INVENTORY OF SPRINGS IN THE STATE OF NEW MEXICO

By W.E. White and G.E. Kues

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MANUEL LUJAN, JR., Secretary

U.S. GEOLOGICAL SURVEY

Dallas L. Peck, Director

For additional information
write to:

District Chief
U.S. Geological Survey
Water Resources Division
Pinetree Corporate Centre
4501 Indian School Rd. NE, Suite 200
Albuquerque, New Mexico 87110

Copies of this report can
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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
inch	25.40	millimeter
foot	0.3048	meter
mile	1.609	kilometer
acre	4,047	square meter
gallon	3.785	liter
gallon per minute	0.06309	liter per second
cubic foot per second	28.32	liter per second

Degrees Celsius (°C) can be converted to degrees Fahrenheit (°F) by the following equation:

$$°F = 9/5\ (°C) + 32$$

Sea level: In this report sea level refers to the National Geodetic Vertical Datum of 1929--a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929.

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ABSTRACT

Data on 1,425 springs, collected as of 1978, were compiled and tabulated. The purpose of the tabulation was to condense information published in a variety of references and residing in U.S. Geological Survey computer files into a single source.

The data include spring location and name, owner's name, topographic situation, geologic source, altitude, and yield of selected springs. Also included are spring water temperature, specific conductance, and spring water-use information. Information is provided for all counties in the State except Curry County, for which no information on springs was found.

INTRODUCTION

This report is a compilation and tabulation of data up to and including 1978 on springs of New Mexico contained in published reports and in U.S. Geological Survey computer files. The purpose of this report, prepared in cooperation with the New Mexico State Engineer Office, is to present information on the occurrence and quality of spring water in a single source.

The spring sites described in this report have not been field checked. This report demonstrates the need for the collection of quantitative data in areas where spring sites have not been intensively surveyed.

Approach

Sources of information for this report include many of the published geologic and hydrologic studies of the New Mexico Bureau of Mines and Mineral Resources, New Mexico State Engineer Office, and U.S. Geological Survey. The location and topographic situation of each reported spring were verified, when possible, using a 7½- or 15-minute topographic map.

Format of the Report

The data are grouped by county (fig. 1). County tables and maps are arranged in alphabetical order by county name. Available physical characteristics of springs in all but Curry County have been reported. Explanations for tables in the report precede the county sections.

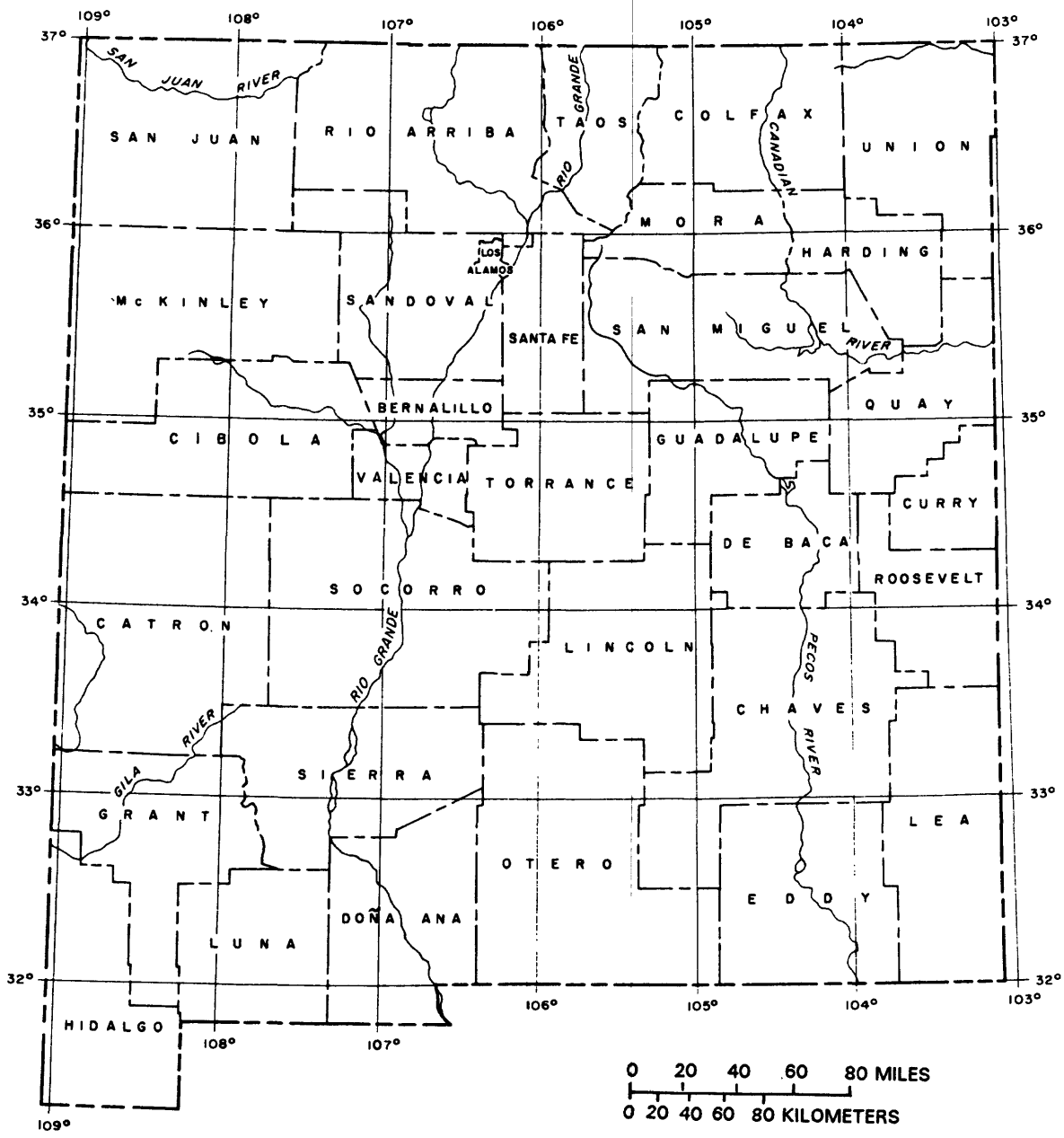

Figure 1.--Location of counties in New Mexico.

Spring-Numbering Systems

Standard Spring-Numbering System

The standard system of numbering springs in New Mexico is based on the common subdivision of public lands into sections. The spring number, in addition to designating the spring, locates its position to the nearest 10-acre tract in the land network. This number is divided into four segments. The first segment denotes the township north or south of the New Mexico base line; the second denotes the range east or west of the New Mexico principal meridian, and the third denotes the section. The fourth segment of the number, which consists of three digits, denotes the 160-, 40-, and 10-acre tracts, respectively, in which the spring is situated. For this purpose, the section is divided into four quarters, numbered 1, 2, 3, and 4, in the normal reading order, for the northwest, northeast, southwest, and southeast quarters, respectively. The first digit of the fourth segment gives the quarter section, which is a tract of 160 acres. Similarly, the quarter section is divided into four 40-acre tracts numbered in the same manner, and the second digit denotes the 40-acre tract. Finally, the 40-acre tract is divided into four 10-acre tracts, and the third digit denotes the 10-acre tract. Thus, spring 12S.36E.24.342 is in the NE¼SE¼SW¼, sec. 24, T. 12 S., R. 36 E. If a spring is not located accurately within a 10-acre tract, a zero is used as the third digit, and if it is not located within a 40-acre tract, zeros are used for both the second and third digits.

The letters a, b, c, etc. that sometimes appear at the end of a location number indicate the first, second, third, and succeeding springs located within the same 10-acre tract. An example of this method of site location is shown in figure 2.

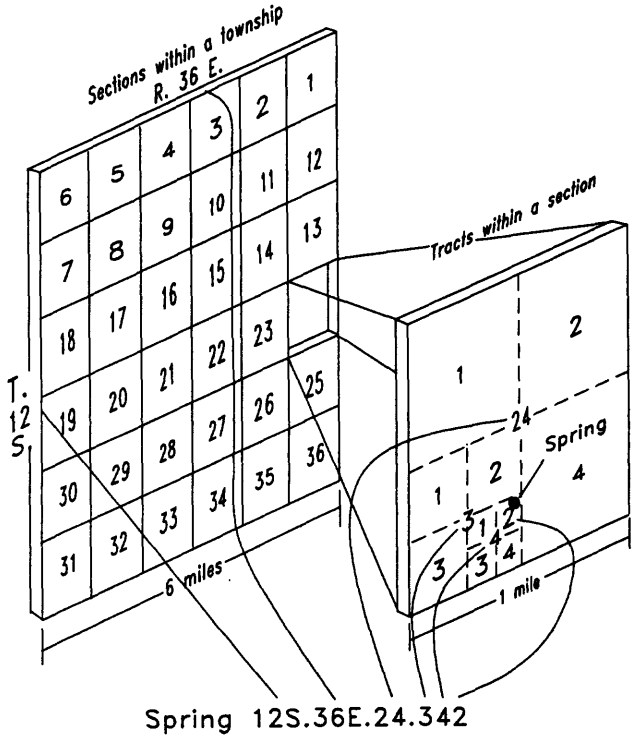

Figure 2.--System of numbering springs on lands other than the Navajo Reservation.

Spanish land grants, Indian reservations, and national forests have not been divided into townships and sections. When such lands share boundaries with land that has been sectionalized, irregular-shaped townships, sections, and tracts result. If a township, section, or tract is not square, the boundaries of the township were informally extended, and the area was treated as if it were square for the purpose of locating a spring.

