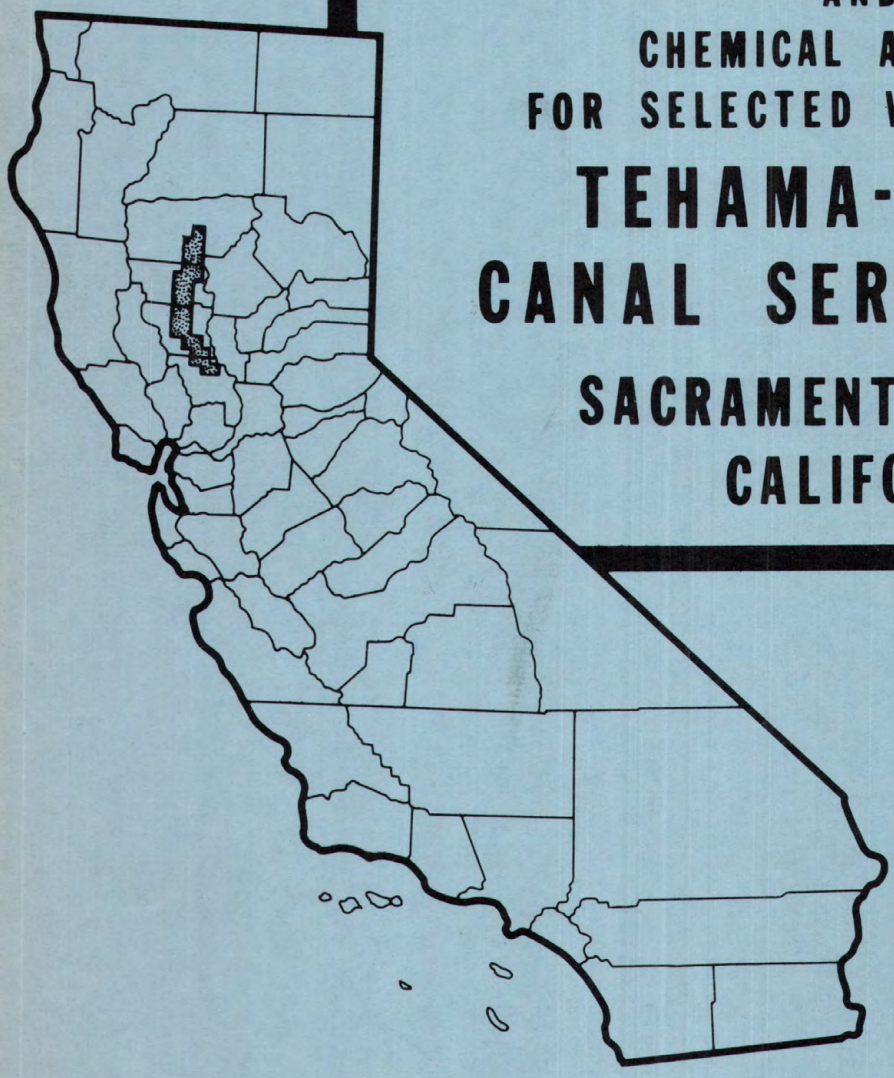
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DESCRIPTIONS AND CHEMICAL ANALYSES FOR SELECTED WELLS IN THE TEHAMA-COLUSA CANAL SERVICE AREA SACRAMENTO VALLEY CALIFORNIA



OPEN-FILE REPORT

Prepared in cooperation with the
CALIFORNIA DEPARTMENT OF WATER RESOURCES

UNITED STATES
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GEOLOGICAL SURVEY

DESCRIPTIONS AND CHEMICAL ANALYSES FOR SELECTED WELLS IN THE TEHAMA-COLUSA CANAL SERVICE AREA SACRAMENTO VALLEY, CALIFORNIA

By Ronald P. Fogelman

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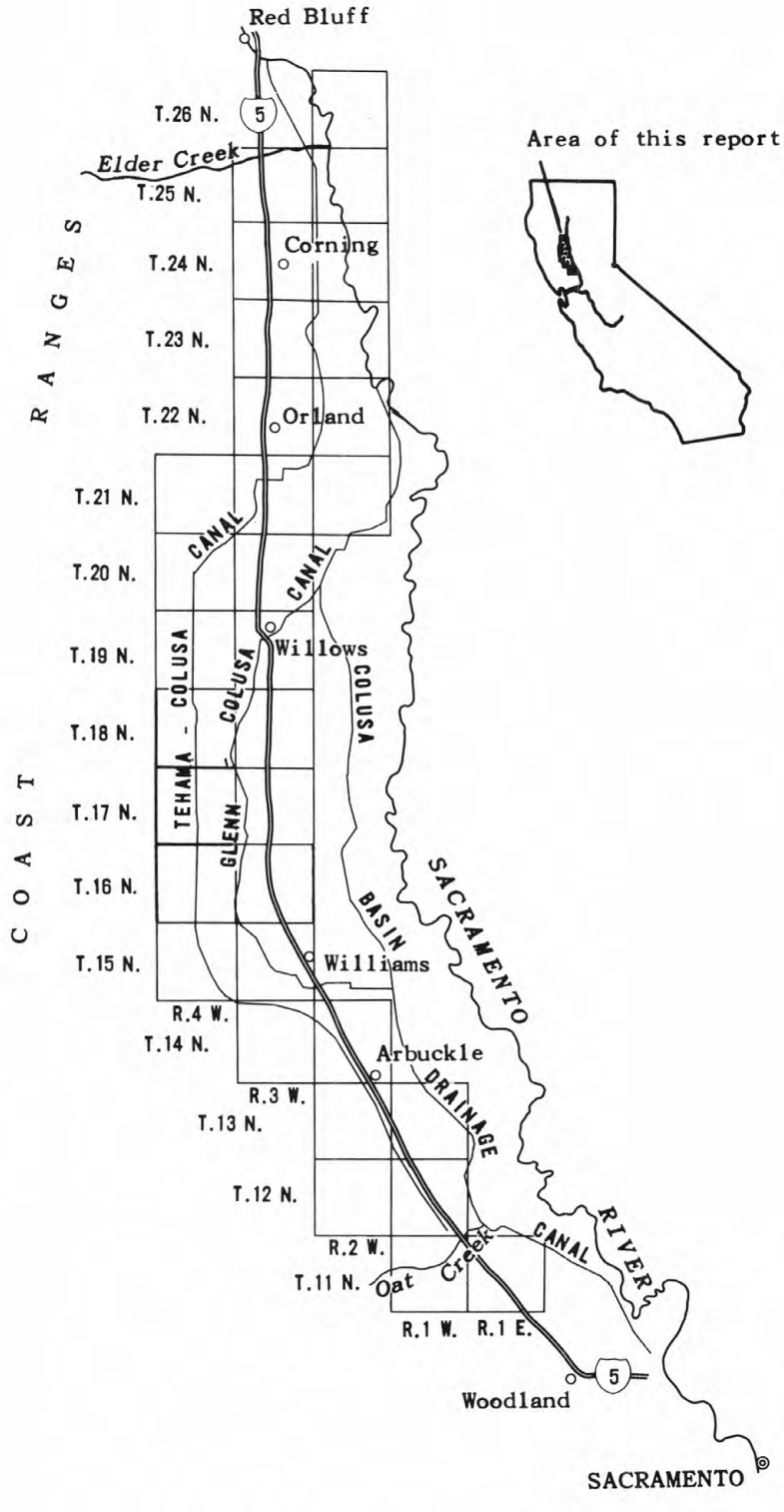


FIGURE 1.--Index map.

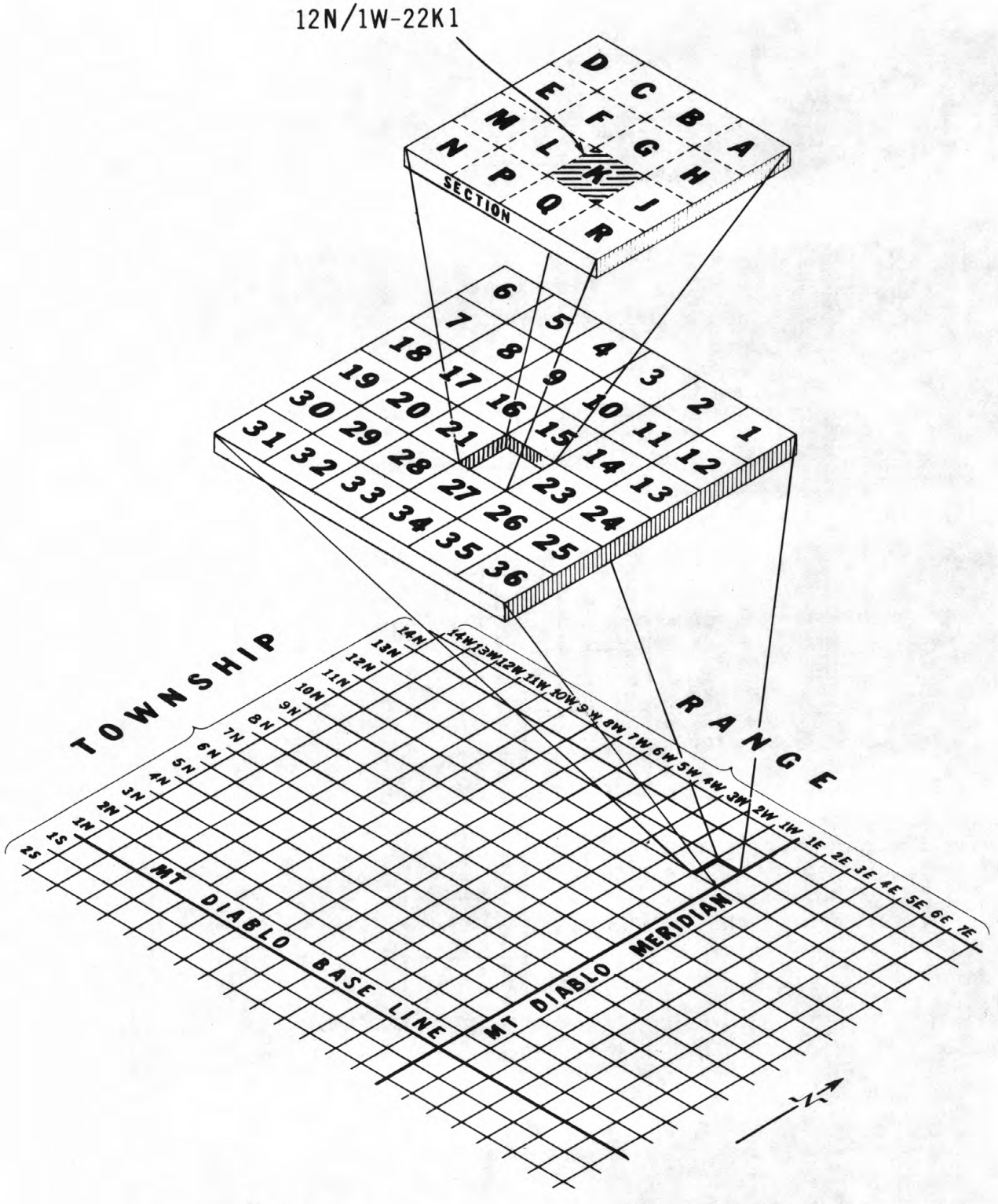


FIGURE 2.--Well-numbering system.

DESCRIPTIONS AND CHEMICAL ANALYSES FOR SELECTED WELLS IN THE TEHAMA-COLUSA CANAL SERVICE AREA SACRAMENTO VALLEY, CALIFORNIA

By Ronald P. Fogelman

The Tehama-Colusa Canal Service Area is in the northwestern part of the Sacramento Valley, in parts of Yolo, Colusa, Glenn, and Tehama Counties. The area includes 450 square miles (1,160 square kilometres). The boundaries are: West, the eastern slopes of the Coast Ranges; north, Elder Creek; northeast, the Sacramento River and the Glenn-Colusa Canal; east and southeast, the Colusa Basin Drainage Canal; and south, Oat Creek.

Between April and July 1974, 393 wells were selectively canvassed and between August and October 1974, water samples were collected for chemical analysis from 222 wells of the 393 wells canvassed. Field determinations of alkalinity, conductance, pH, and temperature were made on the site at the time of sampling. The samples were then field prepared for shipment and analysis for individual constituents at the Geological Survey Central Laboratory, Salt Lake City, Utah. Descriptive data for water wells are listed in table 1, chemical data in tables 2 and 3, and the location of these wells is shown on maps 1-28.

Additional data are on file in the Geological Survey, Water Resources Division, office at 2800 Cottage Way, Sacramento, Calif.

For use of those readers who may prefer to use metric units rather than English units, the conversion factors for the terms used in this report are listed below:

CONVERSION FACTORS

Factors for converting English units to the International System of Units (SI) are given below to four significant figures. However, in the text, the metric equivalents are shown only to the number of significant figures consistent with the values for the English units.

English	*Multiply by:*	*Metric (SI)*
acres	4.047×10^{-3}	km^2 (square kilometres)
ft (feet)	3.048×10^{-1}	m (metres)
gpm (gallons per minute)	6.309×10^{-2}	l/s (litres per second)
hp (horsepower)	$7.460 \times 10^{+2}$	w (watts)
in (inches)	$2.540 \times 10^{+1}$	mm (millimetres)
mi^2 (square miles)	2.590	km^2 (square kilometres)

Table 1.--*Description of wells*

[Boxhead explanations are abstracted from U.S. Geological Survey "Instructions for Using the Punch-Card System for the Storage and Retrieval of Ground-Water Data"]

State well number: The wells are identified according to their location in the rectangular system for the subdivision of public land. The identification consists of the township number, north or south; the range number, east or west; and the section number. The section is further subdivided into sixteen 40-acre tracts lettered consecutively (excepting I and O), beginning with A in the northeast corner of the section and progressing in a sinusoidal manner to R in the southeast corner. Wells within the 40-acre tract are numbered sequentially. The base line and meridian are indicated by the final letter, as follows: H, Humboldt; M, Mount Diablo; S, San Bernardino.

Owner or user: The apparent owner or user on the date indicated.

Ownership:

- C County
- F Federal Government
- M City, town, or unincorporated village
- N Corporation or company, churches, lodges, and other nonprofit, nongovernment groups
- P Private
- S State agency
- W Water district.

Use of water:

- A Air conditioning
- B Bottling
- C Commercial
- D Dewatering
- E Power generation
- F Fire protection
- H Domestic
- I Irrigation
- M Medicinal
- N Industrial, including mining
- P Public supply
- R Recreation
- S Stock supply
- T Institutional
- U Unused
- V Repressurization
- W Recharge
- X Desalination, public supply
- Y Desalination, other use
- Z Other.

Use of well:

- A Anode
- D Drainage
- G Seismic hole
- H Heat reservoir
- O Observation
- P Oil or gas
- R Recharge
- T Test hole
- U Unused
- W Withdraw water
- X Waste disposal
- Z Destroyed.

Well data: In tabulation below, C, complete data; N, no data; P, partial data. Complete physical data include depth, diameter, and finish. Complete geologic data include lithology and aquifer thickness. Complete water-level data include altitude of land-surface datum, in feet above mean sea level; water level, in feet above(+) or below land-surface datum; and date of measurement. Complete yield data include rate of pumping and drawdown.

Code symbol	1	2	3	4	5	6	7	8	9	0
Physical	C	C	P	C	C	P	C	C	P	P
Geologic	C	C	P	C	C	N	C	N	P	N
Water level	C	C	C	N	N	P	P	C	C	N
Yield	C	N	C	C	N	P	C	N	N	P

Chemical analyses:

- C Complete
- G Dissolved gases
- J Conductance and chloride
- K Conductance
- L Chloride
- M Multiple (complete and one or more partials)
- P Partial
- R Radiochemical (plus partial or complete chemical)
- S Special (tritium, carbon-14, and all other special determinations)
- T Trace elements (spectrographic).

Log data:

- A Drilling-time
- B Casing-collar
- C Caliper (diameter) survey
- D Driller's
- E Electric
- F Fluid-conductivity or fluid-resistivity
- G Geologist or sample
- H Magnetic
- I Induction
- J Gamma-ray
- K Dipmeter or directional (inclinometer) survey
- L Laterolog
- M Microlog
- N Neutron
- O Microlaterolog
- P Photographic
- Q Radioactive-tracer
- R Radiation (includes both neutron and gamma-ray)
- S Sonic
- T Temperature
- U Temperature and fluid-conductivity (resistivity)
- V Fluid-velocity
- W Electric and radiation
- X Electric, radiation, caliper, and fluid-velocity
- Y Electric, radiation, and sample (or driller's)
- Z Electric, radiation, temperature, and fluid-conductivity.

Depth of well: Depth, in feet below land-surface datum, as reported by owner, driller, or others, or as measured by the Geological Survey.

Depth cased: Length of casing, in feet below land-surface datum, to the top of the first perforations.

Diameter: Inside diameter of the well, in inches; nominal inside diameter, in inches, of the innermost casing at the surface for drilled cased wells.

Well finish:

- C Porous concrete
- F Gravel wall, perforated or slotted casing
- G Gravel wall, commercial screen
- H Horizontal gallery or collector
- O Open end
- P Perforated or slotted casing
- S Screen
- T Sand point
- W Walled or shored
- X Open hole in aquifer (generally cased to aquifer)
- Z Other.

Method drilled:

- A Rotary
- B Bored or augered
- C Cable-tool
- D Dug
- H Hydraulic-rotary
- J Jetted
- P Air percussion
- R Reverse-rotary
- T Trenching
- V Driven
- W Drive-wash
- Z Other.

Lift type:

- A Air
- B Bucket
- C Centrifugal
- J Jet
- L Multiple (centrifugal)
- M Multiple (turbine)
- N None
- P Piston
- R Rotary
- S Submergible
- T Turbine
- Z Other.

Power:

1 Hand

2 Natural gas engine
- A 0-20 hp
- B >20-50
- C >50-100
- D>100-200
- E >200

3 Gasoline engine
- F 0-5 hp
- G >5-20
- H >20-50
- J >50-100
- K >100-200
- L >200

4 Diesel engine
- M 0-50 hp
- N >50-150
- P>150-400
- Q>400-750
- R >750

5 Electric motor
- S 0-1 hp
- T >1-5
- U >5-15
- V>15-100
- W >100

6 Wind

7 LP gas engine (propane or butane)
- A 0-20 hp
- B >20-50
- C >50-100
- D>100-200
- E >200

8 Other.

Altitude of lsd: Altitude of land-surface datum, in feet, above mean sea level. Land-surface datum is an arbitrary plane closely approximating land surface at the time of the first measurement and used as the plane of reference for all subsequent measurements.

Water level: Depth to water, in feet, above(+) or below land-surface datum.

Date measured: Month and year of the water-level measurement; other data given generally apply for this date.

Yield of well: Yield, in gallons per minute; drawdown, in feet.

Table 1.--*Description of wells--Continued*

State well number	Owner or user	Ownership	Use of water	Use of well	Well data	Chemical analyses	Log data	Depth of well (feet below lsd)	Depth cased (feet below lsd)	Diameter (inches)	Well finish	Method drilled	Year drilled	Lift type	Power	Altitude of lsd (feet)	Water level (feet below lsd)	Date measured	Yield of well: Gallons per minute	Yield of well: Drawdown (feet)
11N/01E-06P01M	JOHNSON RANCH	P	I	W	5		D	574	186	12	F	H	1956	T	V	40				
11N/01E-06Q01M	KEMPTON CLARK	P	H	W	7	M	D	368	349	6	F	H	1958	S		38			95	
11N/01E-07R01M	ELMER ROBINSON	P	I	W	7		D	624	251	14	F	H	1969	T		43			2840	173
11N/01E-07F01M	F.S.TADLOCK	P	I	W	7	C	D	399	278	12	F	H	1970	T	D	45			1600	134
11N/01E-07G01M	F.S.TADLOCK	P	I	W	7	C	D	577	150	14	F	H	1958	T	D	45			2930	103
11N/01E-08F01M	D.TORRES BROS	P	I	W	7		D	590	400	16	F	H	1969	T	W	40			2320	153
11N/01E-08N01M	D.TORRES BROS	P	U	Z	7		D	590	244	14	F	H	1960	N		45			2350	120
11N/01E-16N01M	JOHN T.FOSTER	P	I	W	7	C	D	524	190	16	F	H	1973	T	W	50			2445	142
11N/01E-17K01M	ZAMORA FIRE DIS	M	F	W	5	C	D	300	150	10	F	H	1969	T	U	50				
11N/01E-18C01M	SIEFERMAN-LONG	P	I	W	7		D	421	158	14	F	H	1959	T	J	52			2400	115
11N/01E-20F01M	JAMES SLAVEN	P	I	W	5		D	480	232	14	F	H	1963	T	V	54				
11N/01W-01G01M	S.CARINIO	P	H	W	5	C	D	139	131	6	P	C	1960	S	T	45				
11N/01W-01K01M	M.STAMPHILL	P	H	W	5		D	76	68	6	P	C	1961	S		42				
11N/01W-02Q01M	ALONZO RILEY	P	H	W	7	C	D	318	122	8	F	H	1966	S	T	120			150	196
11N/01W-11B01M	ALBERT WAYNE	P	H	W	7		D	100	93	8	F	H	1971	S	S	80			40	56
11N/01W-12J01M	JOHN SILER	P	I	W	7		D	479	189	8	F	H	1972	T	V	50			1325	189
12N/01W-04E01M	G.B.SCHAAD	P	I	W	7	C	D	777	229	14	F	H	1972	T	V	115			2600	228
12N/01W-04Q01M	E.E.SCHAAD	P	I	W	7		D	780	200	14	F	H	1967	T	W	98			2600	190
12N/01W-05J01M	F.G.BADGER	P	I	W	7	C	D	659	196	8	F	H	1961	T	V	121			1516	210
12N/01W-05M01M	FRANK M.LOPEZ	P	I	W	7		D	783	280	12	F	H	1964	T	W	160			1400	277
12N/01W-06N01M	RALPH M.ARNOLD	P	I	W	7	C	D	622	324	12	F	H	1967	T	V	210			1530	203
12N/01W-07A01M	FRANK M.LOPEZ	P	I	W	7		D	767	305	10	F	H	1971	T	V	175			1550	236
12N/01W-08A01M	LELAND STARK	P	H	W	5	C	D	204	188	8	P	C	1972	S	T	117				
12N/01W-08J01M	JOHN KUYKENDALL	P	H	W	5		D	212	200	8	P	C	1973	S	T	111				
12N/01W-09F02M	DENNIS LATHUM	P	H	W	5	C	D	116	104	8	P	C	1972	S	S	96				
12N/01W-09H01M	DORIS MOORE	P	H	W	5		D	115	95	8	F	H	1958	S	T	90				
12N/01W-09L01M	J.S.BRASIER	P	H	W	5		D	116	100	8	P	C	1970	S	S	90				
12N/01W-14N01M	PRESTON D.ALLEN	P	U	Z	7		D	458	160	10	F	H	1955	N		43			2235	154
12N/01W-15M02M	M.V.DOHERTY	P	H	W	7	C	D	185	176	8	F	H	1968	T	U	65			300	108
12N/01W-16A01M	MICHAEL STARK	P	H	W	5		D	208	192	8	P	C	1973	S	T	73				
12N/01W-16D01M	H.A.NICHOLS	P	H	W	5		D	220	117	6	F	H	1971	S	S	92				
12N/01W-16F01M	J.REEVES	P	H	W	7	C	D	104	84	8	F	H	1969	S	S	85			40	95
12N/01W-16G01M	MOBIL OIL CO	N	H	W	7	C	D	252	180	8	F	H	1969	S	S	76			53	87
12N/01W-17J01M	R.W.POWERS	P	H	W	7	C	D	160	152	8	F	H	1956	T	T	98			46	120
12N/01W-21A01M	STANDARD OIL CO	N	H	W	5	M	D	238	164	8	F	H	1969	S	S	68				
12N/01W-21A02M	W.H.GREENE	N	H	W	5		D	370	155	10	F	H	1968	S		65				
12N/01W-21A03M	W.H.GREENE	N	H	W	7		D	168	157	8	F	H	1973	S		70			600	137
12N/01W-22A02M	JOHN A.COMBS	P	I	W	7		D	554	182	16	F	H	1964	T	D	48			2550	176
12N/01W-22K01M	DELBERT R.HUNT	P	H	W	7	C	D	176	151	8	F	H	1969	S	T	45			70	54
12N/01W-23P01M	LOUIS LEONARD	P	H	W	5	C	D	271	237	6	F	H	1957	T	T	40				
12N/01W-26A01M	LONG	P	I	W	5		D	537	153	12	F	H	1957	T	V	45				
12N/01W-26D01M	T.H.FARISH	P	U	Z	5		D	450	180	10	F	H	1958	N		50				
12N/01W-26L03M	DORIS MOORE	P	I	W	7		D	995	155	10	F	H	1955	T	V	50			2800	90
12N/01W-28R01M	G.B.SCHAAD	P	H	W	7	C	D	160	136	6	F	H	1972	S	S	130			15	135
12N/01W-36Q01M	SCHLOSSER RANCH	P	I	W	7		D	497	144	10	F	H	1953	T	V	40			2275	104
12N/02W-01G01M	MINNIE SCOFIELD	P	H	W	5	C	D	164	152	8	P	C	1961	S		220				
12N/02W-02D01M	A.RAMOS	P	U	U	5		D	360	196	6	P	C	1958	S		300				
12N/02W-02G01M	A.RAMOS	P	I	W	7	C	D	672	400	14	F	H	1966	T	W	280			1720	252
12N/02W-03A02M	A.H.ABELE	P	H	W	7	C	D	400	278	8	F	H	1959	S	T	320			485	235
12N/02W-03D01M	A.H.ABELE	P	I	W	7	C	D	731	244	10	F	H	1959	T	V	350			1320	268
12N/02W-10H01M	I.A.MCGREW	P	H	W	5	C	D	462	255	8	F	H	1961	S	T	325				
12N/02W-13C01M	CHARLES DUNGAN	P	I	W	5		D	354	226	10	F	H	1956	T	V	250				
13N/01W-06G01M	FRED BIERSTEDT	P	I	W	5		D	396	165	10	F	H	1960	T	V	70				
13N/01W-06Q01M	H.L.PETERSON	P	H	W	5	C	D	255	255	8	O	C	1964	T	T	80				
13N/01W-06R01M	H.L.PETERSON	P	H	W	5	C	D	188	70	8	F	C	1955	S	T	70				
13N/01W-07E01M	ROBERT PERKINS	P	H	W	7		D	168	120	8	F	H	1963	S	T	105			150	130
13N/01W-08B01M	LEROY TRAYNHAM	P	I	W	5	M	D	284	90	10	F	H	1955	T	V	52				
13N/01W-08N01M	LEROY TRAYNHAM	P	I	W	7		D	172	143	14	F	H	1970	T	V	68			1367	135
13N/01W-08Q03M	GARY O.PETERSON	P	I	W	7		D	200	152	14	F	H	1958	T	V	55			2560	122
13N/01W-15P01M	J.S.COOPER	P	H	W	5	C	D	100	80	8	F	H	1959	T	U	38				

Table 1.--*Description of wells--Continued*

State well number	Owner or user	Ownership	Use of water	Use of well	Well data	Chemical analyses	Log data	Depth of well (feet below lsd)	Depth cased (feet below lsd)	Diameter (inches)	Well finish	Method drilled	Year drilled	Lift type	Power	Altitude of lsd (feet)	Water level (feet below lsd)	Date measured	Yield of well: Gallons per minute	Yield of well: Drawdown (feet)
13N/01W-16N03M	THOMAS B.MARKS	P	H	W	5	C	D	200	180	8	F	H	1966	S	T	55				
13N/01W-17F01M	GARY O.PETERSON	P	H	W	7	C	D	172	156	8	F	H	1961	S	T	65			150	63
13N/01W-17L01M	GARY O.PETERSON	P	I	W	7		D	244	140	14	F	H	1961	T	V	75			2422	119
13N/01W-19F01M	ALMOND GROWERS	N	N	W	7	C	D	162	118	6	F	H	1970	S	S	142			10	135
13N/01W-20J01M	LOUIS KAELIN	P	H	W	7	C	D	288	99	12	F	H	1964	S	S	75			835	125
13N/01W-21F01M	PAUL MENGALI	P	I	W	7		D	612	164	14	F	H	1966	T	V	57			2970	92
13N/01W-21Q01M	W.PETERSON	P	I	W	7	C	D	614	193	16	F	H	1970	T	W	68			2800	145
13N/01W-22E01M	EUGENE CAIN	P	H	W	7		D	218	200	8			1957	T	T	55			590	59
13N/01W-22M01M	W.E.STETSON	P	H	W	7	C	D	208	193	8	F	H	1956	T	T	60			180	70
13N/01W-27A01M	J.MARTIN	P	H	W	7	C	D	84	78	8	F	H	1955	S	S	57			150	79
13N/01W-27N01M	W.BRADFORD	P	I	W	5	C	D	644	200	14	F	H	1959	T	V	80				
13N/01W-28E03M	W.PETERSON	P	I	W	7	C	D	624	280	14	F	H	1966	T	V	90			1860	156
13N/01W-28J01M	J.C.FONNESBECK	P	I	W	7		D	554	150	12	F	H	1958	T	V	80			2275	116
13N/01W-29P01M	LOUIS KAELIN	P	I	W	7	C	D	839	230	14	F	H	1967	T	V	125			2205	149
13N/01W-30E01M	ROMINGER BROS	P	I	W	7	C	D	648	330	14	F	H	1966	T	W	162			1800	296
13N/01W-30F01M	H.A.ROMINGER	P	H	W	5	M	D	252	212	8	F	C	1960	T	T	150				
13N/01W-31Q01M	ROY ROMINGER	P	H	W	5	C	D	369	237	8	F	H	1954	T	U	180				
13N/01W-32F02M	LEE TRAYNHAM	P	I	W	7		D	610	213	12	F	H	1957	T	V	142			1800	180
13N/01W-32G01M	LEE TRAYNHAM	P	I	W	5	C	D	580	187	12	F	H	1957	T	V	130				
13N/01W-32H01M	LEE TRAYNHAM	P	H	W	7	C	D	154	139	8	F	H	1959	S	T	115			146	106
13N/01W-33J01M	B.W.WHITMIRE	P	H	W	5	C	D	90	82	6	F	C	1954	S	S	100				
13N/01W-33N01M	ERNEST COCHRAN	P	I	W	5	C	D	400	140	14	F	H	1960	T	V	105				
13N/01W-33Q01M	ERNEST COCHRAN	P	I	W	7		D	412	160	14	F	H	1960	T	V	105			2535	106
13N/01W-35L01M	V.MCCULLOUGH	P	I	W	5		D	560	176	14	F	H	1967	T	V	63				
13N/01W-35L02M	V.MCCULLOUGH	P	H	W	5	C	D	237	197	8	F	H	1959	S	S	65				
13N/01W-35L03M	V.MCCULLOUGH	P	I	W	5	C	D	583	193	14	F	H	1957	T	V	65				
13N/01W-36Q02M	M.V.DOHERTY	P	H	W	5	M	D	364	348	8	F	C	1953	S	T	35				
13N/02W-01J01M	FANTRESS	P	I	W	5	C	D	864	298	10		H	1960	T	C	99				
13N/02W-02C01M	ARBUCKLE P.U.D.	W	P	W	5	C	D	570	240	14	F	H	1963	T	V	140				
13N/02W-02G01M	FANTRESS	P	I	W	5		D	822	402	12	F	H	1961	T	C	140				
13N/02W-03E01M	GREGORY M.RAMOS	P	H	W	5	C	D	248	126	8	F	H	1964	S	T	177				
13N/02W-04C01M	JOHN MARTINEZ	P	I	W	5	C	D	565	262	10	F	H	1957	S	T	185				
13N/02W-04J02M	FLOYD MARSH	P	H	W	7	C	D	356	234	8	F	H	1962	S	T	190			142	180
13N/02W-04P02M	J.W.MURPHY	P	I	W	7		D	702	318	12	F	H	1964	T	V	220			1150	226
13N/02W-05A01M	B.T.MATHEWS	P	I	W	7		D	274	142	10	F	H	1957	T	V	215			435	195
13N/02W-05C01M	D.D.MATHEWS	P	H	W	7		D	362	173	6	F	H	1959	S	T	235			75	170
13N/02W-05F01M	D.D.MATHEWS	P	I	W	7		D	860	318	8	F	H	1958	T	V	240			1940	225
13N/02W-06E01M	B.T.MATHEWS	P	I	W	7		D	791	348	12	F	H	1960	T	V	320			1520	324
13N/02W-06H01M	SUN VALLEY FARM	N	S	W	7		D	360	336	8	F	H	1966	S	T	270			200	280
13N/02W-06N01M	B.T.MATHEWS	P	I	W	5		D	816	390	14	F	H	1964	T	W	330				
13N/02W-09A01M	J.E.PETZ	P	H	W	7		D	240	166	8	F	H	1964	T	T	200			200	166
13N/02W-09D01M	FLOYD MARSH	P	I	W	7		D	791	346	10	F	H	1960	T	V	235			1410	203
13N/02W-10C01M	I.A.GRIFFIN	P	U	U	5		D	700	380	10	F	H	1958	T	V	200				
13N/02W-10D01M	O.WAGNER	P	H	W	2	C	D	450	140	6	F	C	1958	S	T	200	100	3-58		
13N/02W-10K01M	D.W.BUCKINGHAM	P	I	W	5	C	D	516	466	8	F	H	1961	S	T	210				
13N/02W-10L01M	A.CARRION	P	H	W	1	C	D	219	182	8	F	H	1956	S	T	210	112	10-56	85	142
13N/02W-11E02M	GULF OIL CO	N	H	W	1	C	D	256	154	8	F	H	1954	S	T	187	98	10-54	500	153
13N/02W-12J01M	LEROY TRAYNHAM	P	U	U	1		D	192	140	12	F	H	1959	T		110	73	4-59	1800	90
13N/02W-13C01M	ALMOND CENTER	P	H	W	2	C	D	224	204	8	F	H	1965	S	T	135	140	9-65	100	
13N/02W-13P01M	IRWIN SWEET	P	I	W	1		D	456	236	10	F	H	1956	T	U	160	140	3-56	600	191
13N/02W-14M01M	V.C.KAUFFMAN	P	U	U	5		D	650	197	10	F	H	1961	S		220				
13N/02W-15J01M	G.J.THOMPSON	P	H	W	7	M	D	362	270	8	F	H	1963	S	T	210			550	200
13N/02W-16A01M	A.OLIVETTI	P	U	U	7	M	D	714	180	10	F	H	1955	N		247			800	182
13N/02W-17N01M	ARBUCKLE ORCHAR	N	I	W	7		D	679	295	12	F	H	1962	T	V	370			950	357
13N/02W-17Q01M	WADE WIGHTMAN	P	H	W	5	M	D	749	150	10	F	C	1957	S	T	330				
13N/02W-22H02M	H.D.CHARTER	P	U	U	7	M	D	793	265	10	F	H	1956	N		255			1060	297
13N/02W-22H03M	H.D.CHARTER	P	H	W		C							1960	S	T	255				
13N/02W-22K01M	DONALD L.VAWTER	P	U	Z	5		D	613	220	10	F		1957	N		280				
13N/02W-23G01M	M.SWEET	P	H	W	1		D	328	304	8	F	H	1963	S	T	200	112	8-63	300	
13N/02W-23L01M	G.BUBIGKETT	P	H	W	7		D	232	199	8	F	H	1970			230			40	160

