9	Feb. 9, 1972	C, W	S	1 gal/min estimated 2-9-72; field specific conductance 700 umho/cm, temperature 62°F.
56-201	Sierra Blanca Corp.	--	Before 1940	947	6	K	4,517	889.3	Mar. 30, 1972	C, E	S	"Williams" well; 20 gal/min measured 3-30-72; drawdown estimated 0.1 foot; radioactive logs.
202	do	Rex Leigh (Lee Murphy Drilling Co.)	1972	906	N	K	4,498	902E	do	N	N	Owner's abandoned test hole #6; sample log, bedrock (sandstone) at 190 feet. 3
401	Hudspeth County Water Control & Improvement District No. 1	C. W. Gooden	1957	1,102	7	K	4,595	963R	June 6, 1957	S, E, 30	P	Supply well for town of Sierra Blanca; perforated 1,010-1,100 ft; driller's log from 106 feet; original yield about 70 gal/min, drawdown reported about 100 feet; 45 gal/min reported 9-75. 3
402	Lolo Quintana	Burdeil & Brown	1939	950	6	K	4,540	920R	July 23, 1943	N	N	Formerly supplied motel; reported yield 12 gal/min; open hole 300-950 feet; bedrock reported at 500 feet; gamma-ray log to 435 feet.
403	Sierra Blanca Corp.	C. W. Gooden	1920's	764	8	K	4,552	--	--	N	N	Reportedly yielded 30 gal/min of poor-quality water; log no. 9 in U.S. Geological Survey Prof. Paper 479, p. 124.
404	Claude & Cynthia Hoover	McCraley	125	1,000	6	K	4,478	810E	Mar. 23, 1972	C, E, 20	S	North well of 2 wells; open hole 900-1,000 feet; 30 gal/min reported.
405	do	H. H. Virdeil	1942	957	6	K	4,478	807E	do	C, E, 15	S, Ind	South well of 2 wells; reported to be originally 1,000 feet deep, open hole 600-957 feet; 20 gal/min reported bedrock reported at 280 ft; radioactive logs.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ADUVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
PD-48-54-406	Southern Pacific Railroad	--	about 1910	1,100	10	K	4,488	850R	1910	N	N	Depth measured at 340 feet in 1972--caved; poor water quality reported.
407	Sierra Blanca Corp.	Rex Leigh (Lee Murphy Drilling Co.)	1972	296	N	--	4,475	--	--	N	N	Owner's abandoned test hole no. 4; not drilled to water table; sample log, bedrock (sandstone) at 274 feet. ³
408	Gene Wells	H. H. Virdehl	1951	988	6	--	4,580	--	--	N	N	Reported as dry hole but may not have reached water table; gamma-ray log.
501	Sierra Blanca Corp.	Rex Leigh (Lee Murphy Drilling Co.)	1972	1,177	2	K	4,445	--	--	N	N	Owner's test hole no. 3; perforated 1,117-1,177 feet; completed as an observation well but apparently perforations plugged; sample log, bedrock (sandstone) at 472 feet; radioactive logs. ³
502	Clyde Fields Est.	Wright M. Homack	1953	950	6	K	4,408	780.6	Mar. 31, 1972	G, E, ₅	S	"Blount Tank" well; 4 gal/min measured 3-31-72; field specific conductance 3,200 umho/cm.
503	Sierra Blanca Corp.	H. E. Stanton	1972	1,350	10	K	4,445	--	--	S, E, ₇₅	P	Owner's water-supply well no. 1; perforated 880-1,210 feet; open hole below; 200 gal/min reported 8-17-72. Radioactive logs; bedrock estimated at 460 feet from neutron log. ³
701	Mrs. J. R. Love	--	1940's	920	6	K	4,487	905R	July 6, 1972	G, W	S	6 gal/min and good-quality water reported.
801	Billy Holcum	--	1950's	945	8	K	4,406	920R	--	G, G, ₅	D, S	"Fackin" well; 10 gal/min reported; reported performance below 920 feet, pump set at 927 feet.
901	Murray Fackin & Clyde Fields	Levelle	1910±	1,150	N	K	4,380	788R	Mar. 31, 1972	N	N	"Levelle" well; original 10-inch casing removed; 17 gal/min reported in 1943; gamma-ray log.
55-901	Charles & Robert Dees	Charles & Robert Dees	about 1950	397	10	Pe	4,649	207R	Aug. 31, 1972	G, W	N	Cased to 10 feet, open hole below; 2 gal/min; good-quality water reported.
902	do	do	1948	190	9	Pe	4,638	151.2	do	G, E, ₁	S	"Camel Draw" well, cased to 12 feet; open hole below; pump set at 185 feet; 6 gal/min measured 8-31-72.
56-501	Mrs. Scott Keeling	Wayne Blair	1972	121	N	Pe	4,770	67.6	Sept. 1, 1972	N	N	Unused, uncased drill hole for asbestos; originally drilled to 150 feet.
802	Charles Dees	--	about 1915	186	6	Pe	4,655	66.7	Sept. 1, 1972	G, W	S	"Little" stadium; originally drilled to 200 feet, cased to 20 feet, open hole below; 3 gal/min measured 9-1-72.
803	S. C. Strubling & William C. Pfluger	--	--	130	6	Pe	4,757	73.7	do	G, W	S	3 gal/min measured 9-1-72.
804	Mrs. Scott Keeling	Wayne Blair	1972	92	N	Pe	4,768	87.0	do	N	N	Unused, uncased drill hole for asbestos; originally drilled to 150 feet.
61-101	Sid Cowan	--	--	442	6	TI?	5,020	268.8	May 4, 1972	G	N	
103	do	Chavez & H. H. Virdehl	1957	425	8	TI	5,180	414.0	do	N	N	
104	do	--	--	> 500	10	TI?	5,211	480.8	do	S, E, _{1.5}	D, S	Estimated 12-15 gal/min 5-4-72; field specific conductance 630 umho/cm, 64°F.
201	Ed L. Love	H. H. Hemshaw	1931	690	6	K	4,372	538R	July 25, 1931	G, E, ₃	S	"Hemshaw" well; H. H. Hemshaw, C. W. Love no. 1 oil test; log no. 10 in U.S. Geological Survey Prof. Paper 479, 578-580, bedrock (limestone) at 270 feet, water sand 578-580 feet; original yield reported 250 gal/min; 6 gal/min measured 2-4-72; cased to 200 feet; open hole below.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
FD-48-61-301	E. L. Kettebubach	H. H. Viredell	1970	766	N	--	4,300	--	--	N	N	Abandoned test hole no. 1 in Red Light Draw; drilled for Hudspeth County Water Control & Improvement District No. 1; bedrock (limestone) at 662 feet, reported to be dry hole. ³
J/ 302	do	do	1970	740	6	Qta1	4,280	421.4	May 16, 1972	N	N	Abandoned test hole no. 2; drilled for Hudspeth County Water Control & Improvement District No. 1; bedrock (limestone) at 618 feet; gamma-ray log; originally drilled to 752 feet, perforated 440-750 feet. ³
J/ 501	Mrs. Jodie Tammun	Mr. Tammun	about 1942	420	8	K?	4,495	--	--	C, E, ₂	D, S	Measured 10-12 gal/min 12-3-73.
901	E. L. Kettebubach	--	1940's	290	10	K	4,383	1908	Nov. 1964	C, W	S	"West" windmill, 5 gal/min measured 5-4-72; field specific conductance 1,250 umho/cm, temperature 21°C.
62-501	Yettie Meadors	--	--	--	14	K	4,376	--	--	C, W	S	"East" windmill, water level below 499 feet 7-7-72.
J/ 701	Sierra Blanca Land & Cattle Co.	H. H. Viredell	1947	525	6	Qta1	4,110	448.1	May 10, 1972	C, E, ₁	D, S	Reported capacity 200 gal/min in 1951; 10-12 gal/min estimated in 1972; driller reported 40 feet of coarse water-bearing gravel at bottom of hole.
J/ 801	Yettie Meadors	do	1964	598	9	Qta1	4,018	323.8	May 12, 1972	N	N	Unused well originally drilled to 640 feet and used for water supply for construction of interstate highway; user's well no. 4; brief driller's log and gamma-ray log available; 100 gal/min reported in 1964. ³
J/ 802	do	do	1964	540	10	Qta1	4,010	367.1 364.5	Nov. 9, 1966 May 16, 1972	N	N	Unused well originally used for water supply for construction of interstate highway; user's well no. 2; brief driller's log; perforated 450-540 feet; 100 gal/min reported in 1964. ³
803	Cummins Sisters	H. H. Viredell	1964	475	10	Qta1	4,013	365.2	May 16, 1972	N	N	Unused well originally drilled to about 540 feet for water supply for construction of interstate highway; user's well no. 3; brief driller's log; perforated 450-540 feet; 100 gal/min reported in 1964. ³
804	Yettie Meadors	do	1964	540	10	Qta1	4,005	354.6	do	N	N	Unused well originally used for water supply for construction of interstate highway; brief driller's log; perforated 450-540 feet; 190 gal/min reported in 1964. ³
805	Jack Hayter	do	about 1964	400	6	Qta1	4,007	--	--	S, E, ₅	S	"Hayter" well; field specific conductance 770 umho/cm, temperature 65°F on 5-9-72; 50 gal/min reported.
806	Yettie Meadors	L. W. Stratton	1951	433	6	K?	4,035	385.6	May 12, 1972	C, G, ₄	S	"Cummins" (locally called Blue Tank) windmill; originally drilled to 655 feet, bedrock? (limestone) reported at 218 feet; 10-12 gal/min estimated in 1972; field specific conductance 1,200 umho/cm. ³
807	do	H. H. Viredell	1964	497	6	Qta1	4,095	438.0 437.1	Oct. 28, 1964 May 17, 1972	N	N	Originally tested at 10 gal/min.
63-301	Texas & Pacific Railroad	--	early 1900's	--	10	Pe?	4,461	--	--	N	N	Destroyed railroad supply well, reported good yield and water quality.
J/ 302	Oscar Booth	H. H. Viredell	1964	602	8	Pe	4,506	354.4	Aug. 30, 1972	C, G, ₄	S	"Winters" well; originally drilled for supply for highway construction; perforated 485-602 feet; bedrock (schist) at 3 feet; 130 gal/min reported in 1964. ³

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basins, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
✓ PD-48-63-303	C. A. Walkin	H. E. Virdeil	1956	212	4	Pe	4,730	160.7	Aug. 31, 1972	C, W	S	4-inch casing inside 8-inch casing, annulus filled with crushed rock; 2 gal/min measured 8-31-72.
601	Oscar Booth	Emmett Harrell & R. A. Foster	1947	899	6	K?	4,391	700R	1959	C, G	N	Cased to 20 feet, open hole below; bedrock reported at 690 feet; 2 gal/min reported in 1961.
602	Texas Pacific Land Trust	Capitan Drilling Co.	1965	1,663	N	--	4,368	--	--	N	N	Capitan Drilling Co. Devil Ridge no. 1; plugged core test drilled for Texaco Inc.; sonic, caliper, gamma-ray logs available to 450 feet, bedrock at 240 feet.
701	Mrs. R. H. Espy	--	1940's	--	6	K?	4,219	--	--	N	N	"Lucky" well; depth measured at 26 feet in 1972, dry to that depth; water had sulfur taste and odor.
802	James Stone	--	--	124	5	K?	4,314	120.7	July 10, 1972	C, W	S	Measured 3 gal/min 7-10-72; field specific conductance 1,620 umho/cm, temperature 21°C, water has sulfur odor.
✓ 803	do	--	--	213	8	K	4,532	24.7	do	C, W	S	"Sulfur" well, 3 gal/min measured 7-10-72.
901	Mrs. R. H. Espy	--	1912	1,000	6	K	4,540	--	--	N	N	"Deep" well; originally drilled to 1,000 feet, cased to 636 feet (measured depth in 1972), no water in well in 1972; 900-foot water level reported in 1943; good-quality water reported.
✓ 902	do	--	1940's	238	6	QTal?	4,757	227.0	June 8, 1973	S, E, 1	S	"Witch" well; 12 gal/min measured 6-8-73.
64-201	Charles & Robert Dees	Charles & Robert Dees	about 1948	226	8	Pe?	4,504	143.8	Sept. 12, 1972	N	N	Originally drilled to about 325 feet, cased to 12 feet, open hole below; original yield reported 30 gal/min of good-quality water; reported drilled mostly in hard, greenish rock.
301	Charles Dees	Knox Williams	about 1916	200	5	Pe?	4,676	156.0	Aug. 24, 1972	C, E, 1	D	Cased to 12 feet, open hole below; 10-12 gal/min measured 8-24-72; field specific conductance 780 umho/cm, temperature 20.5°C.
302	Charles & Robert Dees	Charles & Robert Dees	about 1945	193	6	Pe?	4,560	157.8	Sept. 12, 1972	C, W	S	Cased to 10 feet, open hole below; reported drilled mostly in hard greenish rock.
501	Oscar Booth	W. P. Geaslin	about 1915	477	6	--	4,388	229.6	Apr. 3, 1973	N	N	Original yield reported 3 gal/min of good-quality water.
✓ 601	Southern Clay Products Co.	--	about 1931	177	6	--	4,511	174.0	Aug. 24, 1972	C, E, 1.5	D	Originally drilled to 224 feet; 3 gal/min measured 8-24-72; water level reported 160 feet in 1955.
602	Pioneer Talc Co.	--	about 1965	239	5	--	4,538	190.3	do	S, E, 3/4	Ind	Measured 2-3 gal/min 8-24-72; field specific conductance 1,000 umho/cm, temperature 24°C.
✓ 603	Oscar Booth	--	1940's	220	4	QTal?	4,492	167.4	do	S, E, 3/4	D, S	East of 2 windmills; 8 gal/min measured 8-24-72.
604	do	Cavender	1915	220	6	QTal?	4,490	163.7	do	C, W	S	West of 2 windmills; field specific conductance 900 umho/cm.
605	Paul Frame	Bill Garrett	about 1960	236	6	QTal?	4,556	173.2	Sept. 13, 1972	C, E, 1/3	D	Cased to 8 feet, open hole below; 4 gal/min measured 9-13-72; field specific conductance 950 umho/cm, temperature 20°C.
✓ 901	Southern Pacific Railroad	Layne-Texas	1941	1,001	10	QTal	4,271	610.3	Apr. 12, 1972	N	N	Unused railroad supply well no. 2, west well of 2; tested at 40 gal/min in 1941; perforated 738-759, 781-803, 824-846, 891-915, and 957-1,011 feet; gamma-ray and temperature logs (maximum temperature 106°F) to 880 feet. 3

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE OR BELOW SURFACE (ft.)	DATE OF MEASUREMENT			
PD-48-64-902	Southern Pacific Railroad	O. E. Lindholm	1908	1,000	10	Qta1	4,271	--	--	N	N	Unused railroad supply well no. 1, east well of 2; 30 gal/min reported in 1963, tested at 200 gal/min in 1964.
50-06-101	E. A. Wright	H. H. Virdeil	1941	115	6	K?	4,342	72.5	May 17, 1972	C, W	S	East of 2 wells, originally drilled to 150 feet; 4 gal/min measured 5-17-72; field specific conductance 2,700 umho/cm, temperature 21°C.
102	do	do	about 1964	150	6	K?	4,342	95R	1964	C, E, 1/2	S, D	West of 2 wells.
203	Mann Bramlett	do	1946	667	6	K?	4,039	391.2	May 17, 1972	C, W	D, S	--
301	Yettie Meadors	L. W. Stratton	1955	390	6	Qta1	3,941	326.1 319.6	Dec. 4, 1961 May 17, 1972	S, E	S, D	"Red Light Mill", perforated 360-390 feet; 4 gal/min measured 5-17-72 when wind powered. $\bar{3}$
801	Robert & Leo Guerra	Bill Applegate	about 1950	190	6	K?	4,005	171.7	July 18, 1972	C, W	S	"Cedar Canyon" Windmill, originally drilled to 200 feet; 3 gal/min estimated in 1972.
901	Robert Guerra	H. H. Virdeil	1944	354	6	?	3,758	292.1 288.8	Oct. 30, 1964 July 19, 1972	N	N	Oil test, Schormohr Oil Corp.; J. W. Tidwell no. 1; originally drilled to 935 feet; bedrock at 190 feet; gamma-ray log. $\bar{3}$
07-201	James Stone & Wayne Roby	Wayne Blair	1972	284	5	K?	4,381	271.3	May 24, 1972	C, W	S	Cased to 66 feet, open hole below; bedrock (sandstone) at 35 feet. $\bar{3}$
202	do	--	1940's	270	--	K?	4,690	15R	--	C, G, W, 5	S	"Indian Springs" mill; 4 gal/min estimated in 1972; field specific conductance 640 umho/cm.
301	R. H. Espy Est.	J. A. Kennedy	1941	200	6	K?	5,760	96.1	June 8, 1973	C, W	S	Originally reported 206 feet deep; 3 gal/min measured 6-8-73; field specific conductance 380 umho/cm, 74°F.
302	Jack Hayter	--	1940's	200±	4?	K?	5,900	191.2	do	C, W	S	Field specific conductance 340 umho/cm, 74°F.
401	Richard Weinberg	--	about 1940	510	5	Qta1	3,966	460R	Oct. 30, 1964	C, W	S	"China" well, 3-4 gal/min estimated in 1973.
402	do	H. H. Virdeil	1944	370	10	Qta1	3,785	300.1	July 18, 1972	N	N	Oil test, J. C. Rogers no. 1 Tidwell; formerly State well no. PD-50-07-701; originally drilled to 420 feet; mostly open hole with a short(?) length of casing near land surface.
501	do	Cook Drilling Co.	1973	1,185	6	Qta1	4,045	575±	Dec. 10, 1973	N	N	U.S. Geological Survey Leo Guerra no. 1 water test; jetted 85 gal/min after hole drilled; partial sample log; electric, radioactive, caliper, and temperature logs; bedrock? (volcanics?) at 1,100 feet.
601	Jack Hayter	Payne	1950's	264	6	K?	4,787	191.8	June 27, 1972	C, W	S	Black Mountain well; 3-4 gal/min estimated in 1972; field specific conductance 760 umho/cm, 24°C.
801	Richard Weinberg	--	1940's	510	6	Qta1	3,924	465.9	June 29, 1972	C, W	S	"New" well; 5 gal/min estimated in 1964.
901	do	--	before 1940	510	4	Tv?, K?	4,483	350R	do	C, W	S	Red Bluff well, deepened to 510 feet in 1961; 4 gal/min measured 6-29-72; field specific conductance 860 umho/cm in 1972 and 909 in umho/cm in 1964; field chloride 54 mg/l in 1964, temperature 21°C.
08-101	Mrs. R. H. Espy	J. A. Kennedy	1940	237	5	K	4,941	78.9	Sept. 14, 1972	C, W	S	"Kennedy" well; cased to about 40 feet and open hole below; 3 gal/min measured 9-14-72.
102	do	--	--	Spring	48	K	4,761	3.8	do	C, W	S	"Eagle" spring, dug out to 6 feet depth and rock lined; windmill on spring; 3-4 gal/min estimated in 1972.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
PD-50-08-103	R. H. Eppy Est.	--	about 1940	112	5	K?	5,105	65R	do	C, M	S	"Coat Canyon" wells, north well of 2; 5 gal/min estimated in 1972; good-quality water reported.
104	do	--	about 1940	208	5	K?	5,101	65R	do	C, M	S	"Coat Canyon" wells, south well of 2; 4 gal/min estimated in 1972; good-quality water reported.
201	Mrs. R. H. Eppy	J. A. Kennedy	1940	90	5	Qta1	4,762	37.4	Sept. 13, 1972	C, M	S	"North Carpenter" well; originally drilled to 97 feet; cased to 40 feet; open hole below; bedrock (limestone) reported at 95 feet; total at 15 gal/min when drilled.
202	do	--	1940's	40±	5	Qta1	4,762	33.4	do	C, M	S	"South Carpenter" well.
901	J. G. Davila	--	--	320±	6	K	4,919	--	--	C, E	S	"Spar Valley" well; field specific conductance 526 umho/cm and chloride 22 mg/l in 1960.
14-201	H. L. Hunt Est.	--	about 1969	--	6	K	3,730	--	--	C, E, 3/4	D, S	Water supply for Indian Hot Springs resort; good-quality water reported.
301	Jewel Babb	H. H. Vireddi?	about 1940	100	5	K	3,590	50R	Jan. 26, 1973	C, M	D, S	Reported 5 gal/min; good-quality water.
501	H. L. Hunt Est.	--	--	Spring	--	?	3,310	F	--	--	R, D	"Hot Spring" no. 1 or "Stump Spring"; rock walled; 14 gal/min flow measured 3-22-73.
502	do	--	--	Spring	--	?	3,312	F	--	E, 3/4	R, D, S	"Soda Spring"; rock walled; 2 gal/min flow and 10 gal/min pumped yield estimated in 1973.
503	do	--	--	Spring	--	?	3,312	F	--	--	R	"Bath House Springs" or "Chief Springs"; dugout depression; 300-350 gal/min estimated in 1973.
504	do	--	--	Spring	--	?	3,310	F	--	--	R	"Dynamite Springs" rock walled; 2 gal/min estimated in 1973; closed 10 gal/min prior to dynamiting in 1960's to increase flow.
505	do	--	--	Spring	--	?	3,312	F	--	--	R	"Cold Spring" or "Squaw Spring"; 6 gal/min measured 1-23-73.
506	do	H. H. Vireddi	1969	70	15	Qa1	3,315	5.4	Mar. 23, 1973	T, G, 4.5	I	East well of 2; 6-inch pump; 500 gal/min reported; field specific conductance 9,000 umho/cm.
507	do	do	1969	75	15	Qa1	3,315	7.4	do	T, E, 2.5	I	West well of 2; owner's no. 8; perforated 22-75 feet; 6-inch pump; tested at 700 gal/min when drilled, 63 feet drawdown reported. 3
508	do	do	1969	152	16	Qta1	3,300	F	Feb. 1971	N	N	Irrigation well, owner's no. 3; plugged and abandoned because flooding salty water; perforated 0-152 feet; 4 gal/min flow estimated before plugging in 1971; water-bearing zone reported from 12-30 feet.
509	do	do	1969	80	16	Qa1	3,300	6.5R	Apr. 1969	N	N	Irrigation well, owner's no. 4; plugged and abandoned because of salty water; perforated 0-80 feet.
15-101	Richard Weinberg	do	1942	114	6	Qta1	3,510	28.7	June 27, 1972	C, W	N	Abused stock well, originally drilled to 160 feet; 5 gal/min estimated in 1960.
201	Robert & Leo Guerra	--	1900	460	5	Qta1	3,628	185.7	June 29, 1972	C, W	S	"August" well; could not measure depth in 1972, obstruction at 234 feet; 5-6 gal/min reported in 1972.
401	Stella Kelsey	Works Progress Admin.?	about 1940	23	5	Qa1	3,235	13.6	July 19, 1972	C, W	N	--

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
<u>J</u> PD-50-15-401	Robert & Leo Guerra	--	1900	47	4	Qa1	3,236	31.3 32.8	Nov. 10, 1964 June 29, 1972	C, W	S	Formerly State well no. PD-50-15-501; originally drilled to 60 feet; 3 gal/min measured 6-29-72; water-bearing zone reported to be alluvium from 50-60 feet.
<u>J</u> 901	Robert Guerra	H. H. Virdeil	1951	60	16	Qa1	3,190	10.7 8.0	May 11, 1961 Nov. 15, 1973	T, C, 160	I	Owner's no. 2; 10-inch pump, 1,000 gal/min reported in 1961; perforated with hydraulic knife in 1971; 9 tons/acre-foot (about 7,000 mg/l) dissolved solids reported in 1961.
<u>J</u> 902	do	do	early 1950's	40	15	Qa1	3,190	7.2 4.7	May 11, 1961 Nov. 15, 1973	N	N	Abandoned irrigation well, originally drilled to 60 feet; 1,000 gal/min reported in 1961.
903	Robert & Leo Guerra	--	1940's	182	5	QTa1	3,269	32.5 35.5	Oct. 29, 1964 June 30, 1972	C, W	S	South well of 2; 4 gal/min estimated in 1972; good quality reported.
904	do	--	1940's	104	5	QTa1	3,269	74.5	do	C, W	S	North well of 2; originally drilled to 160-180 feet; 1 gal/min measured 6-30-72; field specific conductance 640 umho/cm, 24°C.
<u>J</u> 905	Robert Guerra	H. H. Virdeil	about 1961	65	18	Qa1	3,190	6.3	Nov. 15, 1973	T, C, 160	I	Owner's no. 1, perforated with hydraulic knife 35-65 feet in 1971; 8-inch pump, 1,100 gal/min and 25 feet drawdown reported in 1973.
16-701	do	--	1940's	261	6	QTa1	3,549	167.1 162.5	Oct. 29, 1964 Jan. 24, 1973	C, W	S	"Upper" well, originally drilled to about 380 feet; 3 gal/min reported in 1973; field chloride 10 mg/l in 1964; good-quality water reported.
702	Mrs. John Bramlett	H. H. Virdeil	1963	56	6	Qa1	3,215	45.0 40.6	Nov. 10, 1964 Jan. 25, 1973	N	N	"Sandhill" windmill, unused stock well, originally drilled to 60 feet; 3-4 gal/min reported; water-bearing zone reported 30-60 feet; field specific conductance 15,300 umho/cm and chloride 4,800 mg/l in 1964.
<u>J</u> 703	do	do	1963	224	6	QTa1	3,352	127.8 195.3	Nov. 10, 1964 Jan. 25, 1973	C, W, E, 1/2	S	"Christmas" well, formerly State well no. PD-50-16-801; originally drilled to 200 feet; 8 gal/min measured 1-23-73; water-bearing zone reported 250-260 feet.
901	Bailey Evans	Jake Freeman	1940's	306	6	K	4,040	209.0	Oct. 19, 1972	C, G, 10	D, S	Deepened in 1963; 5 gal/min estimated in 1972; field specific conductance 650 umho/cm, 22°C.
24-201	Mrs. John Bramlett	John Bramlett	1958	58	6	QTa1	3,180	37.9 32.0	Nov. 10, 1964 Jan. 25, 1973	C	N	"To" well, originally drilled to 90 feet; 5 gal/min estimated in 1964; field specific conductance 11,900 umho/cm and chloride 3,700 mg/l in 1964; water-bearing zone reported 80-90 feet.
<u>J</u> 202	do	C. R. & Mann Bramlett	1959	66	6	Qa1	3,204	52.4 45.1	Nov. 10, 1964 Jan. 25, 1973	C, W, G, 3	S	"16" well, originally drilled to 78 feet; 3 gal/min measured 1-23-73; water-bearing zone reported 68-78 feet.
<u>J</u> 301	do	do	1972	330	8	QTa1	3,465	198.2	Nov. 16, 1973	C, W	S, D	"Easter" well; perforated 255-330 feet; 4 gal/min measured 11-16-73; brief driller's log; used for drinking water at ranch house. <u>J</u>
501	John Bramlett Est.	John Bramlett & Sons	1951	52	14	Qa1	3,155	7.0 5.0	May 11, 1961 Nov. 16, 1973	N	N	Unused irrigation well, north well of 3; originally drilled to 60 feet; 1,000 gal/min and 7 tons/acre-foot (about 5,000 mg/l) dissolved solids reported in 1961.
502	do	do	1951	70	16	Qa1	3,155	7.4 5.6	May 11, 1961 Nov. 16, 1973	T, C, 45	N	Unused irrigation well, south well of 3; 1,500 gal/min and 7 tons/acre-foot (about 5,000 mg/l) dissolved solids reported in 1961; 10-inch pump column.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ARWFE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
J/ PD-50-24-503	John Bramlett Est.	George Hamilton	1945	65	6	Qa1	3,185	48R	May 11, 1961	C, E, 1	S	"Home" well; 9 gal/min measured 11-16-73; field specific conductance 4,100 umho/cm in 1973; water-bearing zone reported 53-63 feet.
504	do	John Bramlett & Sons	1964	150	7	Qta1	3,162	43.9 39.8	Oct. 11, 1964 Nov. 16, 1973	N	N	Unused stock well; formerly State well no. PD-50-24-101; 5-10 gal/min reported; water-bearing zone reported 140-150 feet; salty water reported.
J/ 505	do	do	about 1952	50+	16	Qa1	3,153	5.0	do	T	N	Unused irrigation well, middle well of 3; 8-inch pump, 1,000 gal/min reported.
J/ 51-01-301	Mrs. H. B. Mann	--	old	80	5	Qa1	4,242	40.4	Nov. 29, 1972	C, W	S	"Bass Canyon" well, taps shallow stream deposits on east flank of Carrizo Mountains. Water is contaminated; very high nitrate content.
J/ 501	R. E. Herring, Jr.	--	1937	501	6	Qta1	4,146	--	--	C, W	S	Casing slotted 350-500 feet.
502	do	--	old	500	6	Qta1	4,147	486.0 485.0	Sept. 2, 1966 Oct. 12, 1972	N	N	--
J/ 503	J. C. Davis	Frank Harrell	1930's	530	6	Qta1	4,166	481R	1973	C, E, 5	P, S	Supplies ranch headquarters; pumped 9 gal/min 10-12-72.
J/ 504	do	Xana Corp.	1974	--	--	Qta1	4,188	--	--	N	N	U.S. Geological Survey J. C. Davis no. 1 water test hole; drilled and logged 2.02 feet of holson fill, mostly clay with thin beds of sand and gravel. Progressively plugged back and batted water samples from intervals 1,653-1,685, 1,308-1,340, 1,024-1,056, and 845-877 feet; partial sample, electric, caliper, drill-time, and radioactive logs.
J/ HL-51-01-601	M. A. Farmer	N. B. Virdeil	1939	503	6	Qta1	4,090	420.6	Nov. 12, 1964	C, W	S	Reported weak supply.
J/ PD-51-01-801	L. A. Mallory	--	1940's	--	8	Qta1	4,253	646.5	Nov. 14, 1972	C, W, S	--	--
HL-51-02-101	M. A. Farmer	--	old	--	6	Qta1	4,038	458.9	Feb. 16, 1972	C, W	S	Pumped 1.5 gal/min 2-16-72; water level rose 5.3 feet wch well shut down 30 minutes.
J/ 201	do	Geaslin	old	411	6	Qta1	3,961	340R	1943	C, W	D, S	North well at ranch headquarters.
202	do	L. W. Stratton	1952	554	10	Qta1	3,961	350R 380.7	1958 Feb. 15, 1972	T, G	D, S	South well at headquarters; supplies house and irrigates lawns and gardens; casing slotted 350-550 feet; set 500 feet 4-inch column pipe. Pumps an estimated 150 gal/min; log shows shale, sand, and gravel to total depth. ³
J/ 203	E. R. Filley Trust	N. B. Virdeil	1941	370	6	Qta1, P	3,902	274.8 275.8	Apr. 10, 1973 Jan. 13, 1974	S, R	S	Pumped 3 gal/min 4-10-73; temperature 67°F.
501	do	L. W. Stratton	194-	973	--	--	3,908	272.38 276.36	June 12, 1950 Feb. 9, 1951	--	--	Former Tex. Water Development Board water-level observation well; test hole; log shows alluvial fill to 728 feet and mostly shale and limestone (Cretaceous or Permian) from 728-973 feet. ³
J/ 502	do	--	old	350	6	Qta1	3,912	288.8	Apr. 10, 1973	C, W	S	Supplies ranch headquarters.
J/ 601	Mrs. C. P. Wadeil	Virdeil	1942	391	6	Qta1, P	4,050	360R	Feb. 8, 1951	C, E, 1,5	D, S	--
602	E. R. Filley Trust	L. W. Stratton	1949	500	16	Qta1	3,928	141.65 141.89 141.30	May 3, 1950 Feb. 8, 1950 Mar. 8, 1950	N	N	Drilled for irrigation, destroyed; former Tex. Water Development Board water-level observation well. Log shows interbedded shale, sand, and gravel to 385 feet and red shale from 385-500 feet. ³