In the tables, springs located on lands that have not been divided into sections and do not have chemical analyses available will not have a detailed location number or latitude and longitude reported. To locate these springs, refer to the spring-location maps at the beginning of each county section. All springs having a chemical analysis will have a latitude and longitude reported and may have an extended location number reported in the remarks column.

Navajo Reservation Spring-Numbering System

Public land surveys have not been made for the Navajo Reservation. Springs located on the reservation have a local identifier based on a system of letters and numbers that begins with the letters NR followed by three segments. The first segment is a three-digit map number. The number is assigned to one of a series of U.S. Geological Survey 15-minute quadrangle maps or a group of four contiguous 7½-minute quadrangle maps (fig. 3). The second segment, which is separated from the first by a decimal point, consists of two numbers separated by an "x". The other numbers are the spring's coordinates in hundredths of a mile from the east and north boundaries of the map area, respectively. For example, spring number 049.1181 x 1074 is located on map-area number 49, 11.81 miles west of the area's east boundary and 10.74 miles south of the area's north boundary (fig. 3).

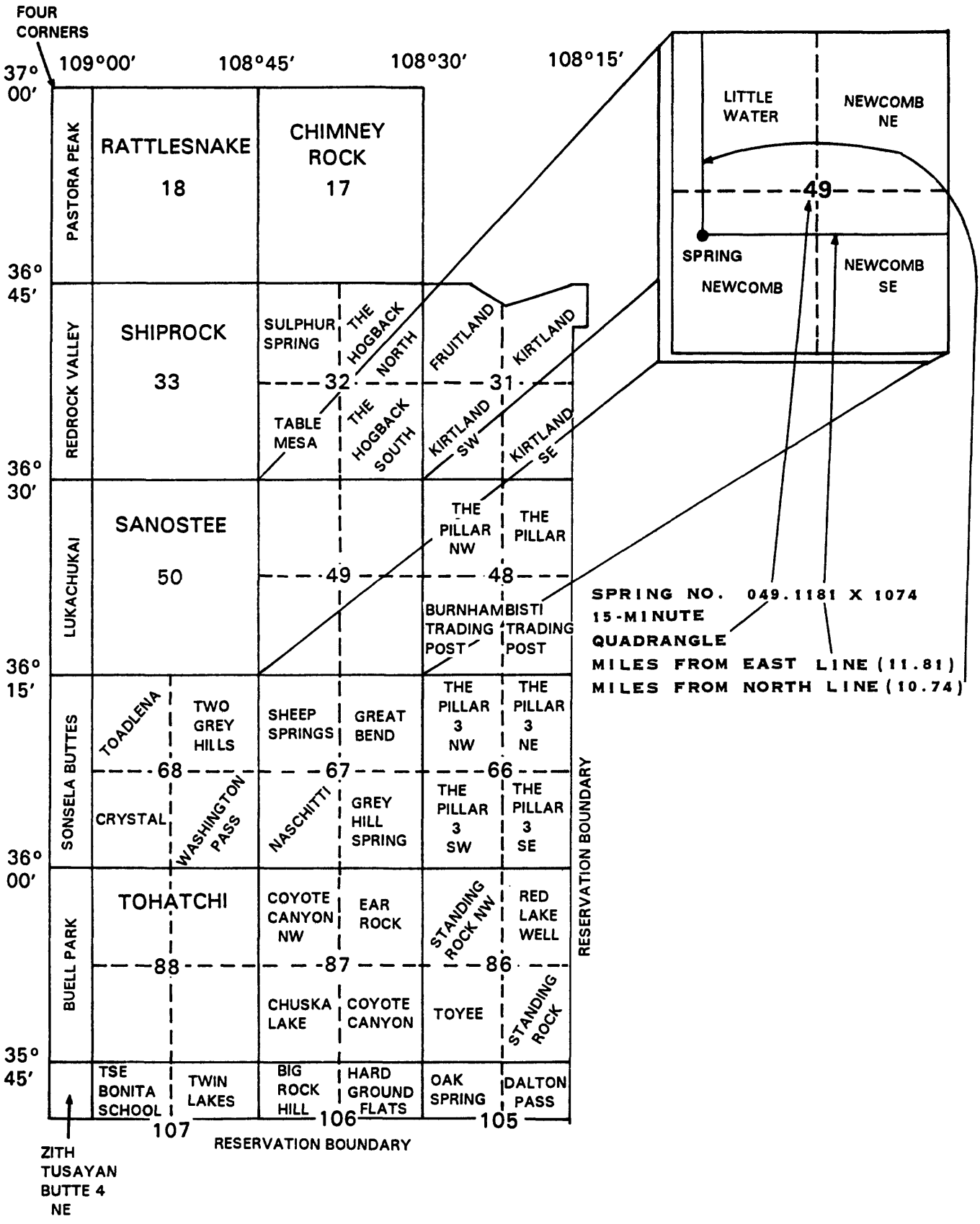

Figure 3.--System of numbering springs on the Navajo Reservation.

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Table 1.—Geologic unit explanation table

Erathem	System	Time before present (in millions of years)	Geologic unit: Abbreviation	Geologic unit: Stratigraphic description
Cenozoic	Quaternary	Holocene to 2	Qab	Alluvium, bolson, and other superficial deposits
			Qal	Alluvium, mainly in flood plains
			Qb	Basalt flows
			Qbc	Bolson fill
			Qbu	Extrusive rocks, unconsolidated
			Qc	Colluvial deposits
			Qcg	Terrace gravels
			Qcl	Conglomerate
			Ql	Landslide debris
			Qr	Bandelier Tuff
			Qt	Terrace deposits
			Qtsv	Basalt flows associated with the Santa Fe Group
			Qv	Products of diatremic explosions and other volcanic rocks
	Quaternary and Tertiary	2 to 63	QTa	Ancha Formation
			QTb	Basalt and basalt flows
			QTg	Gila Conglomerate
			QTp	Pediment, terrace, and other deposits
			QTs	Santa Fe Group, undivided
			QTsf	Santa Fe Group, upper part
			QTt, QTu	Terrace deposits
	Tertiary		Tb	Andesite and basalt flows, breccias, and tuffs
			Tc	Chuska Sandstone
			Td	Datil Formation
			Te	Basalt, andesites, and extrusives
			Tg	Galisteo Formation
			Ti	Dikes, sills, and plugs
			Tn	Nacimiento Formation
			To	Ogallala Formation
			Tp	Popotosa Formation
			Trp	Rubio Peak Formation
			Tsf	Santa Fe Group

Table 1.—Geologic unit explanation table—Continued

Erathem	System	Time before present (in millions of years)	Geologic unit	
			Abbreviation	Stratigraphic description
Cenozoic	Tertiary	2 to 63	Tsj, Tsjc	San Jose Formation
			Tsr	Regina Member of San Jose Formation
			Tv	Extrusive rocks of varied composition and age
			Toa	Ojo Alamo Sandstone
Cenozoic and Mesozoic	Tertiary and Cretaceous		TKi	Dikes, sills, and plugs
			TKr	Raton Formation
Mesozoic	Cretaceous	63 to 138	K	Cretaceous System, undivided
			Kc	Carlile Shale
			Kcbd	Bartlett Barren and Dilco Coal Members of Crevasse Canyon Formation
			Kcc	Crevasse Canyon Formation
			Kcda	Dalton Sandstone Member of Crevasse Canyon Formation
			Kch	Cliff House Sandstone
			Kcmg	Cleary Coal Member of Menefee Formation and Gibson Coal Member of Crevasse Canyon Formation, undivided
			Kd	Dakota Sandstone
			Kdp	Paguate Tongue of Dakota Sandstone
			Kg	Gallup Sandstone
			Kgg	Greenhorn and Graneros Formations, undivided
			Kk	Kirtland Shale
			Kkm	Kirtland Shale and Mancos Shale, undivided
			Kkf	Kirtland Shale and Fruitland Formation, undivided
			Kl	Lewis Shale
			Km	Mancos Shale
			Kmf	Menefee Formation
			Kmv	Mesaverde Group
			Knf	Fort Hays Limestone Member of Niobrara Formation
			Kpc	Pictured Cliffs Sandstone

Table 1.—Geologic unit explanation table—Concluded

Erathem	System	Time before present (in millions of years)	Geologic unit: Abbreviation	Geologic unit: Stratigraphic description
Mesozoic	Cretaceous	63 to 138	Kpl	Point Lookout Sandstone
			Kplh	Hosta Tongue of Point Lookout Sandstone
			Kpn	Pierre Shale Member of Niobrara Formation
	Jurassic	138 to 205	Jcs	Cow Springs Sandstone
			Je	Entrada Sandstone
			Jm, Jms	Morrison Formation
			Jmw	Westwater Canyon Member of Morrison Formation
			Jz	Zuni Sandstone
	Triassic	205 to 240	Tr	Triassic System, undivided
			Trc	Chinle Formation
			Trs	Santa Rosa Sandstone
			Trw	Wingate Sandstone
Paleozoic	Permian	240 to 290	Pa	Abo Sandstone
			Pat	Artesia Group, undivided
			Pb	Bursum Formation
			Pc	Cutler Formation
			Pcp	Capitan Limestone
			Pbc	Bell Canyon Formation
			Pg	Glorieta Sandstone
			Pr	Rustler Formation
			Psa, Psl	San Andres Limestone
			Psf	Fourmile Draw Member of San Andres Formation
			Psg	San Andres Limestone and Glorieta Sandstone, undivided
			Psr	Seven Rivers Formation
			Py	Yeso Formation
			Pym	Meseta Blanca Sandstone Member of Yeso Formation
			Pys	San Ysidro Member of Yeso Formation
	Pennsylvanian	290 to 330	IPm	Madera Formation
			IPs	Sandia Formation
	Mississippian	330 to 360	M	Mississippian System, undivided
Precambrian		570 and older	pC	Precambrian igneous and metamorphic rocks, undivided

Explanation for Tables 2-33

Location:

Number in figure: Number designating the location of each spring within a particular county. These numbers are unique to each county but are not unique to the report.
Number: See section of the report entitled "Spring-Numbering Systems."
Latitude-longitude: Two sets of three numbers that designate the location of the spring in degrees, minutes, and seconds as latitude north of the equator and as longitude west of the principal meridian.