Table 1.--*Description of wells--Continued*

State well number	Owner or user	Ownership	Use of water	Use of well	Well data	Chemical analyses	Log data	Depth of well (feet below lsd)	Depth cased (feet below lsd)	Diameter (inches)	Well finish	Method drilled	Year drilled	Lift type	Power	Altitude of lsd (feet)	Water level (feet below lsd)	Date measured	Yield of well: Gallons per minute	Yield of well: Drawdown (feet)
13N/02W-23R01M	DONALD L.VAWTER	P	H	W	5	C	D	617	597	8	F	H	1963	S	T	205				
13N/02W-24A01M	TYRONE F.RIGGS	P	U	Z	7	C	D	365	230	8	F	C	1956	N		145			450	26
13N/02W-24A02M	TYRONE F.RIGGS	P	H	W	7	C	D	232	219	8	F	H	1969	S	T	145			75	142
13N/02W-24F01M	R.HENDERSON	P	I	W	5		D	365	205	8	F	H	1961	S	T	180				
13N/02W-25A02M	K.M.ROMINGER	P	H	W	7		D	239	197	8	F	H	1965	S	S	155			310	150
13N/02W-26A01M	W.J.MOORE	P	H	W	5	C	D	462	153	12	F	H	1957	T	V	220				
13N/02W-26G01M	RALPH B.BROWN	P	H	W	7	M	D	180	145	8	P	H	1955	T	U	220			400	145
13N/02W-26M01M	SUN VALLEY FARM	N	S	W	7		D	409	199	8	F	H	1966	T	U	275			150	45
13N/02W-26Q01M	JOYCE MCMILLAN	P	H	W	7		D	336	168	8	P	H	1954	T	U	230			90	36
13N/02W-27R01M	KLING DAHLSTROM	P	H	W	7	C	D	338	244	8	P		1958	S	T	295			250	50
13N/02W-28A01M	SUN VALLEY FARM	N	S	W	7	C	D	436	406	8	F	H	1966			320			100	65
13N/02W-36P01M	N.COLLIGNON	P	H	W	7	C	D	336	291	8	F	H	1957	S	T	233			155	179
14N/02W-03G01M	WIGGIN & SONS	P	I	W	7	C	D	417	216	16	F	H	1965	T	V	66			200	247
14N/02W-04D01M	FLOYD MARSH	P	I	W	5	C	D	364	124	16	F	H	1964	S	S	85				
14N/02W-05R01M	FLOYD MARSH	P	S	W	7	C	D	116	108	6	F	H	1966	S	S	85			40	30
14N/02W-05R02M	FLOYD MARSH	P	I	W	7	C	D	356	226	16	F		1957	T	V	85			3250	85
14N/02W-06F01M	W.G.MYERS	P	I	W	5	C	D	475	120	14	F	H	1956	T	V	104				
14N/02W-07C01M	V.HURSH	P	I	W	7	C	D	931	188	16	F	H	1967	T	V	105			2840	122
14N/02W-07E02M	STRAIN RANCH	P	U	U	5		D	136	124	8	P	C	1956	N		112				
14N/02W-07G01M	STRAIN RANCH	P	I	W	7		D	448	136	16	F	H	1960	T	V	105			3300	99
14N/02W-09C01M	LEROY F.SCHAAD	P	I	W	5		D	354	285	16	F	H	1968	T	V	78				
14N/02W-09F01M	EUGENE G.CAIN	P	I	W	5	C	D	463	196	14	F	H	1959	T	V	80				
14N/02W-09L01M	H.L.PETERSON	N	U	U	7		D	352	96	12	F	H	1952	N		87			1500	89
14N/02W-15F01M	A.KALFSBEEK JR	P	I	W	7	C	D	328	156	16	F	H	1960	T	V	90			2820	111
14N/02W-15M02M	A.KALFSBEEK JR	P	H	W	7	C	D	320	296	8	F	H	1962	T	U	90			650	82
14N/02W-15N01M	A.KALFSBEEK JR	P	I	W	7		D	479	151	14	F	H	1958	T	V	95			2800	100
14N/02W-16N03M	STRAIN RANCH	P	I	W	7		D	306	176	12	F	H	1959	T	U	120			1130	120
14N/02W-16N04M	STRAIN RANCH	P	U	Z	7		D	81	73	8	F	H	1955	N		115			200	34
14N/02W-16R01M	A.KALFSBEEK JR	P	I	W	7		D	332	196	16	F	H	1965	T	V	100			2665	93
14N/02W-17B01M	STRAIN RANCH	P	I	W	5		D	450	140	16	F	H	1959	T	V	107				
14N/02W-18C01M	STRAIN RANCH	P	I	W	5		D	675	303	16	F	H	1967	T	V	130				
14N/02W-18N02M	ROGER WILBUR	P	H	W		C	D							S	S	167				
14N/02W-18N03M	ROGER WILBUR	P	I	W	5	C	D	486	164	14	F	H	1959	T	V	167				
14N/02W-18Q01M	RAYMOND CHARTER	P	I	W	7	C	D	488	168	14	F	H	1962	T	V	153			1600	155
14N/02W-20H01M	STRAIN RANCH	P	I	W	5		D	505	215	14	F	H	1960	T	W	148				
14N/02W-22A01M	JOHN HAHN ESTAT	P	S	W	5		D	120	100	8	P	C	1965	P	6	85				
14N/02W-22M01M	A.KALFSBEEK JR	P	I	W	7	C	D	468	238	16	F	H	1968	T	V	105			2790	120
14N/02W-24E01M	OTTO A.KLEY	P	I	W	7	C	D	397	144	26	F	H	1956	T	V	70			3300	37
14N/02W-29J01M	H.L.CHARTER	P	U	U	7	M	D	412	119	12	F	H	1956	T	V	157			1125	220
14N/02W-31N02M	BENTLY MATHEWS	P	I	W	5		D	750	356	12	F	H	1962	T	V	280				
14N/02W-31R01M	JOHN BEDART	P	H	W	5	C	D	360	304	8	F	H	1964	S	U	255				
14N/02W-34J01M	ARBUCKLE P.U.D.	W	P	W	7		D	463	222	14	G	H	1970	T		137			1170	160
14N/02W-34P01M	E.KALFSBEEK	P	H	W	5	C	D	403	230	8	F	H	1962	S		152				
14N/02W-35P01M	W.D.STRUCKMEYER	P	I	W	5	M	D	620	161		F	H	1957	T	V	128				
14N/03W-01K01M	V.HURSH	P	I	W	7		D	389	204	14	F	H	1967	T	V	122			1645	193
14N/03W-01L01M	F.W.PRICE	P	H	W	7	C	D	96	60	8	P	H	1966	S	T	122			70	52
14N/03W-02C01M	H.E.WYATT	P	H	W	7	C	D	146	113	8	F	H	1969	S	T	150			100	67
14N/03W-02L01M	F.W.PRICE	P	I	W	5	C	D	575	180	16	F	H	1968	T	W	146				
14N/03W-11A01M	J.P.BRENNAN	P	I	W	7	C	D	440	208	14	F	H	1963	T	W	135			1750	185
14N/03W-12K01M	STRAIN RANCH	P	I	W	7		D	494	160	16	F	H	1959	T	V	125			3020	94
14N/03W-12N01M	E.ARAMBEL	P	I	W	7	M	D	407	139	16	F	H	1968	T	V	135			2940	137
14N/03W-13A01M	STRAIN RANCH	P	I	W	5		D	510	184	16	F	H	1963	T	V	133				
14N/03W-14Q02M	J.A.KELLEY	P	I	W	7	M	D	591	140	14	F	H	1963	T	V	170			1710	190
14N/03W-23K01M	DUNLAP	P	I	W		C	D							T	V	212				
15N/03W-01R01M	C.SPOONER	P	H	W	5	M	D	316	292	8	P	C	1962	C	T	66				
15N/03W-13Q01M	COLUSA COUNTY	C	P	W	7	C	D	380	367	8	F	H	1968	T	T	83			540	89
15N/03W-14A01M	WILLIAMS - CITY	M	P	W	7	C	D	320	264	20	F	C	1949			80			1060	
15N/03W-14P01M	WILLIAMS - CITY	M	P	W	7	C	D	413	330	14	F	H	1969	T		95			1480	142
15N/03W-18A01M	FRANK H.MYERS	P	H	W	7	C	D	152	141	8	F	H	1968	S	S	123			100	20
15N/03W-18J02M	RUSSELL OHLSON	P	H	W	7	C	D	110	65	8	F	H	1970	S	T	120			100	19

Table 1.--*Description of wells--Continued*

State well number	Owner or user	Ownership	Use of water	Use of well	Well data	Chemical analyses	Log data	Depth of well (feet below lsd)	Depth cased (feet below lsd)	Diameter (inches)	Well finish	Method drilled	Year drilled	Lift type	Power	Altitude of lsd (feet)	Water level (feet below lsd)	Date measured	Yield of well: Gallons per minute	Yield of well: Drawdown (feet)
15N/03W-20E01M	RUSSELL OHLSON	P	H	W	7	C	D	112	71	8	F	H	1966	S	T	127			100	19
15N/03W-23H01M	W.S.SOMMERVILLE	P	H	W	7	C	D	54	37	8		H	1970	S	T	100			96	14
15N/03W-24G01M	FLOYD WESTCOAT	P	H	W	7	C	D	48	41	6	P	H	1966	T	T	92			100	9
15N/03W-25N01M	L.S.REYNOLDS	P	H	W	7	C	D	158	142	8	F	H	1960	T	T	107			231	21
15N/03W-26L01M	C.STONE	P	H	W	5	M	D	151	124	8	P	C	1967	S	T	127				
15N/03W-32H01M	GARNETT VANN	P	I	W	5	C	D	92	40	12	F	H	1967	T	V	158				
15N/03W-33B01M	ERROL G.WHITNEY	P	H	W	5	C	D	116	92	8	P	C	1957	T		128				
15N/03W-35A01M	M.M.ZANIRONI	P	S	W	5	C	D	156	132	8	P	C	1957	T	T	112				
15N/03W-35G01M	M.M.ZANIRONI	P	U	U	7		D	564	177	16	F	H	1956	N		122			2400	149
15N/03W-35H01M	M.M.ZANIRONI	P	H	W	5	C	D	104	102	8	P	C	1959	C	S	120				
15N/04W-11A01M	MYERS BROTHERS	P	I	W	7	C	D	144	96	12	F	H	1968	T	V	130			320	112
15N/04W-11G01M	MYERS BROTHERS	P	I	W	7	C	D	90	38	12	F	H	1968	T	V	138			355	65
15N/04W-14J03M	R. & M.LEGRANDE	P	I	W	5	C	D	120	30	16	F	H	1968	T	V	150				
15N/04W-23L01M	C.B.KING	P	H	W	7	C	D	52	40	8	F	H	1966	S	T	180			100	32
17N/03W-32M01M	GEORGE COSTA	P	H	W	5	M	D	161	156	6	P	C	1963	J	S	112				
18N/03W-17H01M	E.W.WILLIAMSON	P	H	W	5	C	D	104	96	8	P	C	1966	S	T	107				
19N/03W-04C01M	WALTER W.SOFTH	P	H	W	5	C	D	120	76	8	P	C	1964	J	S	138				
19N/03W-04J01M	CAL. WATER SER.	N	P	W	5	C	D	654	173	16	P	C	1955	T	V	135				
19N/03W-04L01M	CAL. WATER SER.	N	P	W	1	C	D	759	173	16	P	C	1964	S		140	33	5-64	800	99
19N/03W-05R01M	SHELL OIL CO	N	N	W	5	C	D	155	135	6	F	H	1967	S	T	135				
19N/03W-07R01M	JAMES ROYD	P	I	W	1		D	360	183	14	F	H	1969	T	W	145	48	6-69	2310	136
19N/03W-08R01M	WILLOWS AIRPORT	M	H	W	5	C	D	81	20	6	P	C	1951	S	S	135				
19N/03W-09R01M	CAL. WATER SER.	N	P	W	7	C	D	692	212	16	P	H	1967	T	V	125			1190	94
19N/03W-26P01M	C.L.SECIL	P	H	W	5		D	350	350	6	O	C	1959	C	T	98				
19N/04W-01A01M	GRANT BOYD	P	H	W		C	D						1955	S	T	165				
19N/04W-01D02M	J.M.CORP	P	U	U	5		D	163	110	12	P	H	1959	N		170				
20N/03W-04H01M	LUTHERAN CHURCH	N	H	W	5	C	D	128	121	8	P	C	1955	S	S	163				
20N/03W-04H02M	LUTHERAN HALL	N	H	W	2		D	276	150	8	P	C	1963	S	T	163	58	9-63		
20N/03W-05P01M	CASSEY BAY	P	H	W	5	C	D	156	145	8	P	C	1962	S	S	167				
20N/03W-07C01M	ARTHUR PIEPER	P	I	W	1		D	253	100	14	F	H	1963	T	V	178	40	8-63	1700	65
20N/03W-07K04M	ARTHUR PIEPER	P	H	W	5	C	D	132	117	8	P	C	1965	S	S	165				
20N/03W-13A01M	HEIDRICK FARMS	N	I	W	5	C	D	216	86	14	F	H	1962	T	U	145				
20N/03W-13C01M	HEIDRICK FARMS	N	I	W	5	C	D	220	70	14	P	H	1962	T	V	151				
20N/03W-16A02M	GROVE MOTEL	P	H	W	5	C	D	170	140	6	F	H	1969	S	S	152				
20N/03W-17P01M	CO.GOLF CLUB	C	H	W	5	C	D	248	243	6	P	C	1967	S	S	153				
20N/03W-19N01M	PATRICK FEENEY	P	I	W	5	C	D	380	108	14	F	H	1959	T	V	159				
20N/03W-19Q01M	PATRICK FEENEY	P	I	W	5		D	434	105	14	F	H	1959	T	V	153				
20N/03W-20A01M	FELIX WUSTIG	P	H	W	5	C	D	124	85	8	P	C	1967	S		148				
20N/03W-20R01M	FELIX WUSTIG	P	I	W	5	C	D	603	169	12	F	H	1959	T	V	150				
20N/03W-21D01M	CAL.DIV.HIGHWAY	S	I	W	1		D	183	83	10	P	C	1968			148	38	2-68	300	60
20N/03W-21D02M	MANUEL ENOS	P	I	W	1	C	D	360	65	14	P	C	1965	T	V	148	35	4-65	600	120
20N/03W-21F01M	MANUEL ENOS	P	S	W	5	C	D	172	70	8	P	C	1965	S	S	145				
20N/03W-21F02M	MANUEL ENOS	P	U	Z	1		D	212	40	14	P	C	1958	N		145	24	2-58	1400	70
20N/03W-25M01M	W.PINKSTON	P	H	W	5		D	140	133	8	P	C	1970	S	S	135				
20N/03W-25N01M	F.KILLEBREW	P	H	W	5	C	D	108	101	8	P	C	1968	S	S	133				
20N/03W-25P02M	F.KILLEBREW	P	H	W	5	C	D	92	80	8	P	C	1957	C	S	135				
20N/04W-11H01M	M.ITURRERIA	P	H	W	7	C	D	188	168	6	P	C	1966	S	T	200			12	120
20N/04W-23L03M	MANUEL GARCIA	P	S	W	5		D	143	47	16	F	H	1962	S	S	190				
21N/02W-04A01M	WILLOW-GLENN OR	N	I	W	5		D	172	63	14	P	C	1967	S	V	180				
21N/02W-04C01M	WILLOW-GLENN OR	N	H	W	7		D	248	0	16	F	C	1958	T	V	180			2500	56
21N/02W-05C01M	WALTER JASPER	P	I	W	7		D	180	60	14	P	C	1965	T	V	189			300	100
21N/02W-06A01M	WALTER JASPER	P	I	W	7	C	D	152	60		P	C	1965	T	V	195			600	55
21N/02W-06H01M	WALTER JASPER	P	H	W	7	C	D	208	35	14	P	C	1955	S	T	191			1500	24
21N/02W-07K01M	CHARLES SANFORD	P	I	W	5	C	D	265	90	16	P	H	1963	T	V	190				
21N/02W-07R01M	F.J.VOYLES	P	H	W	5		D	80	50	8	P	C	1962	J	S	185				
21N/02W-08E02M	PLAZA FARMS	N	H	W	5	C	D	144	128	8	P	C	1960	S	T	185				
21N/02W-18A02M	C.PELTIER	P	H	W	5	C	D	104	64	8	P	C	1965	S	S	182				
21N/02W-18A03M	C.PELTIER	P	I	W	5		D	228	90	16	F	H	1963	T	V	182				
21N/02W-18R01M	C.PELTIER	P	I	W	5		D	266	90	12	F	H	1963	T	V	185				
21N/02W-18D01M	ROBERT BAILEY	P	I	W	7	C	D	160	87	14	P	C	1960	T	V	185			1000	42

Table 1.--*Description of wells--Continued*

State well number	Owner or user	Ownership	Use of water	Use of well	Well data	Chemical analyses	Log data	Depth of well (feet below lsd)	Depth cased (feet below lsd)	Diameter (inches)	Well finish	Method drilled	Year drilled	Lift type	Power	Altitude of lsd (feet)	Water level (feet below lsd)	Date measured	Yield of well: Gallons per minute	Yield of well: Drawdown (feet)
21N/02W-18F01M	J.VERESCHAGIN	N	H	W	5	C	D	108	50	8	P	C	1968	S	S	183				
21N/02W-18J01M	C.PELTIER	P	I	W	5		D	260	65	12	F	H	1963	T	V	176				
21N/02W-24D01M	WILLIAM LOHSE	P	I	W	5	C	D	210	95	18	P	H	1964	T	V	143				
21N/02W-30G01M	C.G.MEHRING	P	H	W	5	C	D	176	50	8	P	C	1966	J	S	161				
21N/02W-30Q01M	C.G.MEHRING	P	H	W	5		D	100	65	12	P	C	1954	T	T	160				
21N/03W-01C02M	W.VERESCHAGIN	P	H	W	2	C	D	136	124	8	P	C	1964	S	S	215	40	11-64		
21N/03W-01G01M	W.A.FARISS	P	H	W	5	C	D	104	98	8	P	C	1955	S	S	208				
21N/03W-01R01M	W.A.FARISS	P	I	W	7	C	D	176	26	14	P	C	1955			200			960	42
21N/03W-02Q02M	FIDEL PEREZ	P	I	W	1	C	D	164	52	12	P	C	1962			205	65	7-62	500	65
21N/03W-02Q03M	FIDEL PEREZ	P	U	U	1		D	92	41	12	P	C	1961	N		205	23	12-61	100	88
21N/03W-03D01M	DONALD STERLING	P	H	W	2	C	D	60	50	8	P	C	1969	J	S	228	13	4-69		
21N/03W-03D02M	DONALD STERLING	P	I	W	1		D	112	45	12	P	C	1969	T	U	228	13	4-69	1050	70
21N/03W-04A01M	LOUIS MATTEUCCI	P	H	W	2	C	D	80	68	8	P	C	1957	J	S	240	24	1-57		
21N/03W-04B01M	JACK BRUSH	P	I	W	5	C	D	315	70	12	P	C	1955	T	U	240				
21N/03W-04F01M	ROBERT ROLFS	P	H	W	2		D	80	70	8	P	C	1967	S	S	237	22	11-67		
21N/03W-09P01M	STUCKEYS	N	H	W	5	C	D	120	65	8	P	C	1966	S	S	220				
21N/03W-10N01M	ALVIN REHSE	P	H	W	5	C	D	144	133	8	P	C	1967	S	T	220				
21N/03W-11G02M	A.E.YOUNG	P	I	W	5		D	198	72	12	P	C	1956	T	U	200				
21N/03W-11R01M	P.PAULSEN	P	I	W	1		D	124	72	14	P	C	1966	T	V	200	43	1-66	700	45
21N/03W-12P01M	J.CANADAS	P	I	W	1		D	176	58	14	P	C	1959	T	V	192	38	8-59	1040	44
21N/03W-13J01M	HARRY S.TAYLOR	P	H	W	5		D	68	50	8	P	C	1957	J	S	185				
21N/03W-13K01M	HARRY S.TAYLOR	P	H	W	5	C	D	68	62	8	P	C	1956	J	S	185				
21N/03W-13Q01M	HARRY S.TAYLOR	P	I	W	5		D	428	130	12	F	H	1961			183				
21N/03W-16R01M	CAL.DIV.HIGHWAY	S	I	W	1	C	D	166	72	10	P	C	1968			220	32	3-68	330	45
21N/03W-18D01M	MURPHY	P	I	W	5		D	390	190	14	P	C	1964	T	V	233				
21N/03W-20C01M	EARL SLATTER	P	I	W	5		D	362	175	10	P	C	1962	T	V	200				
21N/03W-21E01M	FRANK RIEMAN	P	H	W	5		D	132	87	[illegible]	P	C	1959	C	T	190				
21N/03W-22G01M	RIEMER BROS	N	I	W	5	C	D	355	92	14	P	C	1961	T	V	200				
21N/03W-24Q02M	E.KIMBALL	P	I	W	5	C	D	457	87	14	P	C	1961	T	V	177				
21N/03W-29K01M	HOWARD BOWLES	P	I	W	5		D	942	132	14	F	C	1957	T	V	185				
21N/03W-29L01M	HOWARD BOWLES	P	I	W	5	C	D	432	132	14	F	C	1957	T	V	192				
21N/03W-35A01M	ARTOIS CEMETERY	M	I	W	5	C	D	80	69	8	P	C	1961	P	L	180				
21N/04W-24A01M	A.QUISTORFF	P	H	W	5	C	D	116	96	8	P	C	1966	S	S	230				
22N/02W-02B02M	DEL GERLACH	P	H	W	2		D	80	56	8	P	C	1961	S	T	170	35	11-61		
22N/02W-02D01M	MENNONITE CHURC	N	H	W	5	C	D	160	68	8	P	C	1966	S	T	180				
22N/02W-03D01M	S.K.BERGE	P	H	W	2	C	D	100	70	8	P	C	1970	S	S	186	35	6-70		
22N/02W-03F02M	GERALD HALL	P	I	W	1	C	D	212	70	14	P	C	1965	T	U	185	57	5-65	1550	110
22N/02W-03K01M	S.L.CORRON	P	I	W	5		D	206	60	12	P	C	1965	T	T	183				
22N/02W-03R01M	LEE SCHNEIDER	P	H	W	2	C	D	88	70	8	P	C	1968	C	S	185	25	1-68		
22N/02W-04L01M	ROY CANADAS	P	I	W	7		D	200	68	12	P	C	1968	T	U	197			1100	120
22N/02W-05P01M	CLYDE GRAY	P	I	W	1		D	220	72	12	P	C	1966	T	U	200	45	10-66	2000	38
22N/02W-07J01M	VERNON ERICKSON	P	H	W	5	C	D	68	43	8	P	C	1964	J	T	210				
22N/02W-08F01M	DAN MILLER	P	I	W	7		D	216	60	14	P	C	1962	T	U	202			1800	58
22N/02W-08R01M	L.F.HUTCHINS	P	I	W	5		D	107	47	12	F	H	1960	T	U	203				
22N/02W-09E01M	WILLIAM MITCHEL	P	I	W	5		D	268	186	10	P	C	1970	T	U	197				
22N/02W-10F03M	LESTER MORGAN	P	I	W	7		D	204	135	12	P	C	1966			185			1000	51
22N/02W-10M01M	L.SULLIVAN	P	S	W	5		D	68	62	8	P	C	1967	C	S	182				
22N/02W-10N01M	L.SULLIVAN	P	I	W	5		D	222	65	14	F	H	1959	T	V	187				
22N/02W-11A01M	HOWARD REED	P	S	W	2	C	D	56	48	8	P	C	1964	J	S	155	25	10-65		
22N/02W-15C01M	WILLIAM GILMORE	P	I	W	5	C	D	246	50	14	P	C	1968	T	V	185				
22N/02W-16N01M	WALTER WELCH	P	I	W	7		D	205	55	14	F	C	1968	T	V	200			2000	66
22N/02W-17F01M	JOHN SILVIERA	P	U	U	5		D	108	100	8	P	C	1969	N		210				
22N/02W-17K01M	JOHN SILVIERA	P	H	W	5	C	D	64	44	8	P	C		S	S	205				
22N/02W-18L01M	P.SILVIERA	P	H	W	5	C	D	84	70	8	P	C	1969	J	S	220				
22N/02W-19G01M	CHARLES JASPER	P	H	W	5		D	56	37	8	P	C	1964	J	S	215				
22N/02W-19L01M	W.A.GRANGER	P	H	W	5	C	D	60	47	8	P	C	1970	S	T	214				
22N/02W-20H01M	G.G.WILLIAMSON	P	N	W	5	C	D	120	25	12	P	C	1964	J	S	200				
22N/02W-20M01M	EVELYN A.BATES	P	H	W	5		D	60	50	8	P	C	1970	S	S	208				
22N/02W-29E01M	CRAIG HAMILTON	P	I	W	7	C	D	312	83	16	P	C	1968	T	V	203			2380	104
22N/02W-29J01M	A.H.ROSE	P	H	W	5	C	D	60	40	8	P	C	1964	T	S	192				