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETION	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
HL-51-02-701	Tom Bennett	L. W. Stratton	1942	600	--	--	4,450	--	--	N	N	Reported drilled to 600 feet; seep of water at 40 feet (base of alluvium). Destroyed.
801	R. E. Herring, Jr.	R. A. Foster	1963	65	6	Tv	4,028	26.2	Jan. 14, 1972	C, M	S	Formerly State well no. HL-51-02-914; drilled at site of old "Van Horn" wells, stage stand on the San Antonio-San Diego route. Log shows dirt, gravel, and large boulders to 44 feet; rocks with cracks and water 44-48 feet; and white and gray shale with sandy streak 48-65 feet. ³
<u>1</u> 901	M. P. Sauer	Fred Scroggins	1949	380	16	QTal	3,947	90.50 229.32	Feb. 8, 1951 Jan. 15, 1973	T, Ng	Irr	Set 240 feet 8-inch column pipe and 4 stages of 10-inch bowls; discharged 585 gal/min in 1967. Irrigated 80 acres of cotton and feed in 1973; former Tex. Water Development Board water-level observation well.
902	Barnabus (Joe) Smallwood	John Alexander	1948	382	10	QTal	3,948	103.21 107.6	Nov. 17, 1950 Feb. 8, 1951	N	N	Drilled to 910 feet; plugged back to 382 feet, slotted casing 220-282 feet; reported drawdown of 50.6 feet pumping 1,200 gal/min when drilled. Log shows shale, sand, and gravel to 770 feet; lava wash and red, white, and brown shale 770-884 feet; and bedrock 884-910 feet. Destroyed and replaced by well HL-51-02-917. Former Tex. Water Development Board water-level observation well. ³
<u>1</u> 903	do	L. W. Stratton	1950	421	16	QTal	3,947	102.4 195.9 233.42	Feb. 28, 1951 Feb. 7, 1963 Jan. 18, 1973	T, Ng	Irr	Log shows alluvium to total depth. Measured discharges: 720, 810, and 830 gal/min in 1967, 1968, and 1973. Tex. Water Development Board water-level observation well. ² ³
904	E. R. Filley Trust	do	1950	400	16	QTal	3,934	133.52 194.6 222.20	Feb. 8, 1951 Feb. 7, 1963 Jan. 15, 1973	N	N	Former Tex. Water Development Board water-level observation well. Water from upper (perched) zone enters well and cascades down casing.
<u>1</u> 905	do	do	1950	406	16	QTal	3,938	137.87 194.10	May 2, 1950 Jan. 7, 1963	T, Ng	Irr	Log shows alluvium to total depth; set 300 feet 8-inch column pipe; discharged 800 gal/min 5-17-73. Former Tex. Water Development Board water-level observation well. ³
906	do	do	1949	364	16	QTal	3,940	132.24 194.76 228.20	June 22, 1949 Feb. 7, 1963 Jan. 15, 1973	N	N	Reported drawdown of 75 feet pumping 1,150 gal/min when drilled; gamma-ray log to 364 feet. Tex. Water Development Board water-level observation well. ²
<u>1</u> 907	do	do	1950	407	16	QTal	3,943	141.10	May 2, 1950	T, Ng	Irr	Set 300 feet 8-inch column pipe; discharged 785 gal/min 5-17-73; log shows alluvium to total depth. ³
908	Cecil Shearer	Fred Scroggins	1950	387	16	QTal	3,956	112.85 233.8	Feb. 8, 1951 Jan. 14, 1972	S, E	D	Drilled for irrigation; had 106 feet drawdown pumping 448 gal/min in 1951. Converted to domestic supply. Former Tex. Water Development Board water-level observation well.
909	E. R. Filley Trust	L. W. Stratton	1949	400	16	QTal	3,938	98.97 131.60	Apr. 21, 1950 Sept. 8, 1951	N	N	Casing slotted 180-400 feet; drawdown of 63 feet pumping 786 gal/min for 12 hours in 1949. Abandoned and replaced by well HL-51-02-909. Former Tex. Water Development Board water-level observation well.
<u>1</u> 910	Barnabus (Joe)	Fred Scroggins	1950	385	16	QTal	3,952	100R 102.7	Jan. 1950 Feb. 28, 1951	N	N	Destroyed; replaced by well HL-51-02-912. Former Tex. Water Development Board water-level observation well.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF TEST	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
HL-51-02-911	Cecil Shearer	R. Guffey	1955	574	16	QTal	3,956	164.3 195.94 247.64	Jan. 24, 1956 Feb. 9, 1962 Jan. 15, 1973	T, E	Irr	Set 16-inch casing to 490 feet; slotted 320-490 feet, set 12-inch slotted liner from 460-549 feet; discharge at 470 gal/min with pumping level at 264 feet 8-15-73. Tex. Water Development Board water-level observation well.
912	Barnabus (Joe) Smallwood	--	--	--	14	QTal	3,952	180.05 202.65 241.81	Jan. 27, 1960 Feb. 9, 1962 Jan. 15, 1973	T, Ng	Irr	Tex. Water Development Board water-level observation well.
913	E. R. Filley Trust	L. W. Stratton	1949	--	--	QTal	3,933	153.18 134.18	May 3, 1950 Feb. 8, 1951	N	N	Log shows alluvium to total depth of 406 feet. Set 406 feet 16-inch casing; liner abandoned well and pulled casing. Former Tex. Water Development Board water-level observation well. 3
914	do	W. P. & C. Geaslin	1911	600	10	QTal	3,961	89.12 164.75	Aug. 26, 1963 Jan. 16, 1958	N	N	Formerly State well no. HL-51-03-704; reported well was drilled to promote irrigation at Lobo during the early 1900's. Well and pump were not very efficient and venture failed. Converted well to stock supply; plugged at 230 feet, and dry in 1972.
915	do	--	--	--	6	QTal	3,939	128.28	Feb. 8, 1951	N	N	Used for stock supply; plugged and capped in 1960. Former Tex. Water Development Board water-level observation well.
916	Wm. P. Sauer	--	old	145	6	QTal	3,955	112.30	Aug. 24, 1943	N	N	Destroyed stock well; former Tex. Water Development Board water-level observation well.
917	Barnabus (Joe) Smallwood	--	--	--	16	QTal	3,948	143.14 233.77 238.40	Jan. 24, 1956 Jan. 14, 1972 Jan. 15, 1973	N	N	Replaced well HL-51-02-002, 100 feet west; former Tex. Water Development Board water-level observation well.
918	do	--	1949	385	14	QTal	3,955	100R 151.20 228.95	June 1949 Jan. 28, 1957 Jan. 15, 1973	C, W	S	Drilled for irrigation; reported drawdown of 70 feet pumping 300 gal/min in 1949. Converted to stock supply; former Tex. Water Development Board water-level observation well.
919	do	--	--	--	14	QTal	3,955	135.87 240.10 244.70	Jan. 23, 1954 Jan. 13, 1972 Jan. 15, 1973	N	N	Unused irrigation well; former Tex. Water Development Board water-level observation well.
920	E. R. Filley Trust	Burkholder Bros.	1964	408	16	QTal	3,944	230.6	Jan. 13, 1972	T, Ng	Irr	Set 300 feet 8-inch column pipe; log shows alluvium to total depth. 3
921	Barnabus (Joe) Smallwood	Fred Scroggins	1949	385	16	QTal	3,965	230.1	do	S, E	D	Drilled for irrigation; reported well would only pump 200 gal/min; converted to domestic supply.
922	Cecil Shearer	do	1950	463	16	QTal	3,945	--	--	T, Ng	Irr	Deepened from 400-463 feet by R. A. Foster; set 300 feet 8-inch column pipe; reported discharge 850 gal/min; log shows alluvium to 456 feet and red rock from 456-463 feet. 3
923	Southern Pacific Railroad	O. E. Lindholm	1917	437	12	QTal	3,943	94R 227.4 233.4	Aug. 1917 Jan. 13, 1972 Jan. 15, 1973	N	N	North well at Lobo siding. Casing: 12-inch to 90 feet; 10-inch 80-222 feet, slotted 162-202 feet; 8-inch 202-437 feet, slotted 397-437 feet. Reported drawdown of 6 feet pumping 150 gal/min when drilled. Log shows clay, sand, and gravel to 381 feet; and stratified water-bearing formation from 381-437 feet; gamma-ray log to 247 feet. 3

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER-BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
HL-51-02-924	Southern Pacific Railroad	J. W. Jackson	1929	426	12	Qta1	3,944	92R 227.0	Mar. Jan. 13, 1972	C, E, L, S	D	South well at Lobo siding. Casing: 12-inch to 370 feet; 8-inch liner to 400 feet; 6-inch 400-426 feet; casing slotted 367-423 feet. Formerly supplied water for locomotives; currently supplies 2 trailers for railroad section crews. Log shows alluvium to total depth, and strong water zone in coarse sand and gravel 472-423 feet. ³
925	Cecil Shearer	Fred Scroggins	1963	535	16	Qta1	3,969	--	--	T, Ng	Irr	Log shows alluvium to 378 feet; red rock 378-390 feet; sand and gravel (hard) 390-465 feet; sand and gravel 465-517 feet; and hard conglomerate 517-535 feet. Lost circulation at 535 feet; set casing to 570 feet. ³
926	do	--	--	438	16	Qta1	3,965	162.05 205.08 246.15	Jan. 28, 1957 Feb. 7, 1963 Jan. 16, 1973	T, Ng	Irr	Formerly State well no. HL-51-03-701; casing slotted 180-400 feet; set 340 feet 8-inch column pipe; drawdown of 17.7 feet pumping 250 gal/min for 23 hours in 5-61. Discharged 600 gal/min 8-11-66 and 550 gal/min 4-29-68; no flow-test data. Test. Water Development Board water-level observation well.
927	J. L. Agnew, et al	--	1958	--	16	Qta1	3,962	162.60 214.39	Jan. 16, 1958 Feb. 11, 1969	T, Ng	Irr	Formerly State well no. HL-51-03-702; replaced well HL-51-02-928, 300 feet north. Discharged 625 gal/min 7-67; former Test. Water Development Board water-level observation well.
928	do	L. W. Stratton	1949	463	16	Qta1	3,960	90R 144.6	June Jan. 23, 1955	N	N	Formerly State well no. HL-51-03-705, destroyed; replaced by well HL-51-02-927. Log shows shale, sand, and gravel to 456 feet and very hard red rock 456-463 feet; former Test. Water Development Board water-level observation well. ³
929	E. R. Filley Trust	Burkholder Bros.	1964	422	16	Qta1	3,938	225.5	Jan. 14, 1972	T, Ng	Irr	Set 330 feet 8-inch column pipe; reported discharge 800 gal/min in 1972; log shows clay, sand, and gravel to total depth. ³
03-201	Albert Ivy	--	1938	967	--	P	4,453	--	--	C, W	S	Reported drilled in limestone from 30 feet to total depth. Set 960 feet of column pipe.
401	Mrs. C. F. Waddell	--	1937	60	7	Qa1 or T _v	4,170	31.5	Feb. 16, 1972	C, W	S	Called "rock tank" well; taps shallow alluvial or volcanic deposits in Christopher Draw.
402	do	--	1966	550±	5	Qta1	4,096	--	--	C, W	S	Replaced well 521 feet deep at this location; water sampled from old well in 1963.
501	L. E. Sloan	H. H. Virdell	1966	600	7	T _v	4,300	394R	Jan. 1966	S, E, 2	S	Log shows dirt to 2 feet; clay and lava 2-75 feet; gray and blue shale with shale breaks 75-510 feet; and gray rotten limestone, conglomerate 510-600 feet; casing slotted 555-600 feet. ³
701	Clayton McDonald	--	--	400	14	Qta1	4,016	281.9	Jan. 15, 1973	T, Ng	Irr	Formerly State well no. HL-51-03-703; reported well is partly caved.
801	H. M. Walker	--	--	400	6	Qta1	4,164	269.7 291.33	Aug. 26, 1943 Jan. 16, 1958	N	N	Obstacle at 295 feet (dry hole) in 1972; former Test. Water Development Board water-level observation well.
802	Kessey-Weinacht	--	--	--	16	Qta1	4,165	379.4 380.7	Feb. 17, 1972 Jan. 16, 1973	C, W C, G	S	Drilled for irrigation; converted to stock supply; the water levels in wells 801 and 802 show about 110 feet decline for the period 1943-73.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
HL-51-04-101	Cockrell	Condens Petroleum Corp.	1953	3,700	--	--	4,004	--	--	--	--	Oil test on upthrown side of east Wylie Mountain fault, Condens Petroleum Corp. Cockrell no. 1; reported drilled Permian rocks to 2,920 feet and Precambrian below. No water-bearing strata reported; electric log 750-3,700 feet.
201	Evergreen Farms	--	1938	625	7	P	3,995	450.6 451.6	Feb. 18, 1971 Feb. 14, 1972	N	N	Called "Alkarseltzer" well; reported top of limestone at 20 feet; abandoned.
202	do	--	1960's	--	5	P	4,014	476.8	Feb. 23, 1971	C, G	S	Replaced old "Alkarseltzer" well.
203	do	Bippy Taylor	1973	640	16	Q ¹ a1	3,963	418.6	Sept. 19, 1973	N	N	Drilled 24-inch hole to 640 feet; set 16-inch casing, slotted 470-640 feet; gravel packed; acidified with 4,000 gallons of HCl. Log shows shale, sand, and gravel to 630 feet, and hard sand from 630-640 feet. Reported insufficient supply for irrigation. ³
501	Garren	W. L. Kornumpf, et al	1933	1,280	--	--	4,077	--	--	--	--	W. L. Kornumpf, et al, Garren no. 1 oil test; partial log shows gravel and red rock to 475 feet, limestone 475-610 feet, sand (water) 610-615 feet, and limestone 650-1,000 feet; reported 100, 120, and 440 feet of water in hole at depths of 615, 640, and 1,000 feet, respectively. ³
FS-51-05-701	M. O. Meane	--	1955	200	7	Q ¹ a1, T _v	4,305	124.4	Aug. 21, 1972	C, W	S	--
FD-51-09-101	Charles Hoosier	--	old	305	6	K	4,525	263.7	Oct. 13, 1972	N	N	Called "Joe Williamson" well.
<u>J</u> 102	do	--	1950	--	6	Q ¹ a1	4,347	537.6 530.9	Nov. 12, 1964 Nov. 11, 1972	C, W	S	Called "West Taylor" well, reported water quality is best on ranch. Pumping 4 gal/min 11-14-73; water level recovered 1.3 feet with well shut down 1 hour.
<u>J</u> 103	do	--	old	183	6	K	4,284	130.5	Oct. 18, 1972	C, W	S	Called "Medicine" well; water is gyp. Pumping 5 gal/min 10-18-72.
104	do	--	1920's	142	6	K	4,320	117.2	do	N	N	Unused, but reportedly good quality and supply.
201	L. A. Mallory	W. P. & C. Goslin	1909	1,600	--	--	4,230	--	--	--	--	Bottomed in red clay; reported insufficient supply (about 2 gal/min from 700 feet); abandoned.
<u>J</u> HL-51-09-301	Charles Hoosier	--	1943	>500	6	K	4,456	>500	1972	C, W	S	Reported good quality and dependable supply.
FD-51-09-401	do	--	1943	>462	6	K	4,308	462R	Oct. 18, 1972	C, W	S	Called "Squaw" well. Specific conductance, field test 1,350 umho/cm.
<u>J</u> 501	do	Geslin & Cummings	1909	280	7	Q ¹ a1	4,005	143.9 138.6	Nov. 11, 1964 Oct. 18, 1972	C, W	S	Called "Red Mills and Double" wells; reported strong supply and good quality.
502	do	do	--	242	7	Q ¹ a1	4,005	137.4	do	N	N	North well of 2, abandoned.
503	do	- Grogan	1926	344	8	Q ¹ a1	4,085	234.4 230.0	Nov. 11, 1964 Oct. 18, 1972	C, W	S	Called "Mica" well; formerly supplied mine, 2.6 miles northeast.
801	do	--	old	97	6	Qa1?	3,972	23.0	Oct. 19, 1972	C, W	S	Taps shallow alluvial deposits overlying contact of tertiary volcanics and cretaceous rocks; reported good quality and strong supply.
<u>J</u> 802	do	--	1951	100	6	Q ¹ a1?	3,865	21.4 24.1	Nov. 12, 1964 Nov. 16, 1972	C, W	S	Taps shallow alluvial deposits, east side of Green River Draw.
803	do	--	old	--	36	Qa1	3,856	8.9	do	C, W	N	Dug in Green River channel; rock curbing.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
Hr-51-09-901	Tom Bennett	--	old	285	6	QTa1	4,070	218.2	Nov. 16, 1972	C, W	S	Discharged 4-5 gal/min 11-16-72; reported water is good quality.
902	Huber Corp.	L. W. Stratton?	--	280	5	QTa1	4,080	259.8	Mar. 13, 1974	C, W	S	Specific conductance, field test 600 umho/cm.
10-101	Tom Bennett	--	1940's	421	4	K	4,700	410.3	Nov. 30, 1972	C, W	S	Set 2-1/2-inch column pipe; reported good quality.
102	do	--	1930's	19	78	K	5,035	5.0	do	C, W	S	Called "High Lonesome" well; dug in Cox Sandstone (Cretaceous) near contact with overlying Hogeye tuff. Discharged estimated 15 gal/min in 1972; specific conductance, field test 600 umho/cm; springflow of about 5 gal/min in creek bed 100 feet upstream from well.
103	do	L. W. Stratton	1949	>800	6	K	4,684	>500	do	C, G	S	Called "Deep" well; reported pump set at about 800 feet.
301	Pete Green	Krump & Lindeman	1949	425	16	QTa1	3,969	140R	Aug.	N	N	Owner's no. 1; log shows alluvium to total depth. Reported pumping level at 209 feet discharging full 8-inch pipe when drilled; not used since 1967; well is partly caved. ³
302	Terry Lowe	L. W. Stratton	1949	400	--	--	3,984	280.37	May 2, 1950	N	N	Drilled to 400 feet in alluvium; plugged back to 332 feet and set 7-inch casing; pulled casing and abandoned in 1951. ³
303	Pete Green	Ted Lindeman	1949	403	16	QTa1	3,967	108R 248.3	Aug. 1949 Jan. 7, 1972	T, Ng	Irr	Owner's no. 2; reported drawdown of 19 feet pumping a full 8-inch pipe in 1949. Discharged 565 gal/min 7-19-67; log shows clay, sand, and gravel to 360 feet; "conglomeration" from 360-391 feet; and clay 391-403 feet. ³
304	do	Krump & Lindeman; L. Hoskins	1949 1972	415 500	16	QTa1	3,966	117.4 247.1	Nov. 17, 1950 Jan. 6, 1972	T, Ng	Irr	Owner's no. 3; drilled to 415 feet in 1949; reported pumping level at 170 feet discharging a full 8-inch pipe when drilled; water level and yield declined; deepened to 500 feet in 1972 and set 14-inch slotted liner; reported regained full 8-inch discharge. ³
305	do	L. W. Stratton	1960	325	16	QTa1Tv	3,984	202.4 243.0 245.2	July 13, 1960 Jan. 6, 1972 Jan. 17, 1973	T, Ng	N	Owner's no. 10; drilled to 521 feet; log shows alluvium to 269 feet, and hard lava, red rock, and red shale (volcanics) 269-521 feet. Set casing with slotted interval 200-325 feet; gravel packed annulus; set 260 feet 8-inch column pipe. Draw-down of 37.1 feet pumping 600 gal/min for 9 days in 1960; discharged 215 gal/min 7-67 and 160 gal/min 4-68; used only for stock supply in 1972; not pumped in 1973. ³
306	do	do	1957	400	16	QTa1	3,972	196.4 243.0 247.6	July 13, 1960 Jan. 7, 1972 Jan. 17, 1973	T, Ng	Irr	Owner's no. 9; casing slotted 180-400 feet; set 260 feet 8-inch column pipe and 4 stages of 12-inch bowls. Drawdown of 17.9 feet pumping 625 gal/min for 9 days in 1960; log shows clay, sand, and gravel to 279 feet; and shale with conglomerate 279-400 feet. ³
307	Ryan St. Clair	--	1957	400	16	QTa1	3,955	156.72 241.05	Jan. 28, 1957 Jan. 15, 1973	T, Ng	Irr	Set 320 feet 8-inch column pipe; irrigated 140 acres of grass and grain in 1973; former "Test. Mater Development Board water-level observation well.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
HL-51-10-308	Barnabus (Joe) Smallwood	Fred Scroggins	1949 1972	386 450	16	QTal	3,959	102.1 156.95 236.30	Feb. 28, 1951 Jan. 18, 1957 Jan. 12, 1972	T, Ng	Irr	Deepened from 386-450 feet in 1972; set 14-inch liner, slotted 240-450 feet; installed 320 feet of 8-inch column pipe. Discharged 760 gal/min 4-10-73; former Tex. Water Development Board water-level observation well.
309	James Thomas	--	1949	350	14	QTalTV	3,986	102R 201.67 244.82	June 1949 Feb. 10, 1962 Jan. 12, 1972	T, Ng	Irr	Log shows alluvium to 200 feet; no record 200-280 feet; lava 280-310 feet; sand and gravel 310-350 feet; and hard rock at 350 feet. Reported draw-down of 35 feet pumping 1,100 gal/min in 1949; discharged 560 gal/min 5-17-73; Tex. Water Development Board water-level observation well. ³
310	I. W. Smallwood	Fred Scroggins	1950	350	16	QTal	3,971	102R 116.51	Jan. 1950 Nov. 17, 1950	N	N	Reported pumped 700 gal/min in 1950; destroyed and replaced by well HL-51-10-323 in 1953; former Tex. Water Development Board water-level observation well.
311	Brewster Farms	--	old	187	6	QTal	3,983	82.3 90.32 82.53	Aug. 24, 1943 Feb. 10, 1962 Jan. 18, 1973	C, E	D, S	Taps water-bearing zone perched above the regional water table; former Tex. Water Development Board water-level observation well.
312	Barnabus (Joe) Smallwood	Fred Scroggins	1949	350	16	QTal	3,955	99.1 203.60	Feb. 28, 1951 Jan. 15, 1973	S, E	D, S	Drilled for irrigation; casing slotted 100-350 feet; converted to domestic supply; comparatively high mineral content in water indicates possible contamination. Former Tex. Water Development Board water-level observation well.
313	Ryon St. Clair	--	--	316	16	QTal	3,955	131.18 136.51	Jan. 23, 1954 Jan. 23, 1955	N	N	Casing filled to 60 feet in 1972; former Tex. Water Development Board water-level observation well.
314	Barnabus (Joe) Smallwood	Fred Scroggins	1951	444	16	QTal	3,960	131.96 178.38 238.90	Jan. 23, 1954 Feb. 10, 1961 Jan. 15, 1973	T, Ng	Irr	Reported 350 feet deep in 1951 and 444 feet in 1954; pumping 745 gal/min 8-16-73; water level recovered 53.1 feet with well shut down 12 hours. Former Tex. Water Development Board water-level observation well.
315	Tex. Highway Dept.	--	1938	274	8	QTal	3,962	90.2 102.46	July 30, 1943 Mar. 7, 1952	N	N	Formerly used for Highway construction; plugged at 90 feet in 1972; former Tex. Water Development Board water-level observation well.
316	Pete Green	Ted Lindeman	1949	435	16	QTal	3,973	122R 112.9	Aug. 24, 1949 Feb. 28, 1951	T, Ng	Irr	Owner's no. 4; set 208 feet slotted pipe; reported water level at 103 feet pumping a full 8-inch pipe when drilled. ³
317	Barnabus (Joe) Smallwood	Fred Scroggins	1950	315	16	QTalTV	3,975	100R 248.32	Apr. 18, 1950 Jan. 17, 1973	T, Ng	Irr	Casing slotted 100-215 feet; open hole 215-315 feet; reported rock (volcanics?) at 215 feet; drawdown of 60 feet pumping 850 gal/min when drilled; discharged 860 gal/min 1-15-73. Former Tex. Water Development Board water-level observation well.
318	Terry Lowe	--	old	295	8	QTal	3,964	97.96 165.54	Aug. 23, 1943 Jan. 16, 1958	N	N	Called "Bepy" well; formerly supplied an old adobe house; caved at 250 feet and dry in 1972. Former Tex. Water Development Board water-level observation well.
319	do	L. W. Stratton	1949	363	16	QTal	3,970	168.04 115.90 259.55	May 3, 1950 Feb. 9, 1951 Jan. 17, 1973	N	N	Log shows mostly clay or shale to 295 feet; and interbedded shale, sand, and gravel 295-385 feet; gamma-ray log. Former Tex. Water Development Board water-level observation well. ³
320	M. A. Gamble	Fred Scroggins	1949	350	16	QTal	3,972	100R 167.84	May 1949 May 2, 1950	N	N	Destroyed; former Tex. Water Development Board water-level observation well.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COM- PLET- ED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
HL-51-10-321	Brewster Farms	Jim Williams	1949	355	14	QPa1	3,978	85.09 100.41	June 21, 1949 Mar. 7, 1952	N	N	Reported drawdown of 30 feet pumping 1,100 gal/min in 1949; log shows alluvium to total depth; destroyed; replaced by well HL-51-10-324; 50 feet west. Former Tex. Water Development Board water-level observation well. ³
322	do	do	1948	385	14	QPa1	3,981	101.30 121.28 116.70	June 21, 1949 Nov. 17, 1950 Feb. 9, 1951	T, Ng	Irr	Reported drawdown of 75 feet pumping 900 gal/min in 1950; discharged 860 gal/min 4-11-73. Former Tex. Water Development Board water-level observation well.
323	I. W. Smallwood	--	--	--	16	QPa1	3,971	141.78 203.50 248.48	Jan. 23, 1954 Feb. 10, 1962 Dec. 8, 1972	T, Ng	Irr	Discharged 640, 940, and 540 gal/min 8-16-68, 1-17-73, and 4-11-73, respectively; Tex. Water Development Board water-level observation well.
324	Brewster Farms	Brewster Farms	1966	605	16	QPa1	3,985	202.23 231.13	Jan. 17, 1967 Jan. 18, 1973	T, Ng	Irr	Casing slotted 350-605 feet; gravel packed; set 290 feet 10-inch column pipe and 5 stages of 14-inch bowls. Tex. Water Development Board water-level observation well.
325	I. W. Smallwood	--	--	500	16	QPa1	3,978	233.2	Jan. 11, 1972	T, Ng	Irr	Deepened 325-500 feet by L. Hoskins in 1973; set 240 feet 14-inch liner, slotted 280-500 feet, and 380 feet 8-inch column pipe; reported maximum yield is 500 gal/min.
326	W. A. Gamble	Fred Scroggins	1949	400	16	QPa1	3,975	256.1	do	T, Ng	Irr	Set 300 feet slotted casing.
327	do	--	--	--	16	QPa1	3,970	247.8	do	T, Ng	Irr	Discharged 990 gal/min 6-14-67; casing set below 100 feet in 1972.
328	I. W. Smallwood	L. W. Stratton	1948	354	18	QPa1	3,980	93R 92R	1948 1971	S, E, 1.5	D	Drilled for irrigation. Casing: 18-inch to 260 feet, slotted 80-110 feet and 160-260 feet; 14-inch 254-354 feet, slotted 300-354 feet; reported drawdown of 47 feet discharging 1,300 gal/min for 6 days in 1948. Owner reports casing is plugged at 318 feet and pump is set at 130 feet in 1971; well taps perched zone containing slightly saline water. ³
329	C. L. Bell	--	old	129	6	QPa1	3,970	92.87 110.75	Aug. 26, 1943 Mar. 7, 1952	N	N	Formerly State well no. HL-51-11-104; former Tex. Water Development Board water-level observation well. Plugged at 105 feet and dry in 1973.
330	John Harper	--	old	160	6	QPa1	3,979	80.4 91.07	Aug. 26, 1943 Feb. 9, 1951	N	N	Formerly State well no. HL-51-11-105; former Tex. Water Development Board water-level observation well. Dry in 1973.
331	C. L. Bell	Threatt	1949	411	16	QPa1V?	3,985	79.74 157.34 200.25	June 22, 1949 Feb. 7, 1963 Jan. 16, 1973	T, E, 150	Irr	Formerly State well no. HL-51-11-101. Drawdown of 47 feet pumping 1,090 gal/min in 1951; pumping 1,630 gal/min from 10-inch pipe in 1973; Tex. Water Development Board water-level observation well. ²
332	Barnabus (Joe) Smallwood	Travis Snyder	1959	305	16	QPa1	3,975	190.46 252.85	Feb. 10, 1961 Jan. 16, 1973	T, Ng	Irr	Formerly State well no. HL-51-11-103; reported drawdown of 18 feet pumping 476 gal/min for 24 hours in 1960. Tex. Water Development Board water-level observation well.
333	Morton Bros.	--	1958	350	16	QPa1	3,976	--	--	T, Ng	Irr	Formerly State well no. HL-51-11-104; discharged 525 gal/min 4-10-73; subsequently added 20 feet 8-inch column pipe (327 feet total) and reportedly pumped a full pipe.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
✓ HL-51-10-334	J. H. Harper	R. A. Foster	1964	312	16	QTal	4,004	186.07 205.79	Nov. 8, 1966 Jan. 13, 1973	T, Ng	Irr	Formerly State well no. HL-51-11-106; casing slotted to total depth; estimated discharge 700 gal/min 1-16-73; driller reported alluvium to 312 feet and hard rock (volcanics?) below. Tex. Water Development Board water-level observation well.
✓ 335	Pete Green	Ted Lindeman	1949	267	16	QTalTv	4,003	93R 161.15 208.47	Sept. 15, 1949 Feb. 10, 1961 Jan. 17, 1973	T, Ng	Irr	Owner's no. 5; driller reported lava wash 234-240 feet, lava 240-262 feet, and black lime 262-267 feet; water from "moneycrumb" rock; casing slotted 67-267 feet; has 240 feet 10-inch column pipe. Discharged an estimated 1,400 gal/min 4-10-73; Tex. Water Development Board water-level observation well.
✓ 336	William B. Sauer	Fred Scroggins	1962	300	14	QTal	3,977	249.0	Jan. 12, 1972	T, Ng	Irr	Set 270 feet 8-inch column pipe; discharged 555, 444, and 360 gal/min 8-11-66, 7-19-67, and 8-13-68.
401	Tom Bennett	--	1940's	83	6	Tv	4,700	60.7	Dec. 1, 1972	C, W	D, S	South well of 2 at Carpenter Lodge; specific conductance, field test 570 umho/cm.
✓ 601	Jones Bros.	L. W. Stratton	1949	375	16	QTalTv	4,012	93R 149.21 178.45	Oct. 15, 1949 Feb. 10, 1960 Jan. 17, 1973	T, Ng	Irr	Log shows shale, sand, and gravel to 375 feet with "lime" in intervals 208-219 and 221-226 feet. Discharged 570 and 705 gal/min 4-29-68 and 4-11-73, respectively; Tex. Water Development Board water-level observation well. 3
602	Pete Green	do	1955	359	16	QTalTv	4,015	198.4 202.5 205.8	Jan. 10, 1972 Apr. 10, 1972 Jan. 17, 1973	N	N	Drilled to 288 feet and set 16-inch casing; deepened to 387 feet and set 13-inch casing; partial log shows lava 288-298 feet, gray to red shale and gravel 298-369 feet, and lava rock 369-387 feet. Cased or plugged at 359 feet in 1973; gamma-ray log, could not get probe below 359 feet. 3
✓ 603	Roger Arnold & Jack Lacy	--	1950	--	16	QTal	4,043	116.08 175.4 193.44	Feb. 28, 1951 Feb. 7, 1963 Jan. 18, 1973	T, Ng	Irr	Drasdown of 43.6 feet pumping 900 gal/min for 4-1/2 hours 5-19-61; discharged 800 gal/min with pumping level at 244.4 feet 12-1-72; pumping 660 gal/min 5-11-73; aquifer-test data. Tex. Water Development Board water-level observation well.
604	Gary Stratton	L. W. Stratton	1949	368	16	QTalTv?	3,990	86R 160.53 180.10	Nov. 1949 Feb. 10, 1961 Jan. 18, 1973	T, N	N	Casing: 16-inch to 285 feet, 14-inch 275-268 feet; log shows shale, sand, and gravel to 368 feet with an interval of lime and sand 190-203 feet. Tex. Water Development Board water-level observation well. 2, 3
✓ 605	Third Land & Cattle Co.	do	1949	360	14	QTal	4,009	100R 122.40 166.60	Jan. 15, 1949 Mar. 7, 1952 Jan. 18, 1973	T, Ng	Irr	Log shows alluvium to total depth; former Texas Water Development Board water-level observation well. 3
✓ 606	Jack Lacy	do	1950	355	16	QTal	4,048	106.95	Feb. 28, 1951	T, Ng	Irr	Discharged 690 gal/min 3-11-73; obstruction at 120 feet in 1973. Former Texas Water Development Board water-level observation well. 3
607	W. A. Farmer	do	1958	200	16	Tv	4,010	131.68 149.05 160.73	Feb. 10, 1961 Jan. 17, 1967 Jan. 17, 1973	T, Ng	Irr	Reported sand and clay to 154 feet; volcanic rock yields most of the water from 154-190 feet; and clay 190-200 feet. Reported 10 feet of drasdown pumping 2,400 gal/min in 1960; Tex. Water Development Board water-level observation well.
608	C. D. Wyche	do	1949	397	16	QTalTv	4,023	111.57 173.67	May 2, 1950 Dec. 7, 1972	T, E, 100	Irr	Log shows alluvium to 60 feet, broken limestone 60-65 feet, and alluvium with stringers of lime and lava rock 65-397 feet. Former Tex. Water Development Board water-level observation well. 3