Name: Common name or unique designation for each spring if available.

Owner: Name of the owner of the spring; may include one of the following:
AT & SF R.R. - Atcheson Topeka and Santa Fe Railroad Company
BLM - U.S. Bureau of Land Management
do. - "same as above"
MDWSWA of Seboyeta - Mutual Domestic Water and Sewage Works Association of Seboyeta
USIS - United States Indian Service
USFS - United States Forest Service
BIA - Bureau of Indian Affairs
NPS - National Park Service

Topographic situation: Brief description of physical setting in the immediate area of the spring.

Source: Geologic abbreviation for the geologic age and name of the rock from which the spring issues. For a complete listing of these abbreviations, see the Geologic unit explanation table. (?) indicates uncertain geologic source and (--) indicates unknown geologic source.

Altitude: Spring altitude, in feet above sea level, estimated from topographic maps. R = reported.

Yield: Rate of water discharged from the spring, in gallons per minute, on the observation date specified in Date column. All yield values are estimated unless designated with one of the following symbols:

B - flow measured using a bucket
M - flow measured using an unspecified technique
NV - no visible flow
PS - flow measured using a 3-inch Parshall flume
R - flow reported in the referenced literature
S - flow reported in the referenced literature, exact amount unknown
1 - yield estimated between 0.9 and 0.5 gallon per minute
VS - very small flow (less than 0.5 gallon per minute)
< - less than
> - greater than
≈ - approximately

Temperature: Measured at springs in degrees Celsius, converted to degrees Fahrenheit.

Specific conductance: A measure of the ability of a spring-water sample to conduct an electrical current. Measurement is made of water at a temperature of 25 °Celsius in units of microsiemens per centimeter. (F) indicates field measurement.

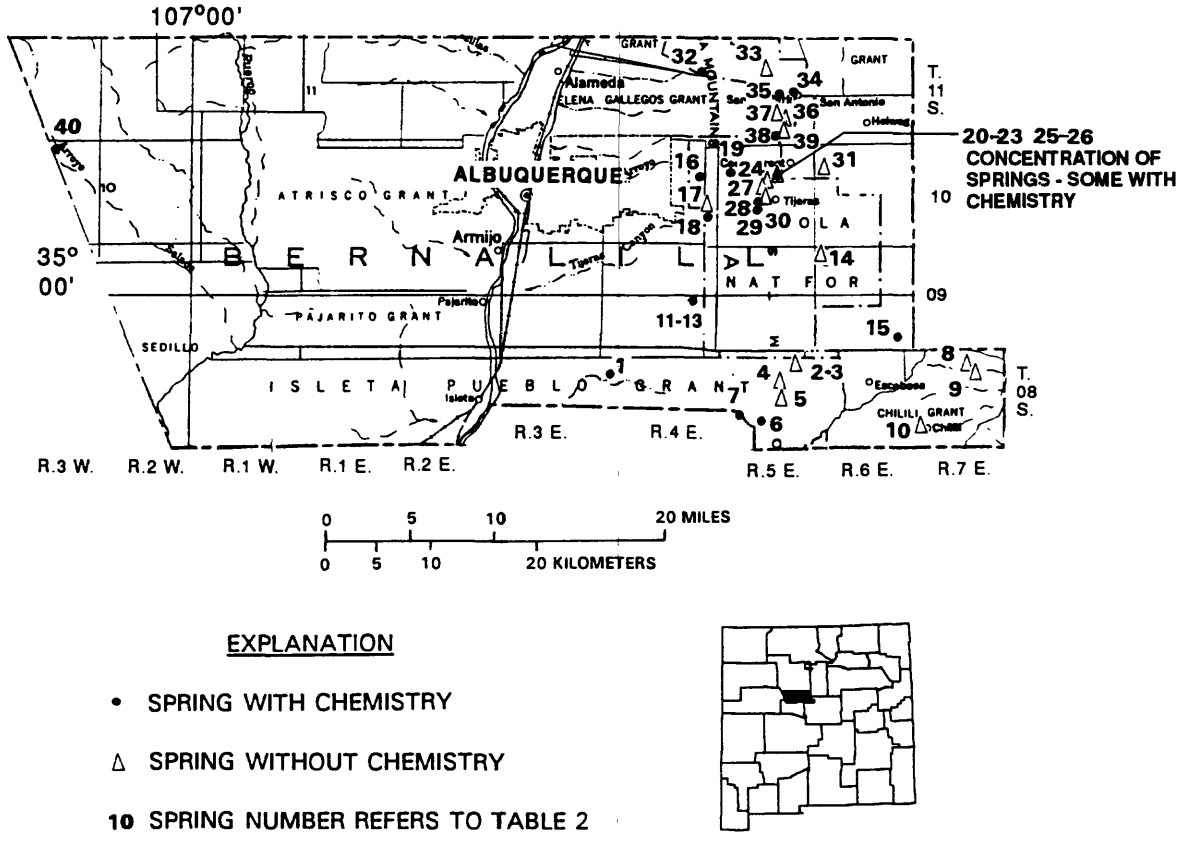
Use:

- A - abandoned
- C - commercial
- D - domestic
- I - irrigation
- N - none
- O - other use
- P - public supply
- S - watering stock
- W - wildlife
- (--) - unknown

Reference: The name of the author(s) and the date of publication(s) used as a source for the reported data. See the list of references for a complete listing. The symbol "*" denotes unpublished information on file at the U.S. Geological Survey (USGS), Water Resources Division Offices. The abbreviation "comp." indicates data was obtained from USGS computer listings.

Remarks: This column contains additional miscellaneous information including any projected spring-location numbers that appear for the site in the references.

- CA - chemical analysis of water sample for major ions available from USGS
- TA - Trace-element analysis of water sample available from USGS
- RA - radiochemical analysis of water sample available from USGS
- CAR - chemical analysis of water sample available in cited reference
- TAR - secondary element analysis of water sample available in cited reference
- RAR - radiochemical analysis of water sample available in cited reference
- ppm - parts per million
- gpm - gallons per minute
- cfs - cubic feet per second



EXPLANATION

- • SPRING WITH CHEMISTRY
- Δ SPRING WITHOUT CHEMISTRY
- **10** SPRING NUMBER REFERS TO TABLE 2

Figure 4.--Location of inventoried springs in Bernalillo County.

Table 2.--Physical characteristics of springs in Bernalillo County

Number in figure 4	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
1	8N.4E.9.314	345555-1063147	Hubbell Spring	Pueblo of Isleta	East mesa, Rio Grande valley	QTs ?	5,341	3	02-27-56	13.5	56	836	S	Bjorklund and Maxwell, 1961	CA.
2	8N.5E.12.422	345559-1062135	--	do.	Canyon floor	TPm or Qal	6,947	20-30	09-19-62	--	--	--	S?	*	Pueblo of Isleta; underflow from limestone possibly adds to spring discharge.
3	8N.5E.12.432	345546-1062157	--	do.	do.	Qal	6,890	<1	09-19-62	--	--	--	S?	*	Pueblo of Isleta.
4	8N.5E.14.434	345448-1062251	--	do.	Canyon wall	TPm	6,620	10	09-19-62	--	--	--	S?	*	Pueblo of Isleta; fault-controlled seep; travertine festooning 15 feet above arroyo marks old seep.
5	8N.5E.23.343	345358-1062313	--	do.	Canyon floor	Qal, TPm	6,440	1-5	09-19-62	--	--	--	S?	*	Pueblo of Isleta; underflow from alluvium wedge-out.
6	8N.5E.27.224	345343-1062337	--	--	--	TPm	6,320	9	09-19-62	15.0	59	360	S	*	CA; spring located in fault gouge.
7	8N.5E.28.124	345316-1062513	--	Pueblo of Isleta	Canyon floor	Qal	6,670	<1	09-19-62	23.0	73	745	S	*	CA; Pueblo of Isleta; underflow where channel narrows and alluvium thins.
8	8N.7E.3.443	345636-1061106	--	--	Head of box canyon	TPm	6,620	<1	10-03-63	--	--	--	S	*	Chilili Grant; flow issues from joint in rock.

Table 2.--Physical characteristics of springs in Bernalillo County--Continued

Number in figure 4	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
9	8N.7E.11.113	355617-1061101	--	--	Head of box canyon	IPm	6,575	1-5	10-03-63	--	--	--	S	*	Chilili Grant; flow issues from joint in rock.
10	8N.7E.30.444	355305-1061414	--	--	Valley floor	IPm	6,830	20-30	09-27-63	17.0	63	--	S	*	Chilili Grant; discharge flows through Chilili; reported never dry; flow issues from joint in rock.
11	9N.4E.24.112	345958-1062813	Coyote Springs	Sandia Military Reservation	Channel	pЄ, IPm	5,850	--	07-25-45	18.5	65	--	N	*	CA; one of a group of three springs; TA.
12	9N.4E.24.113	345955-1062815	do.	do.	do.	do.	5,850	--	07-25-45	17.0	63	2,540	N	*	CA; one of a group of three springs.
13	9N.4E.24.211	345957-1062812	do.	do.	do.	do.	5,850	30	1942	--	--	--	--	Murray, 1959	Contact spring forming sump-like pools.
								--	07-25-45	16.0	61	3,400	N	*	CA; TA.
14	9N.6E.6.132	350214-1062042	--	--	Confluence of two canyons	IPm	--	<1	11-08-62	--	--	--	N	*	--
15	9N.6E.36.312	345738-1061533	--	--	--	do.	7,085	>1	12-21-60	4.5	40	984	S	*	CA; fault controlled (?); reported as 9N.6E.36.311.