Table 1.--*Description of wells--Continued*

State well number	Owner or user	Ownership	Use of water	Use of well	Well data	Chemical analyses	Log data	Depth of well (feet below lsd)	Depth cased (feet below lsd)	Diameter (inches)	Well finish	Method drilled	Year drilled	Lift type	Power	Altitude of lsd (feet)	Water level (feet below lsd)	Date measured	Yield of well: Gallons per minute	Yield of well: Drawdown (feet)
22N/02W-31P01M	J.D.HOUGHLAND	P	H	W	5	C	D	60	50	8	P	C	1969	J	S	199				
22N/02W-32C01M	W.HIESTAND	P	I	W	5	C	D	112	25	14	P	C	1965	S	U	195				
22N/02W-32H04M	R.BARLETTA	P	H	W	5	C	D	116	105	8	P	C	1968	J	S	187				
22N/03W-01C01M	GLEN MCMAHAN	P	H	W	5	C	D	120	95	8	P	C	1967	S	S	232				
22N/03W-01C02M	D.T.SANDERS	P	U	Z	5		D	200	99	12	P	C	1964	N		227				
22N/03W-03P01M	R.F.HEATHERSHAW	P	H	W	5	C	D	84	70	8	P	C	1966	S	S	262				
22N/03W-06P01M	IRENE GRIFFITH	P	H	W	5	C	D	40	18	8	P	C	1970	C	S	305				
22N/03W-07F01M	A.FOSTER	P	H	W	5	C	D	48	15	8	P	C	1965	S	T	298				
22N/03W-12J01M	JACK WATT	P	H	W	5	C	D	68	22	8	P	C	1956	J	T	217				
22N/03W-14Q01M	ARTEM SCHULKE	P	H	W	5	C	D	92	80	8	P	C	1965	S	S	247				
22N/03W-16M01M	JOHN D.FRUITS	P	H	W	5	C	D	80	70	8	P	C	1970	J	S	268				
22N/03W-17A01M	JOSEPH ASKEY	P	U	U	5		D	60	44	8	P	C	1970	N		275				
22N/03W-18K01M	BART HARWELL	P	H	W	5	C	D	80	68	8	P	C	1965	S	T	290				
22N/03W-20M01M	JAMES AGUIAR	P	H	W	5	C	D	175	78	8	P	C	1970	S	S	285				
22N/03W-21C01M	BLACK BUTTE VLG	P	H	W	5	C	D	68	50	12	P	C	1966	S	T	263				
22N/03W-21M01M	CHARLES LAMB	P	H	W	5	C	D	52	36	8	P	C	1965	S	S	265				
22N/03W-25N01M	PAUL VLASOFF	P	H	W	5	C	D	72	52	8	P	C	1964	J	T	222				
22N/03W-26N01M	STAFFORD SHIRE	P	H	W	5	C	D	100	92	8	P	C	1963	J	T	228				
22N/03W-27F01M	DONALD THOMAS	P	H	W	5	C	D	116	100	8	P	C	1966	S	S	244				
22N/03W-33K01M	CURTIS HANSON	P	U	U	5		D	60	48	8	P	C	1966	T	S	248				
22N/03W-34A02M	A.JOHNSON	P	H	W	5		D	72	56	8	P	C	1965	J	S	232				
23N/02W-04A03M	F.A.ROSAUER	P	I	W	5	C	D	56	35	12	P	C	1969	T	U	180				
23N/02W-04F01M	H.T.RICHARDSON	P	I	W	7		D	124	60	16	P	C	1970	T	U	190			2000	70
23N/02W-09A01M	H.T.RICHARDSON	P	H	W	5	C	D	80	69	8	P	C	1964	S	T	175				
23N/02W-09R01M	H.T.RICHARDSON	P	I	W	7		D	124	82	16	P	C	1964	T	V	200			2000	31
23N/02W-10C01M	H.T.RICHARDSON	P	I	W	7		D	64	35	16	P	C	1964	T	V	172			2000	32
23N/02W-20F01M	OSCAR BURROUGHS	P	I	W	7		D	310	90	10	P	C	1970	T	V	205			2000	69
23N/03W-21M01M	CAMPBELL	P	H	W	5	C	D	88	72	8	P	C	1962	S	S	218				
23N/02W-21Q01M	GARY BONESIO	P	I	W	7		D	140	108	14	P	C	1963	T	U	185			2000	30
23N/02W-27G01M	R.L.TALBOTT	P	H	W	5		D	84	76	8	P	C	1968	J	S	180				
23N/02W-27J02M	S.C.PITTS	P	H	W	5		D	64	50	8	P	C	1966	J	S	175				
23N/02W-27R01M	FRANK LEPP	P	I	W	5	C	D	100	40	12	P	C	1967	T	U	170				
23N/02W-27R02M	FRANK LEPP	P	H	W	5	C	D	60	50	8	P	C	1969	T	S	170				
23N/02W-30R01M	WAYNE DECOU	P	I	W	7	C	D	148	105	14	P	C	1961	T	U	210			1700	30
23N/02W-32R01M	R.R.STEELE	P	H	W	5	C	D	112	97	8	P	C	1963	S	S	193				
23N/02W-33C01M	JOAN FLEMING	P	H	W	5	C	D	104	83	8	P	C	1970	J	S	192				
23N/02W-33H01M	H.A.SHREVE	P	I	W	7	C	D	112	50	12	P	C	1959	T	U	182			1400	63
23N/02W-34A02M	J.J.RAKSTRAW	P	I	W	5		D	125	104	10	P	C	1966	T	U	170				
23N/02W-34D01M	CLIFFORD BALL	P	H	W	5		D	68	56	8	P	C	1969	T	S	180				
23N/02W-35D01M	ROGER PENNER	P	H	W	5	C	D	120	112	8	P	C	1965	S	T	167				
23N/02W-35Q01M	W.J.CHRISTLIEB	P	H	W	5	C	D	170	80	8	P	C	1963	S	S	167				
23N/03W-02D01M	EVA OSBORN	P	U	U	7		D	124	104	12	F	C	1954	T	U	245			1300	14
23N/03W-03D01M	A.M.HALL	P	H	W	5	C	D	120	90	8	P	C	1970	S	S	257				
23N/03W-03G01M	V.J.FREITAS	P	H	W	5	C	D	52	52	8	O	C	1967	T	T	245				
23N/03W-14A01M	JOHN ZIMMERMAN	P	I	W	7	C	D	64	52	8	P	C	1950	T	T	215			40	0
23N/03W-24D01M	CINTO ALBERICO	P	I	W	5		D	164	29	14	P	C	1951	T	V	210				
23N/03W-24G01M	F.ZIMMERMAN	P	H	W	5	C	D	148	92	8	P	C	1965	S	T	247				
23N/03W-34P01M	PELLIZZARI BROS	P	I	W	7		D	204	76	12	P	C	1969	T	U	250			1700	72
23N/03W-36Q01M	JACK HUGHINS	P	H	W	5		D	86	76	8	P	C	1967	J	S	229				
23N/03W-36R01M	CLARENCE DOLZAL	P	I	W	5	C	D	88	76	8	P	C	1967	J	S	221				
24N/02W-16B01M	AMERICAN ALMOND	N	I	W	5		D	310	0	8	P	C	1966	T	W	190				
24N/02W-16F01M	AMERICAN ALMOND	N	I	W	5		D	600	274	8	P	C	1966	T	W	185				
24N/02W-16M01M	AMERICAN ALMOND	N	I	W	5		D	474	232	12	P	C	1966	T	V	185				
24N/02W-17R01M	AMERICAN ALMOND	N	H	W	5	C	D	60	60	8	O	C	1965	S	S	210				
24N/02W-19E01M	RAYMOND WILLIS	P	H	W	5	C	D	52	52	6	O	C	1964	T	S	253				
24N/02W-29D01M	A.D.HARDY	P	U	U	5		D	48	36	8	P	C	1958	C	S	220				
24N/02W-29F02M	FRED NELSON	P	I	W	5		D	52	36	6	P	C	1954	T	U	216				
24N/02W-30A01M	W.E.DIETZ	P	U	Z	5		D	56	56	8	O	C	1954	N		225				
24N/02W-31R01M	VIDAL FLORES	P	H	W	7	C	D	171	144	10	P	C	1966	T	U	210			80	20
24N/02W-33P02M	M.J.RODDEN	P	H	W	5	C	D	76	50	8	P	C	1968	J	T	190				

Table 1.--*Description of wells--Continued*

State well number	Owner or user	Ownership	Use of water	Use of well	Well data	Chemical analyses	Log data	Depth of well (feet below lsd)	Depth cased (feet below lsd)	Diameter (inches)	Well finish	Method drilled	Year drilled	Lift type	Power	Altitude of lsd (feet)	Water level (feet below lsd)	Date measured	Yield of well: Gallons per minute	Yield of well: Drawdown (feet)
24N/03W-10L01M	JOHN ANGELO	P	H	W	5	C	D	86	70	8	P	C	1954	S	S	281				
24N/03W-15G01M	H.D.METCALF	P	H	W	5	C	D	100	40	8	P	C	1958	T	S	278				
24N/03W-22D01M	R.A.FOORD	P	I	W	5		D	288	71	10	P	C	1950	T	U	282				
24N/03W-22Q01M	JOHN FOX	P	U	Z	5		D	212	106	12	P	C	1950	N		273				
24N/03W-24K02M	E.J.HINES	P	H	W	5	C	D	200	70	8	P	C	1968	S	T	240				
24N/03W-24P02M	J.RECKER	P	U	Z	5		D	56	44	8	P	C	1954	N		240				
24N/03W-24Q01M	SUNSWEET DRYER	N	N	W	5	C	D	52	40	12	P	C	1956	T	U	240				
24N/03W-24Q02M	PALMER MATZ	P	I	W	7		D	369	27	10	P	C	1955	T	U	235			1750	70
24N/03W-26F01M	MAURICE HALE	P	I	W	5	C	D	104	48	10	P	C	1956	T	U	266				
24N/03W-26M01M	HOMER HEWSON	P	U	U	5		D	120	96	10	P	C	1964	N		265				
24N/03W-27E01M	JONES	P	H	W	7	C	D	156	140	8	P	C	1969	S	S	271			30	9
24N/03W-27K01M	L.RYBARCZYKI	P	H	W	5		D	72	72	8	O	C	1967	S	S	266				
24N/03W-35E01M	ROBERT VINSON	P	H	W	5	C	D	100	92	8	P	C	1966	C	S	257				
24N/03W-35E02M	W.HUNN	P	H	W	7		D	112	32	8	P	C	1970	S	S	255			15	40
25N/02W-06N02M	RAYMOND DUTRO	P	I	W	7		D	147	20	14	P	C	1972	T	V	223			1800	25
25N/02W-18J01M	F.DUTRO	P	I	W	7		D	150	30	14	P	C	1957	T	V	205			2400	27
25N/03W-01R02M	RAYMOND DUTRO	P	I	W	7		D	212	21	14	P	C	1972	T	V	226			1775	27
25N/03W-04A01M	RONALD BENNETT	P	H	W	7	C	D	152		8	P	C	1964	S	T	279			30	12
25N/03W-12A01M	RAYMOND DUTRO	P	Z	W	7		D	100	28	8	P	C	1967	S	T	225			45	0
25N/03W-14A02M	HAROLD AUNSPACH	P	H	W	5	C	D	420	404	8	P	C	1962	S	T	250				
25N/03W-14J01M	EL CAMINO I.D.	W	I	W	7	C	D	186	18	14	P	C	1968	T	V	250			1500	80
25N/03W-14Q01M	LUCILE MC FALL	P	H	W	7	C	D	138	121	8	P	C	1964	S	T	250			40	10
25N/03W-22R02M	ELMER LASHLY	P	H	W	5	C	D	48	48	8	P	C	1970	S	S	267				
25N/03W-23E01M	ROBERT HARTSTEN	P	H	W	5	C	D	52	40	8	P	C	1963	C	S	257				
25N/03W-23H01M	RENERO COX	P	H	W	5	C	D	120	104	8	P	C	1960	S	S	252				
25N/03W-34J01M	ATLAS II REDIMX	N	H	W	5		D	180	170	8	P	C	1963	T	S	263				
25N/03W-35L01M	L.HITCHCOCK	P	H	W	5	C	D	80	61	8	P	C	1968	C	S	265				
25N/03W-35L02M	ARTHUR GORDON	P	H	W	5		D	132	64	8	P	C	1968	J	T	265				
25N/03W-35L03M	RAYMOND BALLARD	P	H	W	5		D	84	68	8	P	C	1963	J	S	258				
25N/03W-35P01M	G.M.BENNETT	P	H	W	7		D	60	32	8	P	C	1968	J	S	263			45	0
25N/03W-36L01M	W.H.RIDDLE	P	H	W	5	C	D	168	152	8	P	C	1960	T	T	250				
26N/02W-31N01M	PACIFIC SOAP CO	N	I	W	7		D	176	0	14	P	C	1967	T	V	225			2250	36
26N/02W-31Q02M	PACIFIC SOAP CO	N	I	W	7		D	286	65	12	P	C	1967	T	V	222			2200	31

Table 2.--*Chemical analyses of water*

[The analysis of each sample is displayed as one line on three consecutive pages.]

STATE WELL NUMBER	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
11N01E06Q01M	74-08-08	28	0	50	0	31	41	57	1.1	399
11N01E07F01M	74-08-07	33	10	20	10	34	34	39	2.0	336
11N01E07G01M	74-08-07	53	--	20	40	--	32	--	--	336
11N01E16N01N	74-08-08	35	10	20	0	29	32	40	2.1	318
11N01E17K01M	74-08-07	29	10	20	90	39	58	54	.7	488
11N01W01G01M	74-08-07	29	10	10	20	30	48	57	.9	438
11N01W02G01M	74-08-07	23	0	10	30	22	49	55	2.4	426
12N01W04E01M	74-08-08	27	0	20	0	36	16	29	1.3	193
12N01W05J01M	74-08-08	27	10	10	0	34	32	35	1.4	304
12N01W06N01M	74-08-08	36	10	10	0	21	40	25	1.8	314
12N01W08A01M	74-08-08	31	0	10	0	43	23	27	1.2	287
12N01W09F02M	74-08-08	28	10	10	0	57	26	27	1.1	295
12N01W15M02M	74-08-09	29	10	10	0	26	31	23	.6	265
12N01W16F01M	74-08-09	32	0	0	0	21	23	12	.4	220
12N01W16Q01M	74-08-09	31	0	0	0	28	30	21	.8	270
12N01W17J01M	74-08-09	36	10	30	0	28	46	18	.5	292
12N01W21A01M	74-08-09	31	0	20	0	29	31	18	.5	261
12N01W22K01M	74-08-09	28	10	10	0	27	29	20	.3	240
12N01W23P01M	74-08-09	27	0	0	0	29	45	31	1.0	349
12N01W28B01M	74-08-09	22	10	10	0	19	60	33	1.1	364
12N02W01G01M	74-08-13	30	0	20	0	40	31	31	.8	288
12N02W02G01M	74-08-27	32	10	20	0	27	37	48	2.2	--
12N02W03A02M	74-08-13	29	0	0	40	37	28	60	1.2	297
12N02W03D01M	74-08-20	31	10	10	0	36	32	46	1.1	295
12N02W10H01M	74-08-13	29	0	10	0	45	38	49	1.2	265
13N01W06R01M	74-08-13	34	0	0	10	120	44	76	1.6	160
13N01W08B01M	74-08-13	37	0	50	0	140	69	74	1.7	250
13N01W15P01M	74-08-13	33	0	20	0	52	32	40	.9	353
13N01W16N03M	74-08-13	27	0	10	0	50	18	29	.4	191
13N01W17F01M	74-08-13	28	0	0	0	70	20	32	1.0	193
13N01W19F01M	74-08-20	33	20	80	0	41	32	34	.7	261
13N01W20J01M	74-08-20	29	0	20	0	49	14	27	.4	186
13N01W21Q01M	74-08-20	33	0	20	0	26	15	29	.9	194
13N01W22M01M	74-08-20	28	10	20	0	48	18	34	.6	270
13N01W27A01M	74-08-20	25	0	20	0	50	27	40	.5	340
13N01W27N01M	74-08-20	35	10	20	0	30	16	33	1.2	228
13N01W28E03M	74-08-20	36	0	30	0	24	16	30	1.1	192
13N01W29P01M	74-08-20	28	0	10	0	23	22	40	1.3	238
13N01W30E01M	74-08-20	28	0	30	0	23	38	34	1.3	301
13N01W30F01M	74-08-20	29	0	90	10	25	23	31	.7	196
13N01W31Q01M	74-08-20	29	0	20	0	51	38	38	.9	360
13N01W32G01M	74-08-21	23	0	40	20	24	31	40	1.2	294
13N01W32H01M	74-08-21	27	10	20	20	60	30	38	.6	297
13N01W33J01M	74-08-21	25	0	10	0	49	13	29	1.0	242
13N01W33N01M	74-08-21	26	0	10	0	31	13	27	.9	184
13N01W35L02M	74-08-21	39	0	40	0	36	22	32	1.5	266
13N01W35L03M	74-08-21	49	0	30	0	27	21	35	1.7	236
13N01W36Q02M	74-08-21	54	10	10	20	30	21	40	2.4	198
13N02W01J01M	74-08-21	29	10	10	0	41	36	73	1.6	223
13N02W02C01M	74-08-21	30	0	20	0	25	24	47	1.2	209
13N02W03E01M	74-08-21	30	0	20	20	22	21	31	.7	191
13N02W04C01M	74-08-21	31	0	10	20	29	38	29	1.4	259
13N02W10D01M	74-08-22	26	0	20	20	31	23	91	1.1	146
13N02W10K01M	74-08-22	26	0	20	10	33	23	74	1.5	238
13N02W10L01M	74-08-22	25	0	20	40	36	24	79	1.6	273
13N02W11E02M	74-08-22	28	0	20	30	46	31	87	1.3	209
13N02W13C01M	74-08-23	28	0	20	20	48	32	53	1.2	304
13N02W15J01M	74-08-23	27	0	20	10	57	30	130	2.1	233
13N02W17Q01M	74-08-23	32	0	10	0	30	30	27	.9	213
13N02W22H03M	74-08-23	32	0	10	0	51	36	60	1.6	290

Table 2.--*Chemical analyses of water--Continued*

STATE WELL NUMBER	DATE OF SAMPLE	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)
11N01E06Q01M	74-08-08	327	15	10	.3	2.7	.13	373	250	0
11N01E07F01M	74-08-07	276	8.7	7.6	.2	2.3	.16	332	220	0
11N01E07G01M	74-08-07	276	8.0	6.3	.2	.80	.15	324	--	--
11N01E16N01N	74-08-08	261	12	17	.3	.33	.11	326	200	0
11N01E17K01M	74-08-07	400	14	26	.3	1.7	.18	454	340	0
11N01W01G01M	74-08-07	359	10	9.7	.3	.18	.16	377	270	0
11N01W02Q01M	74-08-07	349	9.7	9.4	.2	.03	.14	354	260	0
12N01W04F01M	74-08-08	158	5.7	30	.2	2.2	.06	242	160	0
12N01W05J01M	74-08-08	249	5.8	16	.2	1.2	.12	286	220	0
12N01W06N01M	74-08-08	258	3.8	6.9	.4	1.5	.12	276	220	0
12N01W08A01M	74-08-08	235	4.3	16	.3	1.3	.08	291	200	0
12N01W09F02M	74-08-08	242	5.3	32	.1	4.0	.06	329	250	7
12N01W15M02M	74-08-09	217	2.9	4.1	.4	1.6	.09	236	190	0
12N01W16F01M	74-08-09	180	3.3	5.5	.1	2.3	.06	215	150	0
12N01W16Q01M	74-08-09	221	1.8	3.4	.5	1.6	.06	236	190	0
12N01W17J01M	74-08-09	240	5.0	9.2	.3	6.9	.13	287	260	20
12N01W21A01M	74-08-09	214	3.0	3.3	.4	1.5	.07	224	200	0
12N01W22K01M	74-08-09	197	3.2	6.4	.3	2.5	.08	229	190	0
12N01W23P01M	74-08-09	286	3.2	11	.4	2.8	.11	311	260	0
12N01W28P01M	74-08-09	299	6.7	11	.2	3.3	.22	317	290	0
12N02W01G01M	74-08-13	236	6.6	25	.2	3.0	.05	308	230	0
12N02W02G01M	74-08-27	350	14	28	.3	1.4	.06	332	220	--
12N02W03A02M	74-08-13	244	11	46	.3	5.4	.04	377	210	0
12N02W03D01M	74-08-20	242	9.2	42	.3	3.0	.05	353	220	0
12N02W10H01M	74-08-13	217	10	84	.3	4.4	.05	404	270	51
13N01W06R01M	74-08-13	131	9.7	370	.3	3.3	.01	827	480	350
13N01W08R01M	74-08-13	205	11	390	.3	5.1	.03	970	630	430
13N01W15P01M	74-08-13	290	1.3	1.5	.3	.13	.09	388	260	0
13N01W16N03M	74-08-13	157	11	52	.2	3.4	.10	294	200	42
13N01W17F01M	74-08-13	158	6.9	100	.2	8.2	.03	422	260	99
13N01W19F01M	74-08-20	214	5.8	50	.3	4.6	.03	341	230	20
13N01W20J01M	74-08-20	153	7.2	42	.2	4.5	.04	286	180	27
13N01W21Q01M	74-08-20	159	5.4	17	.3	1.4	.06	232	130	0
13N01W22M01M	74-08-20	221	6.4	21	.3	3.1	.04	310	190	0
13N01W27A01M	74-08-20	279	5.4	15	.3	3.4	.05	348	240	0
13N01W27N01M	74-08-20	187	6.4	15	.3	1.1	.07	252	140	0
13N01W28E03M	74-08-20	158	5.1	15	.3	1.9	.07	224	130	0
13N01W29P01M	74-08-20	195	7.1	18	.3	1.4	.06	252	150	0
13N01W30E01M	74-08-20	247	7.6	17	.3	.79	.10	285	210	0
13N01W30F01M	74-08-20	161	5.8	35	.3	2.1	.03	249	160	0
13N01W31Q01M	74-08-20	295	7.0	32	.2	2.8	.06	370	280	0
13N01W32G01M	74-08-21	241	6.5	11	.2	.31	.08	264	190	0
13N01W32H01M	74-08-21	244	6.4	36	.3	12	.06	395	270	30
13N01W33J01M	74-08-21	199	3.8	11	.2	7.0	.06	283	180	0
13N01W33N01M	74-08-21	151	5.0	16	.2	2.3	.07	229	130	0
13N01W35L02M	74-08-21	218	6.4	13	.3	3.3	.10	281	180	0
13N01W35L03M	74-08-21	194	7.2	19	.3	1.3	.11	258	150	0
13N01W36Q02M	74-08-21	162	8.7	57	.3	.86	.09	327	160	0
13N02W01J01M	74-08-21	183	13	130	.2	1.2	.05	452	250	68
13N02W02C01M	74-08-21	171	7.8	56	.3	1.4	.07	267	160	0
13N02W03E01M	74-08-21	157	3.7	23	.3	3.3	.15	246	140	0
13N02W04C01M	74-08-21	212	5.3	40	.2	4.7	.12	326	230	16
13N02W10D01M	74-08-22	120	16	160	.2	3.0	.07	445	170	52
13N02W10K01M	74-08-22	195	9.6	80	.2	4.8	.08	379	180	0
13N02W10L01M	74-08-22	224	11	78	.2	6.2	.07	414	190	0
13N02W11E02M	74-08-22	171	18	150	.3	3.9	.02	503	240	71
13N02W13C01M	74-08-23	249	18	130	.3	3.8	.03	540	250	2
13N02W15J01M	74-08-23	191	31	220	.3	7.3	.03	655	270	75
13N02W17Q01M	74-08-23	175	11	43	.2	5.4	.06	298	200	24
13N02W22H03M	74-08-23	238	12	110	.3	2.5	.03	457	280	38

Table 2.--*Chemical analyses of water--Continued*

STATE WELL NUMBER	DATE OF SAMPLE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BORON (B) (UG/L)
11N01E06Q01M	74-08-08	33	1.6	661	7.5	19.5	4	530
11N01E07F01M	74-08-07	27	1.1	486	7.6	19.0	4	290
11N01E07G01M	74-08-07	--	--	460	7.6	21.5	10	660
11N01E16N01N	74-08-08	30	1.2	508	7.6	19.0	6	990
11N01E17K01M	74-08-07	26	1.3	850	7.5	23.5	4	1100
11N01W01G01M	74-08-07	31	1.5	690	7.6	25.0	1	530
11N01W02Q01M	74-08-07	32	1.5	728	7.9	19.5	5	560
12N01W04E01M	74-08-08	29	1.0	358	7.2	19.5	2	240
12N01W05J01M	74-08-08	26	1.0	526	7.2	19.5	4	660
12N01W06N01M	74-08-08	20	.7	428	7.6	21.5	8	170
12N01W08A01M	74-08-08	22	.8	449	7.1	21.5	2	80
12N01W09F02M	74-08-08	19	.7	655	7.1	19.0	1	400
12N01W15M02M	74-08-09	21	.7	402	7.5	23.5	2	250
12N01W16F01M	74-08-09	15	.4	361	7.4	20.0	1	250
12N01W16Q01M	74-08-09	19	.7	428	7.7	21.5	5	90
12N01W17J01M	74-08-09	13	.5	484	7.4	23.5	4	970
12N01W21A01M	74-08-09	16	.6	396	7.4	21.5	2	280
12N01W22K01M	74-08-09	19	.6	417	7.5	21.5	3	320
12N01W23P01M	74-08-09	21	.8	631	7.6	21.5	4	130
12N01W28R01M	74-08-09	20	.8	648	7.6	21.0	6	370
12N02W01G01M	74-08-13	23	.9	513	7.3	18.5	1	120
12N02W02G01M	74-08-27	32	1.4	499	7.4	22.5	4	--
12N02W03A02M	74-08-13	38	1.8	654	7.1	20.5	5	1300
12N02W03D01M	74-08-20	31	1.3	616	7.8	19.5	2	590
12N02W10H01M	74-08-13	28	1.3	773	7.4	19.5	1	520
13N01W06R01M	74-08-13	26	1.5	1477	7.5	21.5	6	510
13N01W08R01M	74-08-13	20	1.3	1710	7.4	18.5	31	460
13N01W15R01M	74-08-13	25	1.1	678	7.6	19.5	1	110
13N01W16N03M	74-08-13	24	.9	486	7.8	21.0	0	230
13N01W17F01M	74-08-13	21	.9	762	7.2	19.5	6	160
13N01W19F01M	74-08-20	24	1.0	684	7.8	21.5	0	170
13N01W20J01M	74-08-20	25	.9	459	8.1	19.5	1	140
13N01W21Q01M	74-08-20	33	1.1	358	8.1	19.5	3	20
13N01W22M01M	74-08-20	28	1.1	504	8.1	19.5	1	320
13N01W27A01M	74-08-20	27	1.1	642	7.8	21.5	0	410
13N01W27N01M	74-08-20	34	1.2	403	8.0	19.5	3	260
13N01W28F03M	74-08-20	34	1.2	335	8.3	21.0	8	330
13N01W29P01M	74-08-20	37	1.4	407	8.2	21.5	6	60
13N01W30F01M	74-08-20	26	1.0	482	8.2	21.5	4	140
13N01W30F01M	74-08-20	30	1.1	428	8.2	21.5	3	160
13N01W31Q01M	74-08-20	22	1.0	813	8.4	21.5	5	290
13N01W32G01M	74-08-21	32	1.3	407	7.4	21.5	4	100
13N01W32H01M	74-08-21	23	1.0	676	7.3	20.5	2	240
13N01W33J01M	74-08-21	26	1.0	410	7.8	21.0	2	120
13N01W33N01M	74-08-21	31	1.0	333	7.5	20.0	2	200
13N01W35L02M	74-08-21	28	1.0	441	8.0	20.5	4	280
13N01W35L03M	74-08-21	33	1.2	420	7.8	20.5	6	310
13N01W36Q02M	74-08-21	35	1.4	497	7.0	21.0	4	330
13N02N01J01M	74-08-21	39	2.0	583	6.9	21.5	4	850
13N02W02C01M	74-08-21	39	1.6	514	6.9	21.5	3	400
13N02W03F01M	74-08-21	32	1.1	383	6.4	21.0	1	0
13N02W04C01M	74-08-21	21	.8	626	6.5	21.0	2	0
13N02W10D01M	74-08-22	53	3.0	900	6.9	22.5	2	980
13N02W10K01M	74-08-22	47	2.4	714	6.9	24.0	2	1000
13N02W10L01M	74-08-22	47	2.5	714	7.3	24.0	1	1100
13N02W11E02M	74-08-22	44	2.4	940	6.9	25.5	1	2500
13N02W13C01M	74-08-23	31	1.5	966	6.9	22.5	2	720
13N02W15J01M	74-08-23	51	3.5	1200	7.0	22.5	2	2900
13N02W17Q01M	74-08-23	23	.8	500	6.9	23.0	3	70
13N02W22H03M	74-08-23	32	1.6	891	7.0	25.5	0	580

Table 2.--*Chemical analyses of water--Continued*

STATE WELL NUMBER	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
13N02W23R01M	74-08-23	28	10	10	0	44	41	47	1.0	290
13N02W24A02M	74-08-23	29	0	10	0	31	28	36	.9	243
13N02W26A01M	74-08-23	30	10	20	20	48	43	46	1.0	284
13N02W26G01M	74-08-27	31	0	20	0	50	45	42	1.1	287
13N02W27R01M	74-08-27	30	10	30	0	38	35	66	1.4	258
13N02W28A01M	74-08-27	26	0	50	0	40	19	120	1.7	264
13N02W36P01M	74-08-27	25	0	10	0	25	36	35	1.2	274
14N02W03G01M	74-08-29	32	20	20	0	40	32	79	1.1	361
14N02W04D01M	74-08-29	24	10	20	0	45	21	40	.6	271
14N02W05R01M	74-08-29	22	0	10	0	55	25	46	.7	290
14N02W05R02M	74-08-29	24	0	0	10	36	21	37	.8	247
14N02W06F01M	74-08-29	24	0	10	0	55	18	54	1.5	250
14N02W07C01M	74-08-29	25	0	20	0	44	14	37	1.2	207
14N02W09F01M	74-08-30	24	0	20	0	33	18	33	2.1	230
14N02W15E01M	74-08-30	26	0	60	10	22	17	30	.7	187
14N02W15M02M	74-08-30	24	0	40	0	29	16	28	.9	182
14N02W18N02M	74-08-30	26	0	20	0	43	34	28	1.5	237
14N02W18N03M	74-08-30	33	0	20	0	17	23	28	1.0	188
14N02W18Q01M	74-08-30	18	0	10	0	8.4	7.2	13	1.9	117
14N02W22M01M	74-08-30	28	0	20	0	13	11	19	.5	130
14N02W24F01M	74-09-04	31	20	70	0	26	21	29	.8	202
14N02W31R01M	74-09-04	33	10	10	0	20	25	30	.8	216
14N02W34P01M	74-09-04	26	10	20	10	37	46	71	1.2	257
14N03W01L01M	74-09-05	20	0	20	0	51	14	46	1.4	250
14N03W02C01M	74-09-05	20	10	20	10	54	21	66	1.2	309
14N03W02L01M	74-09-05	21	0	20	0	46	18	47	1.6	211
14N03W12N01M	74-09-05	26	10	10	0	44	18	28	1.0	198
14N03W23K01M	74-09-05	30	0	100	0	40	62	78	1.7	324
15N03W01R01M	74-09-06	33	10	20	110	39	35	140	1.4	369
15N03W13Q01M	74-09-06	37	0	20	120	38	32	120	2.2	362
15N03W14A01M	74-09-06	26	--	20	130	61	44	160	1.9	421
15N03W14P01M	74-09-06	24	10	20	120	45	33	120	1.3	370
15N03W18A01M	74-09-06	12	10	20	290	33	42	120	.4	266
15N03W18J02M	74-09-06	20	10	30	0	43	29	130	.3	400
15N03W20E01M	74-09-06	21	10	10	10	39	24	93	.8	326
15N03W23H01M	74-09-06	20	10	50	0	49	29	41	.2	287
15N03W24G01M	74-09-06	22	10	20	10	46	32	140	.5	472
15N03W25N01M	74-09-05	23	0	20	10	40	13	59	.7	258
15N03W26L01M	74-09-05	24	10	20	0	48	21	76	.7	290
15N03W32H01M	74-09-06	19	0	10	0	37	32	91	1.0	318
15N03W33B01M	74-09-05	22	10	20	10	46	21	81	.9	371
15N03W35A01M	74-09-05	21	0	10	20	68	20	86	1.3	387
15N03W35H01M	74-09-05	20	10	20	0	67	21	81	.9	387
15N04W11A01M	74-09-12	28	0	20	0	36	33	92	1.0	290
15N04W11G01M	74-09-12	28	0	20	0	36	32	89	1.0	290
15N04W14J03M	74-09-12	20	10	20	10	130	61	34	1.0	365
15N04W23L01M	74-09-12	19	0	20	0	96	39	160	1.8	314
17N03W32M01M	74-09-17	--	--	--	--	41	20	--	--	320
18N03W17H01M	74-09-17	26	10	10	0	43	27	71	1.0	318
19N03W04C01M	74-09-17	--	--	--	--	59	40	--	--	424
19N03W04J01M	74-09-17	--	--	--	--	20	20	--	--	230
19N03W04L01M	74-09-17	23	0	20	0	18	19	--	1.1	228
19N03W05R01M	74-09-17	--	--	--	--	39	32	--	--	342
19N03W08R01M	74-09-17	--	--	--	--	43	31	--	--	312
19N03W09R01M	74-09-17	24	0	30	0	20	21	--	1.2	258
19N04W01A01M	74-09-17	--	--	--	--	44	27	--	--	298
20N03W04H01M	74-09-17	31	10	20	10	20	19	22	.9	191
20N03W05P01M	74-09-17	--	--	--	--	21	15	--	--	143
20N03W07K04M	74-09-17	32	10	60	0	31	17	15	.6	184
20N03W13A01M	74-09-17	--	--	--	--	47	25	--	--	286