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (FEET)	DIAMETER OF CASING (IN.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (FEET)	WATER LEVEL		METHOD OF MEASUREMENT	USE OF WATER	REMARKS
								ABOVE OR BELOW SURFACE DATUM (FEET)	DATE OF MEASUREMENT			
✓ HU-51-10-609	Jack Lacy	--	--	--	14	QTal	4,037	195.6	Dec. 2, 1971	T, Ng	Irr	Discharged 805, 640, and 760 gal/min 8-11-66, 11-29-68, and 4-11-73.
610	Third Land & Gattle Co.	--	1957	185	6	QTal	4,002	75.52 169.90 152.85	Feb. 9, 1951 Dec. 2, 1971 Jan. 18, 1973	C, W	S	Former Tex. Water Development Board water-level observation well.
✓ 611	do	--	--	--	14	QTal	4,002	156.6	do	T, Ng	N	Not pumped in 1972-73.
✓ 612	Dick Guest	L. W. Stratton	1949	340	16	QTal	4,030	184.3	Dec. 2, 1971	T, Ng	Irr	Log shows alluvium to total depth. 3
✓ 613	do	--	--	350	16	QTal	4,022	175.6	Nov. 30, 1971	T, Ng	Irr	Discharged 600 gal/min 1-18-73.
✓ 614	Third Land & Gattle Co.	H. E. Stanton	1971	625	16	QTalTv?	4,033	146.2 150.7	Dec. 1, 1971 Jan. 17, 1973	T, E, 1,2,3	Irr	Formerly State well no. HU-51-11-102. Casing slotted 320-625 feet; gravel packed; pumping level at 177.9 feet discharging 960 gal/min 12-10-71. Log shows alluvium to 100 feet; volcanic rock 100-260 feet; and yellow clay, gravel, and rock 260-625 feet. 3
615	Jack Lacy	L. W. Stratton	1950's	335	16	QTal	4,018	172.78 174.82 176.50 180.41	Jan. 13, 1970 Jan. 18, 1971 Mar. 6, 1972 Feb. 21, 1973	N	N	Unused irrigation well; water-level recorder installed in 1969; gamma-ray log. Tex. Water Development Board water-level observation well.
✓ 616	C. D. Wycbe	do	1949	383	16	QTalTv?	4,033	116.8 177.54	Apr. 15, 1949 Feb. 10, 1969	N	N	Formerly State well no. HU-51-11-401; pumping level at about 140 feet discharging 850 gal/min for 30 days in 1949; abandoned. Has railroad tie in casing at 170 feet in 1972. Log shows alluvium to 383 feet with "black lime" (volcanics?) in interval 123-176 feet. Former Tex. Water Development Board water-level observation well. 3
✓ 617	do	do	1949	381	16	QTalTv?	4,025	95.32 98.97 160.75 162.36	June 22, 1949 Feb. 28, 1951 Dec. 2, 1971 Jan. 17, 1973	T, E, 100	Irr	Formerly State well no. HU-51-11-404; log shows alluvium to 384 feet with interval of "black lime" 127-145 feet; discharged an estimated 900 gal/min in 1973. Former Tex. Water Development Board water-level observation well. 3
✓ 618	Pete Green	Ted Lindeman	1949	417	16	QTal	4,028	116.8 110.52	Sept. 1949 Nov. 17, 1950	T, Ng	Irr	Formerly State well no. HU-51-11-405. Casing: 16-inch to 361 feet and 12-3/4-inch 356-622 feet; slotted 110-160 feet and 265-417 feet; partial log shows alluvium 249-417 feet. Discharged 842, 390, 598, and 520 gal/min 9-12-51, 8-11-66, 7-19-67, and 4-29-68. Former Tex. Water Development Board water-level observation well. 3
619	Jones Bros.	--	--	--	16	QTal	4,008	--	--	T, Ng	Irr	Formerly State well no. HU-51-11-406; discharged an estimated 740 gal/min 3-11-73.
620	C. D. Wycbe	--	--	--	16	QTal	4,030	154.4 156.4	Dec. 1, 1972 Jan. 17, 1973	T, Ng	Irr	--
621	Gary Stratton	L. W. Stratton	1950	--	14	QTal	3,993	110.2 191.0	Feb. 28, 1951 Jan. 5, 1972	T, Ng	Irr	--
622	Arnold & Lacy	--	1952	--	14	QTal	4,030	146.5 150.2	Nov. 30, 1971 Jan. 18, 1973	T, Ng	Irr	--
✓ 623	James Lane	R. A. Foster & J. M. Wilkes	1974	--	14	QTalTv	3,989	--	--	T, Ng	Irr	Drill samples indicate younger alluvium to 320 feet, older poorly-sorted alluvial fill and interbedded volcanics 320-685 feet; chips of reddish brown to gray and olive green rhyolite or andesite at 615 and 635 feet; gamma-ray log to 411 feet.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW (-) SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
J/ HL-51-10-901	Thomas Griffen	--	1953	400	16	QTa1	4,050	133.60 168.90 189.35	Jan. 26, 1953 Jan. 27, 1965 Jan. 18, 1973	T, G	Irr, S	Pumped only for stock supply in 1972-73; Tex. Water Development Board water-level observation well. ²
902	do	L. W. Stratton	1950	400	--	QTa1	4,047	129.80 170.23	June 11, 1950 Jan. 17, 1967	N	N	Destroyed irrigation well; log shows alluvium to total depth. Former Tex. Water Development Board water-level observation well. ³
903	C. D. Wychie	--	1956	--	12	QTa1	4,053	161.07 150.96 161.51	Feb. 10, 1961 Jan. 27, 1965 Jan. 18, 1973	T, G	N	Formerly State well no. HL-51-11-701; not pumped in 1972-73. Tex. Water Development Board water-level observation well.
J/ 904	Third Land & Cattle Co.	--	--	4207	16	QTa1	4,047	180.6	do	T, Ng	Irr	Formerly State well no. HL-51-10-614; pumping 650 gal/min 4-1-73.
11-101	John Sparks	--	--	--	10	QTa1Tv	4,020	214.2	Jan. 16, 1973	S, E	D, S	Drilled on north side of Solo Hill, outcrop of volcanic (trachyte) rock.
102	Kesey-Melnacht	--	--	455	16	QTa1Tv	4,062	259.2	do	N	N	Unused irrigation well.
301	J. F. Garren	J. H. Barrow	1971	275	7	Tv	4,410	55R	1971	S, E	S	Casing slotted 175-275 feet; log shows dirt to 10 feet and mostly gray to red rock below; reported water in gravel stringers at 110-111 feet and 200-201 feet; pump set at 250 feet. ³
401	Kesey-Melnacht	--	old	230	5	Tv	4,202	205.8	Jan. 16, 1973	C, W	S	--
J/ 402	Pete Green	L. W. Stratton	1949	390	16	QTa1Tv	4,042	120R 141.06 181.58	Sept. 1949 May 10, 1950 Jan. 17, 1973	T, Ng	Irr	Owner's no. 6; reported weak supply; set 6-inch column pipe; log shows alluvium to 227 feet and interbedded lime, lava, gravel, and shale 227-390 feet. Former Tex. Water Development Board water-level observation well. ³
J/ 403	Third Land & Cattle Co.	L. W. Stratton	1949	422	16	QTa1Tv	4,042	105.78 158.98 179.07	June 22, 1949 Feb. 10, 1972 Jan. 17, 1973	S, E, 1	D, S	Drilled for irrigation, reported pumped 300 gal/min in 1950; converted to domestic well in 1954; log shows alluvium to 422 feet with interval of red rock 68-85 feet. Tex. Water Development Board water-level observation well. ^{2,3}
PS-51-11-801	C. C. Means	--	old	345	8	Tv	4,222	319.4	June 23, 1972	C, W	S	Called "Segundo" well.
901	do	--	old	470	8	Tv	4,416	434.3	do	C, W	S	Called "Grosby" well; discharged 1.75 gal/min 6-23-73; specific conductance, field test 440 umho/cm.
12-201	do	--	--	180	5	Tv	4,338	166.6	June 22, 1972	C, W	S	Called "Hogeye" well; specific conductance, field test 900 umho/cm.
J/ 301	M. O. Means	--	--	87	6	Qa1?	4,243	77.6	do	S, E, 1,5	S	Called "Creek" well; located on east bank of Hunton Draw at ranch headquarters.
501	C. C. Means	--	--	400	6	Tv	4,465	386.1	do	C, W	S	Called "Esperanza" well; specific conductance, field test 550 umho/cm.
801	do	--	--	350	6	Tv	4,408	326.2	Mar. 27, 1972	C, W	S	Called "Venture" well; discharged 3 gal/min 3-28-72; specific conductance, field test 450 umho/cm; reported water is corrosive.
901	do	--	old	59	6	Qa1?	4,443	25.6	June 23, 1972	N	N	Called "Mayfield" well; formerly supplied abandoned ranch house; reported weak supply.
13-501	M. O. Means	--	--	450	6	Tv	4,445	412R	1959	C, W	S	Called "Balls" well; pump set at 440 feet; discharged an estimated 5 gal/min 5-30-59.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (FT.)	DIAMETER OF CASING (IN.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (FT.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE OR BELOW SURFACE DATUM (FT.)	DATE OF MEASUREMENT			
PS-51-13-701	M. O. Means	--	--	400	6	Tv	4,403	3278	1958	C, W	S	Called "Nine-mile" well; 16-foot mill and 3-inch column pipe.
PD-51-17-201	Moody Bennett	John McSpadden	1947	113	6	QTal?	3,600	110.8	Mar. 13, 1974	C, W	S	Owner's no. 6 well.
202	Bailey Evans	--	--	234	6	QTal?	3,719	227.6	do	C, W	S	Called "Esccondido" well.
301	Huber Corp.	L. W. Stratton	1950's	455	5	QTal?	3,906	432.1	do	C, W	S	Owner's no. 18, pumping 6 gal/min 3-13-74.
501	Moody Bennett	--	--	spring	--	Qal	3,383	F	--	N	S	"Mesquite" spring; estimated flow 12-15 gal/min in 1-74 and 3-74; specific conductance, field test 440 umho/cm.
PS-51-17-601	Bailey Evans	John McSpadden	1947	230	6	R or Tv?	3,670	190.8	Mar. 14, 1974	C, W	S	Owner's no. 3; reported drilled into hard rock with blue-gray and brown rock below.
701	Moody Bennett	L. W. Stratton	1954	100	16	Qal?	3,152	30.8	Mar. 12, 1974	T, E, 30	Irr	Reported discharged 1,500 gal/min, pumping level about 54 feet in 1961 and 64 feet in 1974; log shows soil and conglomerate to 10 feet and alluvium below.
702	do	do	1954	100	16	Qal?	3,145	29.5	do	T, E, 30	Irr	Set 20-inch casing with 16-inch liner; packed annulus with gravel; reported water from intervals 36-45 feet and 8-100 feet; large black boulders from about 84-92 feet (main water zone).
PS-51-17-801	do	Fred Scroggins	1963	130	6	QTal	3,206	113.6	do	C, W	S	--
901	Bailey Evans	John McSpadden	1946	237	6	Tv or K?	3,634	206.6	Mar. 14, 1974	C, W	S	Owner's no. 1, wooden tower; located on gravel-scaped ridge with volcanics and conglomerate below; reported drilled into white lime and hard conglomerate.
902	do	do	1946	275	6	Tv or K?	3,637	233.5	do	C, W	S	Owner's no. 4; reported strong supply and good quality.
903	do	--	--	spring	--	Qal?	3,360	F	--	--	--	"Catalpa" spring; estimated flow 3 gal/min 3-13-74; specific conductance, field test 650 umho/cm.
PS-51-19-101	H. & C. Thunfisch	L. W. Stratton	1949	448	16	QTal	4,085	1348 176.60	Apr. 1950 Jan. 24, 1964	S, E, 3/4	D	Drilled for irrigation; reported pumped 650 gal/min in 1950; converted to domestic supply; log shows alluvium to total depth; well is partly plugged. Former Texas Water Development Board water-level observation well. 3
102	do	do	1951	436	14	QTal	4,083	142.71 186.43 185.65	Feb. 28, 1951 Apr. 13, 1972 Jan. 19, 1973	T, G	Irr	Casing slotted 100-430 feet; set 6-inch column pipe; reported pumped 200-300 gal/min in 1951; former Texas Water Development Board water-level observation well.
103	Third Land & Cattle Co.	--	old	--	6	QTal	4,093	142.55 145.05 150.95	July 21, 1943 Feb. 9, 1951 Mar. 7, 1952	N	N	Abandoned and replaced by well PS-51-19-110. 25 feet west; former Texas Water Development Board water-level observation well.
104	Olen Lane	L. W. Stratton	1950	480	16	QTal	4,092	136.35 182.48 201.90	May 2, 1950 Feb. 10, 1962 Jan. 19, 1973	T, E, 100	Irr	Set 16-inch casing to 322 feet and 12-inch 290-680 feet; perforated 322-480 feet. Drawdown of 53 feet pumping 770 gal/min for 7 days in 8-51; Texas Water Development Board water-level observation well. 2, 3
105	John Hancock Co. (Ted Brewster)	do	1950	500	16	QTal	4,094	141.14 175.40	May 2, 1950 Feb. 10, 1961	T, G	Irr	Casing 16-inch to 377 feet, 12-inch 356-500 feet; perforated 429 feet of pipe; log shows shale, sand, and gravel to total depth; specific conductance, field test 340 umho/cm. Reported pumped 100 gal/min in 1950; former Texas Water Devel. Board water-level observation well. 3

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
PS-51-19-106	John Hancock Co. (Ted Brewster)	--	--	--	14	QTal	4,093	157.63 160.69	Jan. 24, 1950 Jan. 19, 1950	T, C	Irr	Former Texas Water Development Board water-level observation well.
107	do	L. W. Stratton	1950	--	--	QTal	4,094	141.13 142.20	Apr. 18, 1950 May 2, 1950	N	N	Drilled to 282 feet, well cased, casing pulled and well abandoned in 1955. Former Texas Water Development Board water-level observation well. ³
108	do	do	1949	450	16	QTal	4,092	139.91 142.30 139.99	Apr. 18, 1950 Feb. 9, 1951 Jan. 24, 1955	N	N	Casing: 16-inch to 307 feet, 14-inch 280-450 feet; reported tested at 1,100 gal/min when drilled; cased at 183 feet in 1972; log shows shale, sand, and gravel to total depth; gamma-ray log to 183 feet. Former Texas Water Development Board water-level observation well. ³
109	Third Land & Cattle Co.	--	1937	355	7	QTal	4,118	149.7 196.06 235.83	July 21, 1943 Jan. 29, 1957 May 17, 1973	C, W	S	Former Texas Water Development Board water-level observation well.
110	do	--	1953	235	6	QTal	4,093	168.50 209.40	Jan. 19, 1956 Apr. 13, 1972	C, W	S	Former Texas Water Development Board water-level observation well.
111	John Hancock Co. (Ted Brewster)	--	--	--	14	QTal	4,098	206.7	Jan. 19, 1973	T, E, 75	Irr	Discharged 390 gal/min 4-13-72; specific conductance, field test 390 umho/cm, temperature 72°F.
112	J. W. Orr, et al (Orr Land)	--	--	--	14	QTal	4,103	--	--	T, E, 100	Irr	Specific conductance, field test 280 umho/cm, temperature 73°F.
113	H. J. & C. L. Thumftech (Rugent & Ivey)	Brewster Bros.	1966	660	16	QTal	4,080	186.0	June 22, 1972	T, E, 30	Irr	Casing perforated 210-660 feet; set 280 feet 6-inch column pipe; reported discharge 440 gal/min in 1966; specific conductance, field test 280 umho/cm; log shows shale, sand, and gravel to total depth. ³
201	J. W. Orr, et al	--	old	151	6	QTal	4,062	124.3 147.60	July 21, 1943 Jan. 17, 1958	N	N	Dry hole in 1940, formerly supplied Chispa-Van Horn Creek railroad spur. Former Texas Water Development Board water-level observation well.
202	C. C. Means	L. W. Stratton	1969	425	6	QTal	4,105	158.5 208R	Aug. 23, 1963 1969	S, E, 1.5	D, S	Replaced old well, 189 feet deep at this location; water level measured in 1943 was in abandoned well; set 273 feet of column pipe.
203	do	Emmitt Horrell	1948	447	16	QTal	4,102	159.3 190.43 209.07	Feb. 28, 1951 Feb. 10, 1953 June 16, 1973	T, E, 75	Irr	Casing: 16-inch to 304 feet, 14-inch to 447 feet, slotted 304-447 feet; set 250 feet 8-inch column pipe. Texas Water Development Board water-level observation well. ³
301	John Eudy	L. W. Stratton	1950	585	16	QTal	4,139	197.29 230.82 247.59	June 13, 1950 Feb. 10, 1962 Jan. 19, 1973	T, E, 100	Irr, D, S	Set 290 feet 8-inch column pipe and 5 stages of 8-in. bowls; discharge of 33 feet pumping 950 gal/min for 28 hours 8-19-51. Reported pumping level at 272 feet discharging 990 gal/min for 2-3 weeks 4-67; irrigated 350 acres from 2 wells in 1973. Texas Water Development Board water-level observation well. ²
302	Jim Cook	Fred Scroggins	1953	830	16	QTal	4,130	194.75 196.58 225.85	Jan. 24, 1955 Jan. 19, 1956 Jan. 19, 1973	T, E, 50	Irr, D, S	Set 300 feet 6-inch column pipe; former Texas Water Development Board water-level observation well.
303	John Eudy	do	1953	483	16	QTal	4,127	204.65 235.55 237.79	Jan. 19, 1956 June 20, 1972 Jan. 19, 1973	T, E	Irr	Set 290 feet 8-inch column pipe; discharged 835 gal/min 6-16-73. Former Texas Water Development Board water-level observation well.
304	C. C. Means	--	old	312	5	QTalIV	4,184	282.7	June 21, 1972	C, W	S	Called "Verendo" well.
801	J. K. Miller Est.	--	1930	450+	6	QTalIV	4,416	220.6	Sept. 26, 1972	C, W	S	Called "Verendo" well; specific conductance, field test 500 umho/cm.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Holson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW (-) DATUM (ft.)	DATE OF MEASUREMENT			
PS-51-19-901	R. C. Ridley Est.	--	--	--	5	Qta1	4,173	163.0	Sept. 27, 1972	C, W	S	--
902	J. K. Miller Est.	--	1931	170	6	Qta1	4,197	109.35 114.82	Jan. 24, 1955 Dec. 7, 1972	C, W	S	Formerly State well no. PS-51-27-301; owner's "bo-section" well. Texas Water Development Board water-level observation well.
20-201	C. C. Means	--	--	265	6	Tv	4,440	244.4	June 21, 1972	C, W	S	Called "Ocatea" well.
301	do	--	--	292	5	Tv	4,422	253.3	do	C, W	S	Called "Cros" well.
401	Mrs. Fordbell Est.	--	--	280	6	Qta1Tv	4,205	244.0 254.9	June 21, 1961 Sept. 23, 1972	C, W	S	Discharged 2 gal/min 9-27-72.
402	Southern Pacific Railroad	--	old	270	7	Qta1Tv	4,210	237.4 259.8	Aug. 13, 1948 Sept. 23, 1972	N	N	Formerly supplied section house at Wendell siding.
501	Alfred Means	--	1950's	360	8	Qta1Tv	4,320	329.2	Sept. 25, 1972	C, W	S	Owner's "Sauerkraut" well.
801	do	--	--	375	8	Qta1Tv	4,323	318.9	Sept. 27, 1972	C, W	S	Owner's "Galiche" well; drilled for highway construction; converted to stock well.
21-101	do	--	1942	350	8	Tv	4,488	312.3	Sept. 25, 1972	C, W	S	Called "Butterfield" well; set 345 feet 3-inch column pipe; discharged 3 gal/min 9-25-72.
201	do	--	--	432	6	Tv	4,595	414.4	Sept. 22, 1972	C, W	S	Owner's "Sacehusta" well; reported weak supply.
501	do	--	old	460	7	Tv	4,608	442.0	do	C, W	S	Called "Antelope" well.
701	do	Emmitt Harvell	1950	365	16	Tv	4,532	12.9	Sept. 25, 1972	N	N	Set 16-inch casing to 40 feet (in alluvium?), open hole 40-365 feet (in volcanic?); reported discharge 100 gal/min with pumping level at 130 feet in 1950.
22-701	Lynn Crittendon	--	1942	110	6	Tv	5,058	78.6	Oct. 10, 1972	C, W	S	Owner's "Pipeline" well; set 100 feet 3-inch column pipe; discharged 2 gal/min 10-10-72.
801	do	--	1950's	200	8	Tv	5,130	139.6	do	T, G	B, S	North well at ranch headquarters; reported discharge 125 gal/min; pumps air at 200 gal/min.
1W-51-25-201	L. Moody Bennett	John McSpadden	1950	48	16	Qa1	3,084	14.0	Mar. 19, 1974	T, E	Irr	Originally drilled to 70 feet and ceased to 60 feet, perforated 20-60 feet, open hole below, filled in to 48 feet in 1974; set 40 feet 10-inch column pipe. Measured 2,000 gal/min in 1974; pumping water level 41.8 feet in 1981.
202	do	--	--	68	16	Qa1	3,082	6.3	Mar. 18, 1974	T, E	Irr	Originally drilled to 70 feet; 10-inch pump set at 57 feet; 1,000 gal/min measured, 20 gal/min/ft specific capacity reported in 1974.
203	do	Wayne Blasir	1971	70	5	Qa1	3,115	30.9	do	S, E	S	Estimated 12-15 gal/min in 1974; field specific conductance 3,300 umho/cm, temperature 21°C.
204	do	do	1970	51	5	Qa1	3,081	11.5	do	N	N	Originally drilled to 80 feet.
205	do	John McSpadden	1952	65±	16	Qa1	3,075	4.6	Mar. 20, 1974	N	N	Irrigation well unused since 1956; 800-900 gal/min estimated in 1956; water salty.
PS-51-25-301	do	--	--	spring	--	--	3,235	--	--	--	S	Ash Spring, 10-15 gal/min estimated in 1974.
302	do	--	--	spring	--	--	3,230	--	--	--	S	Swampy area west of Ash Spring about 40 feet in diameter; 3-4 gal/min estimated in 1974; field specific conductance 600 umho/cm, temperature 25°C.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Plat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
UM-51-25-303	L. Moody Bennett	L. W. Stratton	1953	100	6	Qa1	3,129	55.8	Mar. 17, 1974	S, E	D	South of 2 wells; pump set at 97 feet; field specific conductance 2,200 umho/cm, temperature 21.5°C.
305	Jim Barrow	Poker Harris	1952	54	18	Qa1	3,082	14.4	Mar. 20, 1974	N	N	Unused irrigation well, north of 2 irrigation wells; originally drilled to 112 feet, cased and perforated 0-110 feet, cased in; 900 gal/min reported in 1950's, field specific conductance of bailed sample 3,000 umho/cm.
306	do	do	1952	40	18	Qa1	3,077	10.98	do	T	N	Unused irrigation well, not completed; cased and perforated 0-40 feet; 8-inch pump set at 35 feet.
601	Dick Guest	--	1950's	60	16	Qa1	3,062	8.2	June 5, 1974	T, E	Irr	10-inch pump; 1,000 gal/min and salty water reported.
602	do	--	--	204	18	QTa1	3,063	6.6	do	J, E	S	Irrigation well used for stock supply; 18 gal/min measured in 1974.
603	do	--	--	96	14	Qa1	3,063	7.8	do	T, E	N	Unused irrigation well; 8-inch pump; field specific conductance 4,000 umho/cm, temperature 19°C.
604	do	--	--	83	8	Qa1	3,102	51.2	do	C, W	S	--
605	do	Donham Drilling Co.	1963	23	18	Qa1	3,065	8.9	do	T	N	Unused irrigation well, originally drilled to 75 feet and cased and perforated 0-62 feet, filled in with silt; 8-inch pump; salty water reported. <u>3</u>
606	do	R. A. Foster	1963	120	8	QTa1	3,075	30R	Aug. 6, 1963	C, E	D, S	Cased to 120 feet, perforated 90-118 feet. <u>3</u>
901	do	--	1940's	37	5	Qa1	3,060	17.7	June 5, 1974	C, E	D, S	Field specific conductance of water in tank 6,000 umho/cm.
PS-51-27-301	J. K. Miller Est.	Chil Ridley	1949	304	16	QTa1	4,215	94.48 96.52 99.70 102.47	Jan. 24, 1955 Jan. 31, 1957 Jan. 1, 1958 Sept. 26, 1972	T, G	D, S, Irr	Formerly State well no. PS-51-27-602; set 150 feet 10-inch column pipe, 3 stages of 14-inch boots; reported pumps 1,000 gal/min. Former Texas Water Development Board water-level observation well.
302	do	L. W. Stratton	1948	425	20	QTa1	4,254	78.31 80.62 70.70	Jan. 24, 1955 Jan. 27, 1965 Dec. 7, 1972	T, G	Irr	Formerly State well no. PS-51-27-604. Casing: 20-inch to 200 feet; 7-inch 200-425 feet, slotted; reported main water zone is gravel in interval 200-285 feet; log shows alluvium to total depth. Drawdown of 49 feet pumping an estimated 250 gal/min 9-16-60, reported discharge 375 gal/min in 1970. Texas Water Development Board water-level observation well. <u>3</u>
501	do	--	1945	275	8	Tv	4,473	227.1	Sept. 26, 1972	C, W	S	Owner's "Hooseveldt" well.
601	do	--	--	147	6	QTa1Tv	4,358	131.8	do	C, W	S	Owner's "Cyclone" well.
UM-51-27-602	Clay Miller	--	1951	195	6	QTa1Tv	4,424	173.1	Nov. 10, 1972	N	N	Standby well for ranch headquarters.
603	do	--	--	spring	--	Tv	4,600	F	--	N	D, S	Lower Z-l Canyon spring, supplied calvary station during early 1900's; water is piped to ranch headquarters for domestic and stock supply. Estimated 360 gal/min flow, 500 feet upstream from diversion point 11-10-72.
801	do	--	--	spring	--	Tv	5,150	F	--	N	N	Upper Z-l Canyon spring; estimated flow 3 gal/min 3-25-55.
PS-51-28-101	Mrs. Fordbell Est.	--	--	325	5	QTa1Tv	4,290	291.8	Sept. 26, 1972	C, W	S	--
301	Priest & Peavyhouse	--	--	320	5	QTa1Tv	4,370	307.4	Sept. 27, 1972	C, W	S	--

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
✓ PS-51-28-302	Two-Bar Land & Cattle Company	Wheeler Cass	1975	922	16	Quality	4,372	312R	June 1975	T, E, 500	Irr	Owner's test no. 10, well no. 1; set 16-inch blank casing to 330 feet, slotted 330-670 feet; set 10-inch slotted casing 650-730 feet; open hole 730-922 feet in black volcanic rock. Set 500 feet 10-inch column pipe; reported pumping 1,400 gal/min 4-76. 3
✓ 601	Alfred Rooseveidt	James Cass	old	435	6	Quality	4,360	305.2 313.7	Mar. 24, 1955 Apr. 24, 1972	C, W	S	Called "Yaca Muerte" well; reported weak supply; deepened 360-435 feet in 1972.
✓ 602	do	--	1931	107	6	Quality	4,325	--	--	C, W	S	Called "Pokey" well; taps shallow alluvial or lake deposits.
✓ 603	Two-Bar Land & Cattle Company	Wheeler Cass	1975	620	16	Quality	4,332	--	--	T, E, 250	Irr	Owner's test no. 8, well no. 2. Casing: 16-inch to 620 feet, slotted 300-620 feet. Reported 801 to 10 feet, clay and gravel streaks 10-190 feet, gravel and clay 190-560 feet, and black rock (water from crevice) 560-620 feet; set 500 feet 10-inch column pipe. Reported 1,250 gal/min for 12 hours during development test; electric log. 3
✓ 604	do	Dick Baker	1974	450	5	Quality	4,355	--	--	--	S	Owner's test hole no. 9 drilled to 910 feet; reamed hole to 450 feet and set 5-inch casing; will be used for stock supply. Electric log to 910 feet; reported clay, sand, and gravel to 835 feet and basalt 835-910 feet. 3
✓ UW-51-28-701	King Ranch, Inc.	Chil Ripley	1956	1,001	7	Tv	4,535	382.3 383.4	Mar. 1956 Apr. 18, 1974	N	N	U.S. Army Corps of Engineers test hole 3-A, Vieja Peak project; drilled to 505 feet, set 7-inch casing, slotted 384-505 feet. Pumped an average of 16.3 gal/min for 100 minutes and had 107.7 feet drawdown 2-23-56; aquifer-test data. Deepened to 1,001 feet, set 5-1/2-inch liner, slotted 384-1,001 feet; pumped an average of 13.3 gal/min for 14 hours and had 422 feet drawdown. Pulled 5-1/2-inch casing and capped well; log shows gravel and boulders to 73 feet; aluminum and tuff 73-87 feet; and tuff, tuffaceous sandstone, bentonitic clay, and minor amounts of rhyolite 87-1,001 feet.
✓ 801	Alfred Rooseveidt	--	old	400	7	Quality	4,325	263.2	Nov. 9, 1972	S, E, 2	D, S	South well of 2 at ranch headquarters.
✓ 901	Worth Evans	Lee Murphy Drilling Co.	1971	320	6	Quality	4,355	212.3 211.2	Mar. 22, 1955 Sept. 10, 1973	C, W	S	Replaced old well 280 feet deep at this location; water sampled and water level measured in old well in 1955. Log shows clay, sand, and gravel to 180 feet; volcanic rock 180-198 feet; and clay, sand, and gravel 198-320 feet. 3
✓ 902	Clay Evans	Hayden-Farmer Drilling Company	1974	375	2	Quality	4,370	224.4 223.0 223.6	May 1, 1973 June 19, 1974 Mar. 15, 1976	N	N	U.S. Geological Survey Clay Evans no. 1 water-test hole; drilled and logged to 2,000 feet; progressively plugged back and jetted. Water samples from intervals 1,135-1,165, 971-1,001, 850-880, and 345-375 feet, respectively; set 225 feet 10-3/4-inch casing and 375 feet 2-inch, slotted 345-375 feet. Sample, electric, caliper, drill-time, and radioactive logs.
29-101	Alfred Means	--	old	295	5	Quality	4,455	211.1 211.4	Sept. 22, 1972 Aug. 14, 1973	S, E, 1.5	S	Called "Mutch girl" well; discharged 3 gal/min with pumping level at 238.6 feet 4-11-72; water level recovered to 215.7 feet with well shut down 20 minutes.
102	Cole Means	O. H. Killiam	1951	8,370	--	--	4,448	--	--	--	--	Oil test O. H. Killiam Cole Means no. 1; reported alluvial deposits to 528 feet; tertiary volcanics 528-6,560 feet; and cretaceous rocks 6,560-8,370 feet. Sample log; electric log 1,099-8,350 feet. 3

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
✓ PS-51-29-103	Valentine Ind. School District	R. A. Foster	1962	407	7	Q ₁ a1	4,443	210R	Oct.	S, E, 3	P	Casing: 10-inch to 80 feet; 7-inch liner surface to 407 feet, slotted 210-385 feet; water level 219 feet 8-14-73 with well pumping intermittently. Supplies school, 4 houses, and irrigates lands.
✓ 104	City of Valentine	Emmitt Harrell	1944	870	8	Q ₁ a1v	4,433	270R	1948	T, E, 25	P	Reported discharge 80 gal/min in 1948, supplied 103 customers in 1973.
✓ 105	Southern Pacific Railroad	Layne-Texas	1937	867	12	Q ₁ a1v	4,426	313.4	Feb. 8, 1974	N	N	Owner's no. 4 well, Valentine station, formerly supplied locomotive boilers and diners. Casing slotted 336-862 feet; reported drawdown of 86 feet pumping 150 gal/min for 18 hours in 1937. Log shows clay, sand, and gravel to 504 feet (alluvium); and rock, clay, sand, and gravel (volcanics?) 504-867 feet; radioactive, caliper, temperature, and fluid-conductivity logs 803-807 feet. ³
401	Worth Evans	--	--	260	5	Q ₁ a1	4,475	241.4	Nov. 6, 1972	C, W	S	Discharged 2-1/4 gal/min 11-6-72; specific conductance, field test 310 umho/cm.
402	do	--	--	345	7	Q ₁ a1	4,435	254.8	Aug. 14, 1973	C, W	D, S	--
✓ 801	do	--	1937	400	7	Q ₁ a1v	4,534	307.3	Sept. 29, 1972	C, W	S	Supplied water for drilling oil test, H. D. Wilcox, Jones and Coffield no. 1; 150 feet east. Oil test drilled to 3,747 feet and abandoned; scout ticket shows "hole full of water" at 2,615 feet and in interval 2,910-2,990 feet (in cretaceous?).
✓ IM-51-29-901	do	--	1950	355	5	Q ₁ a1	4,614	316.4	Nov. 6, 1972	C, W	S	Discharged 3 gal/min in strong wind 1-6-72; specific conductance, field test 270 umho/cm.
✓ PS-51-30-301	Ben Gearhart, Jr.	--	1957	135	4	Tv	5,400	--	--	S, E, 1/2	D, S	Supplies ranch headquarters and waters about half of ranch (80 sections) via pipeline and stock tanks spaced at 3-mile intervals; well is pumped nearly continuously.
✓ 601	Jones Cattle Co.	--	--	10	4	Tv	5,160	F	Nov. 8, 1972	C, W	D, S	South well of two at ranch headquarters; flowing an estimated 5 gal/min over top of casing, 0.5 foot above ground level 11-8-72. Estimated total flow from this well, a dug well, and nearby seeps was 20 gal/min.
801	do	--	1934	457	12	Tv	4,956	363.8	Sept. 28, 1972	N	N	Supplied water for drilling oil test, C. M. Jofner, et al, Jones & Coffield no. 1 at this location; oil test drilled to 5,042 feet and abandoned. Log of oil test shows "granite wash" (slope wash) to 225 feet; mostly lava, conglomerate, gravel, sand, ash, and clay (volcanics) 225-3,844 feet; and hard and soft lime (cretaceous) 3,844-3,977 feet. Reported 4 barrels of water per hour (2.8 gal/min) from volcanic glass at 260 feet and a little water from sand at 1,054 feet. ³
✓ 31-701	Dunham Land Inc. (Barrel Springs Ranch)	--	--	150	5	Tv	5,398	14.0	Nov. 8, 1972	S, E, 15	D, S	--
702	do	--	old	15	48	Tv	5,280	11.2	do	C, W	N	West well at ranch headquarters; dug, rock well to total depth.
✓ IM-51-34-301	Gulf Coast Realty Co.	--	1940's	162	5	Tv	3,612	148.5	June 5, 1974	C, W	S	"Soldier Mill" well; field specific conductance 950 umho/cm.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (Feet)	DIAMETER OF CASING (In.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (Feet)	WATER LEVEL		METHOD OF LEFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW DARTON (Feet)	DATE OF MEASUREMENT			
30-101-34-302	I. T. May	--	1950	500	5	Tv?	3,738	248.6	June 6, 1974	C, W	S	"Quinn 8111" well.
401	Julio Sanchez	--	1974	21	10	Qa1	3,012	5.5	June 16, 1974	Cf, G	Irr, S	Originally drilled to 35 feet; 30 gal/min estimated in 1974.
601	Gulf Coast Realty Co.	--	--	spring	--	--	3,440	F	--	--	D, S	"Quinn Camp" spring; 3 gal/min estimated 6-5-74; field specific conductance 600 umho/cm, 23°C.
901	do	--	--	spring	--	--	3,350	F	--	--	S	"Sitter" spring; 4 gal/min measured 6-9-74; field specific conductance 500 umho/cm, 24°C.
30-101	I. T. May	Diamond McSpadden	1952	150	6	Tv	3,966	81.7	June 5, 1974	C, W	S	"Tunnel Mill" well, originally drilled for water supply for oil test (04-51-35-403); field specific conductance 4,800 umho/cm.
401	do	--	--	spring	--	--	3,720	F	--	--	D, S	"Neaman" spring, 4 gal/min measured 6-6-74; field specific conductance 600 umho/cm, 18°C.
402	do	Stanolind Oil & Gas Co.	1945	5,004	12	--	3,882	--	--	N	N	Stanolind Oil & Gas Co. Presidio Trust no. 1 oil test, electric log 500-5,004 feet.
403	do	N. B. Hunt	1953	8,111	13	--	3,845	--	--	N	N	N. B. Hunt Toole Trust no. 1 (Presidio Trust no. 1) oil test; cased to 324 feet; electric logs 524-8,108 feet.
801	do	--	--	spring	--	--	4,000	F	--	--	S	"White" spring; 3-4 gal/min measured flow 6-9-74; field specific conductance 480 umho/cm, 23°C.
802	do	George McSpadden	1951	450	--	--	3,830	--	--	C, W	S	Good water quality reported.
803	W. R. Lovelace	--	--	spring	--	--	4,000	F	--	--	S	Coldwater spring; 8-9 gal/min estimated in 1974; field specific conductance 350 umho/cm, 17°C.
30-101	King Ranch, Inc.	West Texas Exploration Company	1962	595	5	QTa1Tv	4,540	255R	July 6, 1972	N	N	Owner's test hole no. 4, casing slotted 542-585 feet; log shows clay and gravel to 52 feet; black sand 52-56 feet; volcanic rock 56-63 feet; black sand 63-120 feet; sand and gravel 120-585 feet; and sandstone 585-595 feet. Reported bailed 15 gal/min for 2 hours with no drawdown when drilled. ³
201	do	do	1972	830	7	QTa1Tv	4,536	340R	June 23, 1972	N	N	Test hole no. 2, casing slotted 640-680 feet; log shows soil, clay, sand, and gravel to 123 feet; black pepper sand 123-418 feet; gravel 418-545 feet; sandstone 548-587 feet; sand and gravel 587-772 feet; and sandstone with quartz stringers 772-830 feet. Reported bailed 40 gal/min with no drawdown when drilled. ³
202	Conring	H. D. Wilcox	1946	4,523	--	--	4,483	--	--	--	--	OIL test H. D. Wilcox Conring no. 1; reported base of "lava" at 2,020 feet.
301	Jones & Coffield	H. D. Wilcox, et al	1940	2,384	--	--	4,395	--	--	--	--	OIL test H. D. Wilcox Jones & Coffield no. 3; electric log and driller's reports indicate base of volcanics (top of cretaceous) at 1,965 feet.
302	Nancy Ann Ranch	Virdell Drilling Co.	1966	345	7	QTa1?	4,455	276R	1966	C, W	D, S	Casing slotted 316-345 feet; log shows clay and sand to total depth. ³
401	King Ranch, Inc.	--	1939	390	4	QTa1Tv	--	--	--	--	--	--
501	do	West Texas Exploration Company	1972	740	--	QTa1Tv	4,625	350R	June 29, 1972	N	N	Test hole no. 3; log shows clay, sand, and gravel to 285 feet; volcanic rock 285-275 feet; gravel 275-330 feet; black pepper sand 330-600 feet; and sand with clay streaks 600-740 feet. ³