Table 2.--Physical characteristics of springs in Bernalillo County-Continued

Number in figure 4	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
16	10N.4E.13.242	350548-1062749	Embuda Spring	L. Petrino	Canyon floor	pЄ	6,520	50R	05-07-56	13.5	56	963	S	Bjorklund and Maxwell, 1961	CA.
								2-5	12-06-61	--	--	669	S	*	CA; reported location 10N.4½E.13.213.
17	10N.4E.24.342	350420-1062736	--	--	do.	do.	6,160	<1	10-21-60	--	--	--	--	*	Fault controlled.
18	10N.4E.25.111	350406-1062738	Fach Spring	Fred C. Fach	Canyon side	do.	5,990	<1	10-21-60	--	--	704	D	*	CA; reported location 10N.4½E.25.121; flow reported constant.
													N	Hudson, 1978	Has concrete and rock crib, 3/4-inch outlet.
19	10N.5E.7.432	350557-1062618	Three Gun Spring	Cibola National Forest	Confluence of two canyons	do.	7,370	2-3	12-07-61	--	--	391	--	*	CA.
20	10N.5E.10.423	350617-1062309	--	--	Anticline breached by canyon	Pg	6,790	50-75	08-10-62	13.0	55	478	P, S	*	CA; travertine deposit below spring; used by residents of San Antonio.
21	10N.5E.10.432	350610-1062316	--	--	Canyon	Psg, Py	6,800	3	08-10-62	--	--	--	N	*	--
22	10N.5E.10.434	350600-1062315	--	Charles Hobbie	Fault in canyon	Pys	6,750	2	08-10-62	--	--	426	P	*	CA; water used by trailer park residents.
23	10N.5E.11.333	350603-1062253	--	--	Canyon	Kd	--	1	08-10-62	--	--	--	D	*	Steeply dipping sandstone beds.

Table 2.--Physical characteristics of springs in Bernalillo County-Continued

Number in figure 4	Location Number	Location Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield Gallons per minute	Yield Date	Temperature °C	Temperature °F	Specific conductance (microsiemens)	Use	Reference	Remarks
24	10N.5E.15.142	350543-1062339	--	Cibola National Forest	Canyon	IPm	6,840	5	06-12-62	--	--	--	N	*	Travertine coats face of 30-foot drop-off in stream channel; reported as 10N.5E.15.141.
								--	09-10-74	13.5	56	562	--	--	CA.
25	10N.5E.15.212	350555-1062315	--	Charles Hobbie	Fault	--	6,740	5-10	08-09-62	--	--	--	P	*	Discharge fluctuates seasonally; used by trailer park residents.
26	10N.5E.15.223	350555-1062314	--	do.	--	Trc	--	--	08-10-62	14.0	57	822	N	*	CA; Chinle Formation faulted against Morrison Formation; iron stain in channel.
27	10N.5E.15.331	350518-1062357	Carlito Spring	--	Fractures in cliff face	IPm	--	400	1942	--	--	--	--	Murray, 1942	--
				J.D. Guenko	--	do.	--	500	11-08-62	--	--	--	D	*	Water may be from upper part IPs; travertine deposits present.
				Tony Guenko	--	do.	6,790	20	06-22-72	--	--	--	D, I	Hudson, 1978	--
28	10N.5E.21.223	350447-1062403	--	R.A. Curtis	Canyon wall	do.	--	--	02-13-58	14.0	57	567	--	*	CA.
								5-10	08-10-62	14.0	57	--	D	*	Travertine deposits present.

Table 2.--Physical characteristics of springs in Bernalillo County-Continued

Number in figure 4	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
29	10N.5E.21.412	350447-1062414	Seven Springs	--	Canyon bottom	Qal	6,150	100	1942	--	--	--	--	Murray, 1942	Seep.
				John Giannini		do.	--	20	06-15-62	11	52	692	C	*	CA; trout ponds.
				--		do.	--	6M	07-08-75	--	--	--	N	Hudson, 1978	Flowing from 1½-inch-diameter plastic pipe.
30	10N.5E.22.143	350446-1062342	--	--	Canyon floor	do.	--	30	06-21-62	--	--	--	--	*	Qal wedges out.
31	10N.6E.7.342	350606-1062024	--	--	do.	do.	--	<1	05-15-62	--	--	--	--	*	Qal wedges out.
32	11N.4E.1.314	351228-1062833	--	--	--	--	--	--	05-08-56	17	63	297	--	*	CA; Cibola National Forest.
33	11N.5E.10.133	351137-1062407	Tree Spring	--	Canyon	IPm	8,120	<1M	07-27-62	8	46	--	P	*	Cibola National Forest; canyon follows fault.
34	11N.5E.14.342	351023-1062235	Sulphur Spring	Cibola National Forest	Valley	Pa	7,310	<1	07-19-62	17	63	--	P	*	Picnic ground; reported as 11.5.14.242.
									06-05-75	--	--	485			CA.
35	11N.5E.23.111	351012-1062304	Cienega Spring	do.	do.	IPm	7,514	10-15	06-20-62	10	50	503	P	*	CA; picnic ground; travertine in channel below spring.
								--	09-10-74	13	55	228	--	*	CA.
36	11N.5E.26.333	350835-1062300	--	do.	do.	Qal, Pys	7,200	25	07-26-62	11	52	--	D	*	--

Table 2.--Physical characteristics of springs in Bernalillo County-Concluded

Number in figure 4	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (micro-siemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
37	11N.5E.27.423	350851-1062319	--	--	Canyon	IPm	7,550	25	07-25-62	11	52	--	D	*	Cibola National Forest; travertine in past and present channel below spring; spring supplies water to Cañoncito through acequia.
38	11N.5E.34.243	350807-1062317	Cole Spring	--	--	Q1	7,414	6M	06-21-62	9	48	564	P	*	CA; Cibola National Forest; picnic ground.
								--	06-05-75	10	50	580	--	*	CA.
39	11N.5E.35.131	350835-1062259	--	Dr. Jenkins	Canyon confluence	Pym	7,250	<1	08-02-62	--	--	--	D	*	Cibola National Forest.
40	10N.3W.3.212	350750-1070817	Jose Manuel Spring	Cañoncito Navajo Reservation	Channel wall	Jm	--	--	01-28-52	--	--	372	--	Trauger, 1953	CA; concrete-boxed seep.
							--	--	09-03-53	--	--	389	--	do.	--
							--	--	06-06-67	--	--	--	--	Doty, 1967.	Not flowing on June 6, 1967.

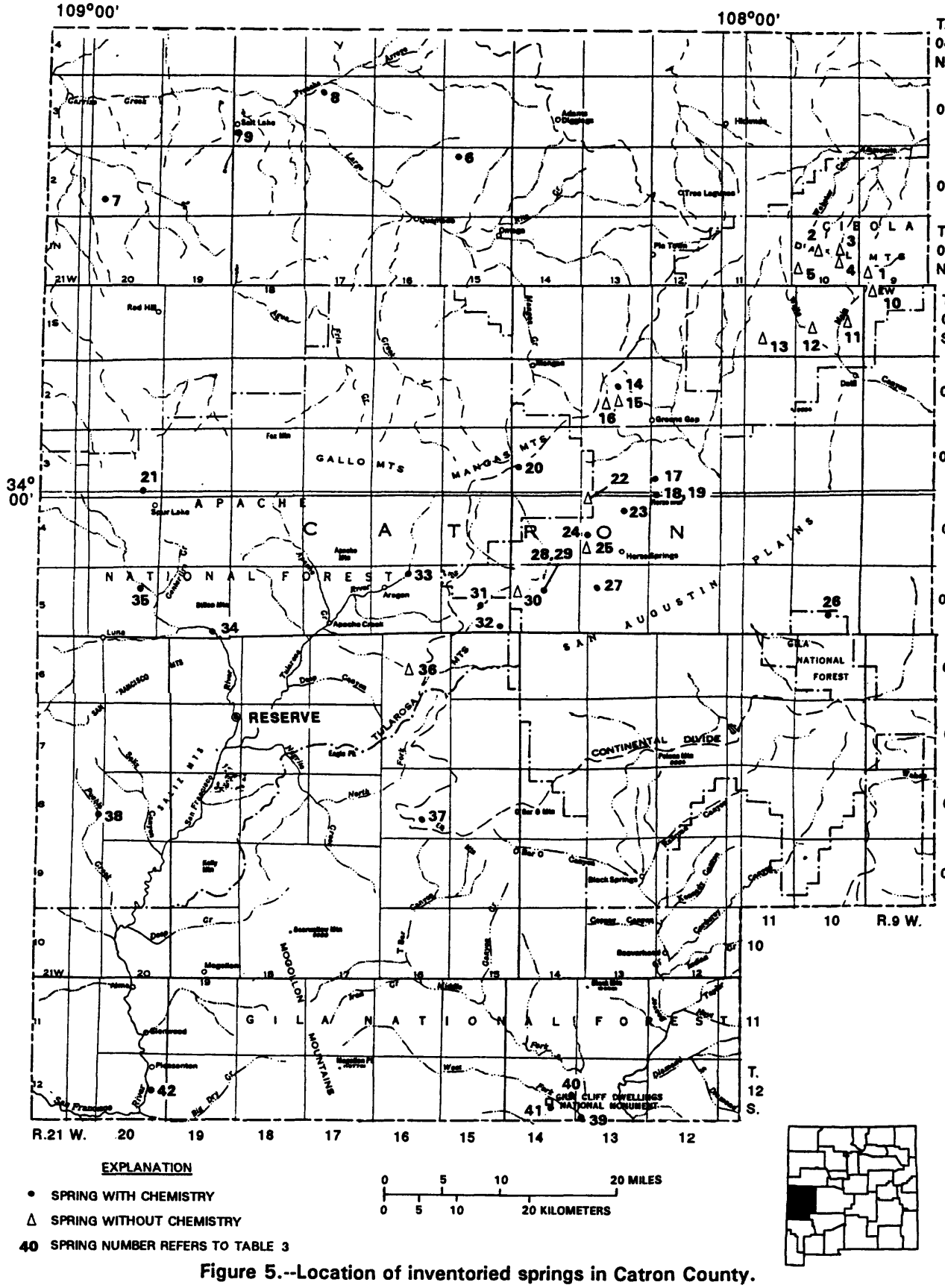


Figure 5.--Location of inventoried springs in Catron County.