Table 2.--*Chemical analyses of water--Continued*

STATE WELL NUMBER	DATE OF SAMPLE	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)
13N02W23R01M	74-08-23	238	9.6	76	.3	3.8	.05	405	280	41
13N02W24A02M	74-08-23	199	6.9	49	.3	2.1	.04	303	190	0
13N02W26A01M	74-08-23	233	9.1	89	.3	3.3	.04	419	300	64
13N02W26G01M	74-08-27	235	12	90	.2	5.6	.04	438	310	75
13N02W27R01M	74-08-27	212	14	88	.2	3.5	.03	411	240	27
13N02W28A01M	74-08-27	217	26	140	.3	1.1	.07	541	180	0
13N02W36P01M	74-08-27	225	10	32	.2	.29	.10	292	210	0
14N02W03G01M	74-08-29	296	52	29	.5	1.6	.08	436	230	0
14N02W04D01M	74-08-29	222	25	19	.4	3.2	.06	314	200	0
14N02W05R01M	74-08-29	238	32	22	.4	3.8	.06	322	240	2
14N02W05R02M	74-08-29	203	16	12	.4	2.2	.05	264	180	0
14N02W06F01M	74-08-29	205	63	39	.3	2.2	.07	374	210	6
14N02W07C01M	74-08-29	170	38	25	.3	1.8	.07	281	170	0
14N02W09F01M	74-08-30	189	8.6	12	.3	2.6	.08	242	160	0
14N02W15E01M	74-08-30	153	8.1	14	.3	1.7	.09	185	130	0
14N02W15M02M	74-08-30	149	8.6	19	.3	4.7	.06	221	140	0
14N02W18N02M	74-08-30	194	6.9	28	.2	17	.12	319	250	53
14N02W18N03M	74-08-30	154	14	24	.2	1.2	.11	225	140	0
14N02W18Q01M	74-08-30	96	2.8	4.4	.2	26	.12	174	51	0
14N02W22M01M	74-08-30	107	7.2	18	.2	3.0	.09	185	78	0
14N02W24E01M	74-09-04	166	8.0	16	.2	2.1	.07	222	150	0
14N02W31R01M	74-09-04	177	3.5	10	.2	2.9	.15	221	150	0
14N02W34P01M	74-09-04	211	16	130	.2	.54	.07	452	280	71
14N03W01L01M	74-09-05	205	35	19	.2	4.4	.07	325	190	0
14N03W02C01M	74-09-05	253	39	30	.3	2.3	.08	353	220	0
14N03W02L01M	74-09-05	173	47	37	.3	1.7	.06	305	190	16
14N03W12N01M	74-09-05	154	31	26	.2	2.4	.08	251	180	30
14N03W23K01M	74-09-05	266	130	96	.3	.24	.09	24	360	89
15N03W01R01M	74-09-06	303	110	92	.4	.01	.10	611	240	0
15N03W13Q01M	74-09-06	297	85	80	.4	.16	.09	560	230	0
15N03W14A01M	74-09-06	345	140	140	.4	.16	.01	751	330	0
15N03W14P01M	74-09-06	303	81	81	.5	.36	.05	550	250	0
15N03W18A01M	74-09-06	218	88	140	.6	.00	.03	549	260	37
15N03W18J02M	74-09-06	328	83	61	.8	1.1	.05	524	230	0
15N03W20E01M	74-09-06	267	48	55	1.0	1.3	.01	432	200	0
15N03W23H01M	74-09-06	235	54	11	.8	4.2	.06	331	240	6
15N03W24G01M	74-09-06	494	100	24	1.0	4.0	.06	589	250	0
15N03W25N01M	74-09-05	212	45	11	.4	1.3	.09	304	150	0
15N03W26L01M	74-09-05	238	61	38	.3	1.5	.06	322	210	0
15N03W32H01M	74-09-06	261	45	67	.7	3.2	.02	437	220	0
15N03W33R01M	74-09-05	304	34	9.1	.5	1.7	.08	373	200	0
15N03W35A01M	74-09-05	317	44	38	.3	3.4	.06	458	250	0
15N03W35H01M	74-09-05	317	37	32	.3	2.9	.06	402	250	0
15N04W11A01M	74-09-12	238	49	79	1.1	2.3	.03	440	230	0
15N04W11G01M	74-09-12	238	49	81	1.1	2.3	.01	442	220	0
15N04W14J03M	74-09-12	299	140	350	.5	1.2	.01	1090	580	280
15N04W23L01M	74-09-12	258	130	220	.4	1.0	.00	832	400	140
17N03W32M01M	74-09-17	262	47	11	--	1.7	--	349	190	0
18N03W17H01M	74-09-17	261	63	26	.6	2.1	.04	404	220	0
19N03W04C01M	74-09-17	348	49	29	--	6.3	--	495	310	0
19N03W04J01M	74-09-17	189	5.8	8.3	--	1.2	--	214	130	0
19N03W04L01M	74-09-17	187	8.0	10	.3	1.2	.04	230	130	0
19N03W05R01M	74-09-17	281	45	11	--	2.9	--	371	230	0
19N03W08R01M	74-09-17	256	57	15	--	2.5	--	377	240	0
19N03W09R01M	74-09-17	212	18	10	.3	1.2	.05	260	140	0
19N04W01A01M	74-09-17	244	43	12	--	3.7	--	328	220	0
20N03W04H01M	74-09-17	157	4.7	7.4	.3	1.0	.06	156	130	0
20N03W05P01M	74-09-17	117	4.9	5.6	--	3.6	--	156	110	0
20N03W07K04M	74-09-17	151	7.2	7.5	.3	4.8	.07	206	150	0
20N03W13A01M	74-09-17	235	10	9.7	--	1.1	--	262	220	0

Table 2.--*Chemical analyses of water--Continued*

STATE WELL NUMBER	DATE OF SAMPLE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BORON (B) (UG/L)
13N02W23R01M	74-08-23	27	1.2	776	7.1	21.5	2	330
13N02W24A02M	74-08-23	29	1.1	589	7.1	25.5	3	260
13N02W26A01M	74-08-23	25	1.2	780	7.0	23.0	3	220
13N02W26G01M	74-08-27	23	1.0	770	7.0	21.5	2	360
13N02W27R01M	74-08-27	37	1.9	742	7.1	22.0	2	1300
13N02W28A01M	74-08-27	59	3.9	877	7.0	21.5	2	2700
13N02W36R01M	74-08-27	26	1.1	535	7.2	21.5	6	200
14N02W03G01M	74-08-29	42	2.3	713	7.8	18.0	4	80
14N02W04D01M	74-08-29	30	1.2	518	8.0	19.0	1	260
14N02W05R01M	74-08-29	29	1.3	650	7.6	19.5	2	160
14N02W05R02M	74-08-29	31	1.2	333	7.9	20.0	2	140
14N02W06E01M	74-08-29	36	1.6	654	7.7	20.5	--	80
14N02W07C01M	74-08-29	32	1.2	437	7.7	19.5	2	160
14N02W09E01M	74-08-30	31	1.1	414	7.7	18.0	3	130
14N02W15E01M	74-08-30	34	1.2	308	8.1	19.5	5	100
14N02W15M02M	74-08-30	30	1.0	403	7.9	19.5	4	70
14N02W18N02M	74-08-30	20	.8	535	7.3	21.5	2	70
14N02W18N03M	74-08-30	31	1.0	342	7.7	21.5	4	120
14N02W18G01M	74-08-30	35	.8	257	7.6	21.5	2	0
14N02W22M01M	74-08-30	35	.9	316	7.9	20.5	3	60
14N02W24E01M	74-09-04	29	1.0	392	7.9	19.5	6	80
14N02W31B01M	74-09-04	30	1.1	384	7.4	27.0	2	0
14N02W34P01M	74-09-04	35	1.8	900	7.6	25.0	3	880
14N03W01L01M	74-09-05	35	1.5	522	7.7	20.0	2	140
14N03W02C01M	74-09-05	39	1.9	534	7.9	20.5	2	340
14N03W02L01M	74-09-05	35	1.5	543	7.7	19.5	2	150
14N03W12K01M	74-09-05	25	.9	476	7.7	19.5	2	570
14N03W23K01M	74-09-05	32	1.8	1010	8.0	21.5	1	260
15N03W01P01M	74-09-06	56	3.9	1090	7.8	20.5	4	400
15N03W13C01M	74-09-06	53	3.5	972	7.7	21.0	3	430
15N03W14A01M	74-09-06	51	3.8	1300	7.7	21.0	2	510
15N03W14P01M	74-09-06	51	3.3	994	7.7	21.0	4	420
15N03W18A01M	74-09-06	51	3.3	1070	8.0	23.0	2	500
15N03W18J02M	74-09-06	55	3.8	978	7.9	23.5	1	520
15N03W20E01M	74-09-06	51	2.9	735	7.7	22.5	1	250
15N03W23H01M	74-09-06	27	1.1	637	7.6	21.0	2	1300
15N03W24G01M	74-09-06	55	3.9	1040	7.7	19.5	0	670
15N03W25N01M	74-09-05	45	2.1	501	8.2	20.5	1	140
15N03W26L01M	74-09-05	44	2.3	720	7.8	25.0	2	140
15N03W32H01M	74-09-06	47	2.6	784	7.7	19.5	2	310
15N03W33R01M	74-09-05	47	2.5	683	7.8	22.5	2	260
15N03W35A01M	74-09-05	42	2.4	786	7.9	26.5	0	270
15N03W35H01M	74-09-05	41	2.2	793	7.9	23.5	1	400
15N04W11A01M	74-09-12	47	2.7	730	7.8	22.5	2	550
15N04W11G01M	74-09-12	47	2.6	742	7.8	22.0	1	280
15N04W14J03M	74-09-12	11	.6	1700	7.4	23.0	1	450
15N04W23L01M	74-09-12	46	3.5	1300	7.6	21.5	1	510
17N03W32M01M	74-09-17	--	--	577	7.6	20.5	--	430
18N03W17H01M	74-09-17	41	2.1	605	7.6	19.0	4	260
19N03W04C01M	74-09-17	--	--	807	7.4	19.0	--	380
19N03W04J01M	74-09-17	--	--	377	7.6	21.0	--	60
19N03W04L01M	74-09-17	--	--	373	7.8	21.0	3	160
19N03W05P01M	74-09-17	--	--	648	7.6	21.0	--	210
19N03W08P01M	74-09-17	--	--	632	7.6	20.5	--	400
19N03W09P01M	74-09-17	--	--	427	7.7	21.0	18	90
19N04W01A01M	74-09-17	--	--	624	7.6	23.0	--	200
20N03W04H01M	74-09-17	27	.8	316	7.8	24.0	3	50
20N03W05P01M	74-09-17	--	--	252	7.6	22.5	--	30
20N03W07K04M	74-09-17	18	.5	316	7.6	24.0	6	20
20N03W13A01M	74-09-17	--	--	452	7.4	19.0	--	70

Table 2.--*Chemical analyses of water--Continued*

STATE WELL NUMBER	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
20N03W13C01M	74-09-17	--	--	--	--	48	25	--	--	285
20N03W16A02M	74-09-17	--	--	--	--	31	29	--	--	248
20N03W17P01M	74-09-17	--	--	--	--	23	28	--	--	206
20N03W19N01M	74-09-17	--	--	--	--	27	21	--	--	234
20N03W20A01M	74-09-17	32	0	30	0	42	29	19	.7	308
20N03W20B01M	74-09-17	--	--	--	--	21	22	--	--	202
20N03W21D02M	74-09-17	30	0	10	0	26	18	16	.8	194
20N03W21F01M	74-09-17	--	--	--	--	68	49	--	--	374
20N03W25N01M	74-09-17	--	--	--	--	32	18	17	--	192
20N03W25P02M	74-09-17	--	--	--	--	56	33	--	--	328
20N04W11H01M	74-09-18	--	--	--	--	22	20	--	--	222
21N02W06A01M	74-09-23	24	10	20	0	54	24	20	1.2	250
21N02W06H01M	74-09-23	23	0	20	30	60	32	21	1.8	289
21N02W07K01M	74-09-23	--	--	--	--	67	27	21	--	267
21N02W08F02M	74-09-23	--	--	--	--	37	16	16	--	187
21N02W18A02M	74-09-23	--	--	--	--	94	37	20	--	406
21N02W18D01M	74-09-23	--	--	--	--	64	31	20	--	282
21N02W18E01M	74-09-23	--	--	--	--	81	32	21	--	350
21N02W24D01M	74-09-23	--	--	--	--	64	26	25	--	305
21N02W30G01M	74-09-23	--	--	--	--	59	29	19	--	280
21N03W01C02M	74-09-18	--	--	--	--	54	19	--	--	241
21N03W01G01M	74-09-18	--	--	--	--	92	37	--	--	372
21N03W01R01M	74-09-18	--	--	--	--	76	29	--	--	345
21N03W02Q02M	74-09-18	--	--	--	--	36	22	--	--	242
21N03W03D01M	74-09-18	--	--	--	--	39	15	--	--	239
21N03W04A01M	74-09-18	25	10	40	0	37	27	17	1.1	225
21N03W04R01M	74-09-18	29	0	20	0	48	24	17	1.0	235
21N03W09P01M	74-09-18	--	--	--	--	40	25	--	--	268
21N03W10N01M	74-09-18	--	--	--	--	48	28	--	--	198
21N03W13K01M	74-09-23	--	--	--	--	59	25	19	--	247
21N03W16R01M	74-09-18	31	10	50	30	43	33	19	1.0	258
21N03W22G01M	74-09-23	--	--	--	--	39	21	15	--	176
21N03W24Q02M	74-09-23	--	--	--	--	49	27	19	--	249
21N03W29L01M	74-09-23	--	--	--	--	20	16	31	--	173
21N03W35A01M	74-09-23	--	--	--	--	47	21	12	--	207
21N04W24A01M	74-09-23	--	--	--	--	24	20	21	--	190
22N02W02D01M	74-09-24	--	--	--	--	69	31	31	--	261
22N02W03D01M	74-09-24	--	--	--	--	80	49	38	--	326
22N02W03F02M	74-09-24	--	--	--	--	53	32	29	--	270
22N02W03R01M	74-09-24	--	--	--	--	62	38	27	--	304
22N02W07J01M	74-09-24	--	--	--	--	58	24	20	--	266
22N02W11A01M	74-09-24	--	--	--	--	42	25	20	--	180
22N02W15C01M	74-09-24	24	0	0	0	51	27	23	1.2	266
22N02W17K01M	74-09-24	--	--	--	--	53	22	19	--	258
22N02W18L01M	74-09-24	--	--	--	--	54	20	22	--	256
22N02W19L01M	74-09-24	18	0	10	20	63	24	23	1.2	273
22N02W20H01M	74-09-24	--	--	--	--	40	14	15	--	172
22N02W29E01M	74-09-24	--	--	--	--	44	18	21	--	203
22N02W29J01M	74-09-24	--	--	--	--	63	25	27	--	283
22N02W31P01M	74-09-24	--	--	--	--	60	24	23	--	252
22N02W32C01M	74-09-25	--	--	--	--	61	25	24	--	331
22N02W32H04M	74-09-25	--	--	--	--	29	14	18	--	153
22N03W01C01M	74-09-25	--	--	--	--	45	36	20	--	302
22N03W03P01M	74-09-25	--	--	--	--	63	19	21	--	304
22N03W06P01M	74-09-25	--	--	--	--	38	14	12	--	201
22N03W07F01M	74-09-25	--	--	--	--	69	28	25	--	348
22N03W12J01M	74-09-24	--	--	--	--	70	32	34	--	331
22N03W14Q01M	74-09-25	--	--	--	--	38	13	14	--	186
22N03W16M01M	74-09-25	--	--	--	--	57	19	15	--	269
22N03W18K01M	74-09-25	--	--	--	--	19	13	9.8	--	110

Table 2.--*Chemical analyses of water--Continued*

STATE WELL NUMBER	DATE OF SAMPLE	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)
20N03W13C01M	74-09-17	234	9.3	8.6	--	1.1	--	259	220	0
20N03W16A02M	74-09-17	203	10	16	--	.32	--	242	200	0
20N03W17P01M	74-09-17	169	6.0	4.1	--	3.4	--	196	170	4
20N03W19N01M	74-09-17	192	7.9	5.3	--	2.2	--	203	150	0
20N03W20A01M	74-09-17	253	6.4	7.2	.2	2.6	.08	278	220	0
20N03W20B01M	74-09-17	166	4.0	3.8	--	2.3	--	171	140	0
20N03W21D02M	74-09-17	159	3.9	4.5	.3	1.9	.07	205	140	0
20N03W21F01M	74-09-17	307	11	24	--	9.2	--	392	370	65
20N03W25N01M	74-09-17	157	6.4	11	--	1.9	--	204	150	0
20N03W25P02M	74-09-17	269	17	10	--	1.7	--	319	280	7
20N04W11H01M	74-09-18	182	5.8	5.0	--	3.9	--	210	140	0
21N02W06A01M	74-09-23	205	28	22	.1	4.7	.05	317	230	29
21N02W06H01M	74-09-23	237	30	37	.1	6.3	.08	384	280	45
21N02W07K01M	74-09-23	219	24	51	--	3.3	--	369	280	59
21N02W08F02M	74-09-23	153	15	22	--	2.8	--	235	160	5
21N02W18A02M	74-09-23	333	27	56	--	3.5	--	474	390	54
21N02W18D01M	74-09-23	231	32	64	--	6.7	--	435	290	56
21N02W18F01M	74-09-23	287	39	43	--	8.3	--	453	330	47
21N02W24D01M	74-09-23	250	22	27	--	2.2	--	320	270	17
21N02W30G01M	74-09-23	230	20	33	--	3.9	--	340	270	37
21N03W01C02M	74-09-18	198	23	25	--	3.5	--	300	210	15
21N03W01G01M	74-09-18	305	39	94	--	5.2	--	546	380	77
21N03W01R01M	74-09-18	283	36	37	--	5.0	--	421	310	26
21N03W02Q02M	74-09-18	198	12	20	--	.67	--	243	180	0
21N03W03D01M	74-09-18	196	24	16	--	2.4	--	279	160	0
21N03W04A01M	74-09-18	185	25	17	.0	2.5	.05	258	200	19
21N03W04R01M	74-09-18	193	23	25	.1	3.8	.05	281	220	26
21N03W09R01M	74-09-18	220	34	26	--	2.5	--	316	200	0
21N03W10N01M	74-09-18	162	27	20	--	4.6	--	295	240	73
21N03W13K01M	74-09-23	203	32	30	--	5.1	--	335	250	48
21N03W16R01M	74-09-18	212	28	23	.1	2.9	.02	290	240	32
21N03W22G01M	74-09-23	144	14	20	--	4.8	--	251	180	39
21N03W24Q02M	74-09-23	204	16	25	--	3.0	--	295	230	29
21N03W29L01M	74-09-23	142	6.5	16	--	.49	--	184	120	0
21N03W35A01M	74-09-23	170	15	15	--	4.8	--	259	200	34
21N04W24A01M	74-09-23	156	4.9	5.9	--	3.9	--	211	140	0
22N02W02D01M	74-09-24	214	55	53	--	6.3	--	433	300	86
22N02W03D01M	74-09-24	267	71	71	--	11	--	549	400	130
22N02W03F02M	74-09-24	221	29	38	--	4.7	--	360	260	43
22N02W03R01M	74-09-24	249	22	66	--	1.7	--	394	310	62
22N02W07J01M	74-09-24	218	25	20	--	3.2	--	296	240	25
22N02W11A01M	74-09-24	148	17	45	--	4.9	--	287	210	60
22N02W15C01M	74-09-24	218	27	22	.1	2.5	.05	315	240	20
22N02W17K01M	74-09-24	212	25	17	--	.67	--	282	220	11
22N02W18L01M	74-09-24	210	19	20	--	.29	--	267	220	7
22N02W19L01M	74-09-24	224	43	19	.1	2.6	.03	337	260	32
22N02W20H01M	74-09-24	141	19	13	--	.36	--	206	160	16
22N02W29E01M	74-09-24	167	22	22	--	1.6	--	250	180	17
22N02W29J01M	74-09-24	232	32	24	--	1.9	--	334	260	28
22N02W31P01M	74-09-24	207	23	43	--	3.3	--	337	250	42
22N02W32C01M	74-09-25	271	31	25	--	3.5	--	365	260	0
22N02W32H04M	74-09-25	126	15	20	--	.60	--	189	130	5
22N03W01C01M	74-09-25	248	26	37	--	1.9	--	344	260	13
22N03W03P01M	74-09-25	249	27	31	--	1.9	--	350	240	0
22N03W06P01M	74-09-25	165	16	11	--	.06	--	204	150	0
22N03W07F01M	74-09-25	285	38	23	--	1.7	--	372	290	2
22N03W12J01M	74-09-24	271	48	35	--	6.3	--	417	310	35
22N03W14Q01M	74-09-25	153	19	17	--	.51	--	207	150	0
22N03W16M01M	74-09-25	221	22	20	--	2.0	--	299	220	0
22N03W18K01M	74-09-25	90	8.9	16	--	1.6	--	146	100	11

Table 2.--*Chemical analyses of water--Continued*

STATE WELL NUMBER	DATE OF SAMPLE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BORON (B) (UG/L)
20N03W13C01M	74-09-17	--	--	452	7.4	19.0	--	50
20N03W16A02M	74-09-17	--	--	410	7.2	21.0	--	30
20N03W17P01M	74-09-17	--	--	347	7.6	19.5	--	40
20N03W19N01M	74-09-17	--	--	384	7.5	19.0	--	70
20N03W20A01M	74-09-17	16	.6	463	7.4	19.0	1	130
20N03W20R01M	74-09-17	--	--	313	7.7	21.0	--	140
20N03W21D02M	74-09-17	20	.6	316	7.7	19.0	4	230
20N03W21E01M	74-09-17	--	--	678	7.3	19.0	--	30
20N03W25A01M	74-09-17	--	.6	333	7.3	20.0	--	30
20N03W25P02M	74-09-17	--	--	621	7.3	19.0	--	50
20N04W11H01M	74-09-18	--	--	339	7.6	19.0	--	30
21N02W06A01M	74-09-23	16	.6	487	7.1	19.0	0	350
21N02W06H01M	74-09-23	14	.5	672	7.3	19.5	2	340
21N02W07K01M	74-09-23	--	.5	588	7.6	19.5	--	250
21N02W08F02M	74-09-23	--	.6	381	7.3	19.5	--	160
21N02W18A02M	74-09-23	--	.4	806	7.2	19.5	--	90
21N02W18D01M	74-09-23	--	.5	694	7.2	20.0	--	270
21N02W18F01M	74-09-23	--	.5	730	7.3	22.0	--	160
21N02W24D01M	74-09-23	--	.7	459	7.4	19.5	--	160
21N02W30G01M	74-09-23	--	.5	546	7.2	21.5	--	200
21N03W01C02M	74-09-18	--	--	481	7.2	21.0	--	190
21N03W01G01M	74-09-18	--	--	996	7.1	19.5	--	280
21N03W01R01M	74-09-18	--	--	687	7.3	20.0	--	160
21N03W02C02M	74-09-18	--	--	426	7.4	19.5	--	150
21N03W03D01M	74-09-18	--	--	452	7.2	19.0	--	180
21N03W04A01M	74-09-18	15	.5	410	7.2	20.0	2	340
21N03W04R01M	74-09-18	14	.5	452	7.2	19.0	0	90
21N03W09R01M	74-09-18	--	--	529	6.8	18.0	--	200
21N03W10N01M	74-09-18	--	--	469	7.2	23.5	--	180
21N03W13K01M	74-09-23	--	.5	500	7.2	19.5	--	60
21N03W16R01M	74-09-18	14	.5	507	7.0	18.5	2	190
21N03W22G01M	74-09-23	--	.5	281	7.2	21.0	--	120
21N03W24Q02M	74-09-23	--	.5	486	7.1	19.0	--	330
21N03W29L01M	74-09-23	--	1.3	208	7.8	23.0	--	140
21N03W35A01M	74-09-23	--	.4	353	7.8	26.0	--	300
21N04W24A01M	74-09-23	--	.8	321	7.5	21.5	--	170
22N02W02D01M	74-09-24	--	.8	696	7.0	17.5	--	120
22N02W03D01M	74-09-24	--	.8	862	7.0	18.0	--	120
22N02W03F02M	74-09-24	--	.8	525	7.2	19.0	--	120
22N02W03R01M	74-09-24	--	.7	678	7.2	19.0	--	100
22N02W07J01M	74-09-24	--	.6	474	7.4	19.0	--	210
22N02W11A01M	74-09-24	--	.6	430	7.4	19.0	--	140
22N02W15C01M	74-09-24	17	.6	474	7.1	19.0	2	520
22N02W17K01M	74-09-24	--	.6	435	7.1	17.5	--	290
22N02W18L01M	74-09-24	--	.7	464	7.4	17.5	--	210
22N02W19L01M	74-09-24	16	.6	517	7.2	18.0	0	580
22N02W20H01M	74-09-24	--	.5	311	7.4	18.5	--	160
22N02W29F01M	74-09-24	--	.7	397	7.3	19.0	--	100
22N02W29J01M	74-09-24	--	.7	592	7.2	24.0	--	140
22N02W31P01M	74-09-24	--	.6	560	7.2	20.0	--	180
22N02W32C01M	74-09-25	--	.7	650	7.2	19.0	--	260
22N02W32H04M	74-09-25	--	.7	300	7.5	22.5	--	200
22N03W01C01M	74-09-25	--	.5	573	7.0	19.0	--	30
22N03W03P01M	74-09-25	--	.6	546	7.2	18.0	--	180
22N03W06P01M	74-09-25	--	.4	281	7.3	21.0	--	50
22N03W07F01M	74-09-25	--	.6	572	7.2	23.0	--	280
22N03W12J01M	74-09-24	--	.8	702	7.1	21.0	--	320
22N03W14C01M	74-09-25	--	.5	314	7.2	19.5	--	200
22N03W16M01M	74-09-25	--	.4	482	7.4	19.5	--	70
22N03W18K01M	74-09-25	--	.4	264	7.3	20.0	--	30

Table 2.--*Chemical analyses of water--Continued*

STATE WELL NUMBER	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
22N03W20M01M	74-09-25	--	--	--	--	37	24	13	--	213
22N03W21C01M	74-09-25	20	0	0	20	60	25	20	.9	277
22N03W21M01M	74-09-25	--	--	--	--	46	23	14	--	242
22N03W25N01M	74-09-25	--	--	--	--	54	15	19	--	228
22N03W26N01M	74-09-25	--	--	--	--	53	16	15	--	232
22N03W27F01M	74-09-25	--	--	--	--	50	14	14	--	223
23N02W04A03M	74-10-01	--	--	--	--	31	24	14	--	252
23N02W09A01M	74-10-01	29	0	20	0	33	22	27	1.2	209
23N02W21M01M	74-09-30	--	--	--	--	41	35	14	--	260
23N02W27R01M	74-09-30	34	0	20	40	35	18	20	.9	205
23N02W27R02M	74-09-30	30	0	20	10	40	25	26	1.2	257
23N02W30B01M	74-09-30	--	--	--	--	23	15	19	--	132
23N02W32R01M	74-09-30	--	--	--	--	49	31	21	--	228
23N02W33C01M	74-09-30	--	--	--	--	53	39	21	--	292
23N02W33H01M	74-09-30	--	--	--	--	80	44	23	--	350
23N02W35D01M	74-09-30	30	0	20	10	42	28	20	1.0	232
23N02W35G01M	74-09-30	--	--	--	--	51	31	22	--	225
23N03W03D01M	74-09-26	--	--	--	--	18	14	18	--	121
23N03W03G01M	74-09-26	--	--	--	--	9.2	12	16	--	127
23N03W14A01M	74-09-26	--	--	--	--	21	14	15	--	142
23N03W24G01M	74-09-26	--	--	--	--	28	24	26	--	186
23N03W36R01M	74-09-26	--	--	--	--	36	25	13	--	148
24N02W17R01M	74-10-01	52	0	20	10	18	16	27	2.1	179
24N02W19F01M	74-10-01	--	--	--	--	38	28	24	--	267
24N02W31B01M	74-10-01	--	--	--	--	26	18	17	--	165
24N02W33P02M	74-10-01	--	--	--	--	30	21	12	--	189
24N03W10L01M	74-09-30	--	--	--	--	27	14	14	--	119
24N03W15G01M	74-09-30	--	--	--	--	33	32	12	--	188
24N03W24K02M	74-09-26	--	--	--	--	99	70	39	--	550
24N03W24Q01M	74-09-26	--	--	--	--	56	41	29	--	413
24N03W26E01M	74-09-26	30	0	10	20	19	11	13	.7	110
24N03W27E01M	74-09-26	38	0	10	0	15	9.5	14	.7	98
24N03W35E01M	74-09-26	--	--	--	--	26	13	14	--	148
25N03W04A01M	74-10-02	--	--	--	--	32	30	20	--	220
25N03W14A02M	74-10-02	--	--	--	--	28	7.6	40	--	231
25N03W14J01M	74-10-01	35	0	10	10	30	16	18	1.4	170
25N03W14Q01M	74-10-01	33	0	20	10	25	22	18	.5	191
25N03W22B02M	74-10-01	--	--	--	--	41	31	22	--	253
25N03W23E01M	74-10-01	--	--	--	--	25	20	18	--	182
25N03W23H01M	74-10-01	--	--	--	--	22	12	16	--	134
25N03W35L01M	74-10-01	--	--	--	--	73	19	7.8	--	313
25N03W36L01M	74-10-01	--	--	--	--	29	15	33	--	211

Table 2.--*Chemical analyses of water--Continued*

STATE WELL NUMBER	DATE OF SAMPLE	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)
22N03W20M01M	74-09-25	175	19	33	--	3.1	--	270	190	16
22N03W21C01M	74-09-25	227	27	19	.1	2.9	.03	311	250	26
22N03W21M01M	74-09-25	198	23	16	--	2.4	--	272	210	11
22N03W25N01M	74-09-25	187	20	30	--	2.1	--	278	200	10
22N03W26N01M	74-09-25	190	21	21	--	3.2	--	283	200	8
22N03W27F01M	74-09-25	183	18	21	--	2.9	--	269	180	0
23N02W04A03M	74-10-01	207	19	4.3	--	2.0	--	265	180	0
23N02W09A01M	74-10-01	171	17	8.1	.2	2.5	.05	270	170	2
23N02W21M01M	74-09-30	213	19	20	--	4.3	--	304	250	33
23N02W27R01M	74-09-30	168	14	20	.1	3.2	.04	259	160	0
23N02W27R02M	74-09-30	211	13	21	.1	2.7	.04	287	200	0
23N02W30R01M	74-09-30	108	12	16	--	1.5	--	180	120	11
23N02W32R01M	74-09-30	187	30	38	--	2.6	--	316	250	63
23N02W33C01M	74-09-30	240	19	43	--	4.2	--	354	290	53
23N02W33H01M	74-09-30	287	24	75	--	3.5	--	444	380	94
23N02W35D01M	74-09-30	190	15	30	.2	3.0	.03	281	220	30
23N02W35G01M	74-09-30	185	33	46	--	9.7	--	368	260	70
23N03W03D01M	74-09-26	99	14	9.4	--	1.8	--	166	100	3
23N03W03G01M	74-09-26	104	23	6.5	--	.41	--	162	72	0
23N03W14A01M	74-09-26	116	9.9	5.7	--	1.8	--	162	110	0
23N03W24G01M	74-09-26	153	15	21	--	3.7	--	223	170	16
23N03W36R01M	74-09-26	121	13	33	--	5.7	--	248	190	71
24N02W17R01M	74-10-01	147	7.9	9.0	.2	2.4	.08	211	110	0
24N02W19E01M	74-10-01	219	20	14	--	2.7	--	281	210	0
24N02W31R01M	74-10-01	135	25	7.2	--	4.7	--	228	140	4
24N02W33P02M	74-10-01	155	20	8.5	--	4.3	--	238	160	6
24N03W10L01M	74-09-30	98	13	8.4	--	4.7	--	190	130	27
24N03W15G01M	74-09-30	154	38	16	--	6.6	--	266	210	60
24N03W24K02M	74-09-26	451	49	70	--	4.6	--	620	540	84
24N03W24Q01M	74-09-26	339	35	17	--	2.6	--	411	310	0
24N03W26E01M	74-09-26	90	9.2	8.8	.2	2.0	.03	154	93	3
24N03W27F01M	74-09-26	80	8.6	6.0	.2	2.0	.10	143	77	0
24N03W35E01M	74-09-26	121	11	6.5	--	1.5	--	169	120	0
25N03W04A01M	74-10-02	180	13	29	--	2.5	--	268	200	23
25N03W14A02M	74-10-02	189	6.2	6.1	--	.14	--	269	100	0
25N03W14J01M	74-10-01	139	15	8.3	.2	1.2	.06	198	140	2
25N03W14Q01M	74-10-01	157	9.3	17	.2	1.8	.07	217	150	0
25N03W22B02M	74-10-01	208	20	28	--	4.4	--	310	230	22
25N03W23E01M	74-10-01	149	11	13	--	2.4	--	216	140	0
25N03W23H01M	74-10-01	110	14	5.9	--	4.3	--	193	100	0
25N03W35L01M	74-10-01	257	25	3.1	--	.69	--	302	260	4
25N03W36L01M	74-10-01	173	33	5.0	--	.07	--	251	130	0