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
UM-51-36-502	King Ranch, Inc.	West Texas Exploration Company	1972	755	--	Quality	4,660	4688	June 16, 1972	N	N	Test hole no. 1. <u>3</u>
<u>1</u> 601	Nancy Ann Ranch	Wheeler Gas	1971	750	16	Quality	4,520	315R 318R	Nov. 20, 1971 Oct. 1974	T, G	Irr	Drilled 26-inch hole, set 16-inch casing, slotted 450-750 feet, gravel packed with 87 yards; set 400 feet 10-inch column pipe; reported drawdown of 26 feet pumping 1,400 gal/min for 16 hours 10-7-74. Log shows sandy clay to 58 feet; boulders 58-63 feet; and clay, sand, and sandstone 63-750 feet; irrigates 520 acres of pasture and feed. <u>3</u>
<u>1</u> 701	King Ranch, Inc.	--	1945	240	6	Quality	5,440	143.1 131R	Mar. 23, 1955	C, W	S	Called "White" well; set 172 feet of column pipe; water contains high silica content and low total dissolved solids. --
<u>1</u> 37-401	Nancy Ann Ranch	--	old	272	6	--	--	249.2	Mar. 21, 1955	C, W	S	--
501	Gay Howard	H. H. Virdehl	1972	498	5	Quality	--	320R	June 1972	S, E	S	Casing slotted 360-363 feet and 463-466 feet; gravel packed. Log shows hard black rock (volcanic flow) to 20 feet and sand from 20-498 feet. <u>3</u>
<u>1</u> 601	Mrs. Frank Jones	Sam Bedell	1940	372	6	Quality	--	330R	1960	S, E, 2	D, S	East well at ranch headquarters; discharged 12 gal/min 11-7-72.
<u>1</u> 701	Jane White	--	--	330	6	Quality	--	226.3	Oct. 27, 1972	C, W	S	Owner's "Triple" wells; reported strong supply.
702	do	--	--	400	7	Quality	--	361.8	do	C, E, 3/4	S	Owner's "Buddy's" well; discharged 7 gal/min 10-27-72; reported strong supply.
801	Clay Evans	--	--	525	6	Quality	--	431.9	Nov. 6, 1972	C, W	D, S	Discharged 4 gal/min in strong wind 11-6-72; temperature 84°F.
38-401	Brooks Bentley	J. S. McSpadden	1962	450	6	Quality	--	420R 422.05	Nov. 7, 1972	C, E, 5	D, S	Casing slotted 410-450 feet; brief driller's log. <u>3</u>
501	Dunham Land, Inc.	Leatherwood Drilling Co.	1973	3,463	8	--	--	--	--	N	N	Owner's test hole no. 1; electric log 307-3,446 feet, radioactive log 3,100-3,125 feet, fluid resistivity log to 3,000 feet, and temperature log to 2,094 feet.
801	Worth Evans	Sinclair Oil & Gas Co.	1962	9,420	--	--	4,672	--	--	--	--	Oil test Sinclair Oil & Gas Co. Worth Evans no. 1; sample log shows clay, sand, and gravel to 380 feet; and tuff, rhyolite, and basalt 380-4,780 feet. Base of tertiary volcanics (top of cretaceous limestone) at 4,780 feet; sample log to 5,400 feet, electric and caliper logs 4,002-9,424 feet.
42-301	I. T. May	--	--	spring	--	--	3,170	F	--	--	S	Widow spring; flowing an estimated 2-3 gal/min in 1974; field specific conductance 3,800 umho/cm, 25°C.
601	Richard Hooper	Gulf Oil Corp.	1960?	--	3	--	2,967	--	--	C, W	D, S	Seismic shot hole converted to water well, 3 gal/min estimated in 1974; field specific conductance 5,900 umho/cm, 21.5°C.
<u>1</u> 43-101	I. T. May	do	1963	8,815	8	K	3,454	F	--	--	S	Gulf Oil Corp. Swafford no. 1 oil test, drilled and logged to 8,815 feet; bottom-hole temperature at 3,375 feet is 145°F, at 8,283 feet is 170°F, and at 8,815 feet is 213°F; set and cemented 12-1/4-inch casing to 936 feet; reported flow 1,500 gal/min with 2.011 mg/l dissolved solids and temperature of 173°F from a zone in cretaceous rocks at 2,868 feet. Set 8-3/4-inch casing to 3,574 feet, flow estimated at 1,000 gal/min 11-30-65; gamma-ray and sonic logs to 3,550 feet.

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Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
UW-51-43-102	I. T. May	Allen Drilling Co.	1963	720	--	--	--	--	--	--	--	Drilled to 720 feet for supplying water to Swafford no. 1 oil test; reported dry hole; brief driller's log. ³
J/ 201	M. R. Loveless	Gulf Oil Corp.	1964	6,208	7	K	3,236	F	--	--	Irr	Gulf Oil Corp. Presidio Trust "B" no. 1 oil test; formerly State well no. 0W-51-43-501; drilled to 6,208 feet; set and cemented 8-5/8-inch casing to 514 feet and 7-inch to 3,583 feet. Converted to irrigation well; reported flows 2,200 gal/min, water temperature 180°F; gamma-ray log to 3,816 feet.
301	King Ranch, Inc.	--	--	spring	--	TV	4,670	F	--	--	S	Mangrove Canyon spring; 22 gal/min measured 6-8-74; field specific conductance 400 umho/cm, 22°C.
302	M. R. Loveless	--	--	spring	--	TV	4,240	F	--	--	D, S	Headquarters spring; 17 gal/min measured 6-8-74; field specific conductance 500 umho/cm, 22°C.
601	do	--	--	spring	--	TV	3,840	F	--	--	S	McComb spring; 15 gal/min measured 6-7-74; field specific conductance 500 umho/cm, 23°C.
602	do	Boyd Chambers	1958±	15	48	TV	--	F	C, W	C, W	D	Well in area of seeps, estimated flow 2-3 gal/min in 1974; field specific conductance 520 umho/cm.
603	do	--	1962	450	6	TV?	--	--	--	--	D, S	Estimated 3 gal/min in 1974; reported salty water; pump set at about 400 feet.
701	Bill Middleton	H. H. Virdell	1967	35	6	Qn1	2,898	17.2	June 16, 1974	J	N	"West River" well; unused stock well; originally drilled and cased to 37 feet, perforated 17-37 feet; tested at 18 gal/min, reported salty water. ³
44-401	M. R. Loveless	--	--	spring	--	TV	4,560	F	--	--	S	Estimated 3 gal/min in 1974; field specific conductance 400 umho/cm, 21°C.
501	Brite Ranch Trust Est.	J. S. McSpadden	1963	643	5	QTalIV	4,961	543R	Dec. 12, 1963	C, W	S	Set 5-inch casing to 300 feet, open hole 300-643 feet; set 2-inch column pipe to 625 feet. Reported drawdown of 82 feet pumping 5 gal/min for 8 hours in 1963; log shows soil and caliche to 6 feet; broken red rock 6-54 feet; and red, black, and green rock (volcanics) with minor amounts of red and yellow clay 54-643 feet. ³
45-201	Joe Espy	Lewis W. Welch	1952	7,839	--	--	4,735	--	--	--	--	Oil test, Lewis W. Welch Joe Espy no. 1; electric log to 7,836 feet; sample log to 2,390 feet indicates volcanic rock 30-2,390 feet.
601	Nancy D. Cooper	--	--	145	6	TV	--	18.7	Oct. 26, 1972	C, E, I/3	S	South well of 2.
602	--	--	--	350	6	TV	--	89.0	Oct. 27, 1972	C, W	S	North well; set 4-inch column pipe; discharged 12 gal/min with pumping level at 95.8 feet; specific conductance, field test 240 umho/cm.
701	Mrs. H. B. D. Vandevere	--	--	--	6	TV	--	490.0	do	C, E, 5	S	--
901	Brite Ranch	Lewis W. Welch	1953	6,073	--	--	5,057	--	--	--	--	Oil test, Lewis W. Welch Brite no. 1; reported tertiary volcanics to 3,145 feet; cretaceous rocks 3,145-3,962 feet; top of permian dolomite at 4,714 feet; and cambrian at 6,026 feet; electric log to 6,068 feet.
J/ 46-101	do	--	1952	600	5	TV	--	588R	1960	C, W	D, S	West well of 2 at ranch headquarters.

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Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
UW-51-46-102	Brite Ranch	H. H. Virdeell	1971	614	7	Tv	--	579R	1971	S, E, 2	D, S	East well at headquarters; casing slotted 584-614 feet. ³
301	Ken Rolston	--	--	670	6	Tv	--	--	--	C, E, 5	D, S	Specific conductance, lab test 1,000 umho/cm; supplies ranch headquarters.
501	North Evans	--	--	750	6	Tv	--	--	--	C, W	S	Middle well of 3 at this location; specific conductance, lab test 400 umho/cm.
502	do	--	old	578	8	Tv	--	547.3	Oct. 25, 1972	N	N	West well of 3.
51-201	Bill Middleton	H. H. Virdeell	1967	50	6	Qa1	2,890	21.7	June 16, 1974	C	N	"East River" well, unused stock and domestic windmill; originally drilled and cased to 56 feet, perforated 36-56 feet, tested at 50 gal/min by bailing; reported salty water.
301	Boyd Chambers	O. C. Dove	1929	20	42	Qa1	3,230	3.9	June 8, 1974	S, E	D, S	Dug well, cased with perforated culvert pipe 5-6 feet; 5-6 gal/min measured 6-8-74.
801	Frances E. Howard & Marlon Walker	George McSpadden	1955	62	16	Qa1	2,850	--	--	T, G	Irr	"Mercedes" well, U.S. Geological Survey no. A-4; cased to 62 feet and perforated 42-62 feet; 8-inch pump set at 33 feet, 740 gal/min measured 6-10-74. Former Texas Water Development Board water-level observation well.
802	do	Miles	1950	172	16	QTal	2,846	6.2	June 9, 1974	T, G	Irr	"Salt" well, U.S. Geological Survey no. A-2; cased and perforated 0-172 feet; 8-inch pump, 300 gal/min reported.
803	do	J. E. Walker & Miles	1950	60	18	Qa1	2,846	11.5 4.1 3.5 8.1	Jan. 30, 1957 Apr. 22, 1961 Jan. 23, 1970 June 9, 1974	T, G	Irr	"Jim's" well, U.S. Geological Survey no. A-1; dug to 48 feet and drilled and cased(?) to 60 feet, perforated 10-46 feet; 8-inch pump, 400 gal/min reported. Texas Water Development Board water-level observation well.
804	do	Miles	1951	81	16	Qa1	2,838	10.0 7.6	Jan. 30, 1957 June 9, 1974	T, G	Irr	"Lower" well, U.S. Geological Survey A-3; cased to 81 feet, perforated 11-81 feet; 8-inch pump, 600 gal/min reported. Former Texas Water Development Board water-level observation well.
805	do	do	1950	22	15	Qa1	2,854	15.7 10.5	Jan. 30, 1957 June 9, 1974	N	N	"Upper" well, U.S. Geological Survey no. A-5; originally drilled to 236 feet, filled in with silt during flooding; 300 gal/min reported. Former Texas Water Development Board water-level observation well.
806	do	Johnson	1960	75	16	Qa1	2,850	10.1	do	T, G	Irr	"Hernandez" well; 400 gal/min reported.
807	do	--	1930's	54	72	--	2,880	49.9 48.4	Jan. 30, 1957 Dec. 6, 1972	C, E	N	Old town well, U.S. Geological Survey no. A-6, formerly State well no. 51-51-902; unused domestic well; originally constructed to 100+ feet, dug well with concrete casing. Texas Water Development Board water-level observation well.
808	do	--	prior to 1948	80	6	QTal?	2,880	50.2	Jan. 30, 1957	S, E	D, P	Town well, U.S. Geological Survey A-7; formerly State well no. 51-51-901; 10-12 gal/min measured 6-9-74.
809	Abel Tellez	Abel Tellez	1974	18	54 x 66	Qa1	2,860	14.2	June 8, 1974	N	N	Unequipped dug irrigation well with perforated concrete casing to 98 feet; field specific conductance of bailed sample 1,400 umho/cm.
52-101	Bill Middleton	H. H. Virdeell	1967	50	7	QTal?	3,143	4.6	June 16, 1974	S, E	D	"Capote" well; cased to 50 feet, perforated 12-32 feet; 10 gal/min estimated in 1974; good water quality reported. ³

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW (-) SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
DM-51-52-201	Bull Middleton	--	--	spring	--	Tv	3,580	F	--	--	S	Vasquez spring; 3-4 gal/min estimated in 1974; field specific conductance 400 umho/cm, 24°C.
501	do	--	--	spring	--	Tv	3,360-3,750	F	--	--	S	"Capote" springs, an aggregate of many seeps in Capote Canyon. Flowing 400 gal/min 6-9-74 near mouth of canyon, 1.5 miles downstream from Capote Falls; 1,200-1,500 gal/min reported 9-42.
502	do	--	--	spring	--	Tv	3,522	F	--	--	S	Mexican springs, 5 springs in immediate area; 5 gal/min estimated in 1974; field specific conductance 450 umho/cm, 23°C.
701	do	--	--	spring	--	Tv	3,350	F	--	--	D, S	Alohe Run spring; 3-4 gal/min measured 6-10-74; field specific conductance 550 umho/cm, 22°C.
702	do	--	--	spring	--	Tv	3,500	F	--	--	S	Nixon spring; 31 gal/min measured 6-10-74; field specific conductance 500 umho/cm, 22°C.
801	Jullo & Jessie Vizcaino	Howard Bates	1972	400	6	Tv?	4,350	90R	Oct. 12, 1972	C, W	S	Reported 5 gal/min, good-quality water. ³
59-201	Frances E. Howard & Marion Walker	George McSpadden	1956	53	16	Qa1	2,835	7.8 9.4	Jan. 30, 1957 June 10, 1974	N	N	"Pat's" well; originally drilled to 80 feet, 400 gal/min reported in 1960's; field specific conductance of bailed sample 2,000 umho/cm; former Texas Water Development Board water-level observation well.
202	Ramone Tarrango	--	--	spring	--	Qa1	2,875	F	--	--	D, S	Used for domestic supply at "Pueblo Nuevo;" 2-3 gal/min estimated in 1974, seepage area 300 feet long along creek; field specific conductance 800 umho/cm, 21°C.
203	Frances E. Howard & Marion Walker	--	--	spring	--	Qa1	2,915	F	--	--	S	Ranchita spring; 4 gal/min estimated in 1974; field specific conductance 850 umho/cm, 22°C.
204	do	--	--	spring	--	Qa1	2,870	F	--	--	D, S	Rancho spring; 3-4 gal/min estimated in 1974; developed seepage area 100 feet in diameter; field specific conductance 1,500 umho/cm, 26°C.
59-301	Roberto Tarrango	--	1967	9	40	Qa1	2,950	7.0	June 8, 1974	B, H	D, S	Pueblo Nuevo village supply; dug well with corrugated metal and rock casing; field specific conductance 770 umho/cm.
302	Frances E. Howard & Marion Walker	--	--	spring	--	Qa1	2,900	F	--	--	S	"La Cienega" seepage area along 1/3 mile reach of canyon; 29 gal/min measured 6-9-74; field specific conductance 800 umho/cm, 21°C.
501	Juan Prieto	--	--	41	6	Qa1	2,842	24.8	May 16, 1974	C, W	S	Sanguajuela springs; 25 x 100-foot seepage area in creek bed; 1-2 gal/min estimated in 1974; field specific conductance 940 umho/cm, 27°C.
601	--	--	--	spring	--	Qa1	3,140	F	--	--	S	Water is salty.
602	Andrew Briscoe, Jr.	Bullido Fuentes	1945	100	70	Qta1	3,330	96.1	June 10, 1974	C, W	S	Dug well, cased to 60 feet with concrete casing, pump set at about 100 feet.
603	State of Texas	--	--	spring	--	Qa1	3,020	F	--	--	S	Chupadera Pila spring; 2-3 gal/min estimated in 1974; field specific conductance 900 umho/cm, 23°C.
801	Clyde Pelton	--	1955	55	24	Qa1	2,764	6.9	May 16, 1974	T, E	Irr	Originally drilled and cased to 60 feet, perforated 2-60 feet; 8-inch discharge pipe; 820 gal/min measured 5-16-74, approximate 40 gal/min/ft specific capacity reported; field specific conductance 6,000 umho/cm, 21°C.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
0W-51-59-802	Clyde Pelton	--	--	spring	--	Qa1	2,763	F	--	--	S	Estimated 1 gal/min in 1974; field specific conductance 900 umho/cm, 24°C.
803	Amelio Fuentes	--	1950's	26	34	Qa1	2,790	22.5	May 16, 1974	C, W	S	Dug well with porous concrete casing, 3 gal/min estimated in 1974.
804	Clyde Pelton	--	1957	50	16	Qa1	2,761	5.1	do	T, E	Irr	Reported 500 gal/min and salty water.
805	do	Gulf Oil Company	1957	39	16	Qa1	2,752	1.9	do	T, E	Irr	Originally drilled for water supply for oil test, Gulf Oil Corp., State School Board no. 1; 500 gal/min and salty water reported.
806	do	--	1960	65	--	Qa1	2,761	18R	do	S, E	S, Irr	Reported 15-18 gal/min and salty water; reportedly will yield 200 gal/min with larger pump.
901	Donald Goodrich & Charles E. Rogers	--	--	spring	--	Qa1	3,091	F	--	--	D, S, R	Negley springs (south part), 54 gal/min measured 6-9-74.
902	do	--	--	spring	--	Qa1	3,092	F	--	--	S, R	Negley springs (north part), 25 gal/min estimated in 1974; field specific conductance 880 umho/cm, 24°C.
903	State of Texas	--	--	spring	--	Qa1	3,080-3,140	F	--	--	S, R	La Cierana springs, seepage area about 1 mile in diameter, 107 gal/min measured 5-12-74.
60-501	Andrew Briscoe, Jr.	Howard Bates	1972	138	4	Qa1, Tv?	3,610	65.3	June 10, 1974	S, E	D, S	Originally drilled to 175 feet, cased and perforated 0-100 feet, 12 gal/min reported in 1974, pump set at 135 feet.
402	do	Blas Benevidez	1945	38	N	Qa1	3,590	36.10	do	C, W	S	Dug well, 5 feet in diameter, 3 gal/min estimated in 1974.
701	Joe Kingston	--	--	spring	--	Qa1?	3,480	F	--	--	D, S, R	Ruidosa Hot springs; 37 gal/min and 31 gal/min measured 11-74 and 6-10-74; field specific conductance 720 umho/cm, 45.5°C.
702	Andrew Briscoe, Jr.	--	--	spring	--	Qa1	3,480	F	--	--	S	Measured 35 gal/min 6-10-74; field specific conductance 600 umho/cm, 28°C.
703	Juan Benavidez	Grantham	1965	136	4	Qa1	3,500	84.1	June 11, 1974	C, W	S	"Escondido Drew" well, cased to 136 feet, perforated 116-136 feet; will pump 16 gal/min with a pump jack; field specific conductance 580 umho/cm, 25°C.
704	State of Texas	--	--	spring	--	Qa1	3,460	F	--	--	S	Las Cachanillas spring; 1-2 gal/min estimated in 1974; 27°C, good water quality reported.
801	Andrew Briscoe, Jr.	Blas Benevidez	1940's	530	6	Qa1	3,941	435.5	June 10, 1974	C, W	S	Cased to 20+ feet, open hole below; 1.5 gal/min estimated in 1974; field specific conductance 580 umho/cm.
802	Juan Benavidez	Howard Bates	1973	640	5	--	3,960	--	--	C, G	D, S	Cased to 40 feet, open hole below; 10 gal/min estimated in 1974.
803	do	Bob Cook	1941	530	6	Qa1	3,960	445.1	June 11, 1974	C, W	D, S	Cased to 35 feet, open hole below; 1-2 gal/min estimated in 1974; good quality reported.
74-03-201	Hugh G. Truox	Dick Baker Drilling Co.	1974	124	8	Qa1	2,780	49.5	May 16, 1974	N	N	Unequipped new stock well; field specific conductance of bailed sample 1,650 umho/cm.
202	Angel Janier Rodriguez	--	1974	20	N	Qa1	2,751	17.5	do	C, H	D, S	Dug well, 42-inch diameter, 2 gal/min measured 5-16-74; field specific conductance 6,000 umho/cm, 22°C.
203	Alfredo Salgado	Jim Bates	1973	37	10	Qa1	2,743	10.2	do	T	N	Irrigation well, temporarily unused.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW DATUM (ft.)	DATE OF MEASUREMENT			
1/ 107-74-03-204	Ruldosa School Dist.	John McSpadden	1953	70	6	Qa1	2,768	26.4	May 16, 1974	C, W	D	Measured 3 gal/min 5-16-74; not used for drinking.
205	Clyde Pelton	--	before 1955	48	16	Qa1	2,754	8.2	do	--	Irr	--
206	Hugh G. Truax	--	1973	32	N	Qa1	2,760	28.7	do	C, W	S	Dug well, 56-inch diameter; 3 gal/min measured 5-16-74; field specific conductance 5,500 umho/cm, 22°C.
1/ 301	W. A. Shannon	--	--	spring	--	Qa1	3,050	F	--	--	P, R	Torres springs, used by Ruldosa residents for drinking; 4-foot diameter discharge area; 27 gal/min measured 5-16-74.
302	do	--	--	spring	--	Qa1	3,080-3,150	F	--	--	S, R	Upper Boundary Creek springs; spring area along creek about 3/4 mile; 120 gal/min measured 5-12-74; field specific conductance 1,000 umho/cm, 22°C.
303	do	--	--	spring	--	Qa1	2,900	F	--	--	S, R	Lower springs along Boundary Creek; 280 gal/min measured 5-12-74; field specific conductance 1,100 umho/cm, 22°C.
304	do	--	--	spring	--	Qa1	3,120	F	--	--	S	Shannon springs, springs in creek bed, 15 gal/min estimated in 1974; field specific conductance 900 umho/cm, 22°C.
501	do	Virrell	1953	27	16	Qa1	2,727	5.3	May 15, 1974	T	N	Unused irrigation well, originally drilled to 73 feet, silted in; pump set at 48 feet; 5,001 gal/min reported; field specific conductance of bottled sample 4,300 umho/cm.
502	do	do	1953	73	12	Qa1	2,726	4.1	do	N	N	Southwest of 107-74-03-501, 500 gal/min reported; field specific conductance of bottled sample 4,000 umho/cm.
503	do	McSpadden Bros.	1953	53	7	Qa1	2,761	28.7	May 15, 1974	C, W	D	Estimated 2-3 gal/min in 1973; field specific conductance 900 umho/cm, 24°C.
1/ 504	Joel Nunez	--	1955	70	6	Qa1	2,765	38.9	do	C, W	D, S	Originally drilled to 80 feet, 3 gal/min estimated in 1974.
901	Jim E. Farquhar	Vernon McIntyre	1972	43	24	Qa1	2,720	7.9	do	T, G, 30	Irr	North well of 2, originally drilled to 65 feet, 8-inch pump.
1/ 902	do	--	about 1964	46	24	Qa1	2,720	7.8	do	T, G, 40	Irr	South well of 2, originally drilled to 64 feet, perforated 5-60 feet, 6-inch pump; 500 gal/min estimated in 1974.
903	do	--	before 1951	11	30	Qa1	2,718	--	--	C, W	D, S	Cased with steel bowels; 5 gal/min and poor-quality water reported.
04-101	Juan Benuvidez	Howard B. Bates	1972	140	4	Qa1	3,517	101.6	June 11, 1974	C, G, 5	S	Perforated 10-140 feet, water-bearing zone is gravel from 117-128 feet; 16 gal/min estimated in 1974; good-quality water reported. 3/
201	do	Jones	1948	490±	6	Qa1	3,845	388.3	do	C, W	S	Perforated below 12 feet; 3-4 gal/min estimated in 1974; field specific conductance 670 umho/cm, 28.5°C.
202	Richard Johnson	George McSpadden	about 1958	> 500	8	Qa1	4,004	--	--	C, W	S	Estimated 4 gal/min in 1974; field specific conductance 580 umho/cm, 27°C.
203	do	Orby Timms	about 1940	243	4	Tv?	3,800	--	--	C, G, W, 5	D, S	Field specific conductance 950 umho/cm, 32.5°C.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
DM-74-04-204	Juan Benavidez	Grancham	about 1965	300	6	Pz, K, or TV?	4,304	--	--	C, W	S	Perforated below 15 feet; 3 gal/min, good-quality water reported.
301	Willie Brown	--	--	spring	--	K?	4,180	F	--	--	Irr, S	"Ojo Jardin" spring; 35 gal/min estimated in 1974; field specific conductance 600 umho/cm, 27°C.
401	Augustin Nunez	Jones?	about 1950	200	6	QTal	3,262±	1.1	Mar. 7, 1973	C, G, W, 3	S	"West" well, perforated below 20 feet.
402	State of Texas	--	--	spring	--	QTal	3,140	F	--	--	S, D	"Section 32" spring; 8-10 gal/min estimated in 1973; field specific conductance 470 umho/cm, 19°C.
403	do	--	--	spring	--	QTal	3,100	F	--	--	S	Estimated 3 gal/min in 1973; field specific conductance 500 umho/cm, 19°C.
501	Augustin Nunez	Jones?	1947	300	6	QTal	3,574±	214.8	Mar. 7, 1973	C, W	P, S	Perforated below about 10 feet; 3 gal/min measured 3-7-73.
801	Cletus Davis	H. H. Virdell	--	306	--	QTal	3,433	116.9	Apr. 8, 1974	C, W	S	Measured 4 gal/min 4-8-74; field specific conductance 850 umho/cm, 24°C.
802	Juan Domínguez	--	--	6.5	33 x 48	TI	3,500	0.0	do	C, W	S	Well dug in rock (developed spring?), commonly flows.
803	do	--	--	spring	--	QTal	3,340	F	--	--	S	"Indian" spring, 15 gal/min estimated in 1974; field specific conductance 950 umho/cm, 25°C.
901	do	--	--	349	6	QTal or TI	3,610	84.9	Apr. 8, 1974	C, W	S	Measured 3-4 gal/min 4-8-74.
902	P. T. Cattle Co. (Hacienda Mesquite Ranch)	--	--	660±	5	QTal or TI	4,030	--	--	C, E, 5	S	North well of 2; 6 gal/min estimated in 1974; water level below 500 feet; field specific conductance 350 umho/cm, 20.5°C.
11-301	Dr. Alfred L. Zimmerly Est.	--	1950	33	48	Qal	2,697	7.4 13.9	June 20, 1961 May 14, 1974	T, G	Irr	Originally drilled and cased with steel casing to 50 feet; perforated concrete casing installed subsequently; 6-inch pump, 600 gal/min reported; water sample collected from pit around well.
12-101	Juan Domínguez	H. H. Virdell	1965	252	7	QTal	3,039	62.2	Apr. 8, 1974	C, W	S	Cased to 252 feet, perforated 155-252 feet; 3 gal/min measured 4-8-74, reportedly tested at 25 gal/min when drilled; water-bearing zone 215-220 feet. 3
102	do	--	--	spring	--	QTal	2,770	F	--	--	S	"San Jose" spring; 2 gal/min measured 5-15-74; field specific conductance 3,000 umho/cm, 21°C.
201	do	--	before 1953	387	6	QTal	3,274	81.1	Apr. 6, 1974	C, W	S	Measured 3-4 gal/min 4-6-74.
202	do	--	old	20±	5	QTal	3,310	5R	Apr. 1974	C, W	S	Reported 2-3 gal/min, good-quality water.
401	do	--	1950 ^a	47	32	Qal	2,719	36.8	Apr. 5, 1974	J, G, 2	D	Measured 10 gal/min 4-5-74.
601	P. T. Cattle Co.	--	about 1945	22	48 x 48	QTal	3,228	4.3	Apr. 3, 1974	C, W	S	Measured 3 gal/min 4-3-74.
602	do	--	1945	4	54 x 42	QTal	3,232	+9, F	do	N	S	Developed spring(?), 2 gal/min estimated in 1974; field specific conductance 420 umho/cm, 25°C.
801	T. Clement Davis	George McSpadden	1954	44	15	Qal	2,655	8.4	Apr. 5, 1974	S, E, 1	S, D	Originally drilled to 50 feet.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Holson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
W-74-12-802	Nick Puentes	Candelario Granado	1963	14	36	Qa1	2,650	6.3	Mar. 21, 1973	C, G, 3	S	Estimated 8-10 gal/min in 1973; field specific conductance 1950 umho/cm, 18°C.
803	J. S. Livingston	--	1950	49	16	Qa1	2,645	8.9	June 20, 1961	N	N	Unused irrigation well; north well; formerly State well no. DM-74-12-801; field specific conductance of bailed sample 12,000 umho/cm.
13-101	P. T. Cattle Co.	--	--	365	6	Q _{Ta1}	3,640	316.6	Apr. 4, 1974	C, E, 3	S	"Petalillos Arroyo" well; 6 gal/min estimated in 1974.
102	do	--	about 1957	274	8	Q _{Ta1}	3,718	240.8	do	C, S, W	S	Estimated 4 gal/min in 1974.
601	do	--	1945	12	36 x 36	Q _{Ta1}	3,290	1.2	Apr. 3, 1974	S, R	D	Estimated 10 gal/min in 1974; field specific conductance 480 umho/cm, 24.5°C.
602	do	--	--	301	8	Q _{Ta1}	3,635	272.0	Apr. 4, 1974	C, W	S	Measured 4 gal/min 4-4-74; field specific conductance 700 umho/cm.
601	Jesusita Gonzales	--	--	spring	--	Q _{Ta1}	4,079	F	--	--	D, S	"Spencer" spring; 10 gal/min estimated in 1974; good-quality water reported.
701	Simon Gonzales	--	--	spring	--	Q _{Ta1}	3,180-3,280	F	--	--	S, R	"La Cienega" spring area; 28 gal/min measured from southeast springs and 5 gal/min estimated from north-west springs 4-3-74; water sample from southeast springs.
20-201	W. R. Payne & Max Cooper	--	1951	50	16	Qa1	2,628	9.4	June 20, 1961	T, G	Irr	"Dike" well; 340 gal/min measured 5-13-74; 19.2 feet pumping water level, 8-inch pump.
202	do	--	1951	50	16	Qa1	2,624	7.8	May 13, 1974	N	N	Unused irrigation well; 5-inch pump, 300 gal/min reported when in use.
203	do	--	1951	48	16	Qa1	2,625	4.8	do	N	N	Unused irrigation well; perforated 0-48? feet; 8-inch pump; field specific conductance of bailed sample 20,000 umho/cm.
204	do	H. H. Virdeil	1968	71	5	Qa1	2,660	41.9	May 14, 1974	S, E, 3/4	D	"House" well; originally reported 74 feet deep; 12-15 gal/min estimated in 1974; field specific conductance 12,000 umho/cm, 19.5°C.
205	J. S. Livingston	--	1950's	31	16	Qa1	2,634	9.9	Apr. 6, 1974	T, E, 4	Irr	Reported 500 gal/min; 6-inch pump.
601	Dolores Calderon	--	about 1960	20	36	Qa1	2,620	11.6	Oct. 4, 1973	B, H	S, D	Irrigation well currently used for stock supply; 300 gal/min reported when used for irrigation; field specific conductance 4,200 umho/cm, 22°C.
602	Simon & Genero Gonzales	--	about 1952	45	15	Qa1	2,618	8.8	do	C, F, 3	S	Owner's no. 1 (south well of 2); irrigation well unused because of salty water and flooding; 495 gal/min and 20.5 feet drawdown reported in 1949
901	Victor Ochoa	Jones	1949	74	16	Qa1	2,595	19.5R	Oct. 20, 1949	T	N	Owner's no. 2 (north well of 2); 5-inch discharge pipe; 500 gal/min and salty water reported, unused for several years.
902	do	Mac Torwater	1950's	38	15	Qa1	2,598	10.9	Oct. 4, 1973	T, G	Irr	Owner's no. 1, originally drilled to about 60 feet; filled in by flooding; perforated 45-57? feet; unused for several years; 300 gal/min and 8 tons per acre-foot (about 6,000 mg/l dissolved solids) reported when in use.
903	Gustavo Garcia	do	1949	42	16	Qa1	2,598	11.5	do	T	Irr	