Table 3.—Physical characteristics of springs in Catron County

Number in figure 5	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
1	1N.9W.30.341	—	Hidden Spring	USFS & Choate	Small tributary gully	—	8,110	VS	6-18-80	—	—	490F	—	*	Cibola National Forest.
2	1N.10W.21.431	—	—	do.	do.	—	8,755	VS	6-24-80	17.0	63	210F	—	*	Cibola National Forest.
3	1N.10W.23.311	—	Skeleton Spring	do.	Small valley	—	8,420	—	6-24-80	17.0	63	560F	—	*	Cibola National Forest.
4	1N.10W.26.442	—	Blue Spring	do.	Valley bottom	—	8,078	5	6-18-80	17.0	63	460F	—	*	Cibola National Forest.
5	1N.10W.30.411	—	Davenport Spring	do.	Gully in side of mountain	—	8,347	VS	5-7-80	—	—	200F	—	*	Cibola National Forest; developed spring.
6	2N.15W.5.000	342545-1082520	Mariano Springs	—	Small valley	—	7,193	—	8-3-79	13.0	55	478	—	*	CA; TA; spring group.
7	2N.20W.29.410	342200-1085710	Goat Spring	—	—	—	—	—	8-5-79	12.5	54	495	—	*	CA; TA.
8	3N.17W.8.200	343010-1083900	Garcia Spring	—	Hillside	—	6,540	—	7-19-79	—	—	1,192	—	*	CA.
9	3N.18W.30.000	342700-1084550	—	—	—	—	—	3	12-22-33	13.0	55	—	—	*	CA.
10	1S.9W.6.223	—	Chavez Spring	USFS & Choate	Side of valley	—	8,012	VS	5-9-80	—	—	190F	—	*	Developed spring.

Table 3.—Physical characteristics of springs in Catron County—Continued

Number in figure 5	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature °C	Temperature °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
11	1S.10W.14.213	—	Norman Spring	USFS & Choate	Streambed below cliff	—	7,650	—	6-25-80	17.0	63	580F	—	*	—
12	1S.10W.20.213	—	Thompson Spring	Latlin	Side of mountain	—	7,810	—	5-7-80	—	—	280F	D	*	—
13	1S.11W.27.421	—	North Spring	USFS	Stream channel	—	7,895R	VS	12-5-79	—	—	490F	—	*	Small tank.
14	2S.13W.28.122	340642-1081205	Oak Springs	J.L. Sanchez	Bottom of wash	—	7,805	1.25	10-31-79	11.0	52	356	S	*	CA; TA; spring flow piped to shallow stock tank.
15	2S.13W.15.234	—	Allison Springs	do.	—	—	—	—	11-5-79	—	—	—	S	*	Not visited.
16	2S.13W.22.113	—	Sawmill Spring	do.	Arroyo in side of hill	—	7,895	—	10-31-79	9.5	49	210F	S	*	Spring is covered by cement-lined box.
17	3S.12W.29.141	340108-1080708	H.Q. Spring	T.P. Ranch	Stream valley	—	—	<1	11-7-79	11.0	52	240F	D	*	Spring is covered by cement-lined box.
								—	5-1-80	—	—	—			CA; TA.
18	3S.12W.30.223	340116-1080733	Sherman Springs (lower)	T.P. Ranch	Arroyo	—	—	1.5	11-28-79	—	—	350F	S	*	Several springs in area.
								—	5-1-80	—	—	—			CA; TA.
19	3S.12W.30.241	340106-1080735	Sherman Springs (upper)	do.	do.	—	—	1	11-28-79	9.5	49	300	S	*	CA; TA.

Table 3.—Physical characteristics of springs in Catron County—Continued

Number in figure 5	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
20	3S.14W.19.100	340210-1082050	Caballeriza (?)	USFS	Hillside near Continental Divide	—	—	—	10-7-52	10.5	51	185	W	Bushman and Valentine, 1954	CA; concrete cistern.
21	3S.20W.35.132	340018-1085405	B. Knight	—	—	—	—	—	5-21-58	—	—	315	—	*	CA.
22	4S.13W.6.124	—	—	USFS	Small valley	—	7,620	—	4-26-79	17.0	63	220	—	*	Supplies Pearson Ranch House.
23	4S.13W.10.110	335845-1081130	Jones Spring	Hiram Price	Slope above draw in hills	—	7,325	2	12-18-52	13.5	56	279	S	Bushman and Valentine, 1954	CA; numerous canyons in area contain undeveloped springs.
24	4S.13W.19.420	335635-1081350	—	do.	Shallow valley	—	7,150	2	12-18-52	9.5	49	311	S	do.	CA; wooden cistern.
25	4S.13W.30.340	—	Horse Springs	Frank Aragon	Open valley at edge of plains	—	7,071	10	11-20-52	—	—	—	D, I	Bushman and Valentine, 1954	Concrete cistern and ditch; water is piped to two houses.
26	5S.10W.27.223	335054-1075133	Luera Spring	USFS	Canyon	—	7,580	—	11-28-79	—	—	393	—	*	CA; TA; seep area.
27	5S.13W.8.313	335255-1081340	—	Ralph McWhorter	Toe slope	Qal	6,825	2	10-31-52	16.5	62	364	S	Bushman and Valentine, 1954	CA (reported as 5S.13W.8.310).

Table 3.—Physical characteristics of springs in Catron County—Continued

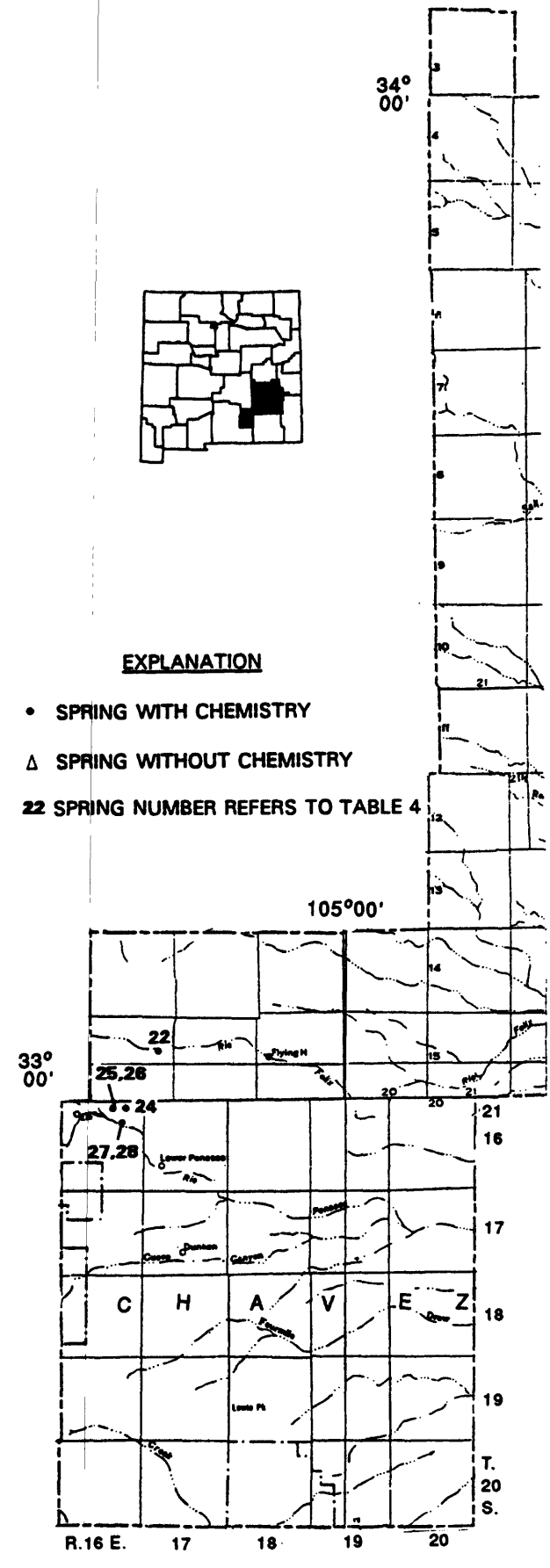
Number in figure 5	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
28	5S.14W.9.243	335250-1081800	Paterson Spring	Hubbell Co.	Broad valley	Qal	6,866	200-225	11-8-52	18.0	64	233	I, S	Bushman and Valentine, 1954	CA (reported as 5S.14W.9.234a).
29	5S.14W.9.412	335311-1081808	SotoLee Spring	—	—	—	—	—	8-23-79	19.0	66	236F	—	*	CA; TA. Probably same spring as 5S.14W.9.234a.
30	5S.14W.18.000	—	Diego Springs	—	Edge of plains	Qal	6,825	S	—	—	—	—	S	Bushman and Valentine, 1954	Flow intermittent.
31	5S.15W.22.331	335120-1082358	Dark Canyon	—	Bottom of Dark Canyon	—	7,600	10	11-18-52	13.5	56	294	S	Bushman and Valentine, 1954	CA (reported as 5S.15W.22.330). Storage tank. Reportedly 50 gpm in past.
								—	7-11-72	—	—	300	—	Blodgett and Titus, 1973	CAR (reported as 5S.15W.22.314).
32	5S.15W.36.300	334930-1082140	Rael Canyon	D.Z. Rael Estate	Rael Canyon	—	7,375	VS	11-18-52	10.0	50	301	S	do.	CA; piped to steel tank, small dam, and settling pit.
33	5S.16W.3.131	335407-1082958	Tularosa Spring	Aragon Family	Mouth of tributary canyon to Tularosa River	Qal	6,810	2,000E	11-20-52	21.0	70	236	S,I	Bushman and Valentine, 1954	CA.
								1,500	1-27-53	—	—	—	I	do.	—
								1,000	11-8-54	20.0	68	234	S,I	*	CA; TA.
								—	7-10-72	—	—	332		Blodgett and Titus, 1973	CAR.