Table 2.--*Chemical analyses of water--Continued*

STATE WELL NUMBER	DATE OF SAMPLE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BORON (B) (UG/L)
22N03W20M01M	74-09-25	--	.4	444	7.0	20.0	--	50
22N03W21C01M	74-09-25	15	.5	455	7.4	20.0	0	280
22N03W21M01M	74-09-25	--	.4	426	7.2	19.5	--	60
22N03W25N01M	74-09-25	--	.6	470	7.4	19.5	--	210
22N03W26N01M	74-09-25	--	.5	459	7.2	19.5	--	60
22N03W27F01M	74-09-25	--	.5	437	7.2	23.0	--	130
23N02W04A03M	74-10-01	--	.5	368	6.8	18.0	--	270
23N02W09A01M	74-10-01	25	.9	408	7.2	18.0	2	30
23N02W21M01M	74-09-30	--	.4	475	7.1	19.0	--	0
23N02W27R01M	74-09-30	21	.7	391	7.0	18.0	0	150
23N02W27R02M	74-09-30	22	.8	452	7.1	19.0	0	120
23N02W30R01M	74-09-30	--	.8	277	7.1	20.5	--	110
23N02W32P01M	74-09-30	--	.6	502	7.1	18.5	--	10
23N02W33C01M	74-09-30	--	.5	552	7.2	18.0	--	110
23N02W33H01M	74-09-30	--	.5	782	7.2	18.0	--	100
23N02W35D01M	74-09-30	16	.6	424	7.5	19.5	0	50
23N02W35G01M	74-09-30	--	.6	594	7.3	21.0	--	100
23N03W03D01M	74-09-26	--	.8	253	7.3	18.0	--	20
23N03W03G01M	74-09-26	--	.8	233	7.0	21.0	--	20
23N03W14A01M	74-09-26	--	.6	215	7.5	19.0	--	40
23N03W24G01M	74-09-26	--	.9	388	7.1	20.0	--	0
23N03W36R01M	74-09-26	--	.4	395	7.5	19.0	--	20
24N02W17R01M	74-10-01	34	1.1	311	7.6	20.0	4	0
24N02W19E01M	74-10-01	--	.7	455	7.9	20.0	--	180
24N02W31R01M	74-10-01	--	.6	339	7.5	19.0	--	4
24N02W33R02M	74-10-01	--	.4	232	7.2	18.0	--	0
24N03W10L01M	74-09-30	--	.5	281	7.2	21.0	--	10
24N03W15G01M	74-09-30	--	.4	413	7.2	22.0	--	130
24N03W24K02M	74-09-26	--	.7	994	7.4	21.0	--	0
24N03W24Q01M	74-09-26	--	.7	678	7.5	19.0	--	8
24N03W26F01M	74-09-26	23	.6	228	7.4	18.5	1	290
24N03W27F01M	74-09-26	28	.7	192	7.2	19.0	1	50
24N03W35F01M	74-09-26	--	.6	260	7.2	19.0	--	30
25N03W04A01M	74-10-02	--	.6	391	7.1	19.0	--	320
25N03W14A02M	74-10-02	--	1.7	347	7.8	19.5	--	2
25N03W14J01M	74-10-01	22	.7	308	7.7	19.5	2	6
25N03W14Q01M	74-10-01	20	.6	339	7.4	19.0	1	10
25N03W22R02M	74-10-01	--	.6	504	7.4	19.5	--	60
25N03W23F01M	74-10-01	--	.7	327	7.3	20.0	--	60
25N03W23H01M	74-10-01	--	.7	260	7.5	22.0	--	80
25N03W35L01M	74-10-01	--	.2	494	7.1	20.0	--	0
25N03W36L01M	74-10-01	--	1.2	373	7.6	19.0	--	180

Table 3.--*Results of analyses for specific chemical constituents*

Constituents, dissolved, in µg/l	State well number					
	11N/1E-7G1	14N/2W-6F1	14N/3W-23K1	19N/3W-4L1	19N/3W-9R1	25N/3W-14J1
NH_4 as N	30	10	40	10	10	0.0
NH_4 as HH_4	40	10	50	10	10	0.0
Cadmium	--	<1	<1	0.0	0.0	0.0
Chromium	0.0	20	0.0	0.0	0.0	0.0
Cobalt	--	0.0	0.0	0.0	0.0	0.0
Copper	--	0.0	1	1	2	0.0
Organic Carbon	1200	--	--	1000	1200	2800
Lead	--	0.0	4	2	2	3
Lithium	10	0.0	25	0.0	0.0	0.0
Mercury	--	0.0	0.0	0.9	0.0	0.1
Molybdenum	4	0.0	1	3	2	0.0
Nickel	--	0.0	3	0.0	0.0	4
Selenium	1	1	2	0.0	0.0	0.0
Strontium	430	490	720	340	420	280
Vanadium	25	3.2	6.8	10	12	7.3
Zinc	10	10	0.0	0.0	0.0	10

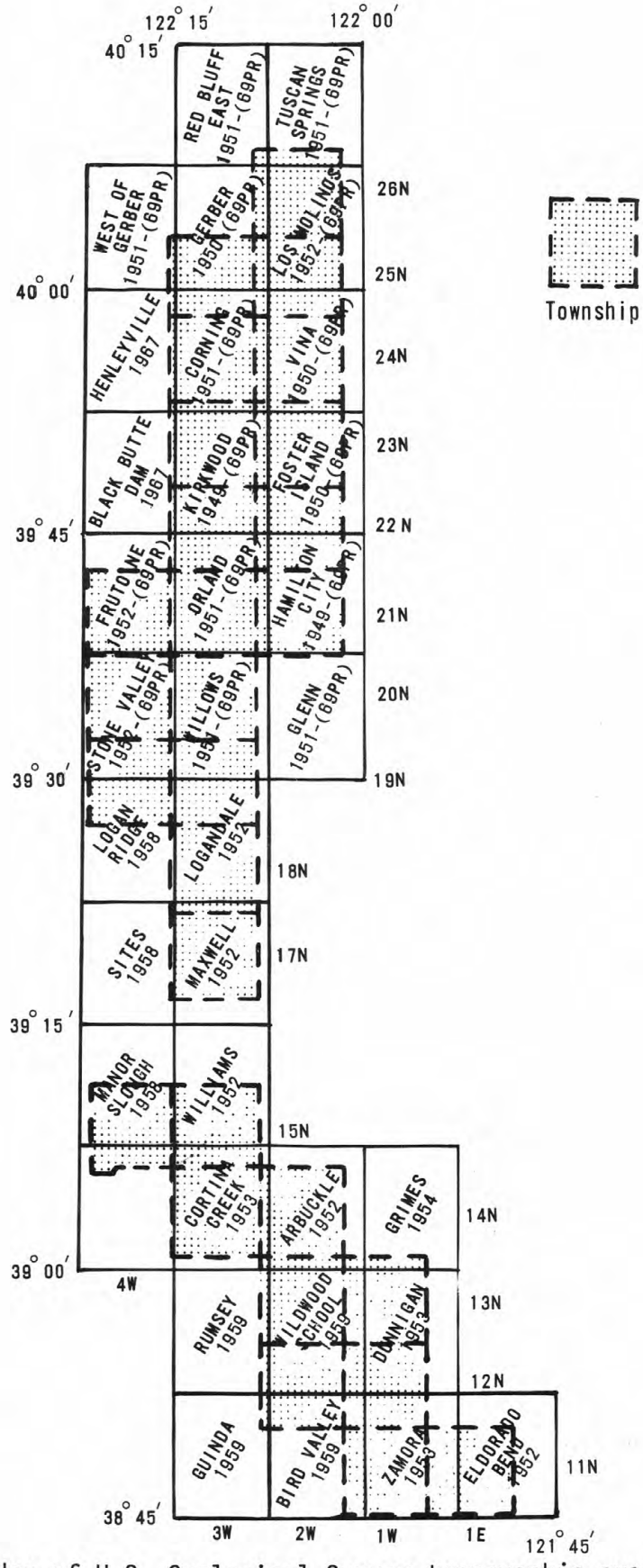


FIGURE 3.--Index of U.S. Geological Survey topographic quadrangle maps, 7½ minute series; shading covers area of 28 township base maps.

Table 4.--*Index to township maps*

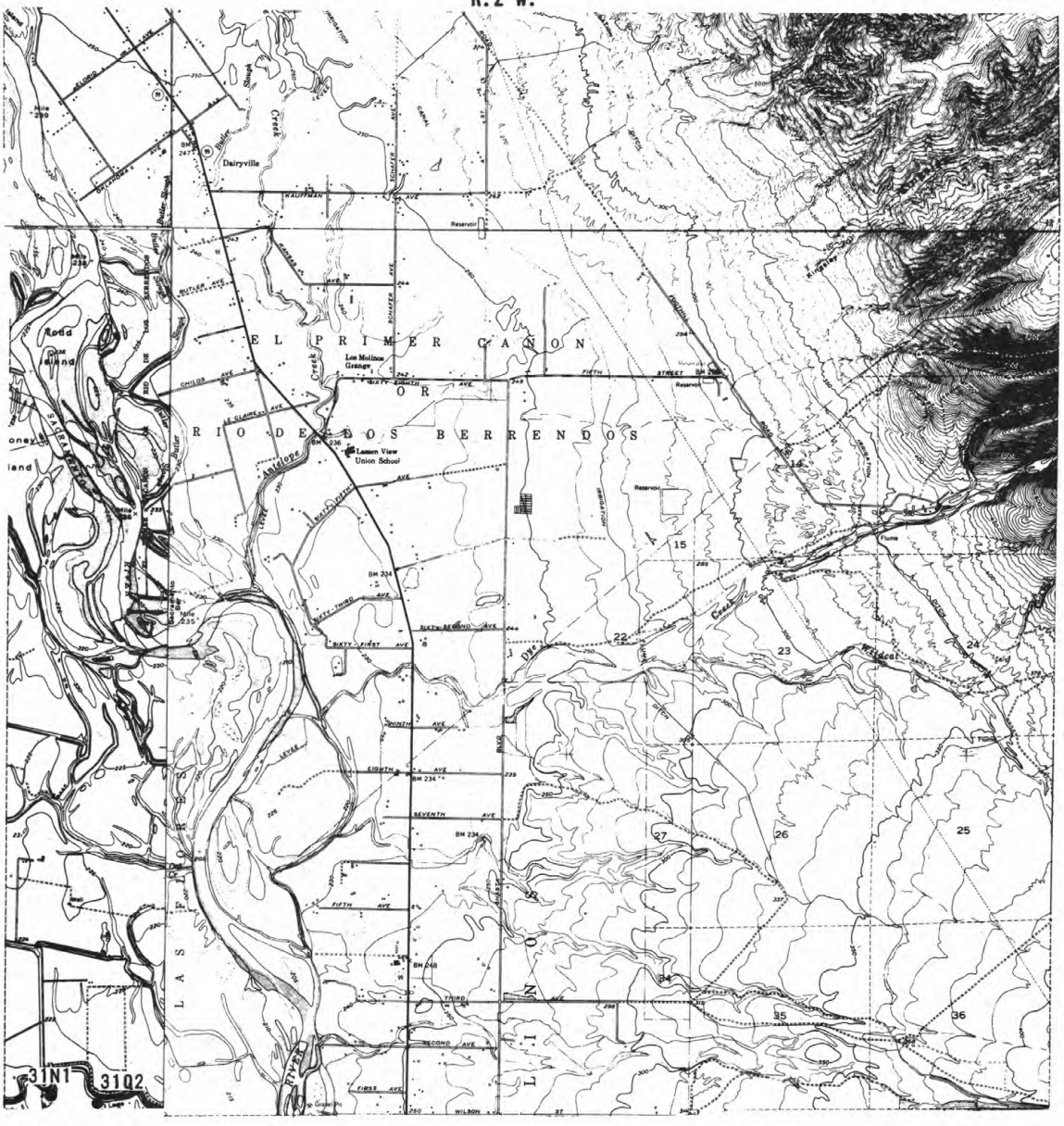
[Map numbers correspond to small index maps on maps 1-28]

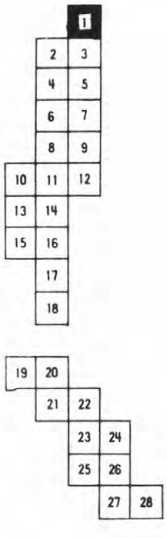
Township/Range	Map number	Township/Range	Map number
26N/2W	1	19N/4W	15
		19N/3W	16
25N/3W	2		
25N/2W	3	18N/3W	17
24N/3W	4	17N/3W	18
24N/2W	5		
		15N/4W	19
23N/3W	6	15N/3W	20
23N/2W	7		
		14N/3W	21
22N/3W	8	14N/2W	22
22N/2W	9		
		13N/2W	23
21N/4W	10	13N/1W	24
21N/3W	11		
21N/2W	12	12N/2W	25
		12N/1W	26
20N/4W	13		
20N/3W	14	11N/1W	27
		11N/1E	28

MAP 1

R.2 W.

T. 26 N.





Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

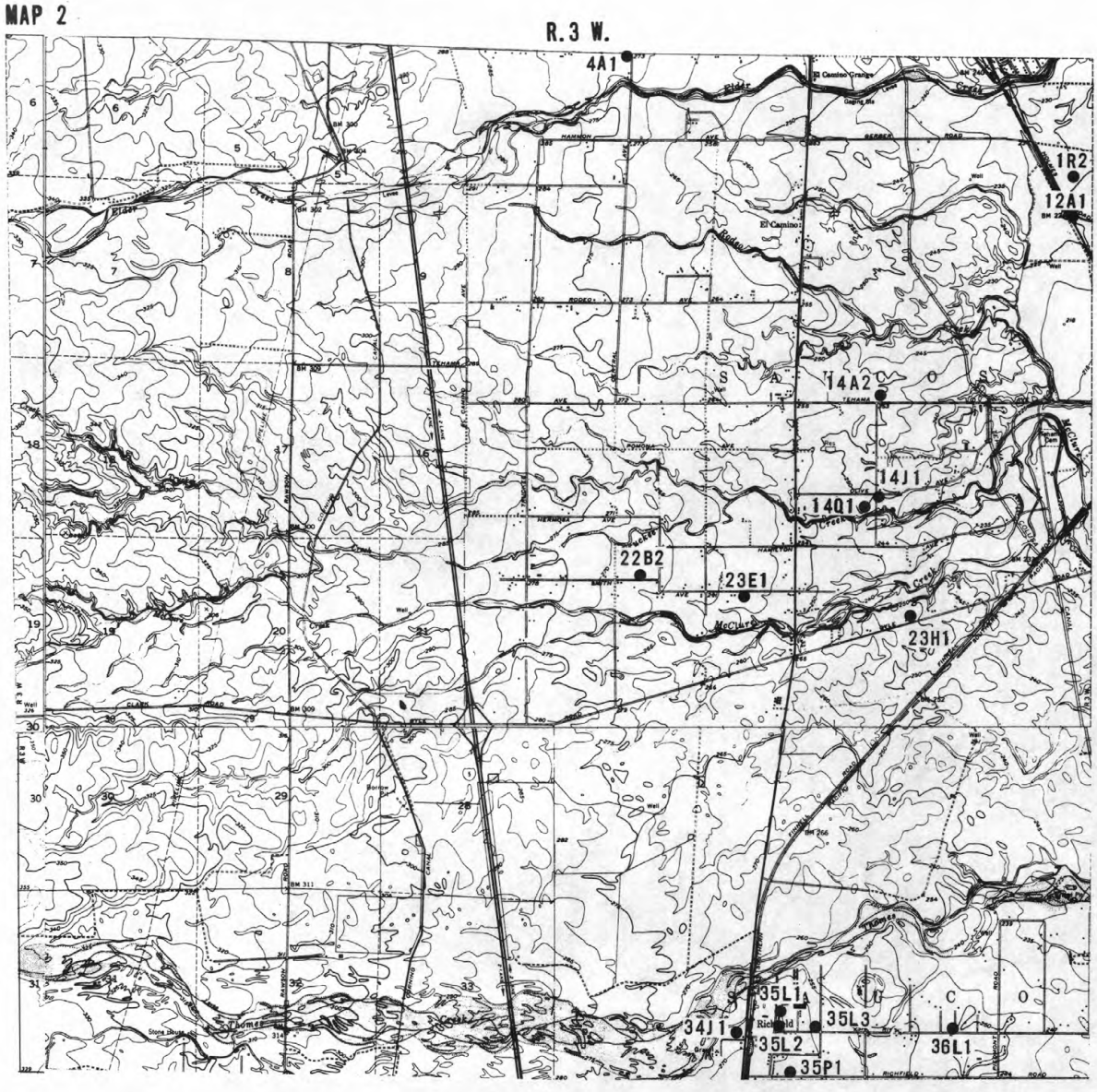
EXPLANATION

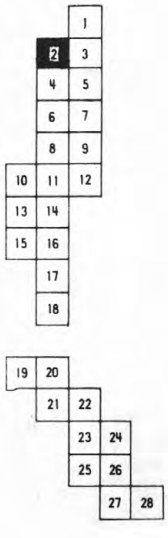
A1
Well location

Site of destroyed well

0 1 2 MILES
0 1 2 3 KILOMETRES

MAP 2





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EXPLANATION

A1

Well location

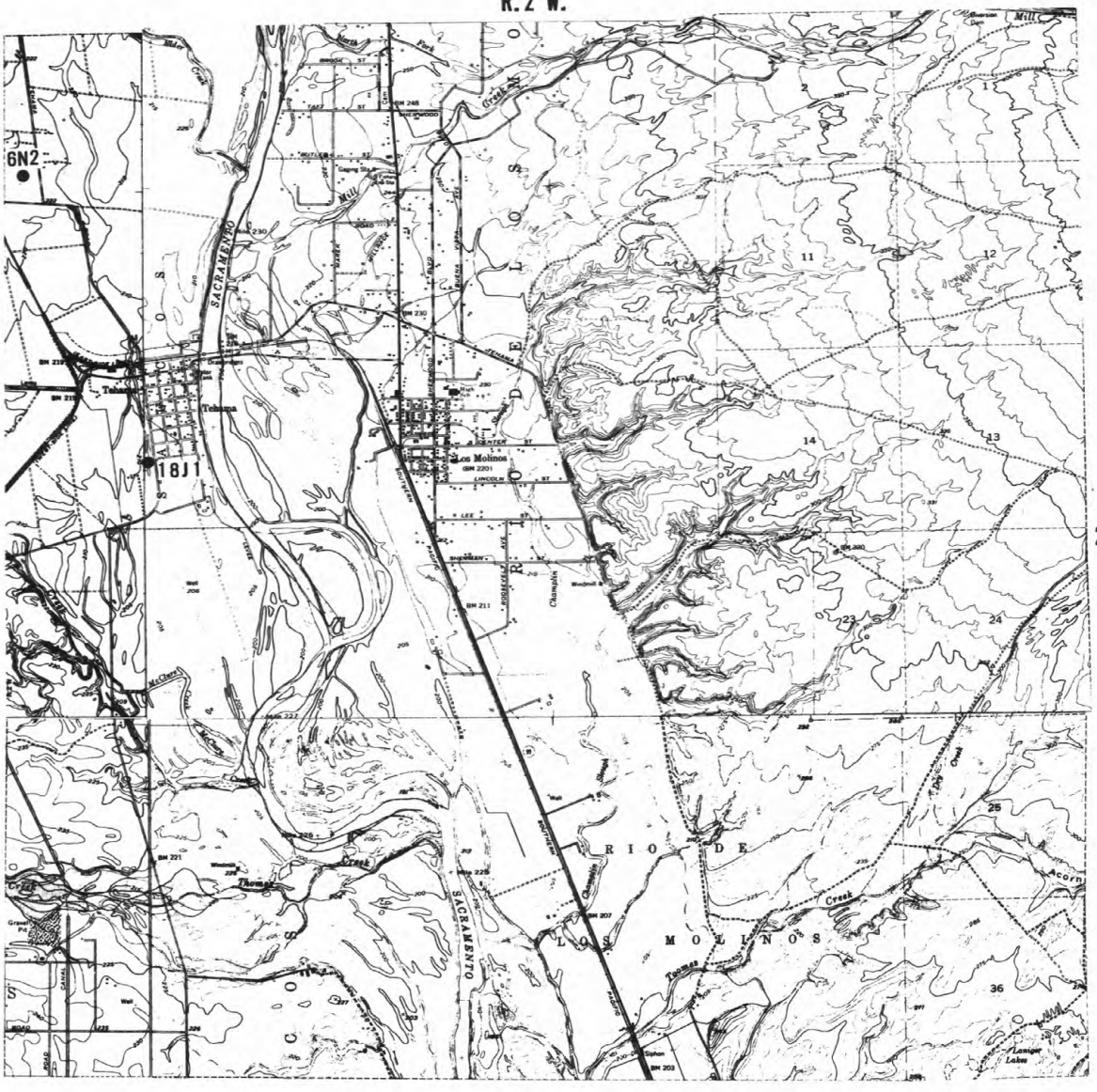
Site of destroyed well

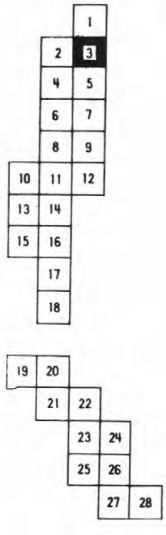
0 1 2 MILES

0 1 2 3 KILOMETRES

MAP 3

R. 2 W.





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EXPLANATION

A1
Well location

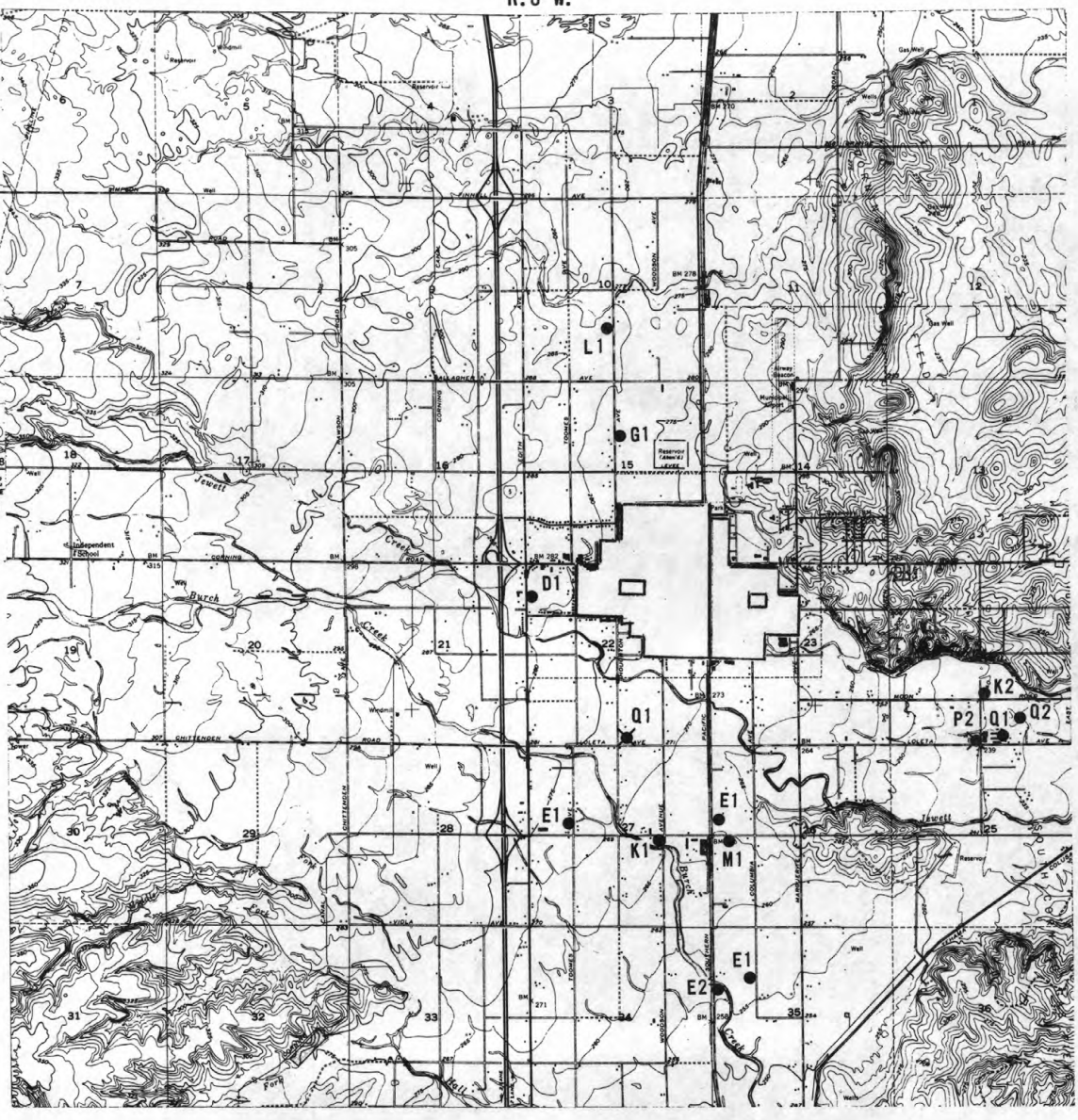
Site of destroyed well

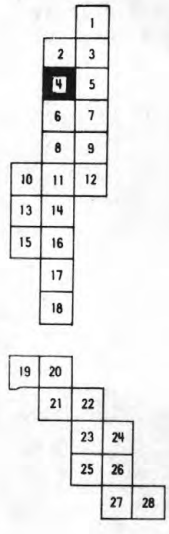
0 1 2 MILES
0 1 2 3 KILOMETRES

MAP 4

R.3 W.

T. 24 N.





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EXPLANATION

A1

Well location

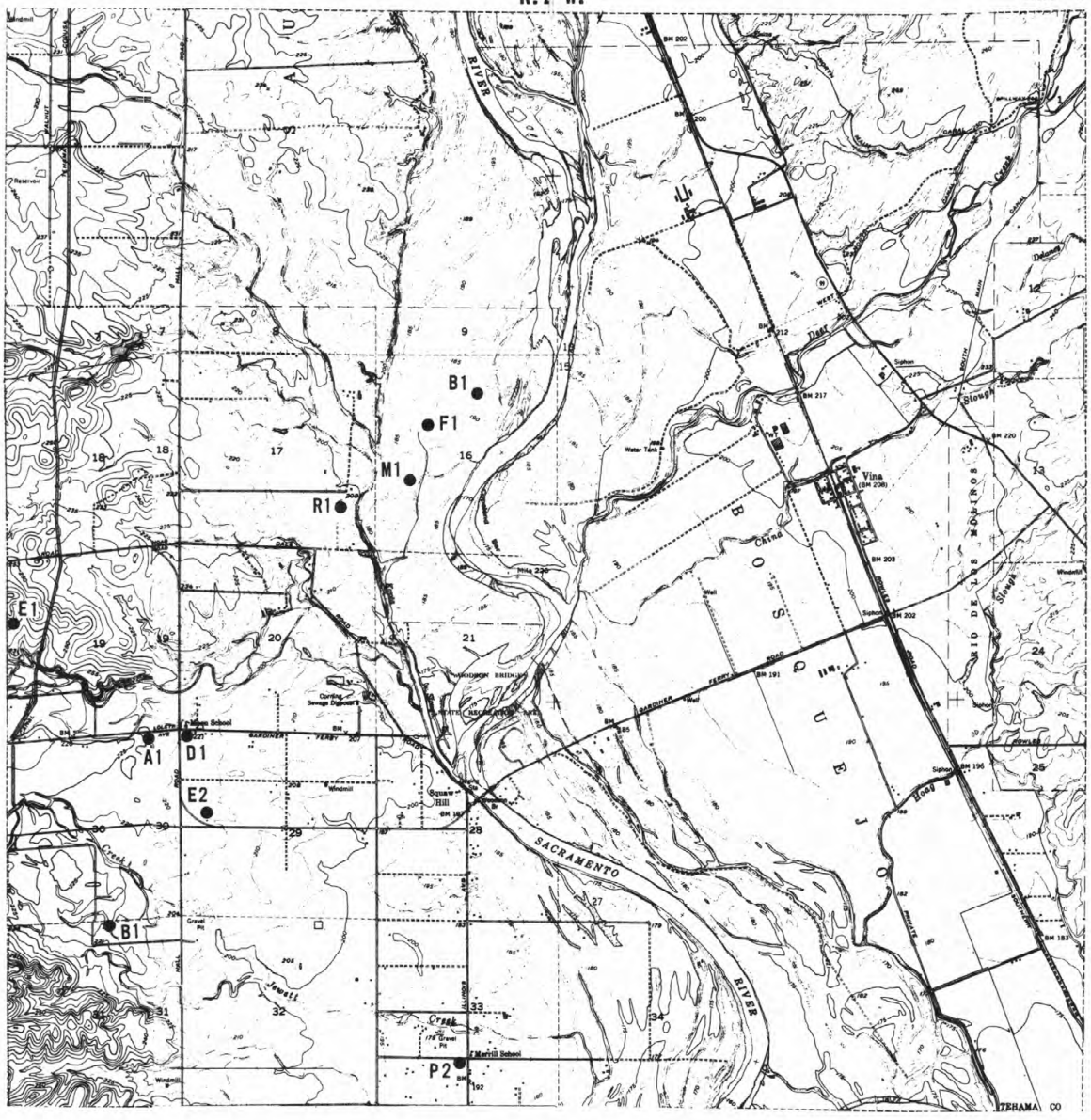
Site of destroyed well

0 1 2 MILES

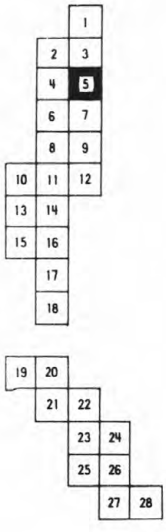
0 1 2 3 KILOMETRES

R. 2 W.

MAP 5



T. 24 N.



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EXPLANATION

A1
Well location

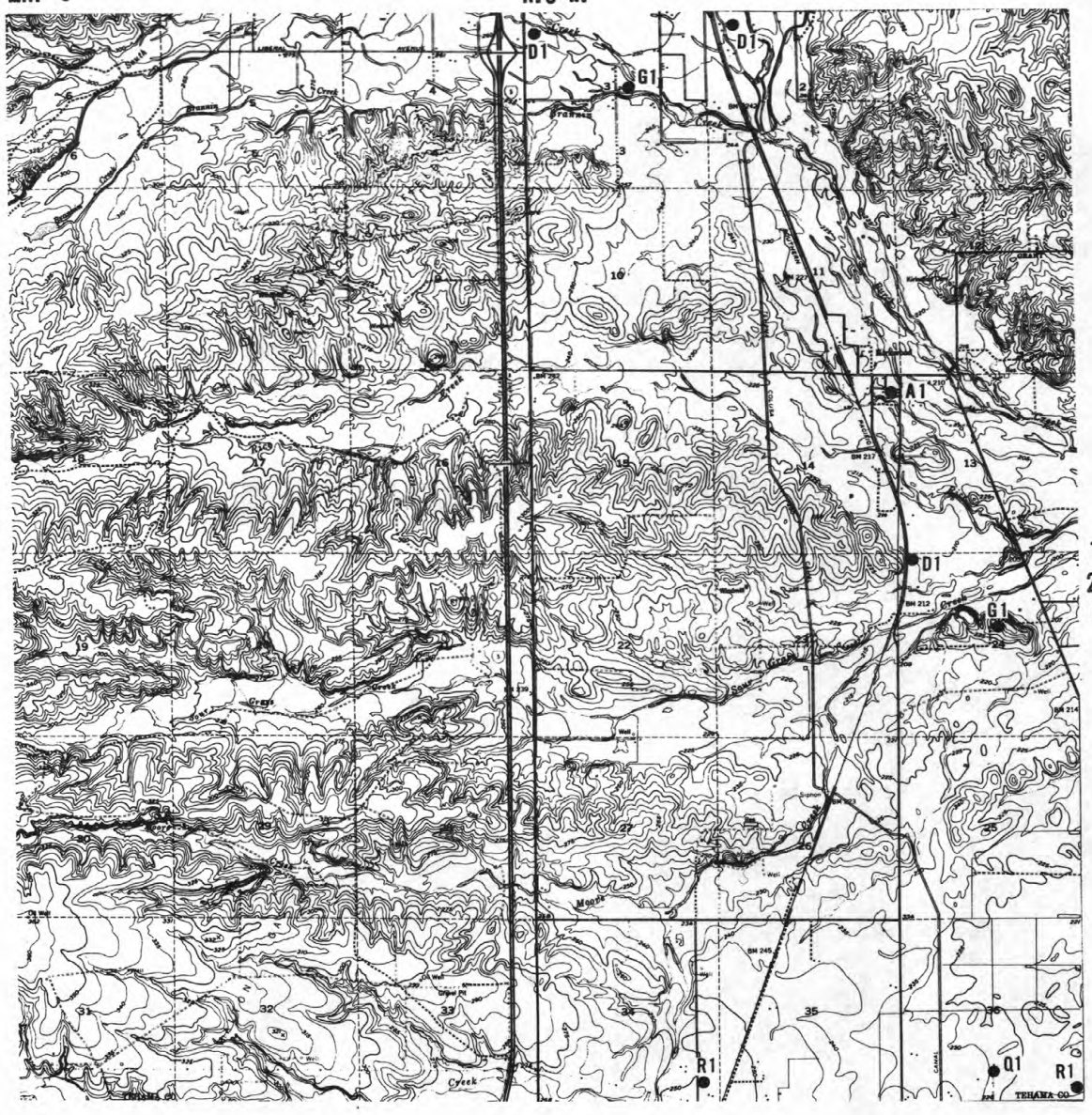
Site of destroyed well

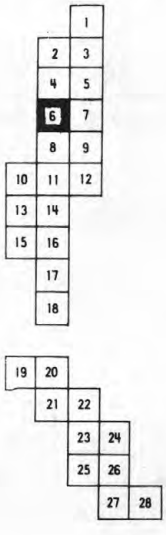
0 1 2 MILES

0 1 2 3 KILOMETRES

MAP 6

R.3 W.