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW (-) DATUM (ft.)	DATE OF MEASUREMENT			
UW-74-20-904	Charlie Spencer	--	about 1968	13	36	Qa1	2,608	9.9	Oct. 4, 1973	Cf, G, 3	D, S	Originally dug to 16 feet, concrete casing perforated below 1 foot; 15 gal/min estimated in 1973; field specific conductance 1,400 umho/cm, 23°C.
905	Gustavo Garcia	--	1970	15	36	Qa1	2,611	4.8	do	B, H	S	Owner's no. 2, originally dug to 18 feet.
906	do	--	1973	23	36	Qa1	2,609	20.7	do	Cf, G, 2	S	Owner's no. 3, north well; concrete casing perforated below a depth of 1 foot.
21-801	Jesus & Manuel Soza	--	--	spring	--	Qta1	2,770	F	--	--	S, R	"Chupadera" springs, 5-6 gal/min estimated in 1974.
22-201	Lely Ranch	McSpadden	1940's	46	6	Qta1	3,187	35.4	Feb. 18, 1974	C, W	S	Measured 6 gal/min 2-18-74.
401	do	--	about 1945	397	6	Qta1	3,289	388.6	do	C, W	N	Unused stock well, good-quality water reported.
501	do	--	1940's	18	32	Qa1	3,150	14.7	do	B, H	S	Estimated 6-8 gal/min in 1974; field specific conductance 420 umho/cm, 22°C.
502	do	G. McSpadden	1940's	75	6	Qta1	3,086	36.3	do	C, W	S	Estimated 3 gal/min in 1974; field specific conductance 500 umho/cm, 22°C.
503	do	--	1940's	81	6	Qta1	3,129	64.4	do	C, W	S	Estimated 4 gal/min in 1974; field specific conductance 420 umho/cm, 22°C.
701	do	J. McSpadden	about 1949	116	10	Qta1	2,944	15.8	Feb. 17, 1974	T	N	Unused irrigation well; reported pumped 600 gal/min with 6-inch pump; field specific conductance of bailed water sample 470 umho/cm.
801	do	Emmet Harrel	about 1948	168	6	Qta1	2,983	87.2	do	C, W	D, S	Formerly State well no. U8-74-30-201, originally drilled and cased to 190 feet; 6-7 gal/min estimated 2-17-74; field specific conductance 450 umho/cm, 22°C.
901	do	Wesley W. West & H. C. Cockburn	1950	8,772	16	--	3,460	--	--	N	N	Oil feet, Wesley West & H. C. Cockburn Presidio Trust no. 1; reported water at 1,230 feet, water level rose to 234 feet.
902	do	J. McSpadden	1942	396	6	Qta1	3,092	329.0	Feb. 16, 1974	C, W, G, 5	S	Originally drilled to 410 feet; 5-6 gal/min estimated in 1974; reported drilled through hard conglomerate.
23-101	Lely Ranch	George McSpadden	about 1943	--	--	Tv or K?	--	--	--	C, W, G	S	Field specific conductance of water from tank 480 umho/cm.
102	do	McSpadden	about 1943	850	--	Tv or K?	--	400±R	--	C	N	Unused stock well, good-quality water but only 1 gal/min reported.
601	Big Bend Ranch Corp.	--	--	spring	--	Tv or K?	--	F	--	--	S, R	"Alamo" springs; 22 gal/min estimated in 1974; field specific conductance 550 umho/cm, 25°C.
602	do	--	--	spring	--	Tv or K?	--	F	--	--	S, R	"Cortacosa" springs; 12-15 gal/min estimated in 1974; field specific conductance 600 umho/cm, 25°C.
801	Lely Ranch	George McSpadden	about 1945	12	36	K?	3,170±	8.7 8.2	Nov. 22, 1949 June 18, 1974	C, W	S	Old Ocotillo siding well, formerly State no. U8-74-23-501; 6 gal/min estimated in 1974; perforated concrete casing 1-12 feet; field specific conductance 750 umho/cm, 16°C.
24-201	Santa Fe Railroad	McSpadden Bros.	1930	694	4	K?	3,483	F	--	--	Ind	Flored an estimated 30 gal/min in 1974; bedrock? (shale) at 192 feet. 3

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (FT.)	DIAMETER OF CASTING (IN.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (FT.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (FT.)	DATE OF MEASUREMENT			
UM-74-24-401	Harper	--	--	spring	--	Tv or K?	--	P	--	--	S, R	"Alamo" springs (southeast area); 15 gal/min estimated in 1974; field specific conductance 550 umho/cm, 25°C. Reduced 6-inch discharge pipe to 3-1/2-inch.
J 29-101	F. Soza	Mac Tarwater	1950 ¹⁸	38	16	Qa1	2,590	7.2	Oct. 3, 1973	T, E, 7.5	Irr	Field specific conductance 10,000 umho/cm.
201	Garrino Prieto	--	1945	23	32	Qa1	2,600	19.7	May 24, 1973	C, W	S	West well of 2; originally drilled to 57 feet; perforated below 40 feet; 6-inch pump; poor-quality water reported.
202	Manuel Soza	Mac Tarwater	about 1952	49	18	Qa1	2,583	6.6	do	T, E, 7.5	Irr	East well of 2; unused irrigation well; field specific conductance of bailed sample 1,150 umho/cm; poor-quality water reported.
203	do	Applegate	about 1958	59	20	Qa1	2,582	5.9	do	N	N	Unused irrigation well; field specific conductance of bailed sample 3,900 umho/cm.
204	Manuel Spencer	--	--	41	18	Qa1	2,579	7.2	do	T, G	N	Unused irrigation well.
J 205	Charlie Adams	--	1958	34	23	Qa1	2,582	4.3	May 23, 1973	N	N	Irrigation well converted to stock well; field specific conductance 8,400 umho/cm, 20°C.
206	do	--	1958	160±	23	Qta1	2,577	5.2	do	T, G	Irr	Unused irrigation well, originally drilled to about 160 feet; field specific conductance of bailed sample 8,400 umho/cm.
207	do	--	1940 ¹⁸	22	40	Qa1	2,577	5.9	do	C, W	S	Unused irrigation well, large yield reported when used.
208	do	--	1958	19	15	Qta1	2,575	3.2	do	N	N	Unused irrigation well, originally dug to 25 feet; 8-inch pump; field specific conductance of bailed sample 8,000 umho/cm.
209	Alberto Armandariz	--	1958	44	23	Qa1	2,577	6.8	May 24, 1973	N	N	Field specific conductance 7,500 umho/cm, 19.5°C.
210	do	--	about 1952	18	132	Qa1	2,576	6.6	Apr. 12, 1973	CF, G, 40	N	West of 2 wells; field specific conductance 1,400 umho/cm, 16°C.
211	do	--	1962	15	36	Qa1	2,577	10.6	do	CF, G, 3	S	Used for supplementary irrigation supply; 6-inch discharge pipe, 800 gal/min reported; field specific conductance 4,000 umho/cm, 21°C.
301	Charles Spencer	--	1972	8	60 x 60	Qa1	2,585	4.7	do	S, E, 1/3	S, D	Unused irrigation well, originally dug and rock-lined to 60 feet; 200 gal/min reported; field specific conductance of bailed sample 2,200 umho/cm.
601	Clay Slack	--	1950	30	96	Qa1	2,574	13.0	June 19, 1961	CF, E	Irr	6-inch pump.
602	R. J. Johnson	--	1950	48	60	Qa1	2,567	14.7 12.6	do Aug. 23, 1973	CF, E	N	Measured 340 gal/min 8-23-73; specific capacity 26 gal/min/ft.
603	Francisco Ornelas	--	about 1970	14	36	Qa1	2,579	10.9	May 14, 1974	T, E, 15	Irr	Unused irrigation well, originally dug to 35 feet; poor-quality water reported; 8-inch pump used formerly.
J 604	Jess Burner	--	about 1972	29	36	Qa1	2,580	13.3	Aug. 23, 1973	CF, E	Irr	
605	Lorenzo Rodriguez	--	1950 ¹⁸	11	36	Qa1	2,574	6.1	Apr. 11, 1973	N	N	

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	METER ABOVE OR BELOW SURFACE DATUM (ft.)	WATER LEVEL		METHOD OF DEPTH MEASUREMENT	USE OF WATER	REMARKS
									DATE OF MEASUREMENT				
1/ WM-74-29-606	Velasquez	--	1958	18	54	Qa1	2,575	5.6	Apr. 12, 1973	Cf, G, 45	Irr	East well of 2; 480 gal/min measured 4-12-73; 6-inch pump; recovery-test data; specific capacity 44 gal/min/ft.	
607	do	--	1948	23	50	Qa1	2,572	5.8	do	Cf, G, 40+	Irr	West well of 2; 6-inch pump; field specific conductance 5,200 umho/cm, 20°C.	
608	Jose Rodriguez	--	1950's	20	83	Qa1	2,568	4.5	do	Cf, G, 40+	Irr	8-inch pump; field specific conductance 5,800 umho/cm, 19°C.	
609	Raul Hernandez	Raul Hernandez	1974	22	30	Qa1	2,580	13.6	May 14, 1974	Cf, G, 3	Irr	Perforated below 15 feet; brief driller's log; 35 gal/min estimated in 1974; field specific conductance 3,800 umho/cm, 20°C. 3	
610	Johnny Crosson	--	--	26	56	Qa1	2,576	11.9	May 24, 1973	N	N	South of 2 unused irrigation wells.	
611	Lorenzo Rodriguez	Cisco Hernandez	1914	52	36	Qa1	2,610	41.0	Apr. 11, 1973	S, E, 1	D	Formerly State well no. WM-74-29-301; originally dug to 60 feet; 15 gal/min estimated in 1973; field specific conductance 4,700 umho/cm, 77°F.	
1/ 612	U.S. Customs Service	--	1955	147	6	QTa1	2,570	16.0	Nov. 18, 1964	J, E, 1	P	Measured 14 gal/min 6-21-74; supplies customs office at Presidio port of entry; not used for drinking.	
613	Jose Rodriguez	--	about 1950's	17	65	Qa1	2,573	7.6	May 23, 1973	N	N	Unused irrigation well; poor-quality water reported; formerly had 8-inch pump.	
614	M. B. Herrera	--	--	32	72 x 72	Qa1	2,562	8.9	May 17, 1974	Cf, E, 15	Irr	Reported 500 gal/min.	
615	Romona Armendariz	--	--	50	--	Qa1	2,585	--	--	--	D?	Used for domestic supply in 1963.	
30-101	Lely Ranch	Wesley W. West	1948	7,994	14	--	2,784	--	--	N	N	Oil test, Wesley W. West Presidio Trust no. 1; bed-rock(?) shale(?) at 2,000 feet, limestone(?) at 2,400 feet; electric log.	
102	Raul Ornelas	Manuel Velasco	1923	39	34	QTa1	2,732	27.1	Mar. 8, 1973	C, W, G, 3	S	Originally dug to about 55 feet; 5 gal/min estimated in 1973; field specific conductance 500 umho/cm.	
103	Leroy Parks	Lolo Mollinar	1973	27	36	Qa1	2,830	23.1	Mar. 18, 1973	B, H	D	Pump will be installed; brief driller's log. 3	
201	Lely Ranch	Fernando Daly	1930's	12	40	QTa1	2,876	4.4	May 15, 1974	C, W	S	Reported 7 gal/min and good-quality water.	
202	Robert I. Bledsoe	--	1940's	25	72	QTa1	2,750	21R	Nov. 23, 1949	N	N	Unused stock well "Red Tank" mill; formerly State well no. WM-74-30-501; 2 gal/min and poor-quality water reported when used.	
203	Lely Ranch	Payne	1940's	110	6	QTa1	2,860	41.5	May 15, 1974	C, W	N	Unused stock well, cased to 106 feet; 6 gal/min and good-quality water reported.	
301	Robert I. Bledsoe	do	1940's	106	6	QTa1	2,858	95.0	Nov. 23, 1949	C, G, 5	S, D	North well of 2; originally drilled to 125 feet and cased to 120 feet; 40 gal/min reported in 1949.	
401	John Daniel Est.	--	1940's	32	48	Qa1	2,560	21.0	Nov. 4, 1949	J, E	Irr	Formerly used as standby supply for Presidio; cased to 32 feet; 20 gal/min reported in 1949.	
402	Paul Probat Est.	--	1948	46	12	Qa1	2,583	25.7	Feb. 9, 1951 May 10, 1974	J, E, 1	D, P	Standby well for Presidio; originally drilled to 48 feet; perforated 30-48 feet; 80 gal/min reported in 1948; water level reported 36 feet 7-48 and 29 feet 6-61.	
1/ 403	Manuel Franco	--	about 1955	24	96	Qa1	2,561	7.9	Aug. 24, 1973	Cf, E, 10	Irr	Originally dug to 50 feet; 500-600 gal/min reported in 1973; 6-inch pump; specific capacity about 15 gal/min/ft in 1961.	

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (FT.)	DIAMETER OF CASING (IN.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (FT.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE (FT.)	DATE OF MEASUREMENT			
404	Mrs. Clay Slack	--	1951	50	96	Qa1	2,561	12.5 9.5	June 19, 1961 May 17, 1974	N	N	Unused irrigation well; 250 gal/min reported in 1961.
405	Santa Fe Railroad	McSpadden Bros.	1931	1,320	14, 10, 8, 6	Q ¹ a1	2,593	60R	Nov. 5, 1931	N	N	Destroyed railroad-supply well; cased to 1,310 feet; 6 gal/min bailed in a test in 1931; sand at 1,320 feet yielded water containing about 16,700 mg/l chlorine. ³
407	Presidio Water Supply Company	H. H. Virdeil	about 1948	84	16	Qa1	2,595	63.1	May 10, 1974	T, E, 20	P	Railroad well used for Presidio water supply; cased to 78 feet, perforated 38-78 feet; water-bearing sand and gravel 68-82 feet. ³
408	Kuykendall & Black	--	--	56	6	Qa1	2,597	--	--	S, E, 2	Ind	North well of 2; 20 gal/min estimated in 1974 with about 6 feet drawdown; fair-quality water reported.
409	do	--	1963	51	6	Qa1	2,597	45.0	May 10, 1974	C, E, 2	Ind	South well of 2; 15 gal/min estimated in 1974; fair-quality water reported.
410	Texas Highway Dept.	Texas Highway Dept.	1958	110	4	Q ¹ a1	2,582	30.0	Mar. 21, 1973	S, E, 1	Ind	40 gal/min; brief driller's log, water-bearing gravel and sand 33-70 feet. ³
411	Presidio Truck & Tractor Inc.	Dunham Drilling Co.	1963	75	8	Qa1	2,590	33.4	May 11, 1974	S, E, 1/2	Ind	Cased to 65 feet, perforated 40-65 feet; 12 gal/min estimated in 1974; water-bearing sand 45-66 feet. ³
412	Camino Del Rio Motel	--	1940's	33	36	Qa1	± 2,580	23.9	Mar. 29, 1973	J, E, 1/2	D	Field specific conductance 640 umho/cm, 24°C.
413	Presidio Water Supply Corp.	--	1929	34	120	Qa1	2,580	28.5 24.4	Nov. 4, 1949 May 10, 1974	T	N	Unused public-supply well, originally drilled to 40 feet; 50 gal/min reported when in use; fair-quality water reported, 82°F.
414	U.S. Border Patrol	--	1940's	42	6	Qa1	2,640	36.4	Apr. 12, 1973	C, E, 1	N	Unused domestic well; fair-quality water reported.
415	Forrest E. Vaughn	--	about 1968	50	8	Qa1	2,618	29.8	Mar. 20, 1973	N	N	Abandoned after drilling, insufficient supply.
416	Ismael Spencer	--	about 1948	22	36	Qa1	2,563	11.4	June 21, 1974	Cf, E, 15	Irr	Reported 350 gal/min, cased with porous concrete to 22 feet.
417	Jim Halper Est.	--	1940's	20	72 x 96	Qa1	2,561	7.1	Mar. 21, 1973	Cf, E, 15	Irr	500 gal/min reported.
418	Ted Millington	--	about 1938	20	60 x 60	Qa1	2,562	6.8	Aug. 23, 1973	T, E, 7-1/2	Irr	Originally dug to 24 feet; 500 gal/min reported, 6-inch discharge pipe.
419	do	Mac Tarwater	about 1956	65	6	Qa1	2,575	21.7	do	J, E, 3/4	D	Measured 10 gal/min 8-23-73.
420	Richard Hooper	Dick Baker Drilling Co.	1974	121	6	Q ¹ a1	--	29.7	June 20, 1974	N	N	Southwest well of 2; will be used for domestic and industrial supply; cased to 118 feet; field specific conductance of bailed sample 800 umho/cm. ³
421	do	Dunagan	1974	42	36	Qa1	--	30.4	June 20, 1974	J, E, 1/2	D	Northwest well of 2; field specific conductance 800 umho/cm, 21°C.
422	M. B. Herrera	--	1950's	40±	23	Qa1	2,557	2.6	Aug. 23, 1974	T, G	Irr	8-inch discharge pipe, 800 gal/min measured 8-23-74; specific capacity 5 $\frac{1}{2}$ gal/min/ft 8-23-73.
423	Fernando Duly	--	--	--	--	Qa1	2,590	--	--	S, E	D	Reported 15 gal/min in 1974.
424	Lana Francisco	--	--	49	48	Qa1	2,588	43.8	Nov. 4, 1949	C, W	S	--

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
DM-74-30-425	Bob Holloway	--	1967	24	7	Qa1	2,561	5.6	Aug. 23, 1973	Cf, E, 7.5	Irr	Reported 500 gal/min.
426	Louis Ehrlich	--	1950	20	96	Qa1	2,558	7.5 4.8	June 19, 1961 June 14, 1974	Cf	Irr	Formerly State well no. DM-74-30-701; originally driven and cased to 30 feet; used as standby irrigation supply; 800 gal/min reported in 1961, good-quality water reported.
501	Robert L. Bledsoe	Star Drilling Co. (Wesley W. West)	1954	12,999	16, 13	--	2,679	--	--	N	N	Oil test, Wesley W. West, R. I. Bledsoe no. 1; cased to 935 feet.
502	--	--	1950's	16	36	Qa1	2,552	8.5	June 17, 1974	B, H	S	--
601	Victor Thiel	Antonio Hernandez	1936	24	66	Qa1	2,641	12.7	June 19, 1974	T, G, 35±	Irr	South well of 2; 600 gal/min reported, 8-inch pump.
602	do	--	1962	20	36	Qa1	2,641	14.1	do	T, G, 35±	Irr	North well of 2; 6-inch pump.
603	Augustin Deanda	--	1940's	18	60	Qa1	2,700	14.2 12.7	Nov. 22, 1969 June 19, 1974	C, W	S	Formerly State well no. DM-74-31-101; originally dug to about 60 feet; 5 gal/min estimated in 1949, good-quality water reported.
701	Louis Ehrlich	--	1951	8	96	Qa1	2,554	8.7 3.6	June 19, 1961 June 14, 1974	Cf, G	Irr	Originally dug and cased to 35 feet, used as standby irrigation supply; 800 gal/min reported in 1961; variable (commonly poor) water quality reported.
702	Clay & J. C. Pool	W. L. Dunham	1963	65±	23	Qa1	2,563	12.2	Aug. 23, 1973	T, G, 40	N	Unused irrigation well, perforated 15-65 feet; 8-inch pump; salty water reported.
703	Mariano Molinar	--	1953	22	72 x 72	Qa1	2,554	.7	June 14, 1974	Cf, G, 35±	Irr	South well of 2; 400 gal/min reported in 1974, 6-inch pump; field specific conductance 3,000 umho/cm, 21.5°C.
704	do	--	--	21	66 x 66	Qa1	2,555	5.5	do	Cf, G, 35±	Irr	North well of 2; 6-inch pump.
705	Louis Ehrlich	--	1960's	7	60 x 60	Qa1	2,554	1.0	do	Cf, G, 45±	Irr	Reported 500 gal/min in 1974; 8-inch-pump; field specific conductance 1,300 umho/cm, 22°C; probably recycles irrigation drainage.
706	Clay and J. C. Pool	Dunham Drilling Co.	1963	62	23	Qa1	2,564	15.9 14.9	Mar. 2, 1966 Aug. 23, 1973	T, G, 40	N	Formerly State well no. DM-74-30-406; unused irrigation well, west well of 2; cased to 62 feet and perforated 14-62 feet; tested at 1,000 when drilled, 8-inch pump; specific capacity reported about 80 gal/min/ft; poor-quality water reported. Texas Water Development Board water-level observation well.
801	L. H. Brito	--	--	18	28	Qa1	2,560±	29.5 15.9	Nov. 1, 1949 June 15, 1974	N	N	Abandoned stock well, originally dug to 32 feet and cased with porous concrete to 30 feet; 50 gal/min reported in 1949.
802	Oscar Spencer	--	1952	22	90	Qa1	2,549	7.6 6.2	June 19, 1961 Aug. 23, 1973	Cf	Irr	Used as standby irrigation supply; originally dug and cased to 30 feet; 800 gal/min reported in 1961, 6-inch pump.
803	Clay Slack Est.	--	1951	30	96	Qa1	2,544	10.2 4.9	June 19, 1961 June 15, 1974	Cf	N	Unused irrigation well; 800 gal/min reported in 1961, 6-inch pump.
804	Herman Driffiel	--	--	spring	--	Qa1	--	F	--	--	S	Measured 33 gal/min 6-17-74; field specific conductance 450 umho/cm, 22°C.
805	do	--	--	8	36	Qa1	2,555	F	--	Cf, E, 3/4	S, D	Dug well; set 36-inch concrete curbing; well and adjacent steps flooding 22 gal/min 6-17-74.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE OF COMPLETION	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
UW-74-30-806	Alvaro Hernandez	--	1950's	--	96	Qa1	2,544	4.5	June 15, 1974	Cf, G	Irr	--
807	Reynaldo Hernandez	Reynaldo Hernandez	about 1955	24	28	Qa1	2,565	20.8	do	J, E, 1/2	D, S	Perforated 20-24 feet; 8 gal/min measured 6-15-74.
808	Oscar Spencer	--	1950's	--	--	Qa1	2,551	8R	--	T, G	Irr	8-inch pump; poor-quality water reported.
809	Texas Parks & Wildlife Department	H. H. Virdeil	1969	49	6	Qa1	2,551	7.8	June 17, 1974	S, E, 3/4	P	Water supply for Ft. Leaton State Park; originally drilled to 52 feet, cased to 50 feet, perforated 17-42 feet; 15 gal/min estimated in 1974, 3.
810	Elauterio Hernandez	--	about 1950	36	24	Qa1	2,570	27.5	July 15, 1974	J, E, 1/2	D	Estimated 15 gal/min in 1974.
901	Miguel Nieto	--	--	spring	--	Qa1	2,555	F	--	--	S, R	Measured 90 gal/min 6-17-74; field specific conductance 500 umho/cm, 22°C.
902	Amador Estrada	--	1950's	27	36	Qa1	2,555	22.0 15.0	Nov. 1, 1949 June 17, 1974	C, W	D	Estimated 5 gal/min in 1974; good-quality water reported.
903	do	Amador Estrada	1940's	30	36	Qa1	2,542	--	--	N	N	Unused irrigation well, cased with porous concrete to 30 feet; 300 gal/min, good-quality water reported.
904	Elauterio Hernandez	--	1945	23	60	Qa1	2,550	12.9	June 17, 1974	Cf, G, 60±	Irr	Cased with porous concrete 8-23 feet; 6-inch pump; field specific conductance 430 umho/cm, 23°C.
31-101	Lely Ranch	George McSpadden	about 1945	400	--	Tv or K?	--	--	--	--	N	Abandoned test hole; negligible yield.
201	do	McSpadden Bros.	1940's	290	8	Q7a1	--	231.4	June 19, 1974	C, W	S	"Big Russell Mill," formerly State well no. UW-74-31-501; 3 gal/min estimated in 1974.
301	do	do	--	170	8, 6	Tv?	3,160±	130R	Nov. 24, 1949	C, W	S	Cased to 80 feet; 3 gal/min estimated in 1949.
501	Big Bend Ranch	do	1940's	128	4	Q7a1	2,990	113.3	June 19, 1974	C, W	S	Estimated 3-4 gal/min in 1974.
601	do	--	--	spring	--	--	3,100±	F	--	--	D, S	Estimated 2 gal/min in 1949, 74°F.
701	Amador Estrada	--	1956	33	36	Q7a1	--	19.3	June 19, 1974	T, G	Irr	Cased with porous concrete 22-33 feet; 8-inch pump with 4-inch discharge pipe.
702	Ladder Ranch Corp.	--	--	spring	--	Q7a1	--	F	--	--	S	Estimated 5-6 gal/min in 1974; field specific conductance 450 umho/cm, 26°C.
39-101	T. Carrasco	Johnson	1952	80	16	Qa1	2,530	16.8	June 19, 1961	N	N	Unused irrigation well, cased to 80 feet; 1,500 gal/min reported.
102	do	--	1950's	25	8	Qa1	2,530	14.7	July 17, 1974	S, E, 1/2	S	Irrigation well converted to stock supply; 12-14 gal/min estimated in 1974; field specific conductance 1,050 umho/cm, 24°C.
201	Raul Madrid	--	about 1957	204	6	Q7a1	2,522	38.2	Nov. 2, 1949 June 17, 1974	S, E, 1/2	D	Cased to 150 feet; 12 gal/min estimated in 1974.
501	Guadalupe Dominguez	--	--	25	36	Qa1	2,515	22R	1950	C, W	D, S	Estimated 5 gal/min in 1949.
502	Rubin Madrid	--	1950	50	120	Qa1	2,501	10.5 10.6 11.4	June 19, 1961 Mar. 2, 1965 Jan. 23, 1970	T, G	Irr	Reported 1,500 gal/min in 1961, 6-inch pump; Texas Water Development Board water-level observation well.
503	Modesto Carrasco	--	1951	80	16	Qa1	2,495	19.8	June 19, 1961	T, G	N	Unused irrigation well, cased to 80 feet; formerly State well no. UW-74-39-201; 1,200 gal/min reported in 1961.

See footnotes at end of table.

Table 1.--Records of selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson--Continued

WELL	OWNER	DRILLER	DATE COMPLETED	DEPTH OF WELL (ft.)	DIAMETER OF CASING (in.)	WATER BEARING UNIT	ALTITUDE OF LAND SURFACE (ft.)	WATER LEVEL		METHOD OF LIFT	USE OF WATER	REMARKS
								ABOVE (+) OR BELOW SURFACE DATUM (ft.)	DATE OF MEASUREMENT			
1/ JM-74-39-504	Independent School Dist. #1	John McSpadden	1964	214	6	Qta1	2,515	45.0	June 17, 1974	S, E, 3/4	P	Cased to 214 feet and perforated 174-214 feet; 15 gal/min estimated in 1974. ³
1/ 505	Pablo B. Carrasco	H. H. Virdell	about 1967	200±	6	Qta1	2,522	56.6	do	S, E, 1/2	P	Redford water-supply well; 15 gal/min estimated in 1974; water-bearing zone reported about 180-200 feet.
506	Rubin Madred	Harrel	--	160	8	Qta1	2,521	95.0	Nov. 1949	C, W	D, S	Cased to 125 feet; water-bearing zone 155-160 feet; 7 gal/min estimated in 1949.
507	Henry Madrid	do	--	155	8	Qta1	2,521	45.0	Nov. 2, 1949	C, W	D, S	Cased to 155 feet; 55 gal/min estimated in 1949.
1/ 601	Fred Quintella	--	--	386	67	Qta1?	2,792	311.0	June 17, 1974	C, G	S	Estimated 3-4 gal/min in 1974.
801	B. K. Mallan	--	--	27	60	Qa1	2,500±	24.0	Nov. 2, 1949	N	N	Unused stock well; 5 gal/min estimated in 1949.
802	Antonio Pena	--	1973	35	32	Qa1	2,536	31.2	June 17, 1974	Cf, G, 2	S	Cased with porous concrete to 35 feet; 6-8 gal/min estimated in 1974; field specific conductance 2,400 umho/cm, 27°C.
901	Ernest H. Huffington	--	about 1945	32	24	Qa1	2,490	23.4	Nov. 2, 1949	C, G, 2	D, S	Cased with porous concrete; 5 gal/min measured 6-18-74; field specific conductance 2,000 umho/cm, 25°C.
902	F. A. Alvarado	--	about 1950	28	48	Qa1	2,484	5.4	do	T, G, 110	Irr	Cased with porous concrete from 21-28 feet; 890 gal/min measured 6-18-74; 8-inch pump; specific capacity 79 gal/min/ft.; field specific conductance 2,600 umho/cm, 24°C.
903	B. K. Mallan	--	about 1950	36	36	Qa1	2,500	31.6	do	C, W	N	Unused stock and domestic well, cased with porous concrete; 5 gal/min estimated in 1974; field specific conductance 2,800 umho/cm, 25°C.
1/ 904	Faustino Pineda, Jr.	Dick Baker Drilling Co.	1974	135	8	Qta1	2,485	23.3	June 17, 1974	T, G, 60	Irr, S	Cased to 135 feet; 100 gal/min measured 6-17-74; specific capacity 1.5 gal/min/ft. ³
1/ 448-101	Ladder Ranch Corp.	John McSpadden	about 1940	64	8	Tv?	2,478	35.2	June 18, 1974	C, W	D, S	Measured 3-4 gal/min in 1974; field specific conductance 440 umho/cm, 25°C.

1/ Chemical analysis of water given in table 3.
 2/ Additional water-level measurements in table 2.
 3/ Driller's log of well in files of Texas Water Development Board.

See footnotes at end of table.