Table 3.—Physical characteristics of springs in Catron County—Continued

Number in figure 5	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
33	5S.16W.3.131	335407-1082958	Tularosa Spring	Aragon Family	Mouth of tributary canyon to Tularosa River	Qal	6,810	—	11-29-78	20.0	68	240	S,I	*	CA; TA.
34	5S.19W.35.132	334953-1084758	Frisco Hot Springs	—	Right bank of canyon	do.	6,510	—	5-22-58	36.5	98	284	—	*	CA; TA; point of collection was pipe entering bath house.
35	5S.20W.11.432	335248-1085335	—	—	Valley	do.	7,075	—	5-22-58	11.5	53	412	S, I	*	CA; spring at contact of Qal and andesite.
36	6S.16W.16.400	—	Willow Spring	USFS	Squirrel Springs Canyon	—	7,750	VS	11-14-52	8.5	47	369	S	Bushman and Valentine, 1954	Piped to log troughs.
37	8S.16W.27.122	333502-1082842	Turkey Spring	Hubbell Co.	Draw near Continental Divide	—	8,060	0.3M	12-3-52	5.5	42	173	S	do.	CA; reported flow of 1 to 2 gpm; went dry summer 1952.
38	8S.21W.24.323	333536-1085742	—	USFS	Valley flat, Pueblo Creek	QTg	6,170	—	5-17-57	13.5	56	381	D, S	*	CA; TA; Apache National Forest.
39	12S.13W.31.100	331237-1081335	—	do.	Valley of Gila River, west fork	QTb	—	—	7-21-67	64.5	150	771	—	*	CA.

Table 3.—Physical characteristics of springs in Catron County—Concluded

Number in figure 5	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
40	12S.14W.24.411	331400-1081430	Boundary Hot Spring	N. Mex. Dept. of Game and Fish	Left canyon wall of middle fork, Gila River	Tb	5,700	5	7-24-62	60.5	141	767	D, P, S	Trauger, 1963	CA.
41	12S.14W.27.224	331335-1081610	Cold Spring	NPS		QTg	5,800	2	7-17-62	—	—	289	P	Trauger, 1963	CA; Gila Cliff Dwellings Nat. Mon.
42	12S.20W.23.321	331441-1085252	San Francisco Hot Springs	USFS	Terrace, east bank of San Francisco River	QTb	4,570	20	5-16-53	46.5	117	1,930	—	*	CA.
								—	6-13-58	43.0	109	1,660	D, C	*	CA; TA.
								—	12-5-74	35.0	95	1,200	—	*	CA.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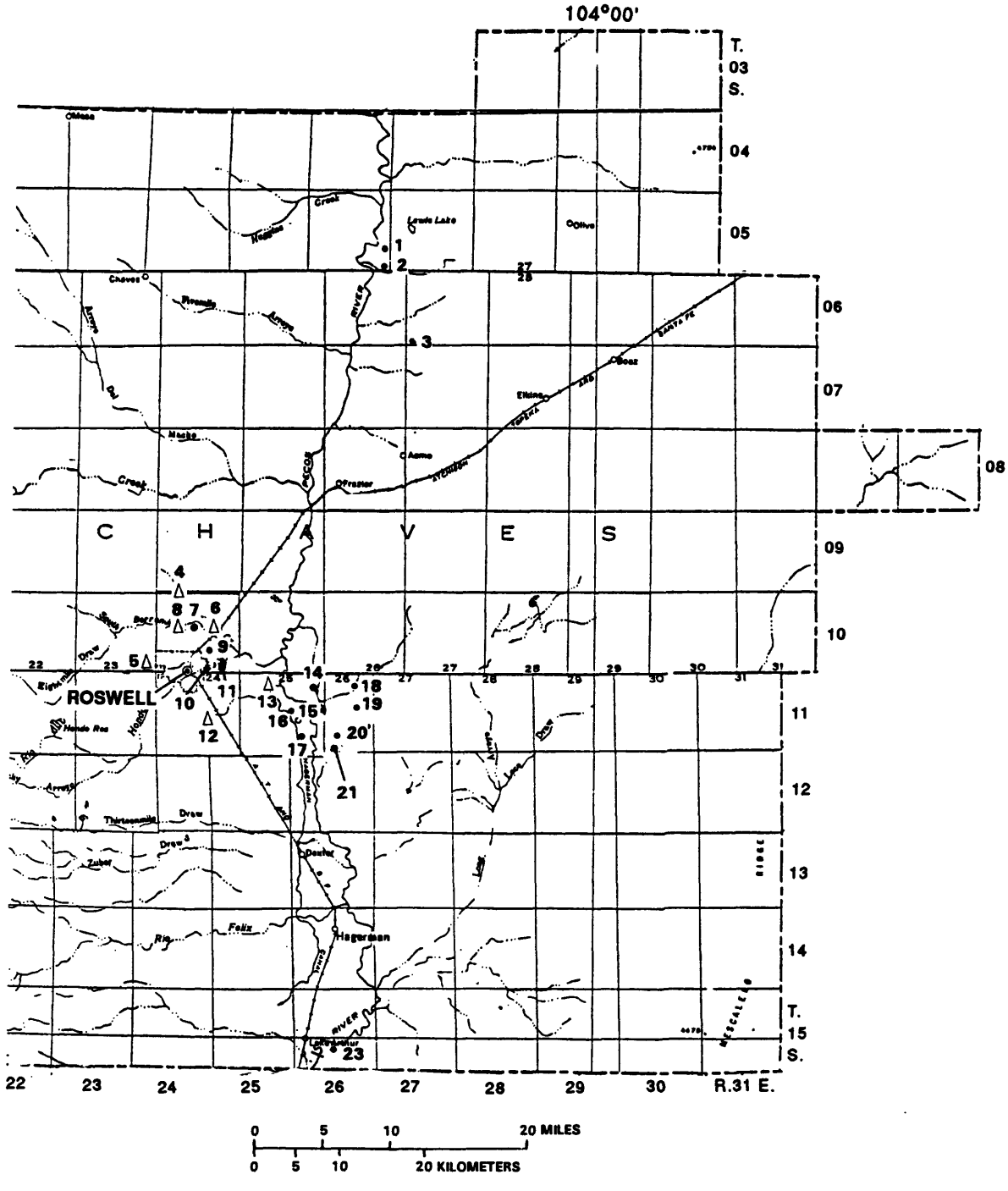


Figure 6.--Location of inventoried springs in Chaves County.

Table 4.--Physical characteristics of springs in Chaves County

Number in figure 6	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
1	5S.25E.24.444	335104-1041546	Sixmile Spring	--	Sixmile Draw	--	3,695	5.5	03-13-39	--	--	2,950	--	*	CA.
2	5S.25E.36.423	334932-1041554	Crockett Spring	--	Crockett Draw	--	3,705	2	03-13-39	--	--	3,570	--	*	CA.
3	6S.27E.30.313	334544-1041423	Bosque Spring	--	Arroyo bottom	Qal	3,815	--	03-10-39	--	--	3,050	--	*	CA.
								--	12-13-56	18	64	2,800	--	*	Sample collected from spring pool.
4	10S.24E.32.100	332855-1043205	North Berrendo Spring	--	Middle Berrendo Creek	--	3,600	14,918	1900	--	--	--	--	*	--
								2,240	1926	--	--	--	--	Meinzer, 1927	Meinzer cites W.A. Wilson, County Surveyor, as a source for the yield estimate.
								0	1932	--	--	--	--	*	--
5	10S.23E.36.200	332420-1043345	North Spring River Spring	--	Gravel pit at head of North Spring River	--	3,600	22,400	02- -1889	--	--	--	--	--	--
								34,496	11-06-01	--	--	--	--	Meinzer, 1927	Meinzer cites F.H. Newell and W.A. Wilson as sources for early yield estimates.
								0	1926	--	--	--	--	do.	do.