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EXPLANATION

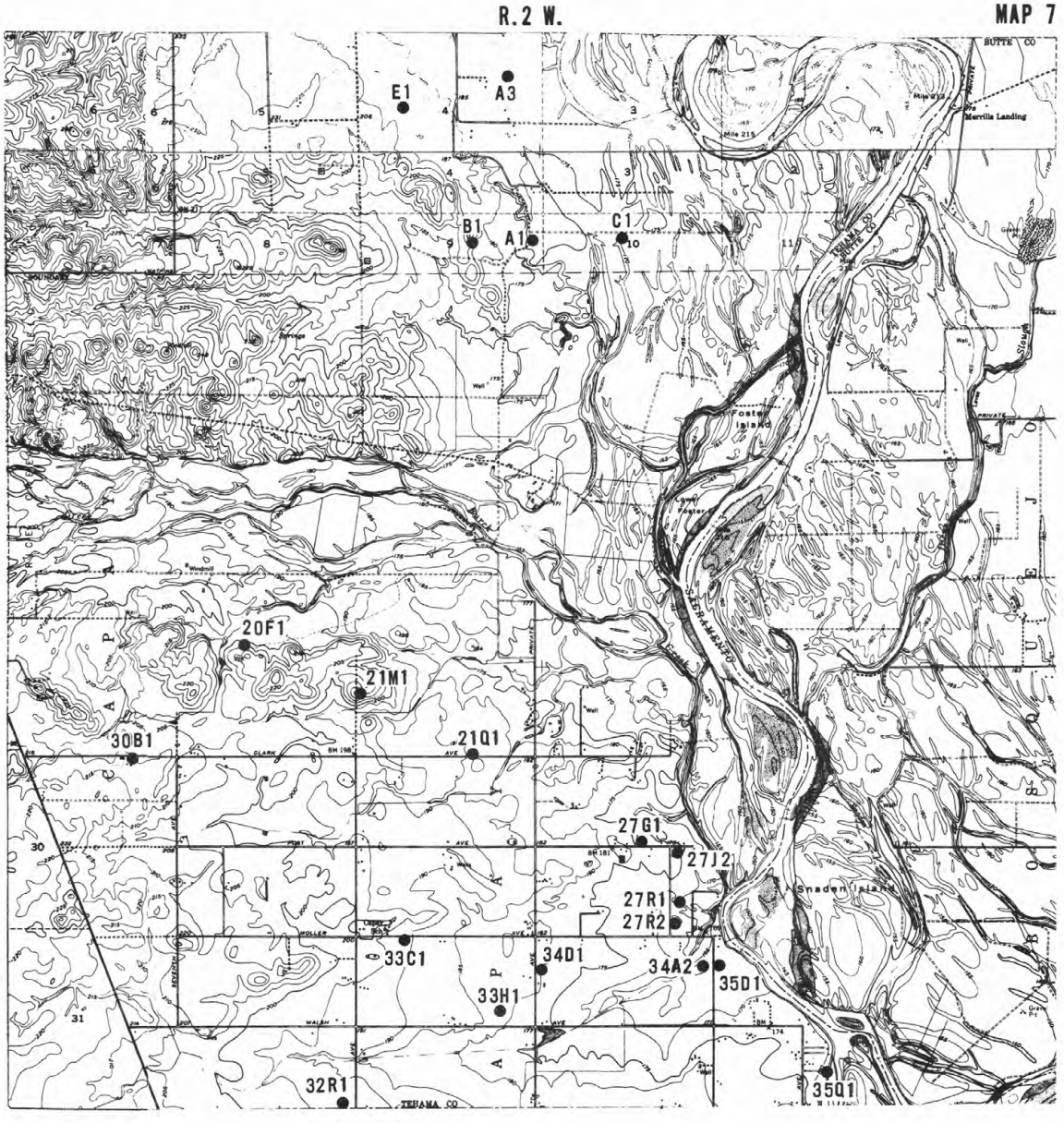
A1

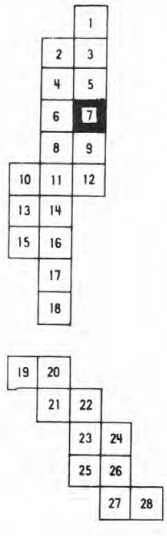
Well location

Site of destroyed well

0 1 2 MILES

0 1 2 3 KILOMETRES





Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

EXPLANATION

A1

Well location

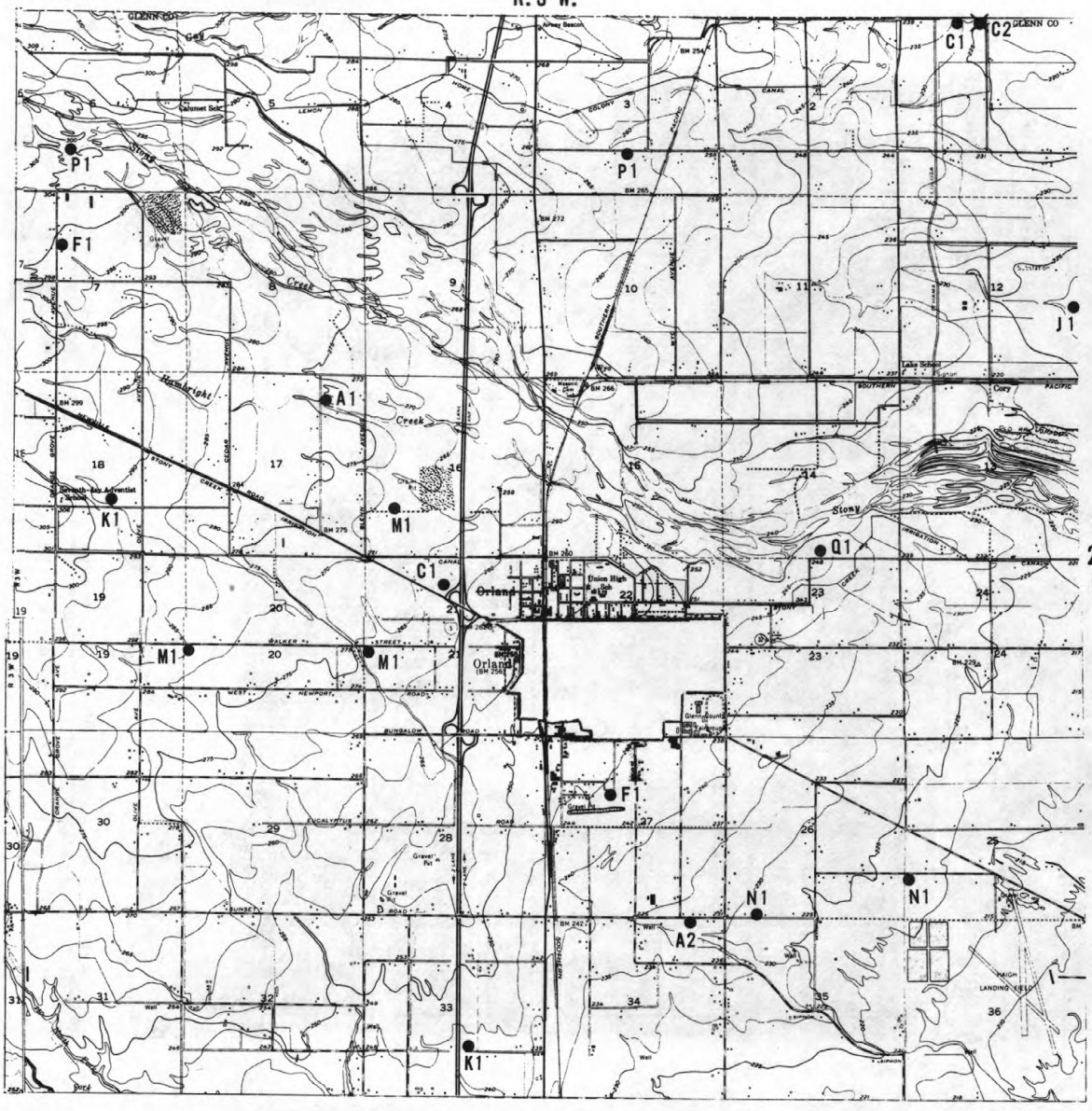
Site of destroyed well

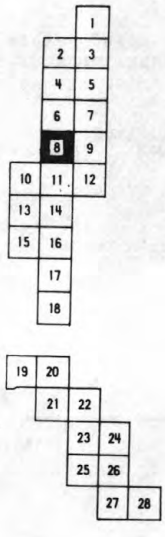
0 1 2 MILES

0 1 2 3 KILOMETRES

MAP 8

R. 3 W.





Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

EXPLANATION

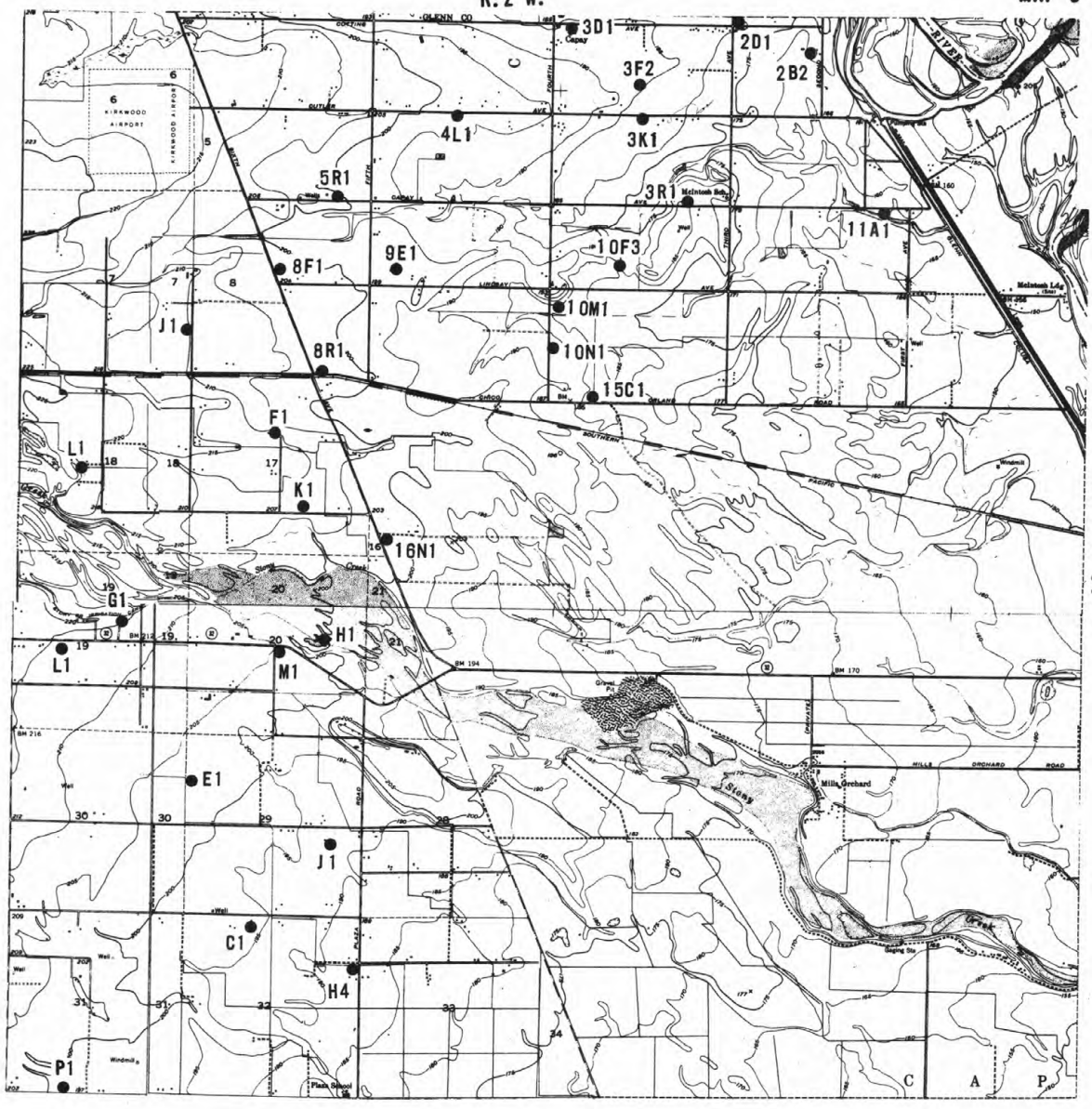
A1
Well location

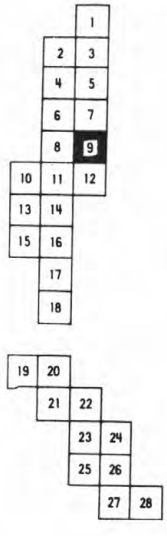
Site of destroyed well

0 1 2 MILES
0 1 2 3 KILOMETRES

R. 2 W.

MAP 9





Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

EXPLANATION

A1

Well location

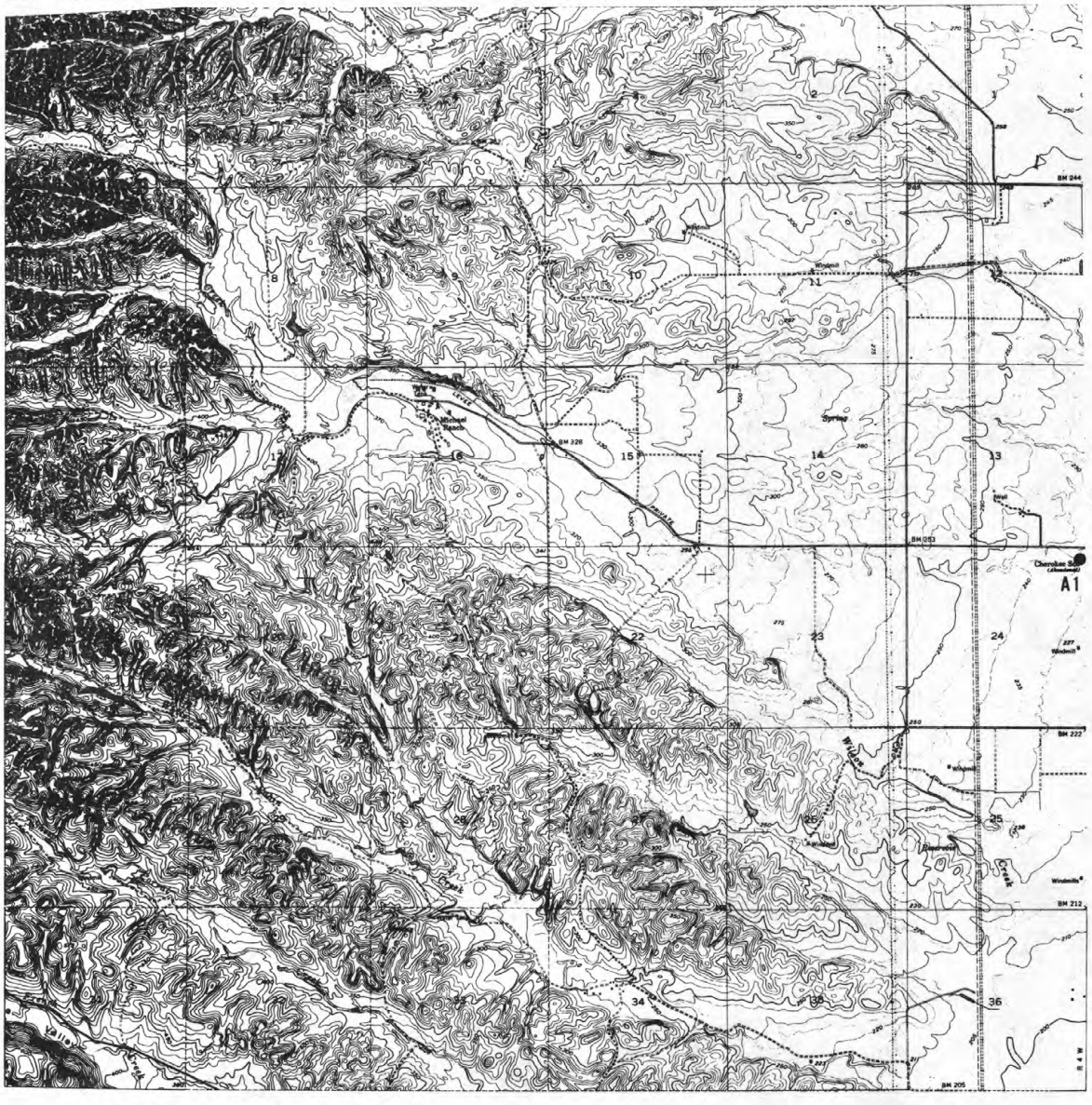
Site of destroyed well

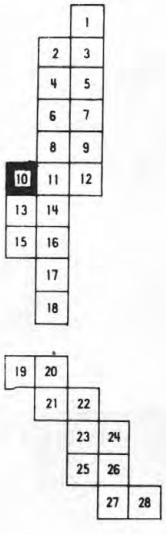
0 1 2 MILES

0 1 2 3 KILOMETRES

MAP 10

R. 4 W.





Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

EXPLANATION

A1

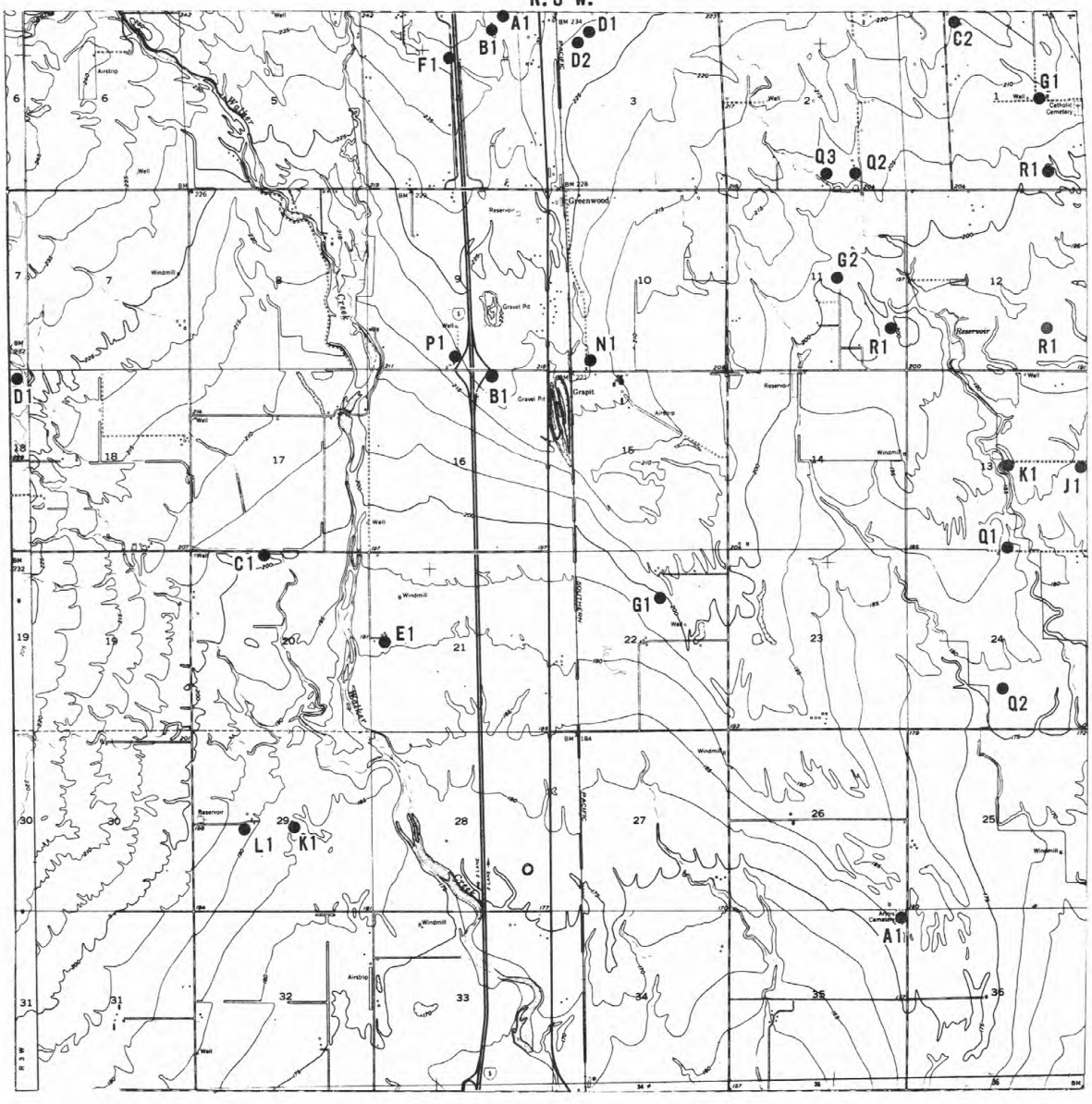
Well location

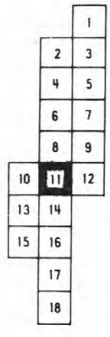
Site of destroyed well

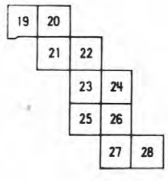
0 1 2 MILES

0 1 2 3 KILOMETRES

MAP 11







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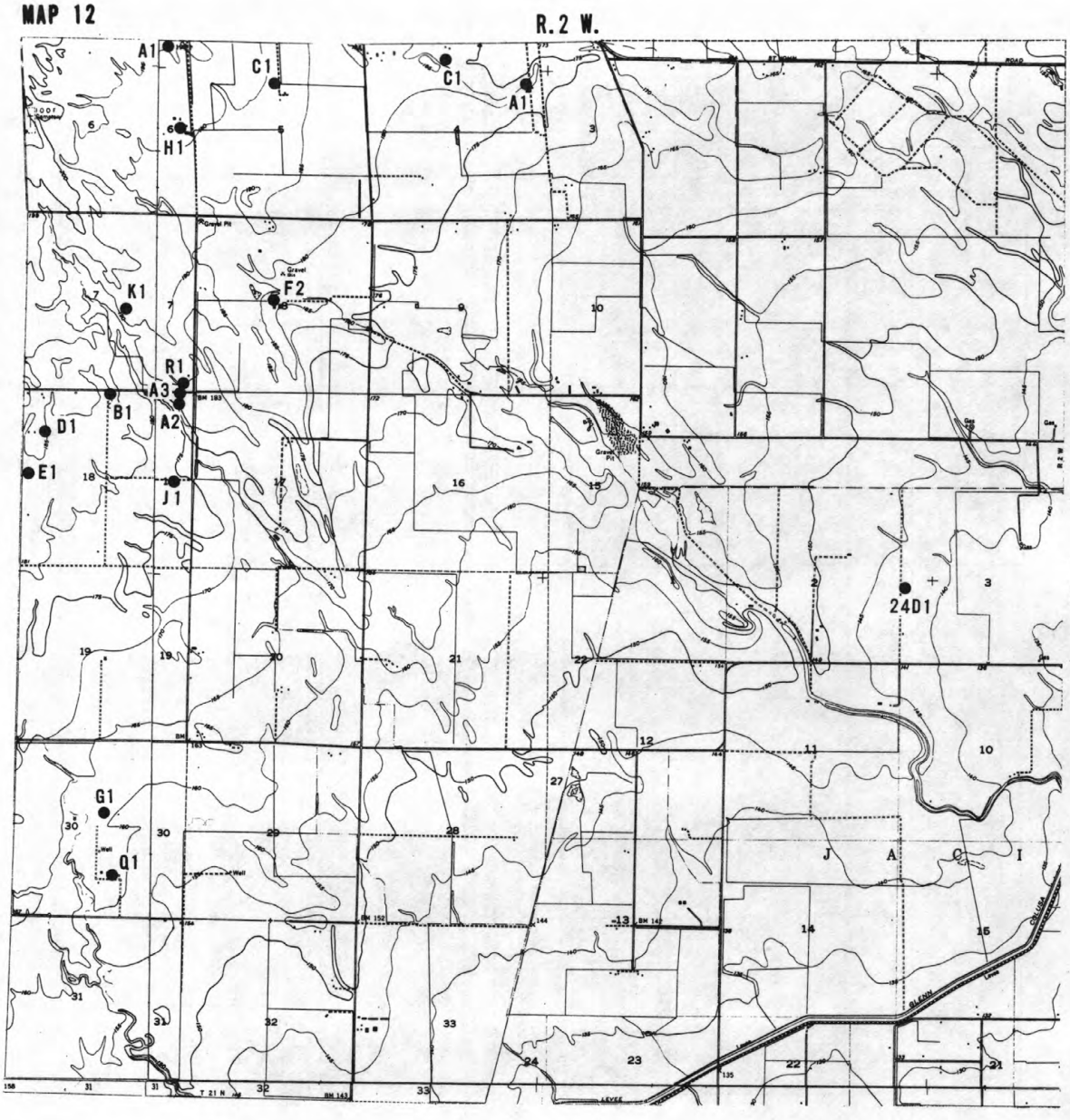
EXPLANATION