Table 2.—Water Levels in Selected Observation Wells in the Salt Basin—Continued

Well no.	Date	Depth to water below land surface (feet)	Well no.	Date	Depth to water below land surface (feet)	
HL-47-51-501 (Continued)	Jan. 27, 1957	156.6	HL-47-59-301 (Continued)	Dec. 4, 1972	271.5	
	Jan. 15, 1958	158.0		Dec. 17, 1973	269.8	
	Jan. 28, 1960	159.6		Jan. 21, 1975	269.3	
	Feb. 10, 1962	165.1		Jan. 30, 1976	269.0	
	Feb. 6, 1963	164.8		HL-51-02-903	Feb. 28, 1951	102.4
	Jan. 24, 1964	166.3			Jan. 26, 1953	125.8
	Jan. 23, 1965	164.4			Jan. 23, 1954	127.9
	Feb. 16, 1966	165.5	Jan. 23, 1955		132.7	
	Jan. 19, 1967	164.6	Jan. 24, 1956		139.5	
	Feb. 6, 1969	165.8	Jan. 28, 1957		151.0	
	Jan. 28, 1970	167.2	Jan. 16, 1958		155.2	
	Feb. 12, 1971	171.5	Jan. 27, 1960		172.5	
	Dec. 8, 1971	169.4	Feb. 10, 1961		175.6	
	Apr. 12, 1972	170.8	Feb. 9, 1962		190.7	
	Dec. 4, 1972	173.1	Feb. 7, 1963	195.9		
	Dec. 13, 1972	168.9	Jan. 24, 1964	191.1		
	Dec. 18, 1973	182.2	Jan. 23, 1965	219.9		
HL-47-59-203	May 11, 1950	218.9	Feb. 17, 1966	205.5		
	Jan. 27, 1953	219.3	Jan. 17, 1967	217.8		
	Jan. 21, 1954	222.3	Jan. 16, 1968	223.5		
	Jan. 20, 1955	223.0	Feb. 11, 1969	219.7		
	Jan. 23, 1956	224.2	Jan. 27, 1970	229.6		
	Jan. 28, 1957	227.8	Feb. 10, 1971	241.8		
	Jan. 15, 1958	231.5	Dec. 10, 1971	234.2		
	Jan. 27, 1960	233.3	Jan. 14, 1972	232.2		
	Feb. 9, 1961	230.9	Dec. 8, 1972	232.2		
	Feb. 9, 1962	232.0	Jan. 18, 1973	233.4		
	Feb. 6, 1963	233.1	Dec. 17, 1973	238.3		
	Jan. 24, 1964	234.1	Jan. 29, 1976	251.4		
	Jan. 27, 1965	247.9	HL-51-02-906	June 22, 1949	132.2	
	Feb. 16, 1966	235.6		May 3, 1950	139.3	
	Sept. 14, 1966	237.3		June 2, 1950	151.0	
	Nov. 7, 1966	235.68		Feb. 8, 1951	144.4	
	Jan. 18, 1967	246.4		Jan. 26, 1953	147.9	
	Jan. 17, 1968	236.9		Jan. 23, 1954	152.3	
	Feb. 7, 1969	238.1		Jan. 23, 1955	154.9	
	Jan. 27, 1970	238.4		Jan. 24, 1956	158.5	
	Dec. 7, 1971	255.4		Jan. 28, 1957	163.4	
Mar. 4, 1972	240.7	Jan. 16, 1958		168.9		
Dec. 4, 1972	255.4	Jan. 27, 1960		180.1		
Dec. 22, 1972	240.9	Feb. 10, 1961		180.5		
Jan. 30, 1976	251.2	Feb. 9, 1962		198.7		
HL-47-59-301	Mar. 3, 1951	218.3		Feb. 7, 1963	194.8	
	Mar. 8, 1952	220.0	Jan. 24, 1964	198.7		
	Jan. 27, 1953	226.3	Jan. 23, 1965	206.8		
	Jan. 21, 1954	223.1	Feb. 17, 1966	209.8		
	Jan. 22, 1955	224.2	Jan. 17, 1967	220.7		
	Jan. 23, 1956	225.8	Jan. 15, 1968	214.7		
	Jan. 27, 1960	231.6	Feb. 11, 1969	217.5		
	Feb. 9, 1961	230.6	Jan. 27, 1970	225.4		
	Feb. 10, 1962	233.4	Dec. 9, 1971	228.3		
	Feb. 6, 1963	238.03	Jan. 13, 1972	226.2		
	Jan. 24, 1964	233.5	Dec. 8, 1972	228.3		
	Jan. 27, 1965	235.2	Jan. 15, 1973	228.2		
	Feb. 16, 1966	235.8	Dec. 17, 1973	230.4		
	Sept. 1, 1966	236.4	Jan. 24, 1975	229.7		
	Nov. 8, 1966	235.7	HL-51-10-331 (formerly HL-51-11-101)	June 22, 1949	79.7	
	Jan. 18, 1967	235.8		May 10, 1950	86.8	
	Jan. 16, 1968	236.3	Feb. 9, 1951	90.9		
	Feb. 7, 1969	237.7	Mar. 7, 1952	99.1		
	Jan. 28, 1970	237.1	Jan. 26, 1953	108.1		
	Feb. 12, 1971	257.8	Jan. 23, 1954	115.0		
	Dec. 8, 1971	266.7	Jan. 23, 1955	118.2		
	Mar. 23, 1972	242.1				

Table 2.—Water Levels in Selected Observation Wells in the Salt Basin—Continued

Well no.	Date	Depth to water below land surface (feet)	Well no.	Date	Depth to water below land surface (feet)
HL-51-10-331 (Continued)	Jan. 24, 1956	124.5	HL-51-11-403	June 22, 1949	105.8
	Jan. 29, 1957	131.3		Feb. 28, 1951	115.0
	Jan. 16, 1958	136.7		Jan. 26, 1953	129.3
	Jan. 27, 1960	144.2		Jan. 23, 1954	134.6
	Feb. 10, 1961	146.7		Jan. 23, 1955	137.1
	Feb. 10, 1962	151.6		Jan. 24, 1956	141.7
	Feb. 7, 1963	157.3		Feb. 10, 1962	159.0
	Jan. 24, 1964	160.9		Feb. 7, 1963	161.3
	Jan. 23, 1965	179.8		Jan. 24, 1964	163.3
	Feb. 17, 1966	172.6		Jan. 23, 1965	167.9
	Sept. 14, 1966	178.4		Feb. 17, 1966	167.5
	Jan. 17, 1967	177.7		Jan. 17, 1967	168.4
	Jan. 15, 1968	182.4		Feb. 10, 1969	168.7
	Feb. 10, 1969	179.7		Jan. 27, 1970	173.2
	Jan. 27, 1970	180.7		Nov. 1, 1971	176.4
	Feb. 10, 1971	198.9		Dec. 10, 1971	177.1
	Dec. 11, 1971	194.3		Jan. 17, 1973	179.1
	Jan. 10, 1972	197.2		Dec. 18, 1973	178.8
	Dec. 7, 1972	200.2		Jan. 21, 1975	198.5
	Jan. 16, 1973	200.3		Jan. 29, 1976	190.1
HL-51-10-604	Nov. 1, 1949	86.0	PS-51-19-104	May 2, 1950	136.4
	May 2, 1950	92.5		May 10, 1950	136.5
	Feb. 28, 1951	88.5		Feb. 28, 1951	137.1
	Jan. 26, 1953	111.6		Jan. 23, 1954	151.6
	Jan. 23, 1954	120.7		Jan. 24, 1955	154.4
	Jan. 23, 1955	125.9		Jan. 19, 1956	156.1
	Jan. 24, 1956	133.7		Jan. 29, 1957	162.5
	Jan. 29, 1957	143.2		Jan. 17, 1958	169.0
	Jan. 17, 1958	147.7		Jan. 27, 1960	166.7
	Jan. 27, 1960	156.9		Feb. 10, 1961	169.3
	Feb. 10, 1961	160.5		Feb. 10, 1962	182.5
	Jan. 24, 1964	176.8		Jan. 24, 1964	191.0
	Feb. 17, 1966	178.4		Feb. 17, 1966	183.9
	Sept. 14, 1966	186.0		Jan. 12, 1967	190.0
	Nov. 8, 1966	182.2		Jan. 15, 1968	198.7
	Jan. 17, 1967	182.3		Feb. 9, 1969	197.4
	Jan. 15, 1968	184.2		Jan. 26, 1970	173.7
	Feb. 10, 1969	184.5		Jan. 15, 1971	192.1
	Jan. 27, 1970	189.9		Dec. 7, 1971	198.6
	Feb. 10, 1971	209.5		Jan. 19, 1973	201.9
Jan. 5, 1972	179.4	Dec. 18, 1973	214.5		
Jan. 18, 1973	180.1	Jan. 14, 1975	222.2		
Dec. 17, 1973	185.1	Jan. 29, 1976	213.5		
Jan. 24, 1975	185.1	PS-51-19-301	June 13, 1950	197.3	
Jan. 29, 1976	184.4		Feb. 28, 1951	198.5	
HL-51-10-901	Jan. 26, 1953		133.6	Jan. 27, 1953	206.6
	Jan. 23, 1954		136.5	Jan. 24, 1954	210.6
	Jan. 23, 1955		140.4	Jan. 23, 1955	213.3
	Jan. 24, 1956		144.0	Jan. 19, 1956	216.1
	Jan. 29, 1957		148.6	Jan. 29, 1957	219.3
	Jan. 17, 1958		153.1	Jan. 17, 1958	222.3
	Jan. 27, 1960		172.1	Feb. 10, 1961	228.3
	Feb. 10, 1961		157.0	Feb. 10, 1962	230.8
	Jan. 27, 1965	168.9	Jan. 24, 1964	234.7	
	Feb. 17, 1966	171.1	Jan. 27, 1965	237.0	
	Jan. 17, 1967	168.1	Feb. 17, 1966	238.0	
	Jan. 15, 1968	174.2	Jan. 12, 1967	239.5	
	Feb. 10, 1969	172.0	Feb. 9, 1969	242.0	
	Jan. 27, 1970	179.8	Jan. 26, 1970	243.3	
	Nov. 30, 1971	192.5	Jan. 15, 1971	244.8	
	Dec. 10, 1971	190.4	Dec. 7, 1971	251.3	
	Dec. 7, 1972	197.5	June 19, 1972	246.9	
	Jan. 18, 1973	189.4	Dec. 7, 1972	246.6	
	Dec. 18, 1973	182.8	Jan. 19, 1973	247.6	
	Jan. 21, 1975	193.5	Dec. 18, 1973	249.1	
Jan. 29, 1976	194.0	Jan. 14, 1975	251.1		
		Jan. 29, 1976	253.6		

Table 2.—Water Levels in Selected Observation Wells in the Salt Basin

Well no.	Date	Depth to water below land surface (feet)	Well no.	Date	Depth to water below land surface (feet)	
PD-47-09-801	June 8, 1954	83.0	HL-47-17-304 (Continued)	Feb. 5, 1969	197.7	
	Nov. 17, 1959	88.9		Jan. 8, 1970	199.2	
	Jan. 26, 1960	86.4		Feb. 23, 1971	199.9	
	Feb. 7, 1961	88.0		Dec. 7, 1971	203.3	
	Feb. 12, 1962	88.1		Feb. 9, 1972	200.7	
	Feb. 8, 1963	89.8		Feb. 26, 1973	199.6	
	Jan. 23, 1964	93.7		Jan. 2, 1974	203.7	
	Jan. 27, 1965	98.5		Feb. 11, 1974	202.6	
	Feb. 9, 1966	92.0		Jan. 20, 1975	202.7	
	Sept. 12, 1966	96.2				
	Nov. 8, 1966	92.7		HL-47-17-903 (formerly HL-47-18-701)	May 8, 1965	114.1
	Jan. 25, 1967	90.7			Sept. 12, 1966	130.8
	Jan. 22, 1968	92.0			Nov. 7, 1966	133.0
	Nov. 13, 1973	102.3			Jan. 22, 1968	145.7
PD-47-17-202	June 10, 1954	54.9		Feb. 5, 1969	143.3	
	Jan. 17, 1958	54.6		Jan. 8, 1970	138.1	
	Nov. 17, 1959	56.9		Feb. 23, 1971	127.4	
	Jan. 26, 1960	55.3		Feb. 10, 1972	124.9	
	Feb. 7, 1961	55.8		Feb. 27, 1973	123.6	
	Feb. 12, 1962	57.3		Feb. 12, 1974	123.0	
	Feb. 8, 1963	56.8	HL-47-43-202 (formerly HL-47-43-301)	Jan. 21, 1954	223.5	
	Jan. 23, 1964	56.9		Jan. 22, 1955	224.6	
	Jan. 27, 1965	58.6		Jan. 19, 1956	225.7	
	Apr. 5, 1965	63.0		Jan. 27, 1960	229.8	
	Feb. 9, 1966	55.7		Feb. 7, 1961	230.8	
	Sept. 12, 1966	54.7		Feb. 10, 1962	232.1	
	Nov. 8, 1966	55.1		Feb. 6, 1963	233.5	
	Jan. 25, 1967	56.0		Jan. 24, 1964	234.4	
	Jan. 22, 1968	58.2		Jan. 23, 1965	234.5	
	Feb. 13, 1969	58.4		Nov. 9, 1966	236.5	
	Jan. 8, 1970	59.7		Jan. 19, 1967	235.4	
	Feb. 23, 1971	59.9		Jan. 16, 1968	240.8	
	Feb. 11, 1972	62.4		Feb. 4, 1969	238.7	
	Feb. 26, 1973	63.8		Jan. 23, 1970	244.8	
	Jan. 2, 1974	63.4	Feb. 12, 1971	250.2		
	Feb. 11, 1974	63.5	Dec. 8, 1971	260.7		
	Jan. 17, 1975	66.1	Mar. 30, 1972	242.1		
	Feb. 3, 1976	68.2	Dec. 4, 1972	256.8		
	HL-47-17-302	Jan. 17, 1958	146.9	Dec. 12, 1972	242.5	
		Nov. 17, 1959	152.0	Feb. 3, 1976	258.7	
Jan. 26, 1960		149.8	HL-47-43-701	Jan. 29, 1953	131.3	
Feb. 7, 1961		149.2		Jan. 21, 1954	131.1	
Feb. 12, 1962		150.3		Jan. 22, 1955	131.9	
Feb. 8, 1963		151.5		Jan. 23, 1956	132.0	
Jan. 23, 1964		154.1		Jan. 27, 1960	134.7	
Apr. 5, 1964		161.2		Feb. 7, 1961	136.6	
Jan. 27, 1965		166.2		Feb. 10, 1962	143.0	
Feb. 9, 1966		164.5		Feb. 6, 1963	162.2	
Jan. 25, 1967		165.1		Jan. 24, 1964	171.3	
Jan. 22, 1968		157.4		Jan. 23, 1965	140.6	
Feb. 5, 1969		155.9		Feb. 16, 1966	139.4	
Jan. 8, 1970		157.6		Jan. 19, 1967	138.0	
Dec. 7, 1971	171.0	Jan. 17, 1968		140.0		
Feb. 9, 1972	159.2	Jan. 4, 1969		141.8		
Sept. 7, 1972	167.9	Jan. 23, 1970	141.1			
Feb. 26, 1973	158.0	Feb. 12, 1971	156.7			
Jan. 2, 1974	162.1	Dec. 8, 1971	143.6			
Feb. 11, 1974	161.1	Mar. 6, 1972	143.3			
Feb. 3, 1976	165.0	HL-47-51-501	May 11, 1950	151.6		
HL-47-17-304	April 7, 1965		197.1	Jan. 27, 1953	156.9	
	Feb. 9, 1966		196.0	Jan. 21, 1954	154.0	
	Jan. 25, 1967		194.2	Jan. 22, 1955	154.0	
	Jan. 22, 1968	196.2	Jan. 23, 1956	156.2		

Table 3.--Chemical analyses of water from selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Salton.--Continued

WELL	ANALYSIS BY	DEPTH OR ORIGINATING INTERVAL (FT)	GATE BEARING UNIT	DATE	DIS-SOLVED SILICA (SiO ₂) (MG/L)	DIS-SOLVED THON (FE) (MG/L)	DIS-SOLVED CAL (CA) (MG/L)	DIS-SOLVED MAGNE (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED FOSPH (P) (MG/L)	DIS-SOLVED BORATE (MG/L)	DIS-SOLVED CARBONATE (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED NITRATE PLUS NITRITE (NO ₃ +NO ₂) (MG/L)	DIS-SOLVED AMMONIUM (NH ₄) (MG/L)	DIS-SOLVED SILICIC ACID (MG/L)	RESIDUAL SOLUBLE SILICA (MG/L)	SODIUM AD-SORPTION RATIO (SAR)	SPECIFIC CONDUCTANCE (MICROHMS)	WATER HARDNESS (MG/L)	TEMPERATURE (C)	
HL-47-18-301	SAL	1,185	Pbed	Nov. 3, 1971	--	--	--	--	1,013	113	--	--	--	--	--	--	--	1,013	--	--	--	--	--	
401	SAL	--	--	Nov. 12, 1964	--	--	--	--	655	188	--	--	--	--	--	--	--	655	--	--	1,061	--	--	
402	SAL	600-1,200	Pbed	Nov. 24, 1971	--	--	1.66	6.3	399	170	--	--	--	287	--	--	--	399	0	2.1	--	3,280	7.5	
705	GS	600	Qta1, Pbed	May 30, 1973	--	--	3.60	100	1,100	490	--	--	--	170	--	--	--	1,100	0	--	--	3,280	7.5	
706	THUR	400	Qta1, Pbed	Apr. 5, 1967	15	--	3.62	90	1,010	417	16.5	--	--	135	0	--	--	1,010	2.8	2.8	2,865	7.2	--	
901	KRNG GS	751	Pbed	Sept. 13, 1972	18	7.5	3.76	61	465	169	--	--	335	0	--	--	--	465	3.37	--	--	6.1	--	
				May 18, 1972	--	--	9	65	430	80	--	--	138	0	--	--	--	430	0	--	1,010	7.8	24	
PP-47-23-801	GS	457	Pwsppl	Apr. 12, 1972	--	--	2.00	73	540	470	--	--	286	0	--	--	--	540	0	--	800	--	2,720	7.5
HL-47-26-101	GS	--	Qta1	Mar. 30, 1972	--	--	2.70	94	100	480	--	--	116	0	--	--	--	100	0	--	100	--	3,410	7.0
102	GS	116	Qta1	Feb. 28, 1973	--	--	100	170	990	520	--	--	196	0	--	--	--	990	0	--	3,350	7.6	20	
701	GS	104	Qta1	Mar. 28, 1972	--	--	2.50	370	3,100	2,800	--	--	198	0	--	--	--	2,800	0	--	12,200	7.4	19	
901	GS	200	Qta1	May 3, 1972	--	--	2.80	91	1,000	920	--	--	196	0	--	--	--	1,000	0	--	4,850	7.4	23	
36-102	GS	49	Qa1	Mar. 28, 1972	--	--	2.20	77	600	450	--	--	292	0	--	--	--	600	0	--	2,790	7.4	20	
103	GS	92	Qta1	Mar. 29, 1972	--	--	2.10	74	580	460	--	--	294	0	--	--	--	580	0	--	2,750	7.6	23	
301	GS	--	Qta1	May 2, 1972	--	--	5.60	210	3,100	210	--	--	132	0	--	--	--	3,100	0	--	6,800	7.2	21	
702	GS	--	Qta1	May 3, 1972	--	--	1.10	73	440	500	--	--	306	0	--	--	--	440	0	--	6,200	7.8	22	
703	GS	13	Qa1	Nov. 28, 1973	31	11	520	9,000	51,000	57,000	1.1	0.00	366	0	--	0.00	38	161,000	38,000	98	138,000	6.9	--	
901	GS	128	Qta1	June 30, 1950	28	--	8.02	37	1,310	12	23	91	0	--	1,310	1,650	2	2,270	1,650	1.1	2,450	7.0	--	
				May 16, 1972	--	--	--	--	1,400	--	--	--	--	--	1,400	2,320	--	--	2,320	--	2,650	7.1	--	
35-101	GS	--	Qta1	May 2, 1972	--	--	3.60	110	1,400	660	--	--	188	0	--	--	--	1,400	0	--	6,230	7.8	26	
501	GS	--	Pbed	Apr. 21, 1972	--	--	1.90	120	960	1,100	--	--	125	0	--	--	--	960	0	--	5,200	6.7	20	
701	GS	140	Qta1	Apr. 2, 1972	--	--	6.20	100	2,000	320	--	--	124	0	--	--	--	2,000	0	--	4,170	7.3	20	
62-701	GS	--	Qta1, P?	Dec. 20, 1972	--	--	6.5	36	93	100	--	--	198	0	--	--	--	93	0	--	802	7.7	--	
43-101	GS	130	Qta1	June 30, 1950	38	--	5.52	45	1,540	5.5	--	--	115	0	--	10	--	1,540	0	--	2,650	7.1	--	
				May 2, 1972	--	--	--	--	1,000	--	--	--	--	--	--	--	--	1,000	0	--	2,650	7.1	--	
202	GS	550	Qta1, Pbed	Apr. 28, 1960	18	--	1.75	96	698	630	1.0	0	291	0	--	0	0.48	2,230	840	5.1	3,570	7.0	22	
				June 15, 1970	20	--	3.73	64	1,010	550	3.3	0	215	0	--	13	0.60	2,320	1,190	6.1	3,300	7.2	--	
503	THUR	578	Pbed	June 60	20	--	2.64	103	790	680	2.0	0	372	0	--	2.0	0.50	2,430	1,030	6.9	3,300	7.2	--	
601	THUR	350	Pc?	Feb. 17, 1971	19	--	2.53	85	399	320	6	0	235	0	--	6	--	2,430	980	6.7	3,300	7.2	--	
701	GS	173	Qta1	Apr. 28, 1960	16	--	2.18	202	693	720	--	--	134	0	--	25	--	2,990	1,370	5.5	3,010	7.6	23	
51-301	THUR	150	Qta1	Feb. 17, 1971	16	--	4.76	81	1,220	417	2.2	0	76	0	--	98	--	2,270	1,220	2.5	3,000	7.6	22	
501	GS	187	Qta1	May 4, 1950	32	--	--	--	1,090	60	--	--	347	0	--	38	0.56	698	32	90	6.05	1,900	7.9	
502	THUR	184-302	Qta1	Feb. 11, 1971	25	--	1.8	7	373	64	0.6	0	318	0	--	0.6	0.4	920	73	90	3.77	1,300	8.1	
601	THUR	200	Qta1	Feb. 17, 1971	29	--	4.5	23	630	114	0.5	0	217	0	--	8	--	1,360	198	8.1	1,880	8.2	--	
701	THUR	302-950	Qta1	July 18, 1968	27	--	3.0	11	383	153	0	0	249	0	--	25	--	900	122	8.3	1,350	7.5	--	
				Apr. 30, 1968	25	--	3.1	13	270	125	1.8	0	229	0	--	18	--	900	131	10	1,450	8.3	26	
				June 5, 1970	30	--	3.9	17	250	174	1.7	0	249	0	--	5	--	910	168	7.7	1,440	7.6	26	
702	THUR	1,065	Qta1	Aug. 10, 1966	25	--	1.9	13	386	131	2.2	0	277	0	--	42	--	1,100	101	8.8	1,250	7.7	--	
				Apr. 18, 1967	28	--	2.6	11	306	136	1.6	0	277	0	--	22	--	1,100	101	8.8	1,250	7.7	--	
				June 18, 1970	30	--	2.6	11	306	136	1.6	0	277	0	--	22	--	1,100	101	8.8	1,250	7.7	--	
				Apr. 19, 1973	30	--	2.6	11	306	136	1.6	0	277	0	--	22	--	1,100	101	8.8	1,250	7.7	--	

See footnotes at end of table.

Table 3.--Chemical analyses of water from selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Precidio Holson--Continued

WELL	ANALYSIS BY	DEPTH OR PRODUCTION INTERVAL (FT)	WATER RECEIVING INST.	DATE	DIS-SOLVED SOLIDS (S102) (MG/L)	DIS-SOLVED CALCIUM (Ca) (MG/L)	DIS-SOLVED MAGNESIUM (Mg) (MG/L)	DIS-SOLVED SODIUM (Na) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED NITRATE (NO3) (MG/L)	DIS-SOLVED BORON (B) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	HARDNESS (CA+MG) (MG/L)	PERCENT SODIUM	RESIDUAL SODIUM BORATE (RES) (MG/L)	SODIUM ADSORPTION RATIO (SAR)	SPECIFIC CONDUCTANCE (MICROHMS)	PH (UNITS)	TEMPERATURE (°C)	
86-67-51-704	THHR	4307	Qta1	Aug. 10, 1966	27	37	21	272	--	235	0	221	237	1.7	5.5	--	950	181	77	0.57	8.8	1,510	7.6	24	
	THHR			July 18, 1967	29	41	21	288	--	254	0	228	250	1.6	8	--	900	188	77	.41	9.1	1,600	7.6		
	THHR			Aug. 13, 1967	26	44	21	288	--	254	0	210	242	1.4	5.5	--	900	188	75	.47	9.1	1,600	7.5	26	
	GS			Apr. 19, 1973	--	45	--	257	--	--	--	--	290	1.7	1.1	--	900	205	--	--	--	1,790	7.1	--	
705	GS	525	Qta1	Aug. 9, 1954	20	22	12	214	--	269	0	132	130	1.8	5.5	--	711	104	82	--	9.1	1,160	7.8	24	
	THHR			Aug. 10, 1966	25	26	13	234	--	252	0	134	134	1.7	6.0	--	700	126	80	--	9.1	1,200	7.5	25	
	THHR			Aug. 13, 1967	23	31	13	221	--	252	0	162	162	1.7	6.0	--	700	126	75	--	9.1	1,200	7.5	25	
	THHR			Apr. 30, 1968	24	38	18	226	--	250	0	210	169	1.3	2.0	--	810	169	74	--	9.1	1,340	7.4	--	
707	THHR	476	Qta1	Aug. 10, 1966	17	52	34	230	--	306	0	265	164	1.3	6.0	--	920	270	65	--	.00	1,480	7.5	--	
	THHR			July 18, 1968	22	16	13	388	--	482	0	352	127	2.2	22	--	1,180	95	90	--	6.00	1,740	7.4	--	
709	GS	240	Qta1	Aug. 9, 1954	32	26	16	237	--	266	0	173	168	1.8	4.7	3.6	793	122	77	--	9.3	1,310	--	24	
	THHR			Aug. 10, 1966	17	52	34	230	--	306	0	265	164	1.3	9.0	--	900	270	65	--	.00	1,480	7.5	--	
710	THHR	746-1,096	Qta1, Rct	Aug. 10, 1966	17	52	34	230	--	306	0	265	164	1.3	9.0	--	900	270	66	--	.00	1,480	7.5	--	
	THHR			Aug. 13, 1967	17	52	34	230	--	306	0	265	164	1.3	9.0	--	900	270	66	--	.00	1,480	7.5	--	
	THHR			Aug. 13, 1968	18	52	34	219	--	299	0	279	153	1.1	5.5	--	910	269	64	--	.00	1,440	7.5	26	
	THHR			July 18, 1967	29	27	9	952	--	335	0	190	167	1.9	4.0	--	780	164	86	--	1.79	1,850	7.2	--	
712	THHR		Qta1	Aug. 29, 1970	31	27	15	252	--	261	0	179	180	1.7	4.5	5	830	126	80	--	1.61	1,310	7.2	23	
	GS			Apr. 19, 1973	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,370	--	23	
714	GS		Qta1	do	--	--	--	--	--	--	--	310	--	--	--	--	--	--	--	--	--	1,430	--	23	
	THHR			Apr. 28, 1960	28	26	15	254	3.4	283	0	228	162	--	9.7	6.6	866	126	81	--	9.8	1,370	7.5	22	
801	THHR	400	Qta1	June 4, 1970	30	41	20	268	--	292	0	239	200	1.4	8.5	--	950	183	76	--	1.12	1,500	7.5	23	
	GS			Aug. 9, 1954	32	25	14	209	--	323	0	138	108	1.8	7.2	4.6	713	118	79	--	2.96	1,160	7.8	--	
	THHR			Aug. 10, 1966	26	25	13	237	--	285	0	205	185	1.6	5.4	--	810	169	67	--	.00	1,400	7.6	26	
	THHR			Aug. 13, 1968	24	64	35	288	--	285	0	265	285	1.1	5.0	--	1,110	306	67	--	.00	1,400	7.6	26	
803	GS	386	Qta1	Aug. 9, 1954	28	63	37	238	--	274	0	209	205	1.2	6.0	3.0	1,000	309	63	--	.00	1,670	7.6	23	
	THHR			do	31	85	45	259	--	259	0	274	302	1.7	1.8	3.5	1,170	400	58	--	.00	1,850	7.2	24	
804	THHR	450	Qta1	Aug. 10, 1966	26	116	56	236	--	251	0	299	373	1.3	2.5	--	1,230	320	50	--	.00	2,040	7.4	--	
	THHR			July 18, 1967	29	102	58	237	--	257	0	265	396	1.4	4.0	--	1,180	320	51	--	.00	2,000	7.5	--	
	THHR			Aug. 13, 1968	26	115	62	250	--	256	0	271	380	1.4	4.3	--	1,200	342	49	--	.00	2,040	7.5	--	
	GS			Apr. 19, 1973	--	115	62	250	--	--	--	--	380	--	--	--	--	--	--	--	--	--	2,230	--	--
902	THHR	500	Qta1	Aug. 10, 1966	29	42	10	385	--	198	0	634	231	2.2	20	--	1,250	148	85	--	.29	1,955	7.4	26	
	THHR			July 18, 1967	33	44	9	382	--	196	0	415	242	2.2	26	--	1,250	148	85	--	.26	1,960	7.5	--	
	THHR			Aug. 13, 1968	26	46	10	373	--	177	0	491	231	2.1	23	--	1,300	156	84	--	.00	1,990	7.6	26	
	GS			Apr. 19, 1973	--	46	--	373	--	--	--	--	380	--	--	--	--	--	--	--	--	--	2,230	--	--
90A	THHR	250	Qta1	Feb. 11, 1971	30	42	15	303	--	235	0	269	248	2.0	6	--	1,040	169	79	--	.80	1,610	7.8	--	
	THHR			Dec. 12, 1965	19	57	36	90	--	233	0	167	59	2.2	56	--	580	291	40	--	.00	960	7.8	--	
301	THHR	733-773	Fe	Aug. 11, 1970	18	181	94	478	--	281	0	690	670	2.0	1.0	--	2,270	840	55	--	.00	3,280	7.6	27	
	THHR			Nov. 26, 1970	12	98	110	276	--	206	0	660	282	2.5	56	--	1,600	700	46	--	.00	4.3	2,230	7.7	--
401	THHR	250	Qta1	Aug. 11, 1970	18	176	88	478	--	272	0	690	650	2.1	1.5	--	2,240	800	56	--	.00	3,190	7.7	27	
	THHR			July 29, 1960	11	57	36	118	--	208	0	146	158	.7	--	--	627	290	47	--	--	1,080	7.1	27	
53-401	THHR		Fe	Aug. 13, 1970	18	49	35	303	--	190	0	97	158	.8	4	--	550	269	45	--	.00	2.7	984	--	--
	THHR			Oct. 10, 1972	28	8.0	45	290	--	418	20	310	86	5.8	8.9	--	1,010	200	76	--	3.42	1,550	8.5	19	
701	GS		Qta1	Oct. 4, 1972	--	53	24	--	--	236	0	190	39	--	--	--	--	230	--	--	.00	875	8.1	20	
	THHR			Dec. 13, 1972	--	14	76	--	--	272	12	550	180	--	--	--	--	350	--	--	.00	2,060	8.4	19	
906	GS	87	Fe	Aug. 13, 1970	18	49	35	303	--	190	0	97	158	.8	4	--	550	269	45	--	.00	2.7	984	--	--
	THHR			May 15, 1974	35	20	7.8	120	--	238	0	79	23	2.7	4.9	--	416	82	76	--	2.59	4.58	7.8	--	
58-506	THHR	481-798	Qta1	June 13, 1974	35	20	9.5	110	--	284	0	2	26	2.2	--	--	416	89	71	--	2.55	674	8.0	25	
	GS			June 13, 1974	35	20	9.5	110	6.2	284	0	2	26	2.2	--	--	416	89	71	--	2.55	674	8.0	25	

See footnotes at end of table.