Table 4.--Physical characteristics of springs in Chaves County--Continued

Number in figure 6	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
6	10S.24E.14.100	332700-1042910	Middle Berrendo Spring	--	Near Arthur Lake	--	3,550	14,918	1900	--	--	--	--	*	--
								1,344	1926	--	--	--	--	Meinzer, 1927	--
								0	1932	--	--	--	--	*	--
7	10S.24E.16.231	332648-1043050	--	--	Berrendo Creek	--	3,560	--	02-10-39	--	--	2,440	--	*	CA.
8	10S.24E.17.200	332645-1043140	South Berrendo Spring	--	do.	--	3,590	14,918	1900	--	--	--	--	*	--
								0	1926	--	--	--	--	Meinzer, 1927	--
9	10S.24E.22.441	332534-1042950	--	Roswell Country Club	Inflow to artificial lake	Qal	3,560	175	08-15-52	--	--	6,550	--	*	CA. Used to fill country club lake.
								--	01-19-53	--	--	6,670	--	*	CA.
								--	01-25-54	18.0	64	6,920	--	*	CA.
10	10S.24E.34.221a	332427-1042927	--	E.W. Lander	Bluff overlooking North Spring River near confluence with Rio Hondo	Pat	3,550	150	07-23-52	--	--	5,680	--	*	CA.
								--	08-21-53	--	--	6,380	--	*	CA.
								--	09-13-57	18.0	64	6,210	--	*	CA.
								--	09-14-61	17.0	63	6,190	--	*	CA.

Table 4.--Physical characteristics of springs in Chaves County--Continued

Number in figure 6	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
11	10S.24E.35.220	332430-1042816	--	--	Meander bend south of Rio Hondo's man-made channel	--	3,510	30	03-25-40	--	--	5,400	--	*	CA.
								--	03-31-41			5,330	--	*	CA.
12	11S.24E.22.200	332035-1042925	South Spring River Spring	--	Head of South Spring River	--	3,580	32,704	02-1889	--	--	--	--	Meinzer, 1927	Meinzer cites F.H. Newell for this yield estimate.
								12,544	02- -02	--	--	--	--	do.	Flow rapidly decreased after the drilling of artesian wells in the area.
								0	1904	--	--	--	--	*	--
13	11S.25E.5.400	332307-1042517	--	J.P. White	Artificial lake	Qal	3,470	--	05-14-57	19.5	67	7,690	S	*	Supplies artificial lake.
14	11S.25E.12.111	332213-1042142	--	--	Marsh area	--	3,470	--	02-27-57	--	--	3,640	--	*	CA.
15	11S.25E.13.223	332142-1042058	--	--	Mouth of Comanche Draw	Qal	3,460	--	02-27-57	--	--	7,470	--	*	CA.
16	11S.25E.15.313	332116-1042355	--	--	At road crossing	--	3,460	100	04-10-40	--	--	4,490	--	*	CA.
17	11S.25E.26.400	331918-1042147	--	--	--	--	--	--	04-04-40	--	--	3,920	--	*	CA.

Table 4.--Physical characteristics of springs in Chaves County--Continued

Number in figure 6	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (micro-siemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
18	11S.26E.2.442	332322-1041807	Comanche Spring	I.M. Sartin	Marsh area in Comanche Draw	Pat	3,560	--	11-13-38	--	--	3,310	S	*	CA.
								10-15	07-31-52	--	--	4,160	--	*	CA.
								--	01-26-54	--	--	3,540	--	*	CA.
								1	06-07-71	16.5	62	5,200	--	*	CA.
19	11S.26E.14.441	332139-1041822	--	--	Small arroyo	--	3,565	--	06-07-71	25.0	77	3,030	--	*	CA.
20	11S.26E.27.321	332004-1041955	--	Bottomless Lakes State Park	North end of Figure Eight Lake	--	3,450	--	10-25-39	--	--	5,640	--	--	CA.
21	11S.26E.34.343	331856-1041953	--	do.	South of Lea Lake	Pat	3,460	2	06-14-56	20.5	69	4,230	--	*	CA.
22	15S.17E.13.143	330048-1051335	--	--	Head spring of Rio Felix	Qal	5,470	<448	No date	18.0	64	--	--	Fisher, 1906; Renick, 1926.	CAR.
23	15S.26E.27.232	325920-1041923	--	--	Right bank, Pecos River	Qal	3,335	--	06-04-40	--	--	39,300	--	U.S. Natural Resources Planning Board, 1942	CA. Spring just below gaging station.
24	16S.16E.2.323	325658-1051656	Cleave's Spring	--	Small canyon	Psr	5,920	15	06-02-77	10.0	50	380	D	New Mexico Bureau of Mines and Mining reserves, unpublished	CAR. Spring formerly supplied now-abandoned school. Issues from breccia zone below former orifice.

Table 4.--Physical characteristics of springs in Chaves County--Concluded

Number in figure 6	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
25	16S.16E.3.300	--	Lower Peñasco head spring	--	Rio Peñasco	--	5,720	--	No date	--	--	--		Fisher, 1906; Renick, 1926	CAR.
26	16S.16E.3.434	325638-1051735	Williams and Reeves	--	do.	--	5,720	--	08-04-54	15.0	59	980	I	*	CA. Collection from spring opening in spring area.
27	16S.16E.11.243	325610-1051629	--	Boyd Williams	Off road near cemetery	--	5,700	--	No date	--	--	--	--	--	CA.
								10	08-04-54	15.5	60	431	D, P	*	CA.
28	16S.16E.11.342	325557-1051648	Paul Springs	Charles Mulcock	Bluff of Rio Peñasco	Psr	5,725	--	08-19-25	15.5	60	--	D, S	Renick, 1926	CA. Called Boyd William's Spring by Renick, 1926.
								50.3M	1963	--	--	--	--	Dinwiddie, 1963	--
								--	06-02-77	9.0	48	380	D	Gross and others, 1980	Spring water in perched aquifer.

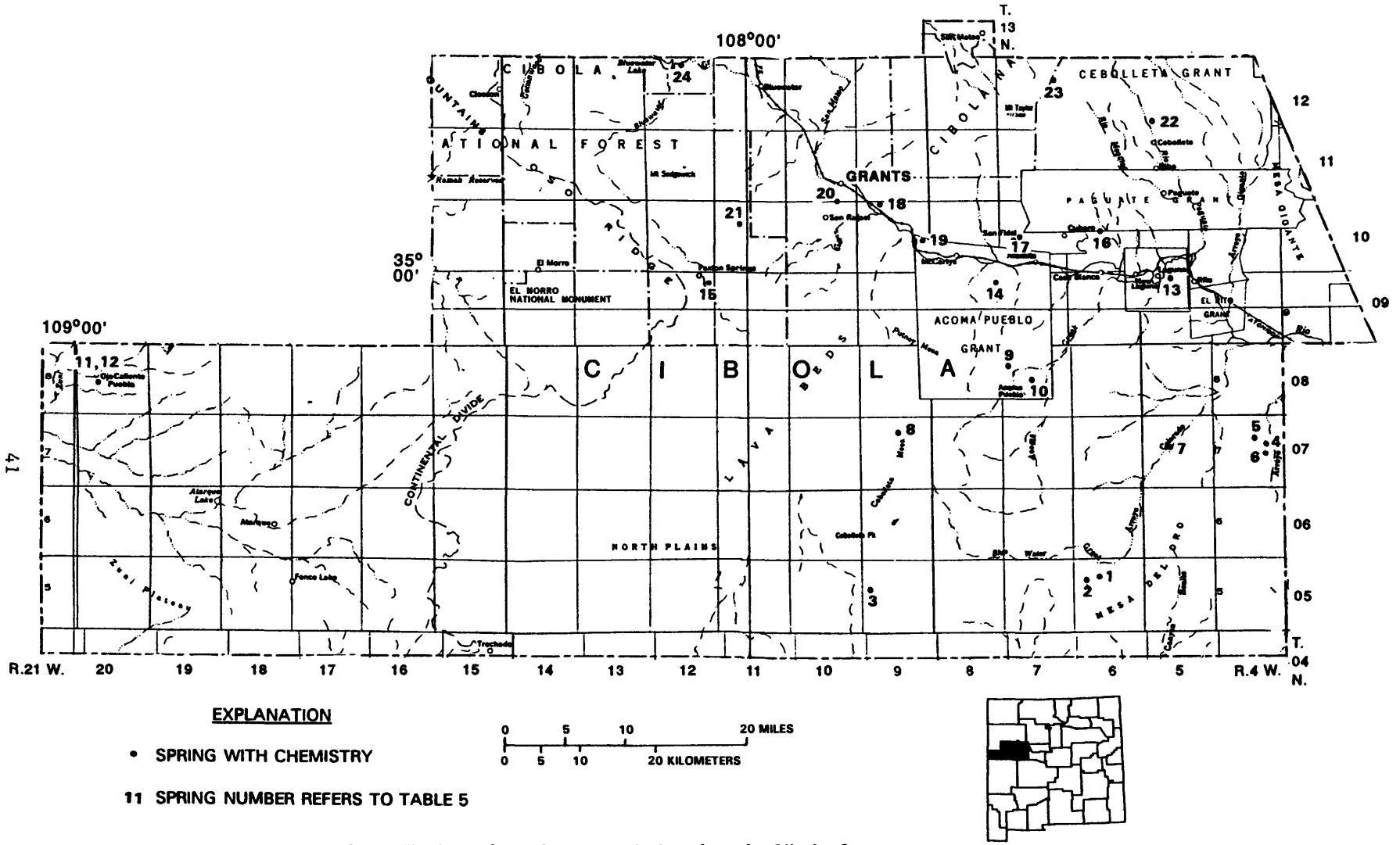


Figure 7.--Location of inventoried springs in Cibola County.