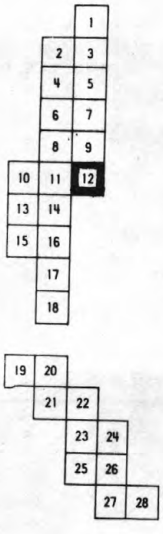
A1
Well location

Site of destroyed well

0 1 2 MILES
0 1 2 3 KILOMETRES

MAP 12





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EXPLANATION

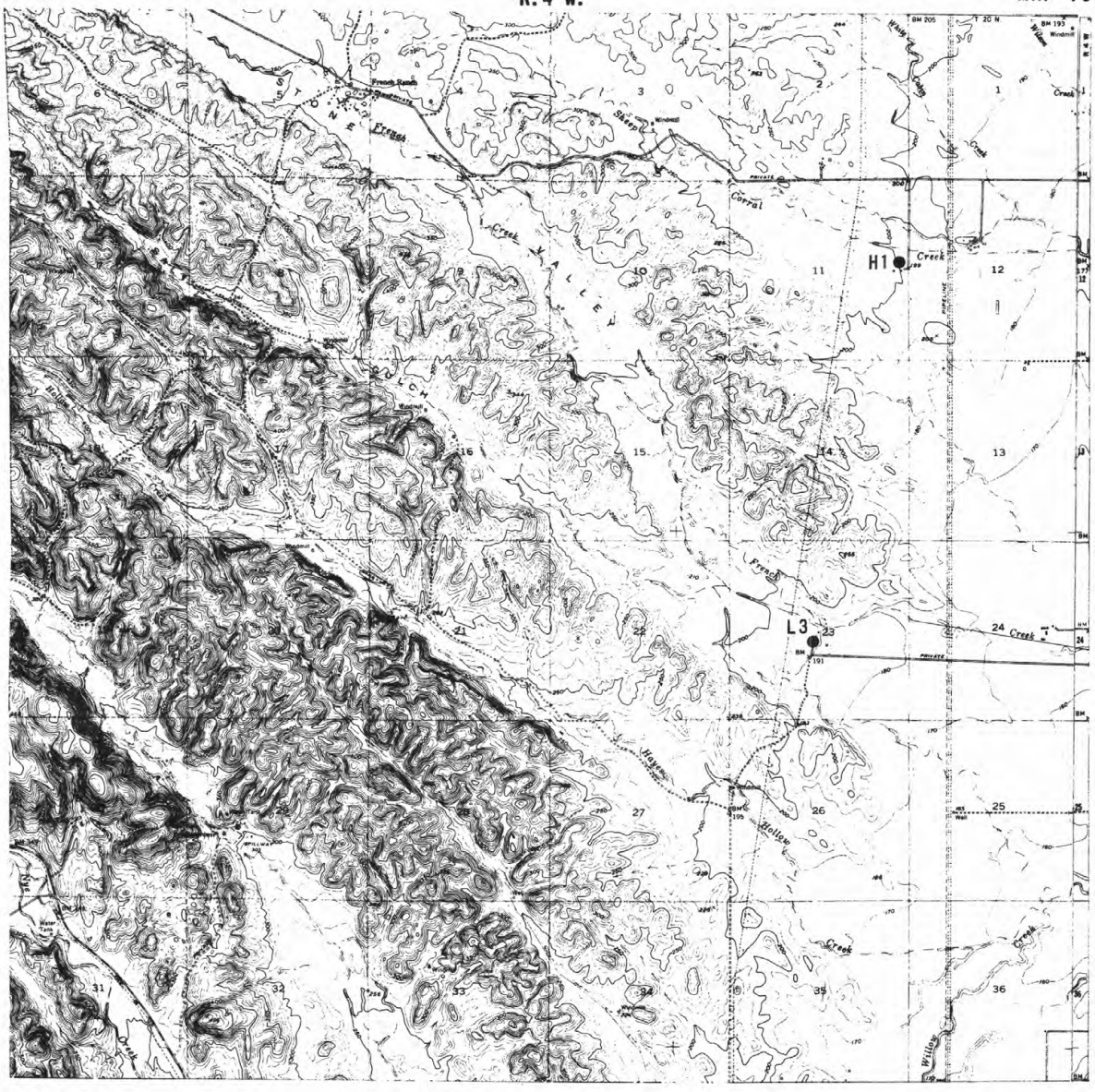
A1
Well location

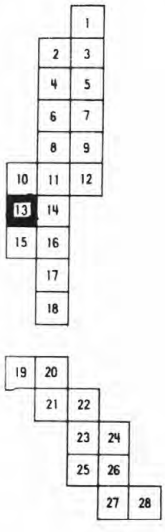
Site of destroyed well

0 1 2 MILES
0 1 2 3 KILOMETRES

R. 4 W.

MAP 13





Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

EXPLANATION

A1

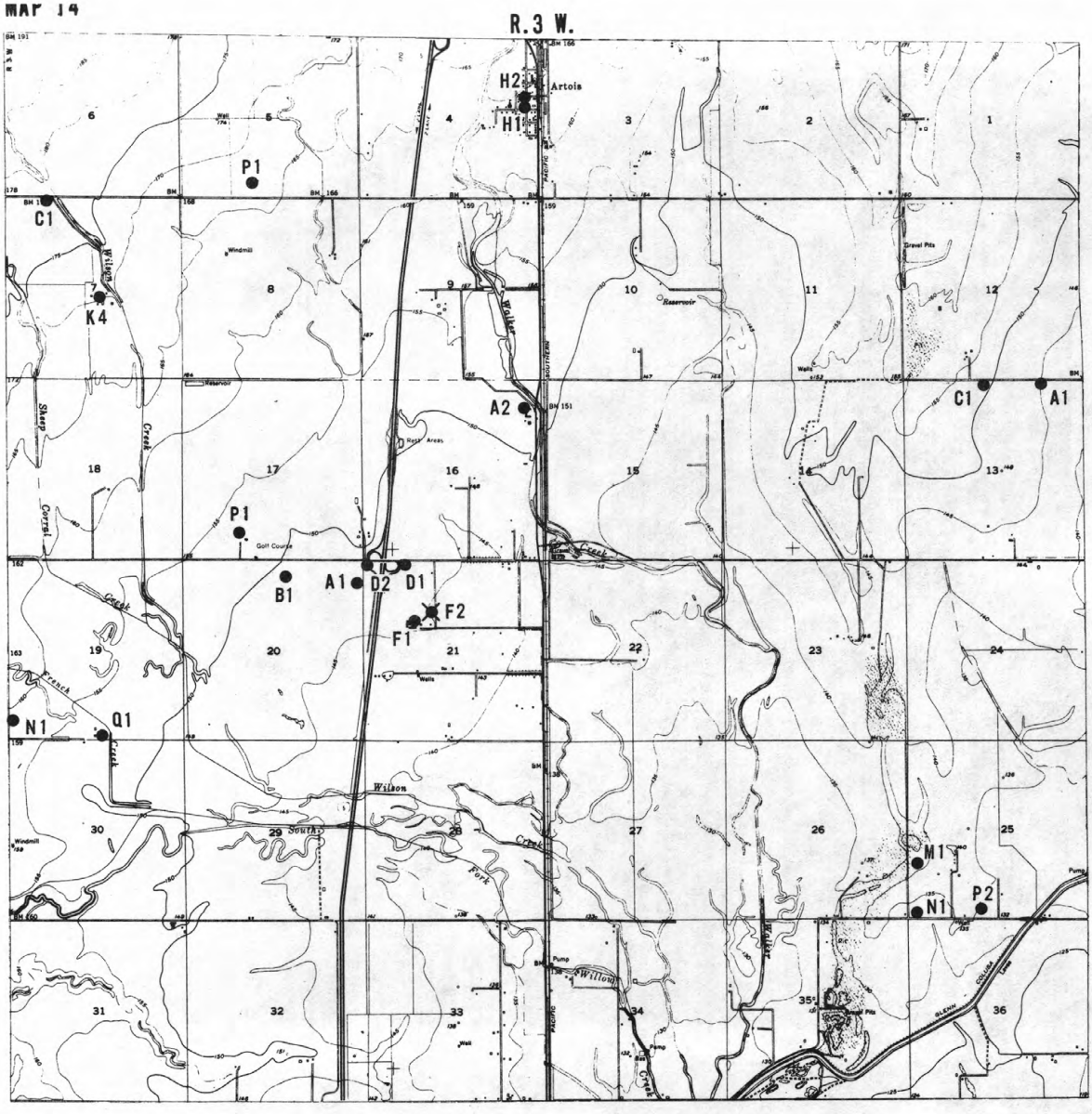
Well location

Site of destroyed well

0 1 2 MILES

0 1 2 3 KILOMETRES

MAP 14



Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

EXPLANATION

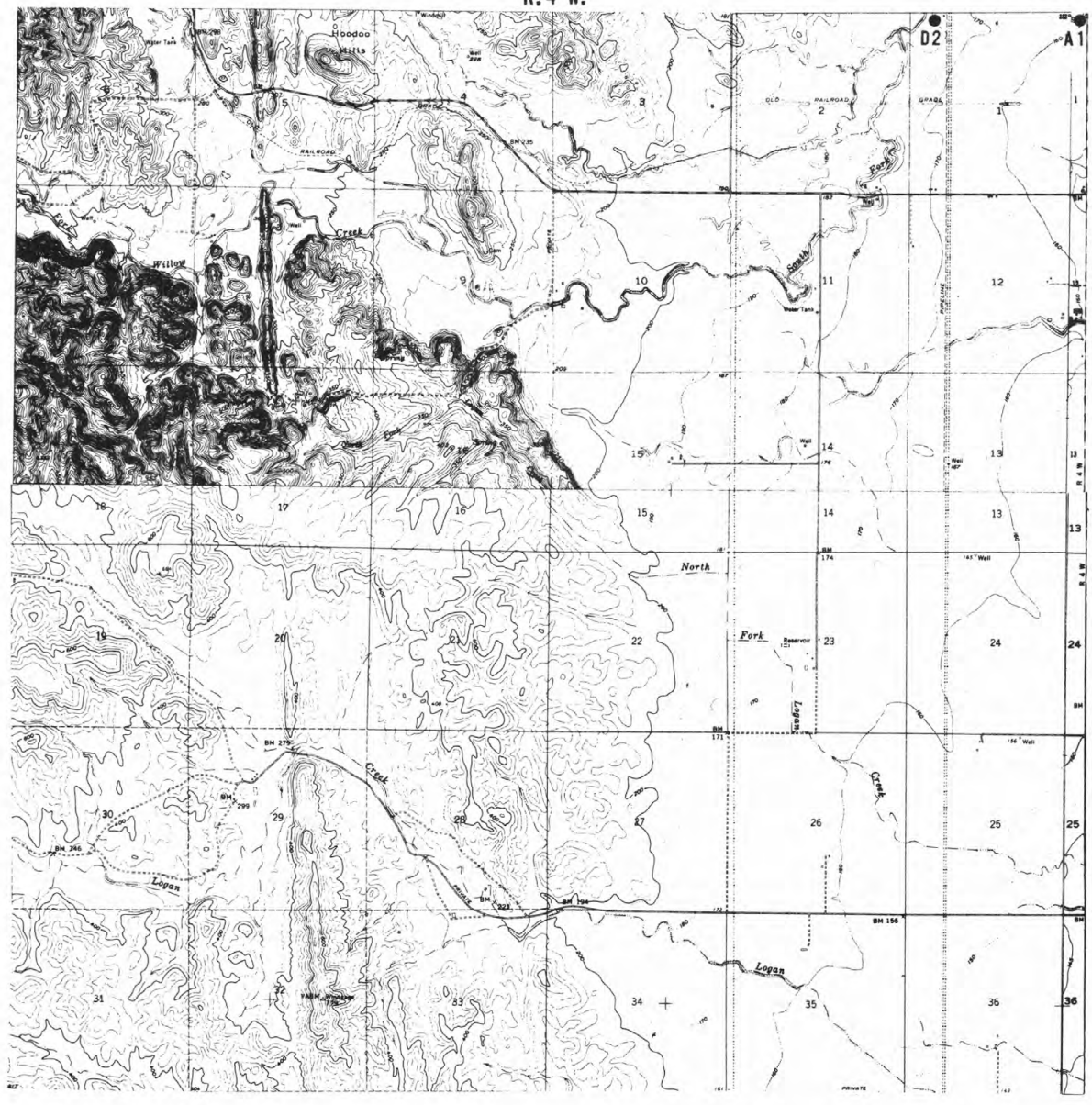
A1
Well location

Site of destroyed well

0 1 2 MILES
0 1 2 3 KILOMETRES

R. 4 W.

T. 19 N.



Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

EXPLANATION

A1
Well location

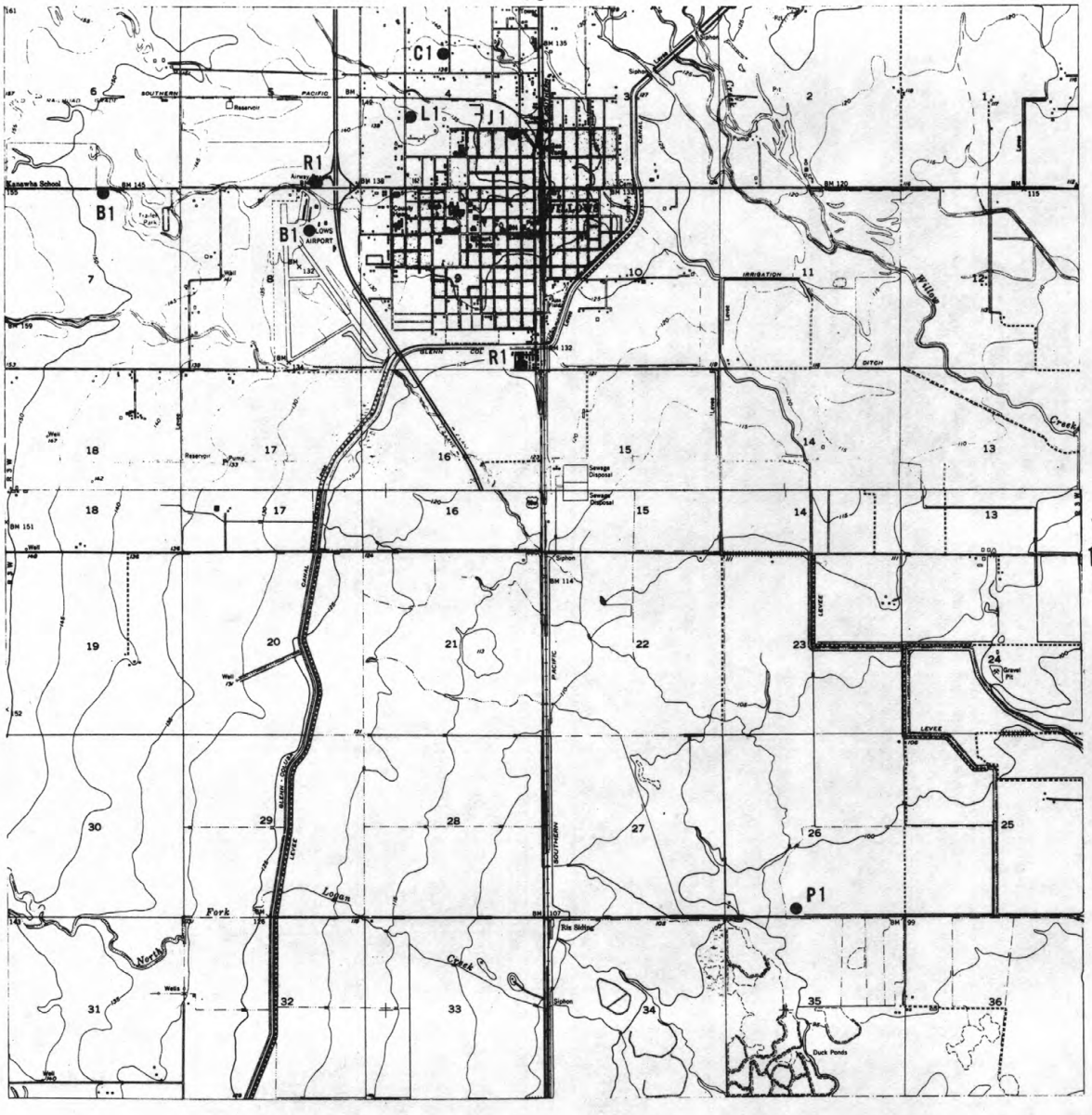
Site of destroyed well

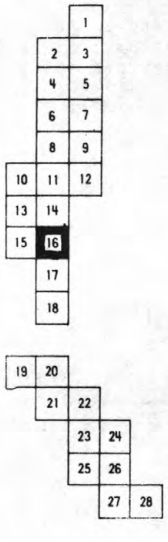
0 1 2 MILES
0 1 2 3 KILOMETRES

MAP 16

R. 3 W.

T. 19 N.





Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

EXPLANATION

A1

Well location

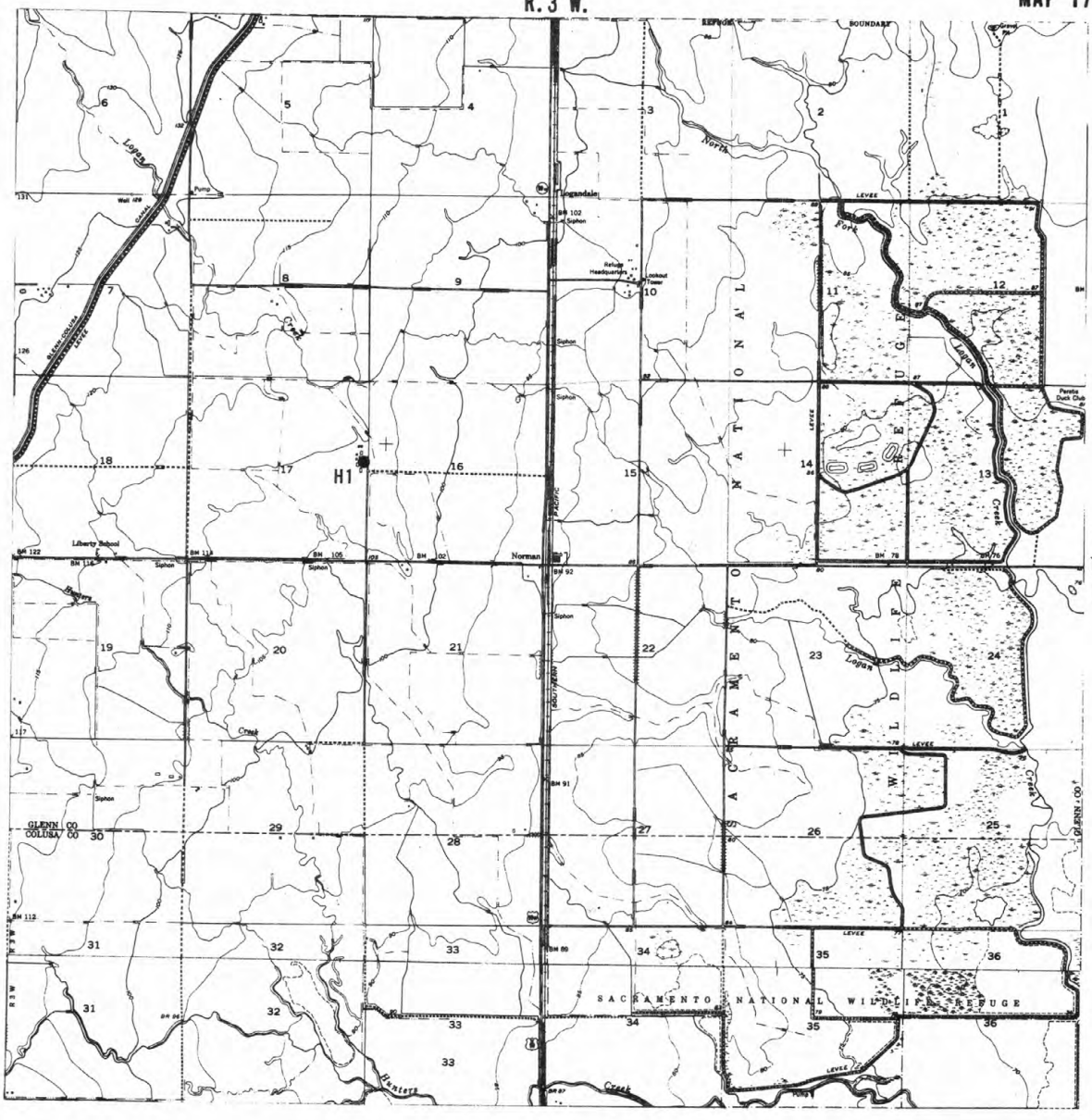
Site of destroyed well

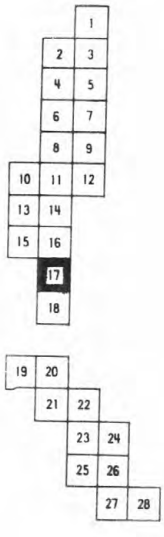
0 1 2 MILES

0 1 2 3 KILOMETRES

R. 3 W.

MAP 17





Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

EXPLANATION

A1

Well location

Site of destroyed well

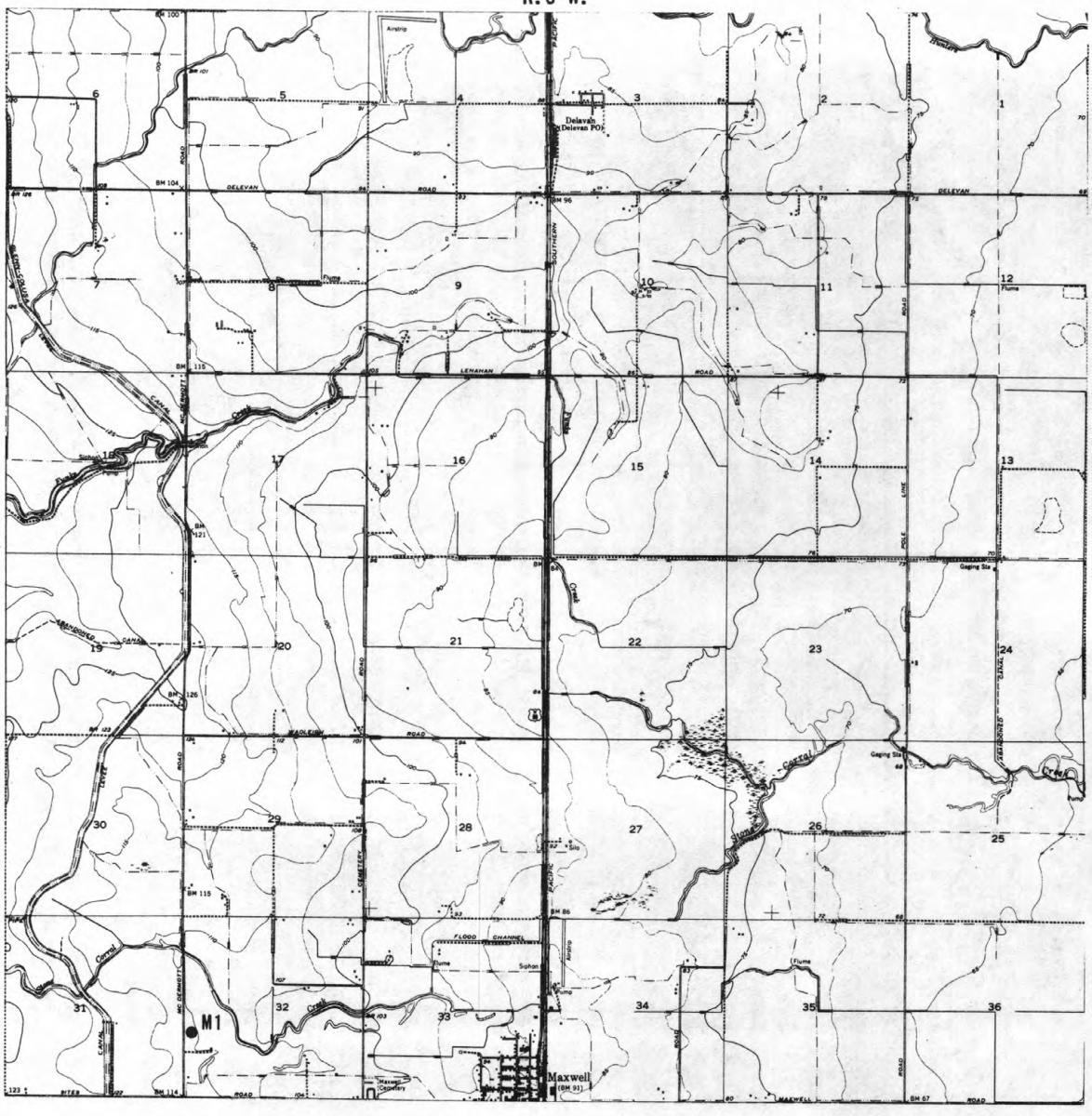
0 1 2 MILES

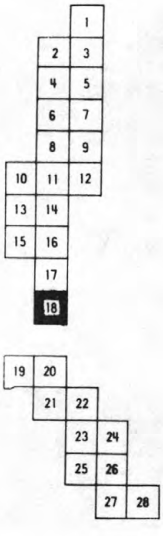
0 1 2 3 KILOMETRES

MAP 18

R. 3 W.

T. 17 N.





Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

EXPLANATION

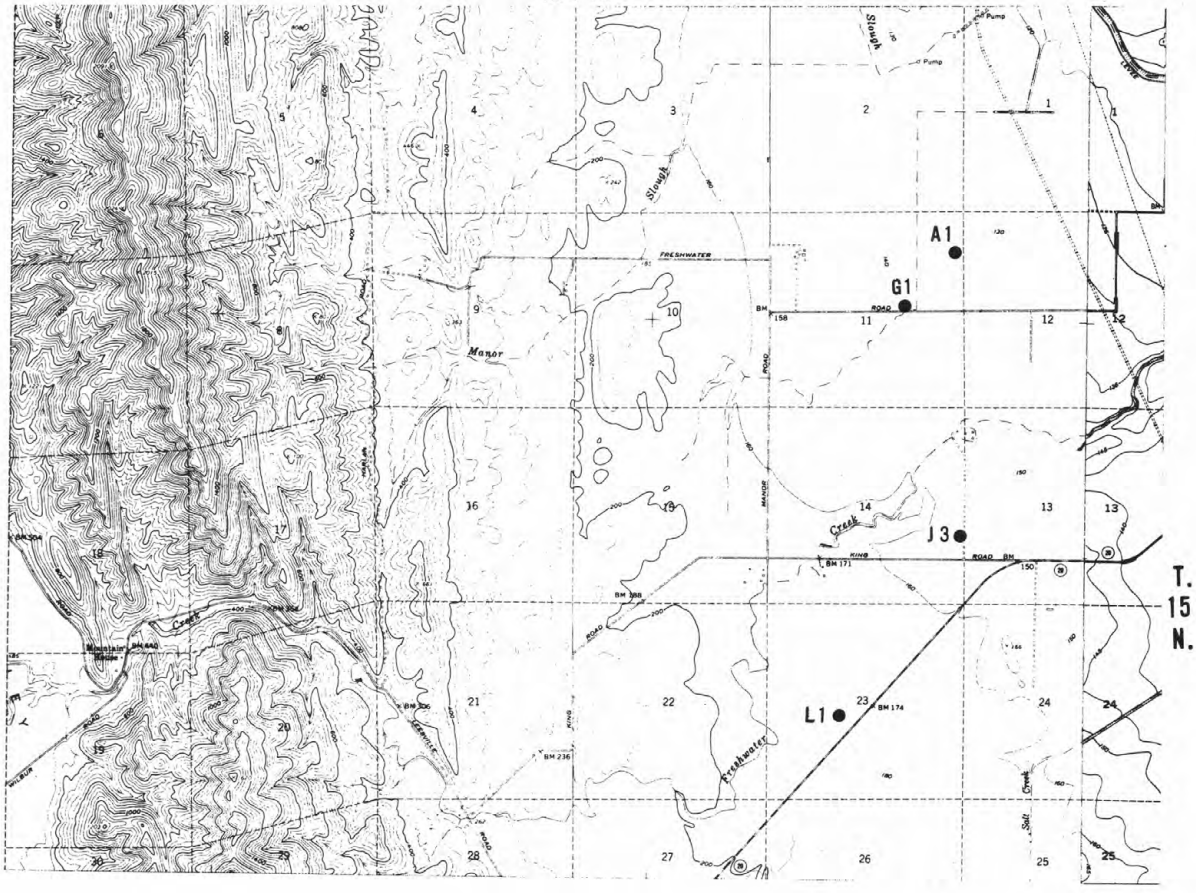
A1

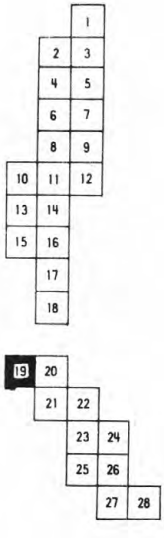
Well location

Site of destroyed well

0 1 2 MILES

0 1 2 3 KILOMETRES





Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

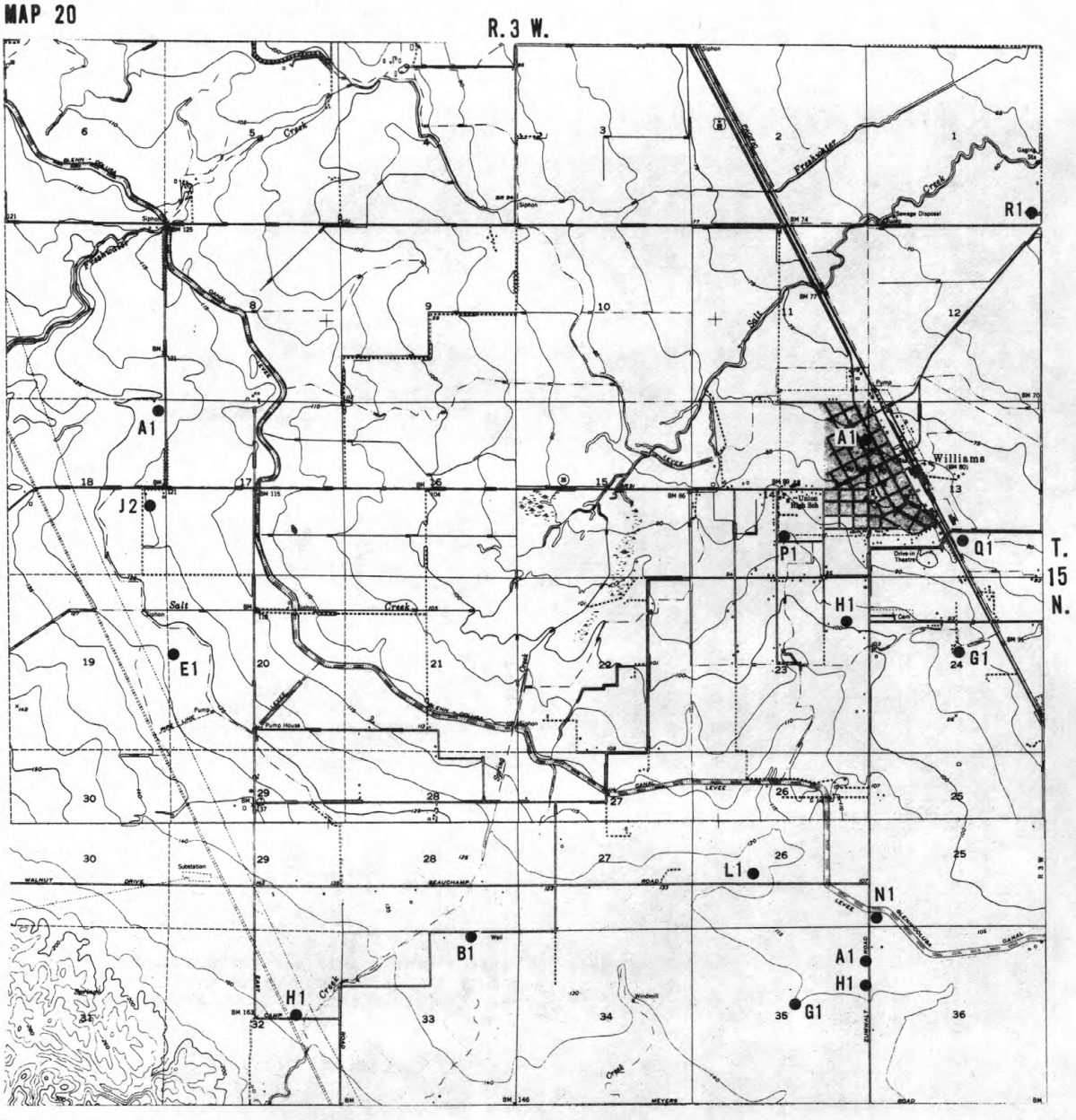
EXPLANATION

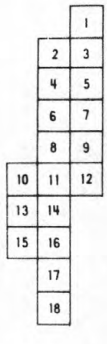
A1
Well location

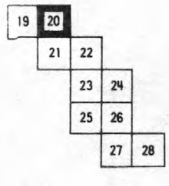
Site of destroyed well

0 1 2 MILES
0 1 2 3 KILOMETRES

MAP 20







Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

EXPLANATION

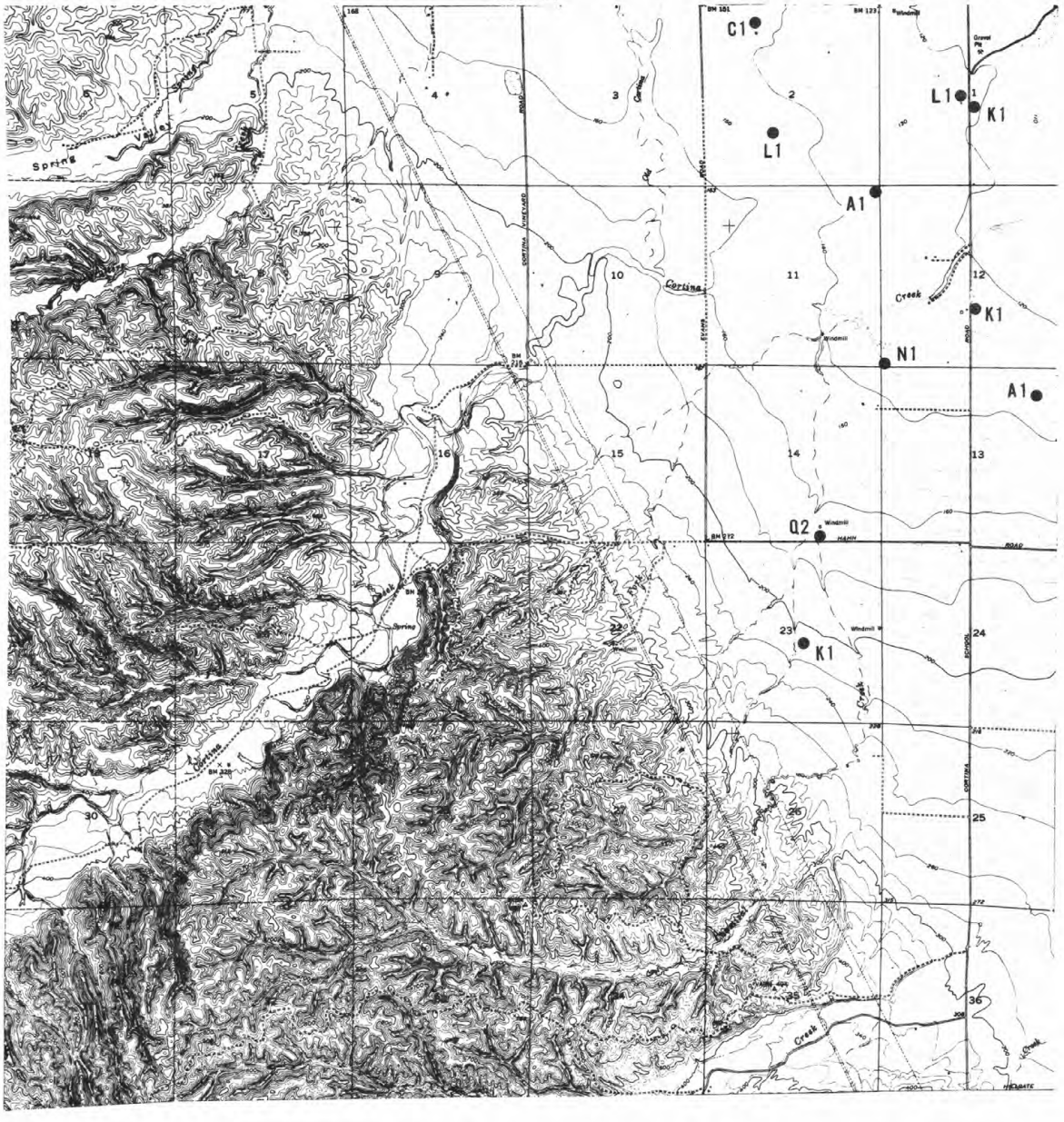
A1
Well location

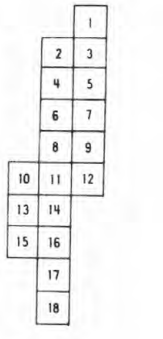
Site of destroyed well

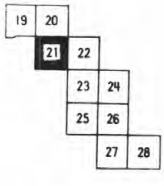
0 1 2 MILES
0 1 2 3 KILOMETRES

R.3 W.