Table 3.--Chemical analyses of water from selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Preadillo Bolson--Continued

WELL	ANALYSIS BY	DEPTH OR PRODUCE INTERVAL (FT)	WATER SAMPLE UNIT	DATE	DIS-SOLVED SILICA (SiO ₂) (MG/L)	DIS-SOLVED CAL-CIUM (Ca) (MG/L)	DIS-SOLVED MAGNE-SIUM (Mg) (MG/L)	DIS-SOLVED SODIUM (Na) (MG/L)	DIS-SOLVED POTAS-SIUM (K) (MG/L)	BI-CAR-BONATE (CO ₃) (MG/L)	CAR-BONATE (CO ₃) (MG/L)	DIS-SOLVED SUL-FATE (SO ₄) (MG/L)	DIS-SOLVED CHLO-RIDE (Cl) (MG/L)	DIS-SOLVED FLU-O-RINE (F) (MG/L)	DIS-SOLVED NITRATE (NO ₃) (MG/L)	DIS-SOLVED BORON (B) (MG/L)	DIS-SOLVED SILI-CATE (Si) (MG/L)	HARD-NESS (CaCO ₃) (MG/L)	PER-CENT SODIUM	RESIDUAL CAR-BONATE (MGC)	SODIUM AD-SORP-TION RATIO (SAR)	SPECIFIC CONDUCT-ANCE (MICRO-SIEMENS)	PH (BORNE)	TEMPERATURE (°C)
7/ BL-47-26-602	GS	1,205-1,237	---	July 7, 1974	21	32	16	210	11	288	0	200	120	1.9	7.1	761	150	150	74	1.81	7.6	1,270	7.8	26
	GS	1,283-1,415	---	July 3, 1974	17	24	27	250	12	334	0	230	110	1.8	1.6	819	95	190	83	3.38	11	1,270	7.8	25
	GS	2,32-264	---	July 16, 1974	17	31	31	100	3.8	226	0	140	53	1.1	10	497	190	190	53	0.00	3.2	867	7.8	26
59-101	GS	423-623	Q2a1	Aug. 10, 1956	31	19	9	194	---	290	0	157	70	1.6	6.3	651	82	86	86	3.10	9.3	1,002	7.8	36
	THUR			Aug. 10, 1966	18	22	9	194	---	255	0	120	113	2.0	1.5	610	94	82	2.30	8.7	1,005	7.3	36	
	THUR			July 18, 1967	29	28	2	187	---	242	0	115	113	2.0	6.0	600	80	86	2.36	9.1	980	7.8	36	
102	THUR	240-311	Q2a1, K	Apr. 30, 1968	32	21	8	179	---	238	0	130	100	2.0	4.0	600	84	82	2.22	8.5	995	8.0	25	
	THUR			Aug. 10, 1966	20	67	33	169	---	285	0	180	166	1.7	5	780	304	55	00	4.2	1,355	7.6	25	
	THUR			July 18, 1967	20	84	36	168	---	278	0	209	197	1.6	7.0	860	360	50	00	3.8	1,380	7.5	36	
104	THUR	460-660	Q2a1	Aug. 13, 1968	20	52	29	160	---	279	0	171	136	1.5	5.5	710	232	58	00	4.4	1,150	7.8	36	
	THUR			June 4, 1970	20	70	36	161	---	285	0	199	177	1.5	5	810	324	52	00	3.9	1,190	8.0	36	
	THUR			Aug. 10, 1956	31	18	7	188	---	236	0	119	116	2.0	5.8	619	76	85	2.39	9.5	985	7.9	36	
106	THUR	415-615	Q2a1	Aug. 10, 1966	27	21	9	194	---	287	0	160	76	1.7	2.5	630	89	83	2.93	8.9	1,005	7.7	36	
	THUR			July 18, 1967	29	25	7	200	---	289	0	163	77	1.8	7.0	650	90	83	2.95	9.2	1,010	7.7	36	
	THUR			July 18, 1967	29	25	7	200	---	289	0	163	77	1.8	7.0	650	90	83	2.95	9.2	1,010	7.7	36	
107	GS	600	Q2a1	Apr. 30, 1968	24	22	9	193	---	293	0	182	96	1.5	3.5	660	92	87	2.88	8.8	1,015	8.0	26	
	THUR			June 4, 1970	30	22	9	193	---	293	0	182	96	1.5	3.5	660	92	87	2.88	8.8	1,015	8.0	26	
	THUR			July 18, 1967	29	28	6	214	---	265	0	129	149	1.8	5.0	680	96	83	2.11	9.5	1,135	7.5	36	
108	GS	500	Q2a1	June 5, 1970	29	24	4	211	---	268	0	167	133	1.7	1.8	700	105	105	81	1.97	8.9	1,125	7.1	26
	THUR			Apr. 19, 1973	19	70	42	160	---	280	0	190	180	1.0	6.7	834	350	50	00	3.8	1,380	7.4	36	
	THUR			Aug. 10, 1966	28	32	13	189	---	246	0	137	162	1.6	3.5	670	134	75	1.36	7.1	1,082	7.3	36	
109	THUR	260-336	Q2a1	July 18, 1967	29	32	19	197	---	266	0	139	167	1.8	3.5	690	133	76	1.39	7.4	1,102	7.2	36	
	THUR			Apr. 30, 1968	24	34	12	186	---	248	0	136	143	1.5	2.0	660	135	75	1.36	7.0	1,108	7.5	36	
	THUR			Aug. 10, 1966	22	34	15	178	---	282	0	116	125	2.2	1.5	630	146	73	1.70	6.6	1,070	7.3	36	
110	GS	1,200	Q2a1	June 30, 1950	20	66	42	148	---	276	0	191	166	---	4.5	788	337	49	00	3.5	1,310	7.5	36	
	THUR			June 4, 1970	32	34	10	219	---	233	0	169	177	1.5	5.0	760	126	79	1.31	8.5	1,190	7.7	36	
	THUR			Aug. 10, 1966	27	16	6	202	---	255	0	131	105	2.2	3.5	620	64	87	2.90	11	995	7.2	25	
201	GS	552	Q2a1, K	Sept. 15, 1951	29	16	5	201	---	266	0	138	107	2.0	7.0	630	60	88	2.84	11	998	7.7	36	
	GS	500	Q2a1, K	Apr. 30, 1968	24	13	8	196	---	243	0	145	94	2.0	5.0	620	69	86	2.60	10	1,003	8.0	24	
	THUR			Aug. 9, 1956	22	88	34	224	---	264	0	324	315	1.0	4.3	1,190	442	55	00	5.2	1,990	7.6	26	
202	GS	500	Q2a1, K	May 12, 1960	20	98	61	285	---	262	0	390	362	---	2.8	1,360	486	55	00	5.6	2,160	7.0	26	
	GS	500	Q2a1, K	Apr. 30, 1968	18	104	54	287	---	259	0	393	355	---	2.0	1,360	483	56	00	5.7	2,060	7.8	26	
	THUR			May 4, 1950	20	83	55	253	---	274	0	311	308	---	4.5	1,170	433	56	00	5.3	1,970	7.3	36	
203	GS	550	Q2a1, K	Aug. 9, 1954	19	111	66	296	---	288	0	405	388	1.6	4.8	1,630	548	54	00	5.5	2,330	7.5	26	
	THUR			Aug. 10, 1966	18	111	63	299	---	284	0	398	410	1.7	1.5	1,660	570	54	00	5.6	2,300	7.3	36	
	THUR			July 18, 1967	15	128	63	306	---	284	0	404	410	1.5	2.0	1,530	580	54	00	5.6	2,330	7.3	36	
204	GS	500	Q2a1, K	Aug. 13, 1968	18	123	69	290	---	284	0	424	442	1.6	2.0	1,470	590	52	00	5.2	2,330	7.3	36	
	GS	500	Q2a1, K	Sept. 6, 1951	24	55	55	223	---	229	0	238	242	---	5.0	1,070	322	60	00	5.4	1,700	8.2	25	
	GS	500	Q2a1, K	Apr. 19, 1973	20	140	74	388	---	275	0	469	468	1.7	3.1	1,640	660	52	00	5.5	2,490	7.2	36	
207	THUR	550	Q2a1, K	Aug. 10, 1966	17	110	59	272	---	290	0	327	354	1.5	6	1,280	520	53	00	5.2	2,060	7.6	36	
	THUR			Aug. 13, 1968	17	112	59	265	---	272	0	363	355	1.3	5.0	1,310	520	52	00	5.1	2,100	7.8	36	
	THUR			July 18, 1967	10	60	37	235	---	348	0	178	263	1.3	5.0	980	281	64	00	6.3	1,590	7.6	36	
208	THUR	606	Q2a1, K	Apr. 30, 1968	26	62	29	222	---	269	0	242	269	1.1	2.0	1,000	278	48	00	6.8	1,620	7.9	24	
	THUR			Mar. 23, 1972	18	74	50	250	---	224	0	310	300	1.1	5.3	1,110	390	58	00	5.5	1,850	8.0	36	
	THUR			July 18, 1967	24	105	50	267	---	266	0	365	342	1.3	5.5	1,270	466	55	00	5.4	1,980	7.4	36	
210	THUR	387	Q2a1, K	do	18	144	76	360	---	281	0	469	520	1.7	3.5	1,730	670	54	00	6.0	2,730	7.6	36	
	THUR			do	18	78	41	381	---	255	0	434	398	2.0	11	1,480	358	70	00	8.8	2,380	7.7	36	
	THUR			Aug. 10, 1956	32	160	90	419	---	293	0	592	570	1.6	2.5	2,000	720	57	00	6.8	2,890	7.6	26	
301	GS	500	Q2a1, K	Aug. 10, 1966	16	150	80	402	---	284	0	570	560	2.0	6	1,920	710	56	00	6.5	2,890	7.6	27	
	THUR			July 18, 1967	15	154	79	411	---	288	0	590	560	1.8	3.4	1,960	710	56	00	6.7	2,940	7.4	36	
	THUR			Apr. 30, 1968	13	148	84	420	---	288	0	630	560	1.5	6	2,000	716	56	00	6.8	2,940	7.8	24	
303	GS	500	Q2a1, K	Aug. 10, 1956	18	116	71	325	---	289	0	444	430	1.6	4.5	1,550	582	55	00	5.9	2,530	8.0	36	
	THUR			Aug. 10, 1966	16	116	71	325	---	283	0	530	510	1.7	6	1,790	690	54	00	6.1	2,700	7.4	36	
	THUR			Apr. 30, 1968	13	128	83	376	---	255	0	560	500	1.5	6	1,790	660	55	00	6.4	2,690	8.0	25	

See footnotes at end of table.

Table 3.--Chemical analyses of water from selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Area, Green River Valley, and Previdio Basin--Continued

WELL	ANALYSIS BY	DEPTH OR PROVICING INTERVAL (FT)	WATER HEATING UNIT	DATE	DIS-SOLVED SILICA (SiO ₂) (MG/L)	DIS-SOLVED SULPHATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED NITRATE (NO ₃) (MG/L)	DIS-SOLVED BORON (B) (MG/L)	DIS-SOLVED STRONTIUM (SR) (MG/L)	BI-CARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED NITRATE (NO ₃) (MG/L)	DIS-SOLVED BORON (B) (MG/L)	DIS-SOLVED STRONTIUM (SR) (MG/L)	HARDNESS (CA, MG)	PERCENT BORON (PPM)	BEDDIMENT SAMPLE (SEC)	BOHRIUM ALUMINUM RATIO (SAR)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (°C)	
HC-47-59-305	THH	6.30	Q1a1, K	Aug- 10, 1966	423	590	570	1.9	< 0.4	0.4	1,990	0	0	590	570	1.9	< 0.4	0.4	1,990	740	55	0.00	6.8	2,900	7.6	--	
	GE			July 18, 1967	416	550	570	1.9	3.5	--	1,950	204	0	550	570	1.9	3.5	--	1,950	720	56	-0.00	6.7	3,000	7.5	--	
				Apr. 19, 1973	--	--	570	--	--	--	--	--	--	--	570	--	--	--	--	--	--	--	--	--	--	--	
306	THH	500	Q1a1, K	Aug- 10, 1966	81	606	560	3.8	< .6	--	1,970	289	0	606	560	3.8	< .6	--	1,970	760	56	-0.00	6.5	2,900	7.6	--	
	THH			July 18, 1967	81	610	570	1.7	< .6	--	1,980	289	0	610	570	1.7	< .6	--	1,980	760	55	-0.00	6.5	2,900	7.7	--	
	THH			Apr. 30, 1968	90	630	560	1.8	< .4	--	2,000	288	0	630	560	1.8	< .4	--	2,000	750	54	-0.00	6.5	2,900	7.7	24	
308	GE	500	Q1a1, K	Aug. 10, 1956	18	316	89	4.17	19	.37	1,980	286	0	316	89	4.17	19	.37	1,980	706	55	-0.00	6.8	3,120	7.8	--	
309	GS	516	Q1a1, K	Aug- 9, 1956	20	310	88	4.00	18	.41	1,910	288	0	310	88	4.00	18	.41	1,910	686	55	-0.00	6.6	3,010	7.5	--	
	BHL	290	--	Aug- 3, 1972	--	--	619	565	--	--	2,016	--	--	619	565	--	--	--	2,016	--	--	--	--	--	--	--	
312	BHL	290	--	do	--	--	528	625	--	--	2,327	--	--	528	625	--	--	--	2,327	--	--	--	--	--	--	--	
601	THH	--	Q1a1	Feb. 18, 1971	35	34	10	145	--	--	580	220	0	202	17	3.1	79	--	580	125	72	1.11	5.6	836	7.6	20	
901	THH	700	P	Mar. 12, 1971	16	31	28	137	--	--	660	228	0	157	130	3.7	8.5	--	660	241	55	-0.00	3.8	1,010	7.5	26	
60-106	BVL	366	--	Aug- 3, 1972	--	101	60	420	--	--	1,776	296	0	517	500	--	--	--	1,776	498	85	-0.00	8.2	--	--	--	
401	THH	360	Q1a1	Feb. 23, 1971	30	11	3	102	--	--	331	238	0	44	3	2.2	19	--	331	40	85	3.10	7.0	486	8.0	--	
406	THH	350-592	Q1a1	Feb. 19, 1971	32	22	4	98	--	--	378	159	0	108	22	1.0	18	--	378	72	75	1.01	5.0	557	7.7	20	
601	THH	505-600	P	Feb. 23, 1971	16	97	46	215	--	--	1,070	253	0	276	288	1.9	7.6	--	1,070	431	52	-0.00	6.5	1,680	7.8	20	
603	GE	600	P	July 29, 1960	10	156	78	308	--	--	2,180	282	0	612	670	--	1.0	--	2,180	710	61	-0.00	6.3	3,030	7.1	24	
	THH			Feb. 23, 1971	18	169	82	478	--	--	2,180	283	0	620	670	2.1	< .4	--	2,180	760	58	-0.00	7.6	3,100	7.7	--	
701	GS	350-655	Q1a1	Oct. 12, 1973	31	25	79	6.8	81	.427	339	144	0	59	55	4.7	9.5	--	339	90	66	-0.55	3.7	564	8.0	--	
61-601	THH	577	P	Mar. 17, 1971	16	161	79	467	--	--	2,080	275	0	600	630	2.3	4.5	--	2,080	730	57	-0.00	7.2	3,000	7.5	23	
403	THH	740	P	Feb. 25, 1971	7	92	63	216	--	--	1,980	221	0	316	272	2.5	< .4	--	1,980	406	54	-0.00	4.7	1,650	7.6	18	
PH-08-08-405	GS	12.5	Q1	Oct. 30, 1975	62	1,000	8,000	59,000	2,000	.87	139,000	398	0	18,000	71,000	4.2	.87	--	139,000	35,000	69	-0.00	90	141,000	6.8	--	
23-901	GS	--	--	Mar. 29, 1972	--	230	85	--	--	--	272	0	740	280	--	--	--	--	--	930	--	-0.00	--	2,270	7.7	20	
24-201	GS	38	Q1	Mar. 28, 1972	--	220	100	--	--	--	276	0	790	660	--	--	--	--	--	990	--	-0.00	--	3,010	7.6	18	
202	GS	--	--	do	--	290	100	--	--	--	268	0	830	660	--	--	--	--	--	1,100	--	-0.00	--	3,020	7.6	20	
203	EPTL	515	Evap	1961.3	24	1.0	--	--	--	--	143	0	666	382	--	--	--	--	1,393	--	--	--	--	--	7.6	--	
902	GS	340	Evap	Mar. 29, 1972	--	200	70	--	--	--	270	0	510	380	--	--	--	--	--	790	--	-0.00	--	2,270	7.5	27	
45-602	SBL	930-1,060	K	July 13, 1972	--	0.3	50	666	--	--	653	0	402	438	1.7	1.2	--	--	1,636	608	70	--	--	2,536	7.2	25	
	THH			May 29, 1973	--	--	--	--	--	--	409	525	--	409	525	--	--	--	1,780	--	--	--	--	--	2,180	7.6	--
	THH			Feb. 10, 1975	--	12.8	67	350	36	3.2	2,180	436	0	436	590	3.8	3.2	--	2,180	464	69	-0.00	10	3,770	7.6	--	
603	THH	917-1,096	K	Feb. 5, 1975	--	13.8	23	416	25	.5	1,300	176	0	306	500	3.2	.5	--	1,300	219	78	-0.00	12	2,730	7.9	--	
901	SBL	1,126	K	Mar. 19, 1972	--	--	--	--	--	--	226	--	--	226	78	--	--	--	808	--	--	--	--	--	--	--	
46-601	SBL	1,093	K	do	--	--	--	--	--	--	661	--	--	661	915	--	--	--	2,506	--	--	--	--	--	--	--	
701	SBL	1,137	K	Mar. 29, 1972	--	--	--	--	--	--	367	--	--	367	631	--	--	--	1,868	--	--	--	--	--	--	--	
53-101	SBL	1,361	K	Mar. 15, 1972	--	--	--	--	--	--	48	--	--	48	32	--	--	--	1,780	--	--	--	--	--	--	--	
403	SBL	166-200	71 or Q1	Apr. 13, 1972	--	--	--	--	--	--	536	--	--	536	--	--	--	--	536	--	--	--	--	--	--	--	
501	SBL	481-1,110	ET	Apr. 13, 1972	--	--	--	--	--	--	2,336	--	--	2,336	--	--	--	--	2,336	--	--	--	--	--	--	--	
801	THH	181	K	Sept. 27, 1968	--	.02	19	55	--	--	660	324	0	94	48	1.3	5.0	--	660	316	27	-0.00	1.3	924	7.8	--	
802	THH	184	K	Nov. 17, 1970	--	.02	109	60	--	--	610	320	0	107	18	1.3	5.0	--	610	315	22	-0.00	1.0	870	7.5	--	
	GS	286	K	July 20, 1973	--	< .01	100	12	--	--	316	0	100	19	--	--	--	--	316	310	22	-0.00	1.0	762	7.6	20	
803	THH	357	K	Feb. 3, 1972	--	.30	113	17	81	--	780	332	0	164	62	1.6	4.0	--	780	358	33	-0.00	1.9	1,113	7.5	--	
806	GS	970	K	Aug- 23, 1973	19	.01	76	25	100	--	636	316	0	190	39	1.8	3.1	--	636	290	44	-0.00	2.7	949	7.6	26	
56-201	SBL	947	K	Mar. 30, 1972	--	--	--	--	--	--	1,608	--	--	323	496	--	--	--	1,608	--	--	--	--	--	--	--	

See footnotes at end of table.

Table 3.--Chemical analyses of water from selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Holman--Continued

WELL	ANALYSIS TYPE	DEPTH OR PROVICING INTERVAL (FT)	WATER SAMPLE DRAINING UNIT	DATE	DIS-SOLVED SILICA (SiO ₂) (MG/L)	DIS-SOLVED CALCIUM (Ca) (MG/L)	DIS-SOLVED MAGNESIUM (Mg) (MG/L)	DIS-SOLVED SODIUM (Na) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (MG/L)	CARBONATE (MG/L)	DIS-SOLVED SULPHATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (Cl) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED NITRATE (NO ₃) (MG/L)	DIS-SOLVED BORON (B) (MG/L)	DIS-SOLVED IRON (MG/L)	DIS-SOLVED MANGANESE (Mn) (MG/L)	DIS-SOLVED ZINC (Zn) (MG/L)	DIS-SOLVED COPPER (Cu) (MG/L)	DIS-SOLVED SILVER (Ag) (MG/L)	DIS-SOLVED CADMIUM (Cd) (MG/L)	DIS-SOLVED LEAD (Pb) (MG/L)	DIS-SOLVED MERCURY (Hg) (MG/L)	RESIDUAL CARBONATE (MG)	SODIUM ADJUSTMENT RATIO (SAR)	SPECIFIC CONDUCTANCE (MICHOHM/CM)	PH (UNITS)	TDH-TUBE (°C)	
70-48-54-401	TDR	1,102	K	Sept. 27, 1965	0.04	97	36	340	--	356	0	362	650	4.5	< 0.4	--	2,050	390	75	0.00	12	3,801	7.5	--	--	0.00	--	3,801	7.5	--
402	GS	500-950	K	July 23, 1963	--	27	9.8	103	--	346	0	186	202	--	8.4	--	905	108	86	3.52	13	1,610	--	38	3.52	13	1,610	--	38	
404	GS	900-1,000	K	Sept. 14, 1948	2.3	60	17	489	28	342	0	363	450	5.2	1.3	0.99	1,620	270	81	1.21	14	2,660	7.7	--	--	1.21	14	2,660	7.7	--
	SRL			Mar. 27, 1972	--	--	--	131	--	--	--	121	131	--	--	638	--	--	--	--	--	--	--	--	--	--	--	--	--	--
405	GS	600-957	K	July 23, 1963	1.1	68	19	496	22	340	0	373	468	5.3	1.6	--	1,664	248	80	.75	14	--	--	31	.75	14	--	7.8	31	
501	SRL	1,117-1,177	K	Apr. 10, 1972	--	--	--	--	--	--	--	267	681	--	--	--	1,676	--	--	--	--	--	--	--	--	--	--	--	--	--
502	SRL	950	K	Mar. 31, 1972	--	--	--	--	--	--	--	659	608	--	--	--	1,986	--	--	--	--	--	--	--	--	--	--	--	--	--
503	GS	800-1,120	K	Aug. 23, 1972	27	86	26	610	--	372	0	390	650	4.9	6.2	--	1,980	320	80	.00	15	3,330	7.8	28	.00	15	3,330	7.8	28	
801	GS	900-945	K	Sept. 15, 1972	19	81	30	600	--	426	0	400	610	4.8	1.1	--	1,960	330	80	.47	15	3,260	8.0	22	.47	15	3,260	8.0	22	
901	GS	1,150	K	July 23, 1963	--	128	65	1,103	--	426	0	1,498	775	--	2.6	--	3,780	587	80	.00	20	5,600	--	--	.00	20	5,600	--	--	
55-802	GS	12-190	Fe	Aug. 31, 1972	30	61	19	28	--	296	0	31	4.7	.6	10.0	--	330	230	21	.25	.8	531	7.9	20	.25	.8	531	7.9	20	
56-802	GS	20-186	Fe	Sept. 1, 1972	--	74	59	--	--	464	0	210	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,430	7.7	22
803	GS	130	Fe	do	--	57	31	--	--	300	0	90	43	--	--	--	270	--	--	--	--	--	--	--	--	--	789	7.8	19	
61-201	GS	200-690	K	Apr. 12, 1951	21	56	35	130	--	328	0	333	38	--	--	--	672	30	--	--	--	--	--	--	--	--	1,030	8.2	--	--
	GS			Feb. 18, 1970	11	33	33	106	--	298	0	212	30	2.1	8.4	--	590	271	66	.00	18	905	7.4	21	.00	18	905	7.4	21	
302	GS	640-700	QTA1	Aug. 17, 1972	16	41	27	120	--	268	0	210	32	3.8	--	--	380	210	36	.12	3.7	907	8.2	--	--	.12	3.7	907	8.2	--
	GS			Feb. 7, 1976	--	50	29	--	--	298	0	170	37	--	--	--	240	--	--	--	--	--	--	--	--	--	--	937	8.2	--
501	GS	620	K	Dec. 3, 1973	--	53	35	--	--	264	16	180	56	--	--	--	280	--	--	--	--	--	--	--	--	--	1,000	8.6	20	
62-701	GS	525	QTA1	Apr. 12, 1951	25	66	26	137	--	316	0	196	42	.2	--	--	626	222	57	.71	20	967	8.3	--	--	.71	20	967	8.3	--
	TDR			Feb. 16, 1970	5	28	26	119	--	231	0	171	23	2.3	11.3	--	495	161	62	.37	4.1	789	7.3	18	.37	4.1	789	7.3	18	
801	GS	598	QTA1	Aug. 17, 1972	20	26	8.5	72	--	192	0	192	21	1.3	23.0	--	305	95	62	1.25	3.2	497	7.8	--	--	1.25	3.2	497	7.8	--
802	GS	450-540	QTA1	May 22, 1966	22	35	20	132	--	276	0	147	48	2.1	7.3	--	349	170	63	1.12	4.4	852	7.7	21	1.12	4.4	852	7.7	21	
63-302	GS	485-602	Fe	Aug. 31, 1966	27	41	46	156	--	410	0	185	58	1.1	6.5	--	719	284	54	1.05	4.0	1,130	7.6	26	1.05	4.0	1,130	7.6	26	
301	GS	212	Fe	Aug. 31, 1972	--	62	50	--	--	322	6	290	83	--	--	--	360	--	--	0	--	--	--	--	0	--	--	1,290	8.4	23
801	GS	238	K	July 10, 1972	--	550	180	--	--	380	0	2,000	5.5	--	--	--	2,100	--	--	0	--	--	--	--	0	--	3,260	7.7	21	
66-601	GS	177	QTA1	June 8, 1973	37	30	23	96	--	336	0	55	20	2.8	8.0	--	634	170	55	2.08	1.1	678	8.2	21	2.08	1.1	678	8.2	21	
603	GS	220	QTA1	July 26, 1963	--	91	66	106	--	302	0	328	95	--	11	--	868	498	32	.00	2.1	1,330	--	--	.00	2.1	1,330	--	--	
901	GS	738-1,011	QTA1	Aug. 25, 1972	--	52	60	--	--	328	0	200	45	--	--	--	290	--	--	.00	--	--	--	--	.00	--	1,030	7.8	21	
50-08-203	GS	360-390	QTA1	July 23, 1963	16	10	8.2	151	--	238	0	135	32	--	6.9	--	460	7	85	2.73	8.6	--	--	--	--	2.73	8.6	--	--	
801	GS	190	K	Aug. 10, 1972	--	62	38	260	--	322	0	410	85	2.4	18	--	1,020	310	62	.00	5.9	1,560	7.9	22	.00	5.9	1,560	7.9	22	
07-201	GS	66-286	K	Aug. 3, 1972	--	57	18	--	--	298	0	48	16	--	--	--	220	--	--	.56	--	--	--	--	.56	--	596	8.0	23	
401	GS	510	QTA1	Oct. 30, 1964	36	47	6.7	49	--	210	0	51	14	.7	4.5	--	312	165	42	.54	1.8	480	7.1	28	.54	1.8	480	7.1	28	
	GS			June 6, 1973	--	46	6.6	--	--	228	0	52	17	--	--	--	140	--	--	.90	--	--	--	--	.90	--	499	7.8	29	
501	GS	1,000	QTA1	Nov. 28, 1973	26	14	2.6	82	2.4	158	0	45	28	1.6	6.6	.1	284	46	79	1.68	5.3	667	8.1	--	1.68	5.3	667	8.1	--	
	GS			Nov. 29, 1973	23	10	2.2	110	2.3	206	0	40	33	2.6	6.6	--	326	34	87	2.70	8.1	508	8.3	30	2.70	8.1	508	8.3	30	
	GS			Dec. 13, 1973	6.1	16	5.6	290	--	344	12	290	56	2.7	7.5	--	838	58	92	6.68	16.0	1,320	8.4	--	6.68	16.0	1,320	8.4	--	
801	GS	510	QTA1	Oct. 30, 1966	36	461	1.6	55	--	122	0	48	19	1.0	6.4	--	250	66	65	.72	3.0	380	7.6	29	.72	3.0	380	7.6	29	
08-101	GS	40-237	K	Sept. 16, 1972	38	99	8.0	65	--	324	0	90	37	1.6	7.3	--	605	280	36	.00	1.7	792	7.8	20	.00	1.7	792	7.8	20	
102	GS	--	K	July 24, 1963	--	72	12	27	--	273	0	46	11	--	.8	--	360	229	20	.00	.8	550	--	28	.00	.8	550	--	28	

See footnotes at end of table.

Table 3.--Chemical analyses of water from selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Salcom--Continued

WELL	ANALYSIS BY	DEPTH OF PRODUCING INTERVAL (FT)	WATER BEARING UNIT	DATE	DIS-SOLVED SILICA (SiO ₂) (MG/L)	DIS-SOLVED IRON (FE) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	DIS-SOLVED BORATE (BO ₃) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED NITRATE (NO ₃) (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED THIOBATES (MG/L)	DIS-SOLVED SILICATES (MG/L)	RESIDUAL SODIUM BORATE (BSC)	SODIUM BORATE RATIO (SBA)	SPECIFIC CONDUCTIVITY (MICROHMS)	PH (UNITS)	TEMPERATURE (°C)	
RL-51-02-910	GS	305	QTA	May 5, 1950	66	--	14	4.4	90	--	208	16	--	6.8	0.23	359	53	79	5.4	502	8.3	--	
911	GS	310-490	QTA	Aug. 15, 1973	--	--	--	--	--	--	--	16	--	--	--	--	--	--	--	516	--	27	
926	TDHR	180-400	QTA	Aug. 11, 1966	62	--	16	5	86	--	214	17	2.0	3.0	364	61	76	4.8	485	7.5	24		
	TDHR			July 19, 1967	65	--	19	3	86	--	212	17	1.9	5.0	345	60	76	4.8	490	7.5	--		
	TDHR			Apr. 29, 1968	64	--	16	4	86	--	192	13	2.1	5.0	319	50	76	2.18	4.9	490	7.5	26	
927	TDHR	--	QTA	July 19, 1967	38	--	16	4	87	--	216	18	2.0	7.0	329	63	75	2.24	4.8	496	7.5	--	
928	GS	463	QTA	May 5, 1950	66	--	--	--	89	--	211	17	--	6.3	0.24	366	59	77	2.28	5.0	517	7.9	--
929	TDHR	422	QTA	June 14, 1967	52	--	18	2	95	--	210	20	1.7	4.0	349	52	80	2.41	5.7	496	7.2	--	
	TDHR			Apr. 29, 1968	57	--	13	3	87	--	184	15	1.4	5.0	335	46	81	2.30	5.6	444	8.5	--	
03-201	GS	967	F	Aug. 26, 1963	--	--	67	30	132	--	198	16	--	1.0	--	--	261	58	4.3	--	26		
401	GS	60	Q1 or TV	do	--	--	--	--	--	--	352	50	--	--	--	--	--	--	--	908	--	26	
402	GS	550	QTA	do	--	--	--	--	--	--	224	22	--	--	--	--	--	--	--	362	--	26	
801	GS	400	QTA	Aug. 26, 1963	--	--	37	8.4	86	--	202	29	--	11	360	127	59	.78	3.2	--	--		
09-102	GS	--	QTA	Nov. 16, 1972	21	--	50	12	--	--	218	13	--	--	--	--	--	.9	--	461	8.0	--	
103	GS	183	K	Oct. 18, 1972	21	--	200	68	160	--	302	30	.7	1.3	1,440	790	30	0	2.5	1,860	7.6	21.5	
301	GS	> 500	K	Dec. 1, 1972	13	--	15	12	140	--	266	32	1.9	1.8	628	87	77	2.26	6.3	728	8.3	17	
501	GS	280	QTA	Nov. 11, 1964	32	.03	46	18	113	--	261	26	5.6	8.2	387	323	13	1.09	5.6	457	7.3	19	
	GS			Nov. 14, 1964	31	--	63	15	21	--	286	19	4.7	6.2	300	220	17	.28	4.6	459	7.9	22	
503	GS	344	QTA	do	--	--	38	9.9	--	--	180	12	7.6	--	--	--	--	--	--	364	7.7	23	
802	GS	100	QTA	Nov. 16, 1972	--	--	61	14	--	--	222	12	--	62	--	--	--	--	--	554	7.8	20	
10-303	GS	603	QTA	May 13, 1960	58	--	13	4.2	86	5.0	201	18	--	5.3	21	317	50	77	2.30	5.3	485	7.5	25
	TDHR			July 19, 1967	56	--	16	3	91	--	205	18	1.8	5.5	342	51	80	2.32	5.5	464	7.7	--	
305	TDHR	325	QTA	Aug. 11, 1966	60	--	21	5	99	--	199	25	2.0	5.0	393	75	76	1.37	6.9	560	7.7	--	
	TDHR			July 19, 1968	60	--	23	3	99	--	192	26	1.0	16.0	405	70	75	1.24	5.1	560	7.6	--	
	TDHR			Apr. 29, 1968	66	--	24	5	93	--	296	20	1.9	2.5	396	82	71	1.74	4.5	576	7.5	26	
308	GS	240-430	QTA	Apr. 10, 1973	66	--	16	3.8	91	--	208	17	2.1	6.1	351	56	78	2.30	5.3	303	7.6	--	
309	GS	350	QTA	June 21, 1969	68	--	13	3.9	89	--	206	17	--	6.8	--	353	68	80	2.61	5.6	493	8.0	--
	GS			May 17, 1973	--	--	--	--	--	--	--	23	--	--	--	--	--	--	--	579	--	--	
311	GS	107	QTA	Aug. 26, 1963	--	--	29	5.5	91	--	215	25	--	7.0	--	--	--	--	--	95	68	1.90	6.1
312	TDHR	100-350	QTA	Aug. 11, 1966	60	--	105	20	206	--	205	256	1.9	13.0	1,000	346	56	.00	6.8	1,730	7.5	--	
	TDHR			July 19, 1967	49	--	121	18	228	--	201	219	1.7	16.5	1,140	378	57	.00	5.1	1,750	7.5	--	
314	GS	444	QTA	Apr. 10, 1973	--	--	--	--	--	--	--	17	--	--	--	--	--	--	--	501	--	--	
322	TDHR	385	QTA	Aug. 11, 1966	60	--	17	6	83	--	210	17	1.8	1.5	336	68	73	2.18	6.6	490	7.3	--	
	GS			Apr. 29, 1968	53	--	16	4	86	--	207	12	1.8	4.6	321	54	77	2.32	5.0	460	7.3	--	
	GS			Apr. 11, 1973	--	--	--	--	--	--	--	17	--	--	--	--	--	--	--	499	--	--	
323	TDHR	--	QTA	Aug. 13, 1968	58	--	17	5	89	--	199	18	1.7	5.0	366	65	76	1.97	6.8	500	7.9	--	
	GS			Apr. 11, 1973	--	--	--	--	--	--	--	20	--	--	--	--	--	--	--	508	--	--	
325	TDHR	280-500	QTA	Aug. 11, 1966	56	--	32	5	93	--	216	28	1.7	3.5	405	101	67	1.68	4.0	607	7.6	--	
	TDHR			Aug. 15, 1968	56	--	15	4	83	--	207	13	2.5	3.5	325	57	76	2.27	4.8	479	7.5	--	
327	TDHR	--	QTA	June 16, 1967	57	--	16	3	92	--	206	17	1.6	4.6	334	67	81	2.61	5.8	672	7.6	28	
328	GS	80-110 100-280 380-534	QTA	Apr. 11, 1973	85	--	160	31	200	--	214	200	1.2	13.0	1,240	320	65	.00	3.7	1,800	7.6	--	
331	TDHR	611	QTA	Aug. 11, 1966	60	--	21	5	86	--	198	23	1.9	7.0	381	72	76	1.81	4.8	555	7.6	--	
	TDHR			July 19, 1967	56	--	23	4	95	--	196	27	1.9	7.0	389	76	73	1.67	4.7	576	7.5	--	
	TDHR			Aug. 13, 1978	56	--	21	5	99	--	196	25	1.6	4.4	400	74	75	1.77	5.0	580	7.2	--	
	GS			Apr. 10, 1973	--	--	--	--	--	--	--	31	--	--	--	--	--	--	--	729	--	--	

See footnotes at end of table.

Table 3.--Chemical analysis of water from selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Holman--Continued

WELL	ANALYSIS BY	DEPTH OR PRODUCE INTERVAL (FT)	MATER BEARING UNIT	DATE	DIS-SOLVED CALCIUM (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (MG/L)	DIS-SOLVED POTASSIUM (MG/L)	DIS-SOLVED CHLORIDE (MG/L)	DIS-SOLVED SULFATE (MG/L)	CAR-BONATE (CO ₃) (MG/L)	DIS-SOLVED BICARBONATE (MG/L)	DIS-SOLVED BICARBONATE (MG/L)	DIS-SOLVED FLUORIDE (MG/L)	DIS-SOLVED BORON (MG/L)	DIS-SOLVED SILICATE (MG/L)	HARDNESS (CAL. DEG.)	PER-SODIUM (MG/L)	REGIONAL CARBONATE (MG/L)	SODIUM AD-TION (MG/L)	SULFATE AD-TION (MG/L)	SPHATIC AD-TION (MG/L)	PH (MIN)	TEMPERATURE (°C)
HS-51-10-333	GS	330	Q241	Apr. 10, 1973	--	--	--	--	17	--	0	--	--	9.7	--	--	--	72	--	--	508	--	--	--
336	GS	312	Q241	Jan. 13, 1973	64	68	110	--	26	--	0	--	--	5.2	0.12	--	93	72	1.29	5.0	665	8.0	25	24
335	GS	67-267	Q241V	May 4, 1950	65	--	87	--	25	--	--	206	--	5.2	0.12	--	54	78	2.30	5.2	662	--	--	24
336	THBR	100	Q241	Aug. 11, 1966	60	4	91	--	22	4	220	220	2.0	2.5	--	361	72	2.17	6.7	516	7.5	36	36	
604	GS	375	Q241V?	July 19, 1967	60	2	88	--	21	2.0	209	209	2.0	6.0	--	350	62	2.19	4.9	506	7.5	27	27	
603	THBR	420'	Q241	Aug. 13, 1968	58	3	87	--	18	1.9	209	209	1.9	5.5	--	350	64	2.16	4.7	505	7.8	27	27	
605	GS	350	Q241V?	May 4, 1950	64	--	87	--	22	4	205	205	2.0	5.1	1.8	353	56	2.14	5.1	689	7.9	--	--	
603	THBR	420'	Q241	Aug. 11, 1966	60	6	86	--	16	2.0	205	205	2.0	11.0	--	341	60	2.14	5.1	679	7.8	--	--	
603	THBR	420'	Q241	Apr. 29, 1968	53	4	86	--	13	1.9	211	211	1.9	3.5	--	329	56	2.18	5.0	692	8.2	--	--	
603	THBR	420'	Q241	Apr. 11, 1973	--	--	86	--	17	--	--	--	--	--	--	--	--	77	--	--	502	--	--	--
603	THBR	420'	Q241	June 15, 1967	38	6	90	15	16	1.8	216	216	1.8	4.5	--	323	48	2.75	5.7	689	7.0	25	25	
603	THBR	420'	Q241	Apr. 29, 1968	57	6	86	--	13	1.7	209	209	1.7	2.5	--	328	48	2.67	5.6	625	7.0	--	--	
603	THBR	420'	Q241	Apr. 11, 1973	--	--	86	--	19	--	--	--	--	--	--	--	--	80	--	--	635	--	--	--
606	THBR	366	Q241V?	Aug. 11, 1966	56	5	98	--	18	1.7	196	196	1.7	4.7	--	378	65	1.93	5.3	553	7.5	--	--	
605	GS	360	Q241	May 2, 1950	64	--	88	--	12	5	206	206	5	4.7	--	357	53	2.32	5.3	501	8.4	--	--	
606	GS	355	Q241	May 13, 1960	60	12	82	5.6	16	1.6	206	206	1.6	3.5	--	326	50	2.27	5.0	471	7.9	25	25	
609	THBR	420'	Q241	Apr. 11, 1973	--	--	82	--	16	--	--	--	--	--	--	--	--	76	--	--	485	--	--	--
609	THBR	420'	Q241	Aug. 11, 1966	60	7	106	--	22	7	209	209	7	2.0	--	420	82	1.78	5.1	613	7.3	25	25	
611	THBR	420'	Q241	Apr. 29, 1968	53	5	105	--	22	5	209	209	5	1.9	--	416	77	1.88	5.2	619	7.6	21	21	
611	THBR	420'	Q241	Apr. 11, 1973	--	--	105	--	18	--	--	--	--	--	--	--	--	75	--	--	635	--	--	--
611	THBR	420'	Q241	July 19, 1967	62	5	96	--	25	5	195	195	5	1.8	--	403	83	1.55	4.5	595	7.8	--	--	
612	THBR	360	Q241	Aug. 13, 1968	53	6	93	--	25	6	196	196	6	3.5	--	392	87	1.66	4.3	595	7.8	--	--	
612	THBR	360	Q241	July 19, 1967	60	5	99	--	15	5	196	196	5	1.8	--	389	60	1.98	5.6	550	7.2	26	26	
613	GS	350	Q241	June 15, 1967	58	--	99	--	15	--	--	--	--	--	--	--	--	78	--	--	517	--	--	--
613	GS	350	Q241	Apr. 11, 1973	--	--	99	--	21	--	--	--	--	--	--	--	--	77	--	--	717	--	--	--
614	GS	320-425	Q241V	do	46	22	91	--	26	1.6	206	206	1.6	31.0	--	387	96	1.62	4.0	556	7.6	--	--	
616	GS	303	Q241V?	June 23, 1969	74	15	92	--	26	--	206	206	--	6.5	--	400	78	1.77	4.5	559	7.9	--	--	
617	GS	306	Q241V?	June 16, 1973	--	--	92	--	26	--	206	206	--	6.5	--	400	78	1.77	4.5	559	7.9	--	--	
618	THBR	110-160	Q41	Aug. 11, 1966	60	58	129	--	20	263	193	193	1.9	4	--	670	229	1.00	3.7	803	7.0	26	26	
618	THBR	265-417	Q41	July 19, 1967	60	67	132	--	16	276	178	178	1.7	12.5	--	710	275	1.00	3.8	1,000	7.2	--	--	
623	GS	--	Q241V	Apr. 3, 1974	60	19	121	--	37	19	173	173	1.7	8.5	--	650	219	1.00	3.6	975	7.8	21	21	
901	THBR	400	Q241	Apr. 3, 1974	60	15	93	--	15	6.4	208	208	1.8	8.0	--	350	56	2.30	5.6	691	8.3	--	--	
906	THBR	420'	Q241	July 19, 1967	31	18	156	--	18	1	229	229	3.3	4	--	497	50	2.76	9.6	765	7.2	--	--	
906	THBR	420'	Q241	do	58	3	86	--	16	3	209	209	3	6.0	--	332	56	2.95	5.1	670	7.6	--	--	
11-402	GS	390	Q241V	Aug. 13, 1968	53	6	83	--	13	6	203	203	6	3.5	--	317	48	2.36	5.2	465	7.8	--	--	
603	GS	622	Q241V	Apr. 11, 1973	--	--	83	--	15	--	--	--	--	--	--	--	--	79	--	--	677	--	--	--
PS-51-12-301	GS	87	Q241V	May 5, 1950	74	20	89	--	32	20	206	206	9.2	26	--	492	162	1.10	3.0	720	7.9	--	--	
PS-51-17-202	GS	234	Q241V	Feb. 25, 1972	--	--	89	--	33	--	--	--	--	--	--	--	--	26	--	--	618	--	--	--
301	GS	455	Q241V	June 25, 1972	46	76	93	--	19	5	250	250	5	26	--	372	230	1.00	1.0	562	8.4	--	--	
701	GS	100	Q417	Mar. 13, 1974	--	19	8.9	--	17	6.3	200	200	--	--	--	--	86	--	1.60	1.0	601	7.8	19	19
702	GS	100	Q417	do	64	58	9.6	--	3.2	17	400	400	--	--	--	--	180	--	2.88	--	664	7.2	22	22
PS-51-19-101	GS	448	Q241	Sept. 13, 1966	63	32	126	--	37	2.4	322	322	1.9	16	1.8	557	160	2.08	6.3	820	7.2	23	23	
106	THBR	322-480	Q241	Mar. 12, 1974	64	250	600	8.6	340	1.4	336	336	1.4	110	1.0	82	770	2.0	6.5	2,990	7.0	18	18	
				May 3, 1950	34	--	51	--	7.0	--	160	160	2.2	4.6	0.6	209	44	1.76	3.3	311	8.0	--	--	
				Aug. 11, 1966	18	9	58	--	7.0	1.0	161	161	1.0	4	--	188	37	1.91	4.1	300	7.5	26	26	

See footnotes at end of table.

Table 3.--Chemical analyses of water from selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson.--Continued

WELL	ANALYSIS BY	DEPTH OF PROBEING INTERVAL (FT)	MATRIX BEARING UNIT	DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED SULPHATE (SO ₄) (MG/L)	DIS- SOLVED CHLORIDE (CL) (MG/L)	DIS- SOLVED BROMIDE (BR) (MG/L)	DIS- SOLVED IODIDE (I) (MG/L)	DIS- SOLVED FLUORIDE (F) (MG/L)	DIS- SOLVED NITRATE PLUS NITRITE (NO ₃ +NO ₂) (MG/L)	DIS- SOLVED BORON (BORON) (MG/L)	DIS- SOLVED SOLIDS (GSD OF TDS) (MG/L)	TRAD- (CA, Mg) (MG/L)	PER- CENT SOLIDS	RESIDUAL CAR- BONATE (MG)	SODIUM AD- JUSTED RATIO (SAR)	SPECIFIC CONDUCT- ANCE (MHMS)	PH (MHS)	TOT- AL TUR- BIDITY (%)
PS-51-19-202	GS	425	Q1s1	June 21, 1972	66	120	41	98	41	1.9	15	473	85	75	75	1.67	5.2	693	8.3	--
	GS	306-447	Q1s1	June 21, 1949	76	105	22	58	22	--	5.9	392	66	83	83	2.63	6.7	562	8.0	--
	TDRB	585	Q1s1	July 19, 1967	53	85	13	37	13	1.8	5.0	308	51	78	78	2.34	5.2	460	7.3	--
	GS	463	Q1s1	June 16, 1973	55	83	16	205	16	1.8	2.2	313	52	78	78	2.33	5.0	460	7.5	25
20-001	GS	280	Q1s1	do	--	--	12	--	--	--	--	--	--	--	--	--	--	616	--	--
	GS	280	Q1s1	Sept. 27, 1972	58	110	18	34	18	2.4	3.8	382	48	83	83	2.96	6.9	561	7.6	23
	GS	350	TV	Sept. 25, 1972	44	73	198	0	49	1.2	8.0	322	90	64	64	1.83	3.3	487	7.6	25
	GS	200	TV	Oct., 10, 1972	31	35	26	26	12	2.6	5.7	261	160	53	53	1.3	4.3	609	7.7	23
104-51-25-201	GS	20-60	Qs1	Apr. 19, 1961	32	300	300	0	300	1.0	0	1,390	490	57	57	0.0	5.9	2,210	7.0	22
	GS	20-60	Qs1	Mar., 15, 1974	28	300	650	0	650	7.7	5.9	2,600	880	55	55	0.0	7.4	3,760	7.1	21
	GS	68	Qs1	do	29	680	1,000	0	920	5	5.9	3,340	1,300	53	53	0.0	8.3	5,170	7.1	20
	GS	51	Qs1	Mar., 19, 1974	55	1,500	1,700	0	242	2	75	6,930	710	82	82	0.0	2.5	7,670	6.8	22
PS-51-28-202	GS	206	Qs1	do	--	--	29	70	29	--	0	--	14	--	--	--	--	616	8.3	25
	GS	206	Q1s1	June 5, 1974	27	70	810	0	810	1,200	--	3,240	1,000	60	60	0.0	9.9	4,930	7.7	19
	GS	81	Qs1	do	65	990	460	0	810	460	--	2,790	69	97	97	13.6	32.0	4,200	6.0	26
	GS	306	Q1s1	Mar., 29, 1961	29	38	13	13	10	0.7	0.9	192	114	26	26	0.0	3.2	302	7.4	22
104-51-27-603	GS	306	Q1s1	Oct., 6, 1972	27	21	16	188	0	8.9	3.6	223	160	24	24	2.4	4.8	368	7.3	--
	GS	306	Q1s1	Nov., 10, 1972	26	19	18	155	0	5.4	1.5	191	120	26	26	0.3	4.9	293	7.8	--
	GS	306	TV	Mar., 25, 1955	50	23	6.6	191	0	4.2	0.5	226	122	29	29	0.0	2.5	7,670	6.8	22
	GS	310-770	Q1s1	Apr., 1, 1975	--	100	--	--	--	--	--	25	28	89	89	--	--	490	7.8	--
104-51-26-701	GS	107	Q1s1	Mar., 24, 1955	48	168	23	316	0	200	11	659	188	63	63	1.39	6.7	984	7.6	--
	GS	306-620	Q1s1	Aug., 24, 1975	--	91	--	--	--	--	--	11	70	74	74	4.7	4.7	610	7.8	--
	GS	306-505	TV	Feb., 23, 1956	26	86	16	238	0	35	1.6	308	36	67	67	3.14	7.0	138	7.9	32
	GS	286-1,001	TV	Mar., 13, 1956	46	97	25	225	0	23	3.2	309	25	89	89	3.12	6.4	665	7.9	34
901	GS	400	TV	Nov., 9, 1972	53	110	53	242	0	53	1.5	361	39	86	86	3.19	7.5	525	8.2	--
	GS	320	Q1s1	Mar., 22, 1955	80	67	10	203	0	18	4.3	299	101	50	50	1.30	6.4	307	7.5	23
	GS	1,135-1,165	Q1s1	Apr., 23, 1974	64	130	41	168	0	120	2.2	690	77	76	76	1.21	6.2	680	8.0	--
	GS	971-1,001	Q1s1	Apr., 25, 1974	70	120	36	174	0	100	2.5	665	72	75	75	1.00	6.0	628	8.1	--
PS-51-29-103	GS	850-880	TV	Apr., 26, 1974	66	120	37	162	0	120	2.5	478	63	78	78	1.60	6.6	660	8.2	--
	GS	352-375	TV	May 1, 1974	75	100	38	136	0	92	3.0	430	62	77	77	1.33	5.7	503	8.0	--
	GS	210-385	Q1s1	Sept., 21, 1972	16	68	28	144	0	28	2.7	206	21	88	88	1.95	6.5	339	8.0	--
	GS	870	Q1s1	Aug., 13, 1948	28	71	13	32	12	1.3	4.5	231	14	87	87	2.22	8.2	362	8.2	--
105	GS	316-462	Q1s1	Sept., 14, 1952	31	76	15	156	0	15	5.8	234	16	90	90	2.66	8.5	361	7.7	20
	GS	316-462	Q1s1	Sept., 21, 1972	--	77	--	107	0	27	6.0	263	16	91	91	2.28	8.4	356	8.5	--
	GS	316-462	Q1s1	Aug., 26, 1943	51	62	107	138	0	22	1.4	206	24	85	85	1.77	5.3	317	7.9	22
	GS	657	Q1s1	Sept., 28, 1972	24	62	32	138	0	22	1.4	206	24	85	85	1.77	5.3	317	7.9	22
30-301	GS	135	TV	Nov., 8, 1972	77	36	41	256	0	41	3.5	390	360	23	23	0.0	1.0	630	7.7	--
	GS	10	TV	do	33	26	29	200	0	32	1.6	327	210	21	21	0.0	1.8	513	7.8	--
	GS	150	TV	do	30	38	17	248	0	29	3.7	297	100	32	32	0.6	1.2	629	8.2	--
	GS	162	TV	Sept., 14, 1973	--	42	46	456	4	100	66	--	70	--	--	7.21	--	1,070	8.4	29
004-51-34-302	GS	21	Qs1	June 16, 1974	19	850	560	260	0	570	560	490	66	66	66	0.0	8.8	2,960	7.5	22
	GS	401	Qs1	Mar., 23, 1955	53	30	6.4	298	0	6.4	2.0	318	195	25	25	0.8	2.9	472	7.9	21

See footnotes at end of table.

Table 3.--Chemical analyses of water from selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Persimto Basin--Continued

WELL	ANALYSIS BY	DEPTH OR PRODUCING INTERVAL (FT)	WATER BEARING UNIT	DATE	DIS-SOLVED SILICA (MG/L)	DIS-SOLVED IRON (PPM)	DIS-SOLVED CALCIUM (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (MG/L)	DIS-SOLVED POTASSIUM (MG/L)	BICARBONATE (MG/L)	CARBONATE (MG/L)	DIS-SOLVED SULFATE (MG/L)	DIS-SOLVED CHLORIDE (MG/L)	DIS-SOLVED FLUORIDE (MG/L)	DIS-SOLVED NITRATE (MG/L)	DIS-SOLVED PHOSPHATE (MG/L)	HARDNESS (CA, MG)	PERCENT SODIUM	RESIDUAL HARDNESS (MG/L)	SODIUM SULFATE RATIO (GAL)	SPECIFIC CONDUCTIVITY (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (°C)
09-31-36-601	GS	--	QTA1V	Nov. 20, 1971	32	1.4	9.2	1.3	1.3	--	368	0	67	18	1.2	< 0.02	473	26	42	3.88	11	--	8.1	--
701	GS	240	QTA1V	Feb. 23, 1955	48	< .01	58	4.4	18	--	231	0	4.1	3.5	1.6	1.5	252	163	19	.53	4.6	367	7.3	--
37-601	GS	372	QTA1V	Mar. 30, 1961	72	--	16	2.8	95	--	301	0	62	16	--	6.6	369	52	80	2.26	5.7	508	7.6	22
701	GS	330	QTA1V	Oct. 27, 1972	37	--	46	4.4	30	--	220	0	6.0	3.2	1.6	6.6	242	130	33	.95	1.1	360	7.5	--
43-101	GS	8,815	K	Nov. 30, 1965	187	.03	14	1.9	524	57	474	0	392	322	8.3	5	1,740	65	91	6.91	35	3,560	8.0	82
	GS			Sept. 15, 1973	--	--	44	1.6	--	300	0	370	300	--	--	--	--	120	--	6.62	--	2,400	7.9	--
201	GS	6,708	K	June 6, 1974	86	--	35	2.4	380	42	484	0	220	240	8.8	.3	1,250	97	85	5.99	17	1,960	8.0	--
46-101	GS	600	TV	Mar. 30, 1961	67	--	30	12	35	--	204	0	13	10	1.1	4.0	272	124	38	.96	1.4	480	7.5	--
51-301	GS	20	TV	Nov. 22, 1954	42	.01	1.2	.2	113	2.7	198	12	30	16	3.6	4.5	324	4	97	3.16	24.5	484	8.7	37
801	GS	42-82	Qa1	Apr. 22, 1961	33	--	290	53	631	14	412	0	836	785	.9	0	2,850	962	59	.00	9.0	4,250	7.3	23
	GS			June 10, 1974	31	--	530	65	730	11	406	0	940	960	--	--	3,270	1,100	59	.00	9.6	4,800	7.3	20
802	TALES	0-172	QTA1	July 16, 1955	--	--	606	86	469	0	287	9	869	1,230	--	--	3,556	1,670	35	.00	4.7	--	--	--
803	TALES	10-46	Qa1	do	--	--	372	74	265	--	268	12	715	940	--	--	2,866	1,735	25	.00	2.8	--	--	--
804	TALES	11-81	Qa1	do	--	--	658	88	297	--	208	12	790	1,168	--	--	3,217	2,009	24	.00	4.7	--	--	--
805	TALES	22	Qa1	do	--	--	299	44	441	--	256	12	616	720	--	--	2,388	928	51	.00	6.3	--	--	--
808	GS	80	Qa1	do	--	--	31	14	75	--	244	21	40	15	--	--	439	134	55	3.02	2.8	--	--	--
	GS			Jan. 30, 1957	39	--	22	9	107	1.7	292	0	33	12	2.2	10	422	66	78	3.46	5.8	576	7.8	--
	GS			Mar. 30, 1961	85	.01	26	2.6	107	2.6	292	0	36	13	9.2	9.2	426	75	75	3.29	5.4	574	7.3	17
	THUR			Mar. 26, 1972	--	--	26	4.0	106	--	298	0	36	13	2.1	5.9	480	81	74	3.31	3.5	--	8.0	--
52-501	GS	--	TV	June 9, 1974	52	--	7.4	1.5	110	1.6	260	0	33	16	2.9	.8	353	25	90	3.77	9.6	500	8.1	24
59-201	TALES	53	Qa1	July 12, 1956	--	--	22	29	328	--	451	18	195	202	--	--	1,245	176	80	4.49	10.8	--	--	--
202	THUR	--	Qa1	Apr. 26, 1972	--	< .02	33	4.0	233	14	381	0	136	115	5.6	< .4	920	99	84	.00	10.1	--	7.7	--
501	GS	41	Qa1	May 16, 1974	--	--	870	180	--	--	230	0	880	2,500	--	--	--	2,900	--	.00	--	9,620	7.5	24
803	GS	26	Qa1	do	--	--	9.4	4.5	--	--	938	0	900	750	--	--	--	42	--	16.5	--	5,710	8.1	24
901	GS	26	Qa1	June 9, 1974	31	20	58	8.0	210	23	384	0	170	120	7.7	1.2	808	180	69	2.74	6.9	1,260	7.9	24
903	GS	--	Qa1	May 12, 1974	43	--	40	10.0	189	22	300	0	180	90	5.1	.00	718	140	70	2.10	6.8	1,170	8.2	24
60-401	GS	0-100	Qa1,TV	June 10, 1974	--	--	32	4.9	150	14	267	0	100	77	4.6	--	--	100	73	2.38	6.5	907	7.9	51
402	GS	38	Qa1	do	44	--	270	25.0	440	24	240	0	950	340	--	--	--	780	54	1.23	5.3	3,180	7.8	27
802	GS	60-640	--	June 11, 1974	--	--	39	13.0	150	14	265	0	160	89	--	--	--	150	66	1.23	5.3	1,020	8.0	34
74-03-203	GS	37	Qa1	May 16, 1974	--	--	51	66	--	--	84	0	880	1,300	--	--	--	400	--	.00	--	5,770	6.8	22
204	GS	70	Qa1	do	--	--	130	52	--	--	552	0	1,000	1,100	--	--	--	540	--	.00	--	6,120	7.8	23
301	GS	--	Qa1	May 12, 1974	--	--	53	11	--	--	328	0	130	77	--	--	--	180	--	1.83	--	1,060	8.0	24
504	GS	70	Qa1	May 15, 1974	--	--	52	68	--	--	820	0	1,100	710	--	--	--	410	--	5.25	--	5,530	8.0	23
902	GS	5-60	Qa1	do	29	--	270	68	640	17	352	0	740	890	--	-1	2,030	950	59	.00	9.0	4,510	7.7	19
04-601	GS	20-200	QTA1	Mar. 7, 1973	--	--	110	9.6	--	--	220	0	270	86	--	--	--	310	--	.76	--	1,170	8.0	23
501	GS	10-300	QTA1	do	53	--	62	19	100	--	322	0	98	62	2.1	.3	958	210	49	.63	3.0	865	7.9	23
802	GS	7	TI	Apr. 8, 1974	--	--	12	2.8	--	--	324	0	110	57	--	--	--	42	--	6.48	--	997	8.3	25
901	GS	349	QTA1 or TI	do	--	--	18	3.5	--	--	164	0	53	63	--	--	--	59	--	1.50	--	525	7.6	20
11-301	GS	33	Qa1	May 14, 1974	2.5	--	460	150	1,700	27	30	0	1,100	2,000	.3	-1	6,350	1,800	67	.00	18	10,600	6.6	21
12-101	GS	155-252	QTA1	Apr. 8, 1974	35	--	18	7.1	220	6.5	316	0	110	120	4.4	.2	672	74	85	3.70	11	1,160	8.3	26

See footnotes at end of table.

Table 3.--Chemical analyses of water from selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Presidio Bolson.--Continued

WELL	ANALYSIS BY	DEPTH OR PRODUCING INTERVAL (FT)	WATER TEMPERATURE (°C)	DATE	DIS-SOLVED SILICA (SiO ₂) (MG/L)	DIS-SOLVED CALCIUM (Ca) (MG/L)	DIS-SOLVED MAGNESIUM (Mg) (MG/L)	DIS-SOLVED SODIUM (Na) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (CO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (Cl) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED STRONTIUM (Sr) (MG/L)	DIS-SOLVED BORON (B) (MG/L)	DIS-SOLVED THURSTON (Mg/L)	RESIDUAL SODIUM CARBONATE (SAR)	SODIUM ADSORPTION RATIO (SAR)	SPECIFIC CONDUCTANCE (MHOS)	PH	TEMPERATURE (°C)
0W-74-12-201	GS	387	Q7a1	Apr. 6, 1974	15	11	1.5	600	3.4	352	24	460	220	0.5	0.00	--	1,610	34	45	2,620	8.6	29
401	GS	47	Qa1	Apr. 15, 1974	--	51	20	--	--	368	0	110	53	--	--	--	--	1.51	--	945	7.9	26
601	GS	22	Q7a1	Apr. 3, 1974	--	33	1.6	--	--	232	0	15	10	--	--	--	--	2.02	--	614	8.3	21
801	GS	44	Qa1	Apr. 5, 1974	--	500	100	740	8.0	260	0	1,200	1,300	.4	.00	--	4,020	.00	7.9	5,980	8.0	21
13-101	GS	365	Q7a1	Apr. 6, 1974	63	33	3.7	56	3.8	164	0	48	24	.5	4.9	--	298	.76	2.5	449	8.1	25
102	GS	274	Q7a1	June 8, 1974	--	35	7.1	--	--	192	0	22	15	--	--	--	120	.02	--	389	8.0	18
701	GS	--	Q7a1	Apr. 3, 1974	45	19	3.0	230	6.7	364	12	110	89	6.2	.4	--	701	5.17	13	1,140	8.6	25
20-201	GS	50	Qa1	May 13, 1974	26	310	55	520	11	426	0	730	700	.8	.2	--	2,360	.00	7.2	3,950	7.8	20
205	GS	31	Qa1	Apr. 6, 1974	9.9	470	140	1,200	29	360	0	1,600	1,600	.5	.00	--	5,230	.00	12.0	7,070	7.5	20
601	GS	20	Qa1	Oct. 4, 1973	--	210	98	--	--	560	0	1,500	1,100	--	--	--	--	.00	--	6,340	7.4	22
906	GS	1-36	Qa1	do	41	700	360	3,800	--	452	0	4,600	4,400	2.2	6.2	--	--	.00	29	18,500	7.2	23
21-801	GS	--	Q7a1	Apr. 5, 1974	28	38	6.0	460	--	388	0	410	250	6.7	.00	--	1,390	1.97	18	2,270	7.9	26
22-201	GS	46	Q7a1	Feb. 18, 1974	--	58	5.5	--	--	212	0	19	9.1	--	--	--	--	.13	--	618	7.7	22
902	IBMC	396	Q7a1	May 15, 1960	46	15	4.4	126	2.4	269	7.2	46	24	1.1	9.9	0.16	612	3.31	23	3,230	7.3	--
24-201	GS	696	K1	Feb. 16, 1974	34	16	2.2	120	--	277	0	47	24	1.1	7.1	--	391	.00	23	404	7.6	19
29-101	GS	38	Qa1	July 26, 1964	--	5	2.0	111	--	214	16	34	13	--	8.0	--	--	.00	20	520	8.5	29
205	GS	36	Qa1	Aug. 1, 1958	26	119	1.6	119	.7	207	8	37	18	2.0	13.0	.29	336	.00	23	520	8.5	29
604	GS	29	Qa1	Oct. 3, 1973	5.2	88	11	120	--	104	0	270	120	--	.9	--	668	.00	3.2	1,090	7.5	23
606	GS	18	Qa1	Apr. 23, 1973	43	330	56	570	--	276	0	900	500	.4	.9	--	2,370	.39	23	3,680	7.7	--
612	TDHR	147	Q7a1	Nov. 16, 1964	35	356	11	120	--	398	0	1,100	590	1.0	12	--	2,480	.00	7.6	4,050	7.5	23
615	TDHR	50	Qa1	Oct. 17, 1963	--	465	36	--	--	149	0	810	179	1.5	.4	--	1,660	.00	12.0	5,300	7.6	20
30-301	GS	106	Q7a1	June 19, 1974	--	31	3.0	--	--	171	0	710	500	.7	.4	--	2,000	.00	1.7	2,030	7.2	--
401	IBMC	32	Qa1	Nov. 1969	66	97	16	273	4.69	281	0	461	125	1.71	27	.48	1,221	.00	6.8	1,740	7.6	--
402	GS	30-66	Qa1	July 19, 1968	60	78	9.8	63	8.4	260	0	114	28	1.2	9.6	.37	524	.00	1.8	764	7.4	--
403	GS	24	Qa1	Mar. 29, 1961	52	210	22	289	6.1	366	0	624	194	--	--	--	1,610	.00	3.1	2,260	6.8	22
407	TDHR	58-78	Qa1	Aug. 24, 1973	47	380	42	280	--	304	0	740	470	--	9.7	--	2,100	.00	3.5	3,080	7.4	22
409	GS	55-78	Qa1	Oct. 17, 1963	--	97	2	101	--	237	0	517	35	.9	20	--	710	.00	2.8	1,015	7.5	--
410	GS	40-65	Qa1	Sept. 14, 1963	--	64	5	66	--	216	0	120	1.0	1.0	15	--	499	.00	2.1	690	7.9	--
411	GS	65	Qa1	Aug. 6, 1968	--	58	23	96	--	244	0	182	37	1.0	19	--	660	.00	2.7	1,000	7.8	--
419	GS	about 60	Qa1	May 3, 1970	--	100	9	109	--	227	0	228	66	1.0	20	--	760	.00	2.8	1,155	7.9	--
422	GS	--	Qa1	Apr. 27, 1970	--	105	<.05	<.05	--	227	0	260	68	1.0	22	--	790	.00	2.9	1,216	7.7	--
423	TDHR	--	Qa1	June 13, 1973	--	113	11	125	--	220	0	284	82	1.1	22	--	860	.00	3.0	1,344	7.7	--
601	GS	24	Qa1	Aug. 15, 1974	--	124	4	129	--	227	0	290	78	1.7	22	--	880	.00	1.9	1,386	7.5	--
704	GS	21	Q7a1	Mar. 21, 1973	27	66	11	54	--	206	0	82	17	.4	1.3	--	339	.99	1.9	556	8.1	21
411	GS	40-65	Qa1	May 11, 1974	--	40	6.2	--	--	153	0	130	20	--	--	--	--	.00	--	606	7.9	26
419	GS	65	Qa1	Aug. 23, 1973	--	260	10	--	--	72	0	940	220	--	--	--	--	.00	--	2,480	7.3	23
422	GS	about 60	Qa1	Aug. 22, 1973	31	530	69	530	--	398	0	1,400	670	.9	4.9	--	3,470	.00	5.8	4,610	7.5	22
601	GS	24	Qa1	Jan. 1967	--	71	5	31	--	229	0	78	16	1.0	18	--	469	.00	1.6	652	7.6	--
704	GS	21	Qa1	June 19, 1974	--	29	2.9	79	3.0	244	0	34	13	--	--	--	--	3.31	3.7	307	7.7	25
704	GS	21	Qa1	June 14, 1974	--	270	31	290	9.0	410	0	770	210	--	--	--	--	.00	4.5	2,570	7.6	22

See footnotes at end of table.

Table 3.--Chemical analyses of water from selected wells, test holes, and springs in the Salt Basin, Eagle Flat, Red Light Draw, Green River Valley, and Precidio Basin--Continued

WELL	ANALYSIS BY	DEPTH PRODUCING INTERVAL (FT)	WATER BEARING UNIT	DATE	DIS-SOLVED SILICA (SiO ₂) (MG/L)	DIS-SOLVED IRON (FE) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED SULPHATE (SO ₄) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	DIS-SOLVED BORATE (BO ₃) (MG/L)	DIS-SOLVED STRONTIUM (SR) (MG/L)	DIS-SOLVED LITHIUM (LI) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED NITRATE (NO ₃) (MG/L)	DIS-SOLVED BORON (B) (MG/L)	DIS-SOLVED SOLUBLE TURBIDITY (NTU)	HARDNESS (CA, MG) (MG/L)	PERCENT SODIUM	RESIDUAL SODIUM BORATE (RSC) (MG/L)	SODIUM SORPTION RATIO (SAR)	SPECTRIFIC CONDUCTIVITY (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (°C)
1W-7A-30-805	GS	8	Qa1	June 17, 1974	--	--	69	5.8	47	--	--	--	--	--	1.9	--	--	200	34	1.21	1.5	562	7.5	22
807	GS	24	Qa1	June 15, 1974	--	--	120	4.5	--	--	--	--	--	--	--	--	--	320	--	.00	--	1,720	7.5	26
809	TDR	17-42	Qa1	Dec. 8, 1969	--	.06	193	17	251	--	--	--	1.0	16.5	--	--	1,530	550	52	.00	4.9	--	--	--
	TDR			Oct. 14, 1973	--	--	128	9	191	--	--	--	1.2	4	--	--	1,160	380	54	.00	4.4	--	7.8	--
810	GS	36	Qa1	June 15, 1974	--	--	180	5.8	--	--	--	--	--	--	--	--	--	670	--	.00	--	3,090	7.4	27
31-201	GS	290	QTa1	June 19, 1974	--	--	36	2.1	--	--	--	--	--	--	--	--	--	99	--	1.88	--	544	7.9	23
501	TDR	128	QTa1	Nov. 1968	--	--	49	9.1	58	2.7	290	13	1.3	6.2	0.15	368	--	5	44	.00	2.0	522	8.0	--
	GS			June 19, 1974	--	--	1.9	--	--	--	192	0	9.9	--	--	--	--	5	70	3.05	--	363	7.7	25
701	GS	22-33	QTa1	do	--	--	59	--	--	--	247	0	9.1	--	--	--	--	170	--	.64	--	444	7.7	26
39-201	GS	150-204	QTa1	June 17, 1974	--	--	180	22	210	7.1	228	0	500	--	--	--	1,200	490	48	.00	4.1	1,780	7.7	26
501	TDR	25	Qa1	Nov. 2, 1969	67	--	125	21	439	5.1	252	0	566	4.0	32	.30	1,787	--	70	.00	9.6	2,650	7.6	26
504	TDR	174-216	QTa1	Apr. 27, 1972	--	.20	21	6	82	--	168	0	53	1.6	9	--	373	77	79	1.21	4.1	550	8.1	--
505	GS	about 200	QTa1	June 17, 1974	36	20	32	.5	180	2.6	78	0	180	.6	3.2	--	634	82	82	.00	8.7	1,060	8.8	25
601	GS	386	QTa1	do	--	--	28	2.3	--	--	162	0	30	--	--	--	--	79	--	.00	--	392	7.8	27
804	GS	135	QTa1	do	84	20	64	5.6	64	2.1	218	0	540	10	23	--	1,390	180	82	.00	12	2,060	7.6	24
48-101	GS	64	Tv?	June 18, 1974	--	--	25	2.4	--	--	239	0	54	--	--	--	--	72	--	2.47	--	590	7.3	25

See footnotes at end of table.