MAP 21







Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

EXPLANATION

A1

Well location

Site of destroyed well

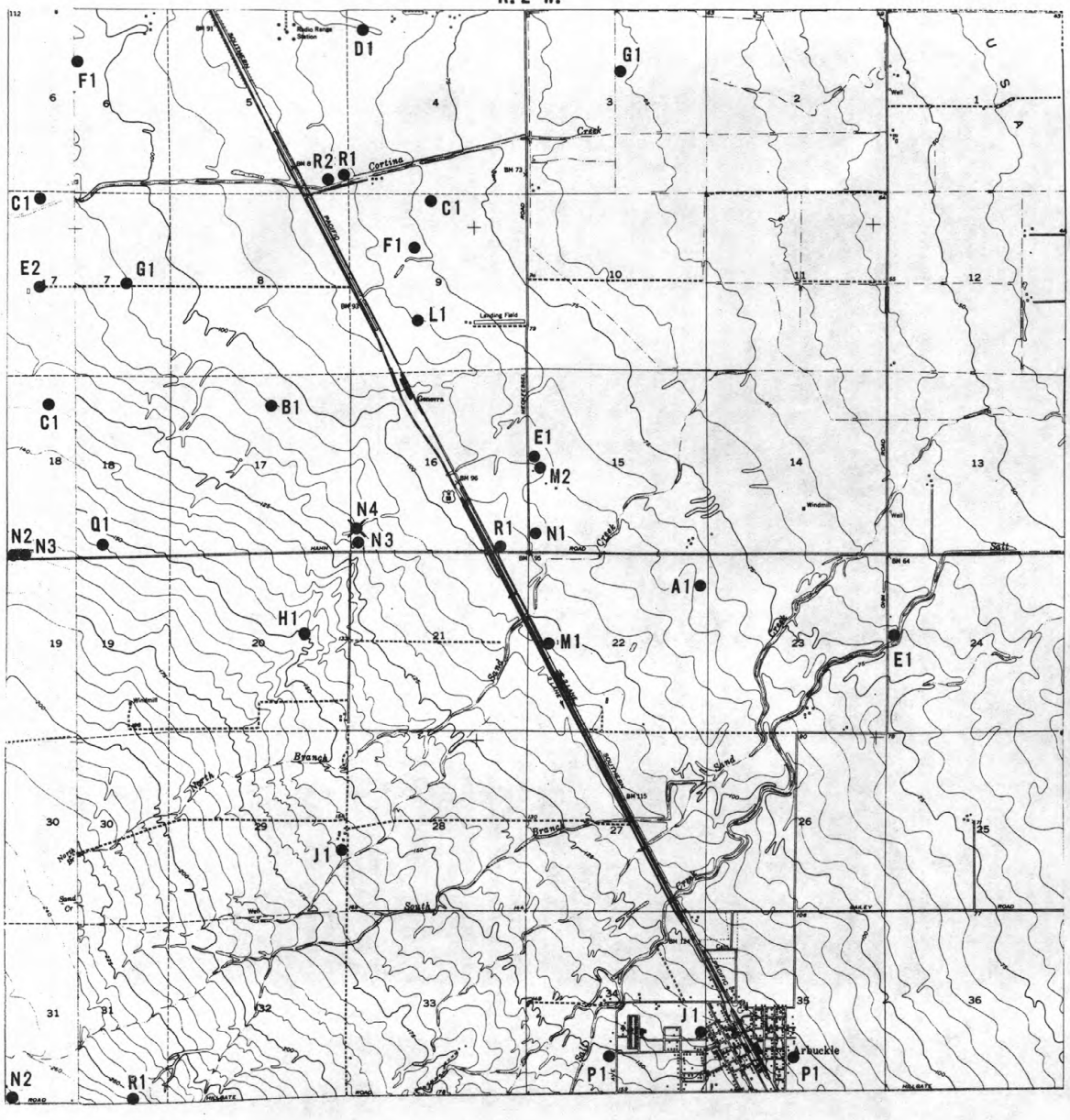
0 1 2 MILES

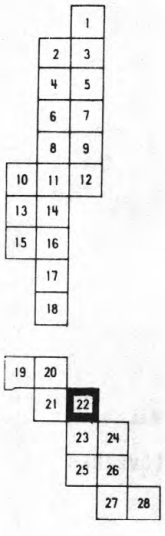
0 1 2 3 KILOMETRES

MAP 22

R. 2 W.

T. 14 N.





Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

EXPLANATION

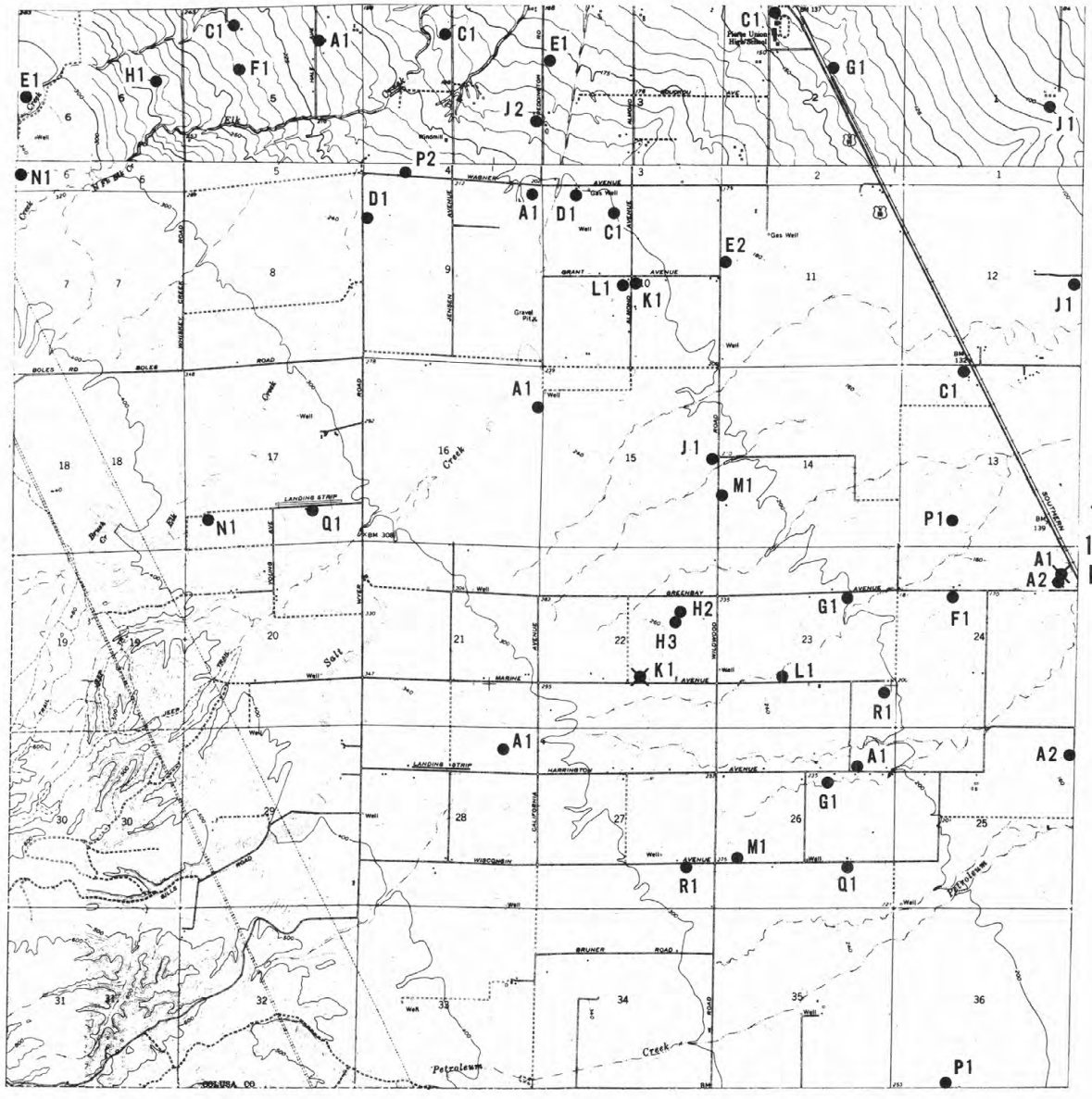
A1
Well location

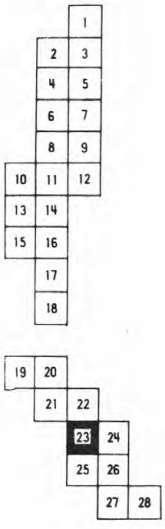
Site of destroyed well

0 1 2 MILES
0 1 2 3 KILOMETRES

R. 2 W.

T. 13 N.





Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

EXPLANATION

A1
Well location

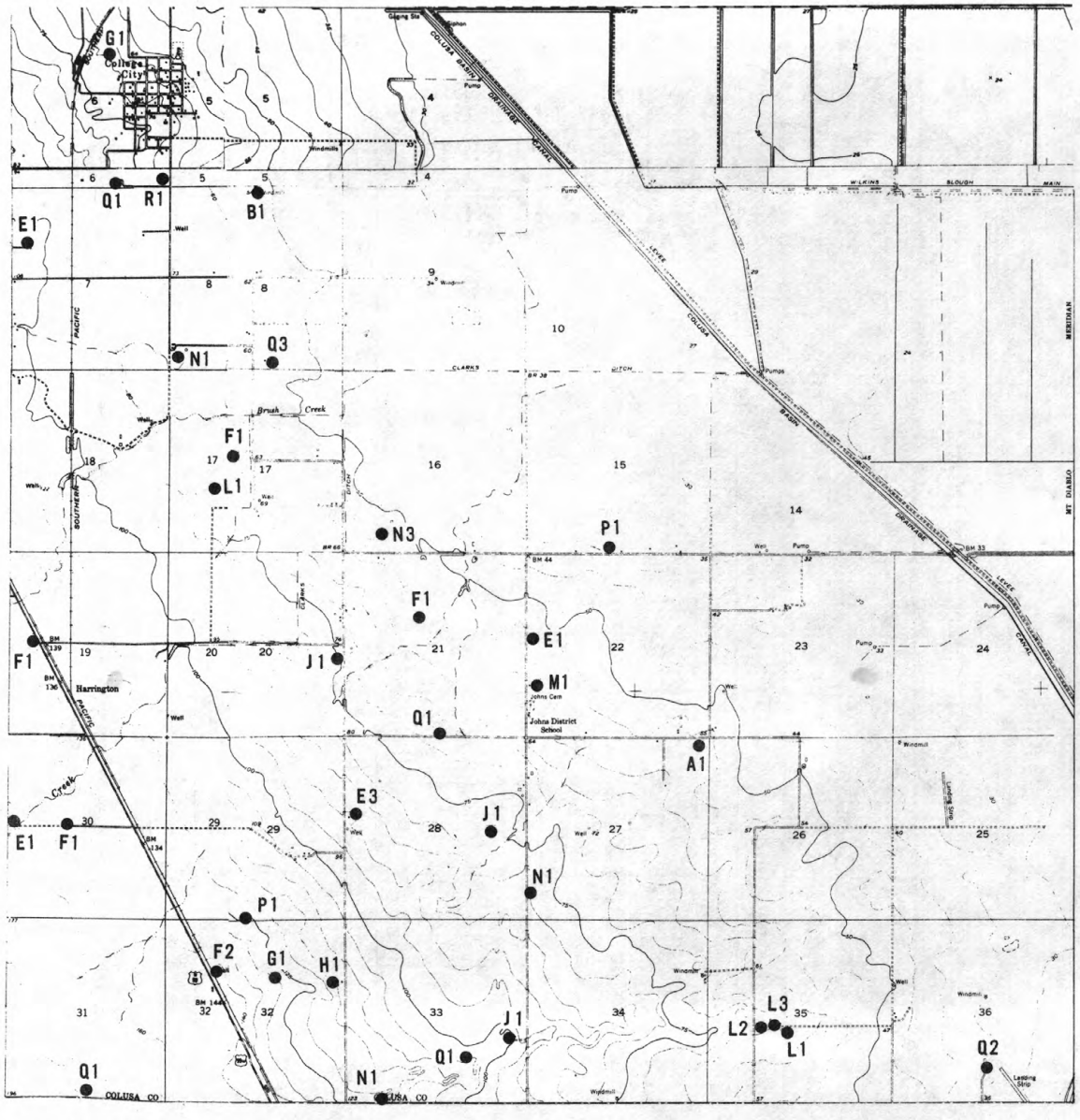
Site of destroyed well

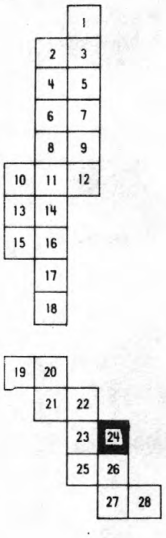
0 1 2 MILES
0 1 2 3 KILOMETRES

MAP 24

R.1 W.

T. 13 N.





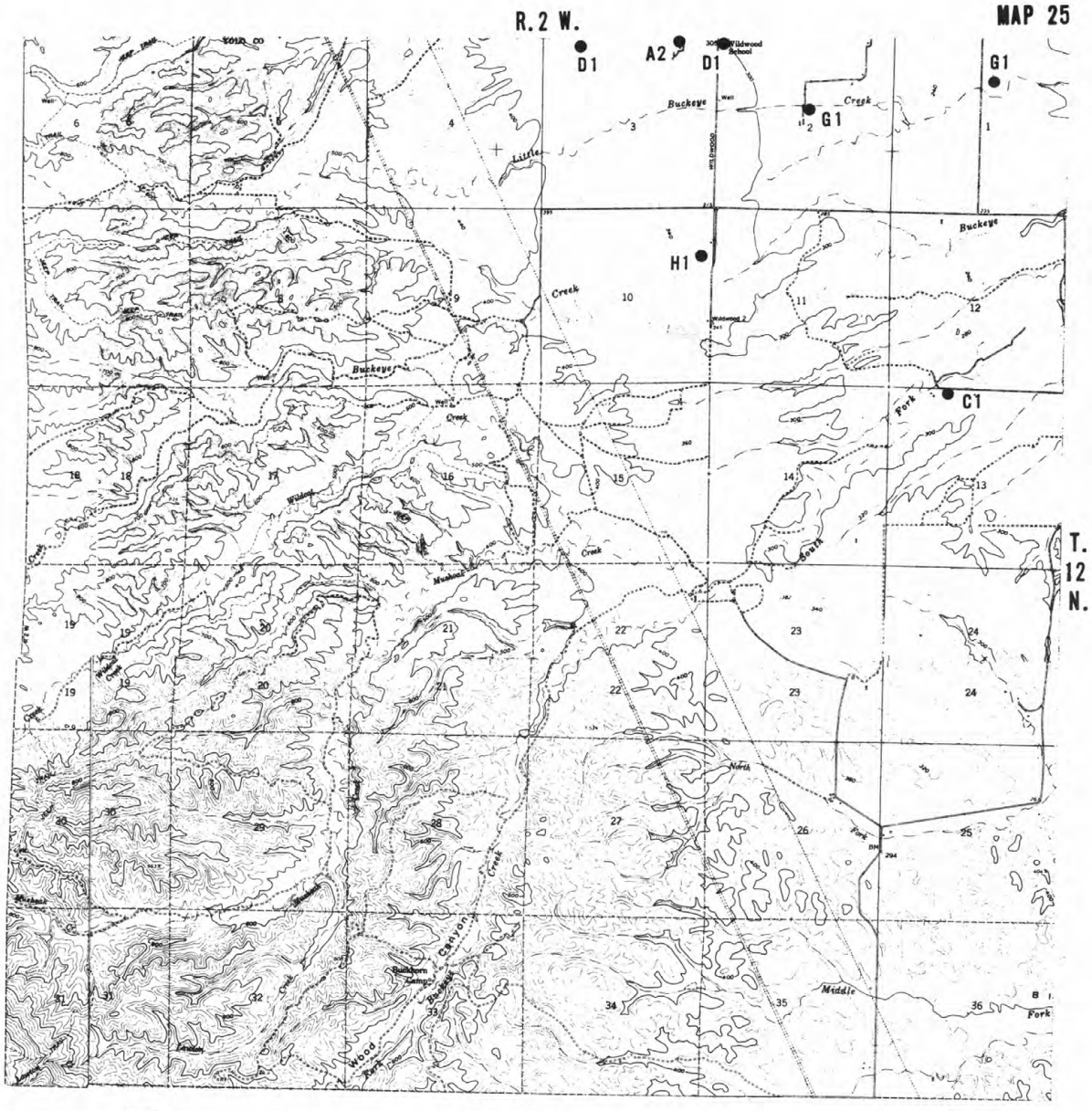
Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

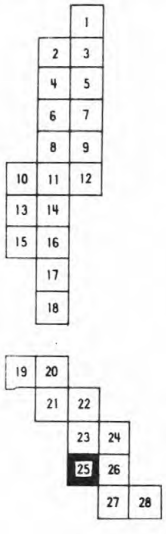
EXPLANATION

A1
Well location

Site of destroyed well

0 1 2 MILES
0 1 2 3 KILOMETRES





Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

EXPLANATION

A1
Well location

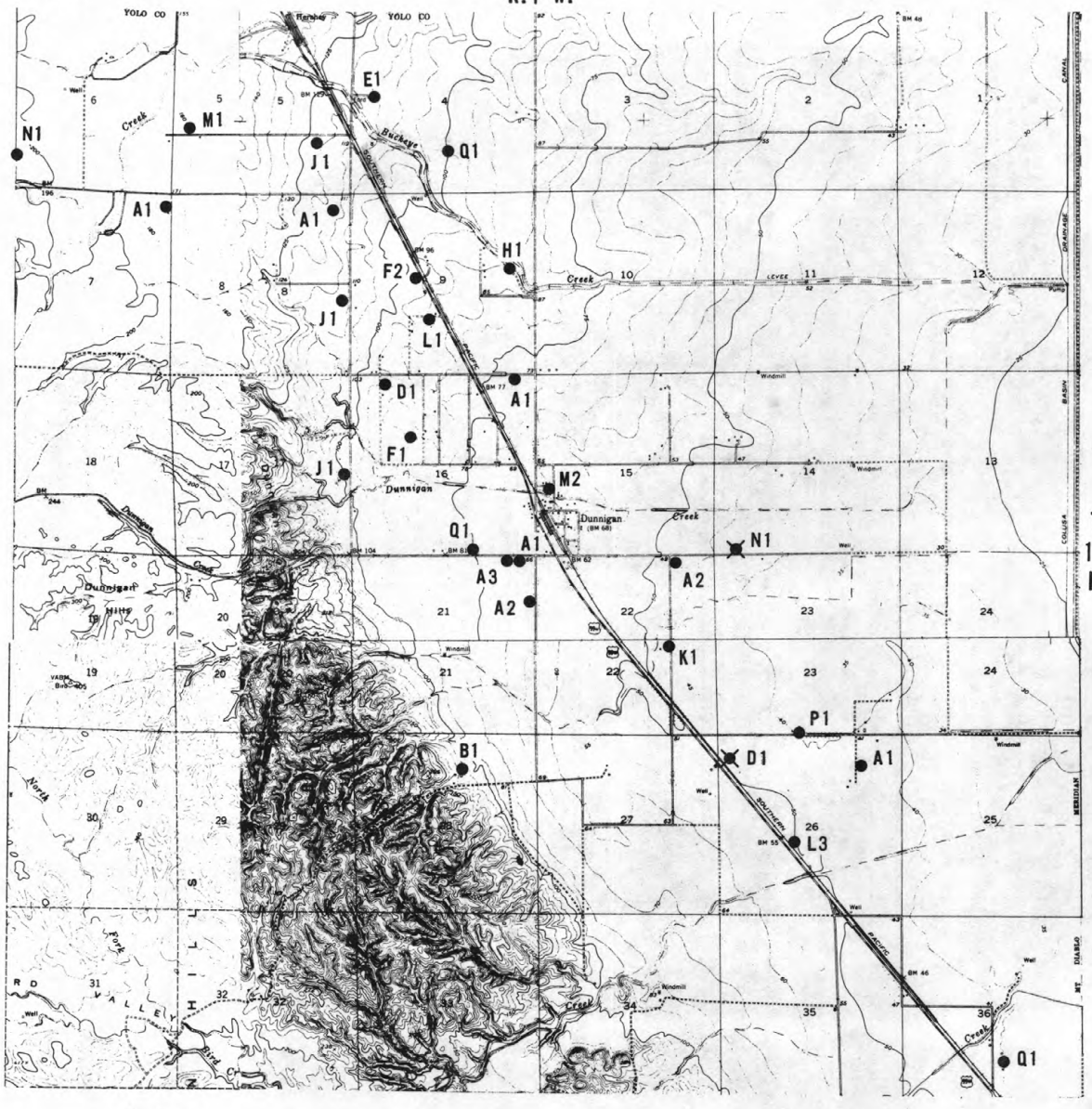
Site of destroyed well

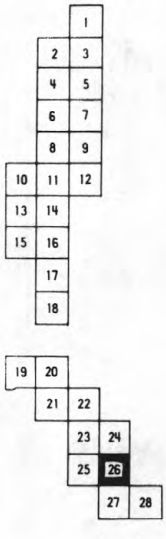
0 1 2 MILES
0 1 2 3 KILOMETRES

MAP 26

R. 1 W.

T. 12 N.





Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

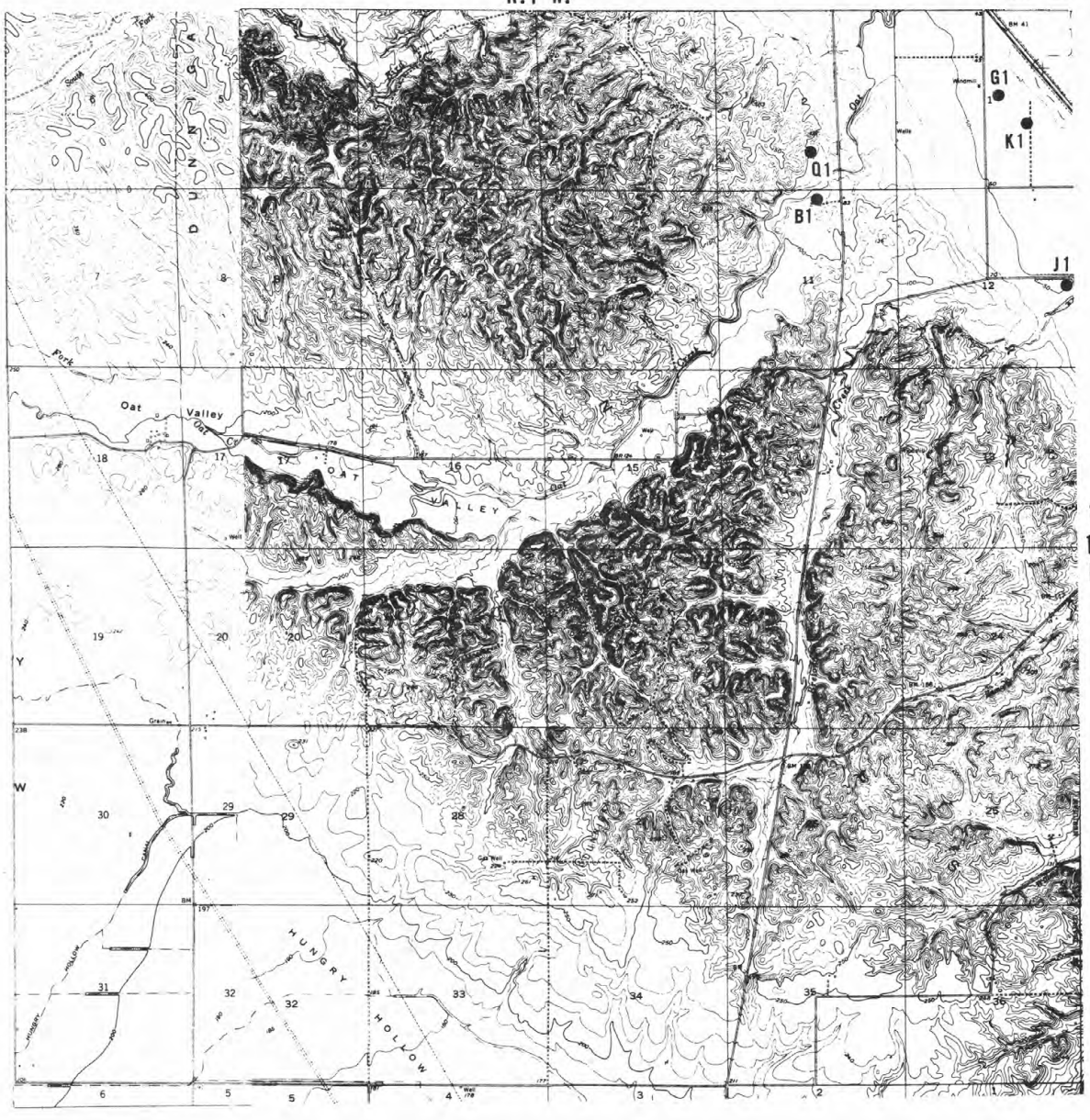
EXPLANATION

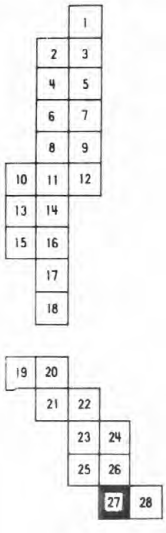
A1
Well location

Site of destroyed well

0 1 2 MILES
0 1 2 3 KILOMETRES

R.1 W.





Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

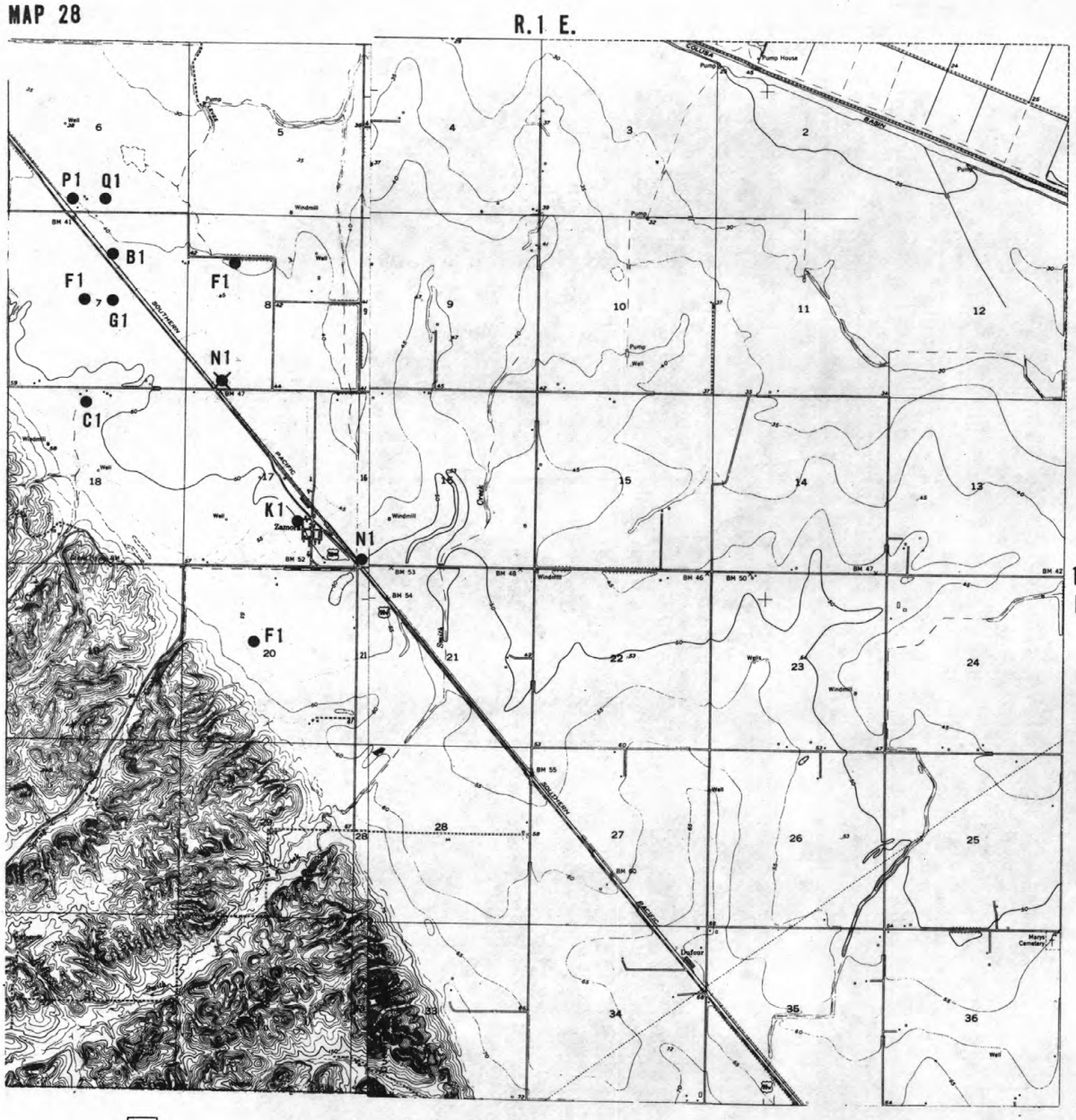
EXPLANATION

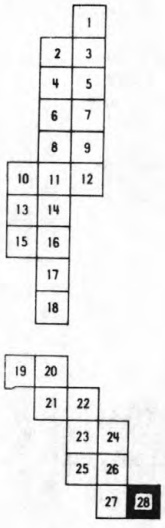
A1
Well location

Site of destroyed well

0 1 2 MILES
0 1 2 3 KILOMETRES

MAP 28





Well numbers in land grants are based on section lines projected by the California Department of Water Resources. Projected section lines are not shown.

EXPLANATION

A1
Well location

Site of destroyed well

0 1 2 MILES
0 1 2 3 KILOMETRES

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