Table 5.—Physical characteristics of springs in Cibola County

Number in figure 35	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
1	5N.6W.5.414	344112-1072917	Salado Spring	—	—	Trc	6,065	2	7-22-54	—	—	3,600	—	*	CA.
								1-2	5-28-75	24.5	76	3,710			
2	5N.6W.6.443	344100-1073015	—	—	—	do.	6,135	1	5-28-75	17.0	63	4,000F	—	*	CA.
3	5N.10W.12.134	344045-1075058	Cebolla Spring	—	—	—	7,415	—	8-29-78	14.0	57	588	—	*	CA.
4	7N.4W.2.144	345155-1071348	Lower Water Spring	Albert Harrington	Vent in valley floor	Qal	—	0.01	9-4-41	18.5	65	—		Titus, 1963	CA.
5	7N.4W.3.344	345122-1071448	—	Albert Harrington	do.	Trc	5,812	—	1941	—	—	—	—	*	CA.
								1.0	2-8-57	9.0	48	—	S	Titus, 1963	Titus (1963) suspected Santa Rosa Formation as water-bearing formation. Water flows from center of travertine mound about 10 feet surrounding topography.
6	7N.4W.11.431	345038-1071338	Lucero Spring	Albert Harrington	Vent in valley floor	do.	5,825	20	9-4-41	16.5	62	—		Titus, 1963	CA.
								5	6-4-57	15.5	60	4,260	S	do.	CA; Titus suspected Santa Rosa Formation as water-bearing formation. Water flows from center of travertine mound about 10 feet above surrounding topography.

Table 5.—Physical characteristics of springs in Cibola County—Continued

Number in figure 35	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
7	7N.5W.20.340	344854-1072312	—	—	—	—	—	3	12-2-41	20.0	68	—		Titus, 1963	CA.
8	7N.9W.9.332	345037-1074744	Cebollita Spring	—	Mesa slope	—	7,520	—	8-9-78	12.0	54	608		*	CA.
9	8N.7W.8.331	345558-1073617	Acoma Springs	Acoma Pueblo Grant	—	Jm	6,275	— 10	9-20-52 1-28-66	— —	— —	1,050 1,050	— —	* Dinwiddie and others, 1966a	CA. CA.
10	8N.7W.28.124	345355-1073452	—	do.	Acoma rock	Jz	—	—	1-28-66	—	—	474	—	*	CA.
11	8N.20W.20.422	345430-1085732	Sacred Spring	Zuni Indian Res.	Faulted anticline	Trc	6,290	—	6-21-78	22.0	75	1,100	—	*	CA; The combined yield of Rainbow and Sacred Springs was reported to be 485 gpm in June 1978.
12	8N.20W.21.144	345438-1085702	Rainbow Spring	Zuni Indian Res.	Faulted anticline	do.	6,320	—	6-21-78	22.5	72	975	—	*	CA; Stearns and others (1937) reported a discharge for the Ojo Caliente Springs (presumably including the above two springs) of 500 gpm.
13	9N.5W.4.133	340219-1072242	—	AT & SF R.R.	—	Qb	5,760	—	3-19-65	—	—	2,280	P	Dinwiddie and others, 1966a	CA; electric power pump installed in spring area. Public supply for community of Old Laguna.

Table 5.—Physical characteristics of springs in Cibola County—Continued

Number in figure 35	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
14	9N.8W.12.123	350138-1073810	Canipa Spring	Acoma Indian Res.	Small valley	—	6,197	—	9-16-52	—	—	1,490	—	*	CA; at head of Canipa Canyon.
15	9N.12W.2.241	350228-1080358	Paxton Spring	Cibola National Forest	do.	—	7,710	25	12-12-33	8.0	46	—	—	*	CA.
16	10N.6W.21.400	350447-1072828	—	Laguna Indian Res.	—	—	—	50	5-12-57	11.0	52	204	—	*	CA.
17	10N.7W.20.411	350487-1073545	—	Cubero Grant	—	—	—	100	2-20-51	8.5	47	571	—	*	CA.
18	10N.9W.6.442	350712-1074913	—	Sidney Gottlieb	Valley flat	Qb	6,401	0.5	5-13-58	10.5	51	3,110	S	Gordon, 1961	CA.
19	10N.9W.23.423	350440-1074508	Horace Springs	—	Valley flat	do.	6,276	2,000	5-13-57	16.0	61	1,170	D,S, I	Gordon, 1961	CA; reported as 10N.9W.23.400; flow issues from a series of openings along and adjacent to Rio San Jose.
20	10N.10W.3.423	350720-1075232	Ojo del Gallo	—	do.	Psa	6,449	3,000	7-12-46	16.0	61	1,070	S,I	Gordon, 1961	CA. CA; spring pool dry since 1953.
21	10N.11W.17.231	350554-1080108	Malpais Spring	Cibola National Forest	Valley	Qb	7,430	70	12-12-33	4.5	40	—	S	do.	CA; formerly used by locomotives on lumber railroad.

Table 5.—Physical characteristics of springs in Cibola County—Concluded

Number in figure 35	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
22	12N.5W.32.331	351315-1072350	—	MDWSWA of Seboyeta	—	Kmv	6,535	10	3-9-65	—	—	429	P	Dinwiddie and others, 1966a	CA; Cebolleta Grant.
23	12N.7W.11.300	351638-1073246	Elkin's Spring	Summer Camp	—	—	9,250	5	8-29-62	7.0	45	257	—	*	CA.
24	12N.12W.4.224	351806-1080630	—	—	Canyon	—		—	8-17-63	13.0	55	770	—	*	CA.

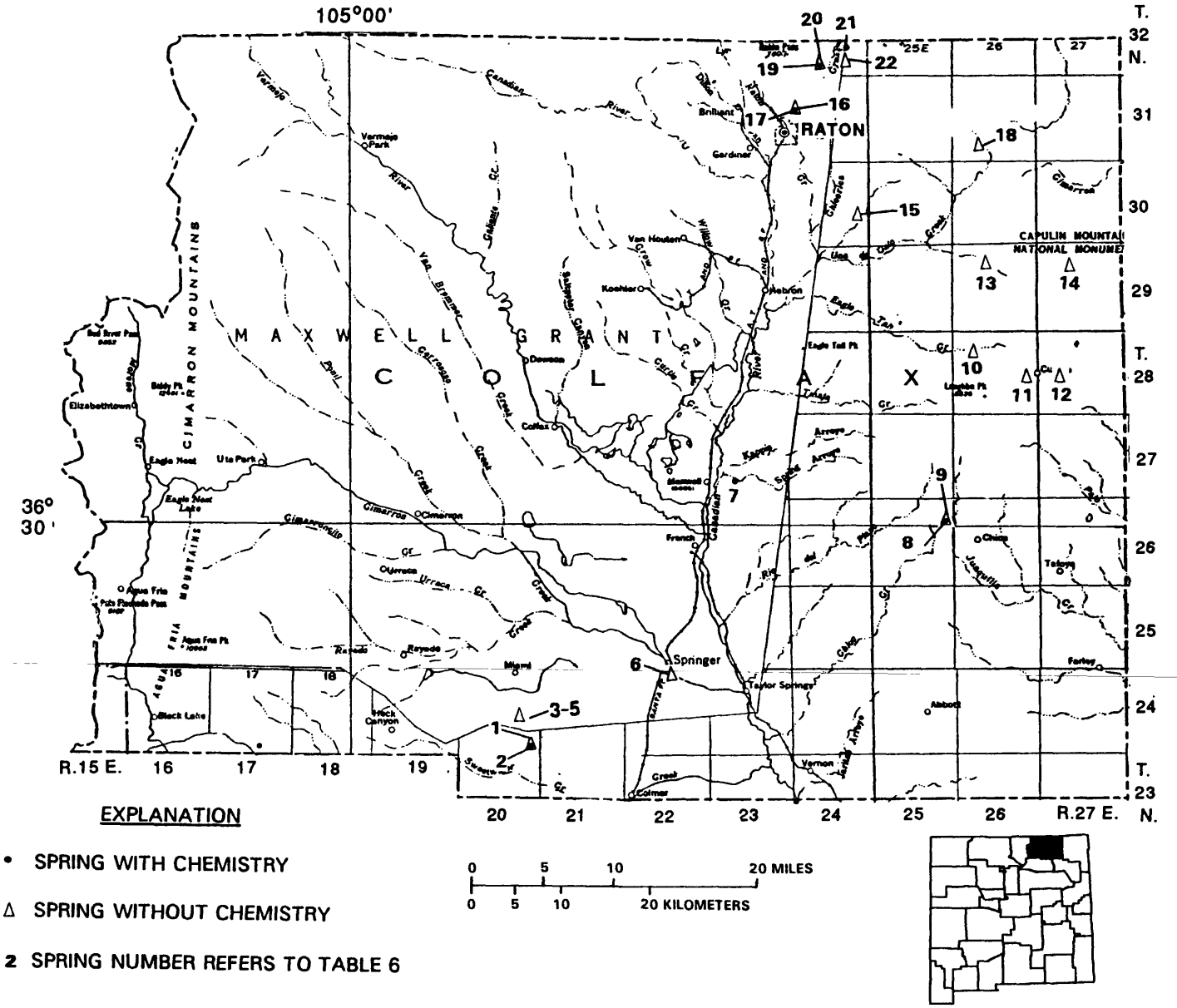


Figure 8.--Location of inventoried springs in Colfax County.

Table 6.--Physical characteristics of springs in Colfax County

Number in figure 8	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
1	24N.20E.25.100	361712-1044613	--	J.T. Fernandez	Mesa slope	QTp	--	4	--	--	--	--	--	Griggs, 1948	--
2	24N.20E.25.200	361740-1044611	--	do.	do.	do.	--	7	10-15-46	--	--	641	D	do.	CA.
3	Beaubien and Miranda Grant	361740-1044611	--	do.	do.	do.	7,090	13	--	--	--	--	--	do.	(S28, Griggs). Four miles southeast of Miami.
4	do.	361729-1044615	--	do.	do.	do.	7,080	1.5	--	--	--	--	--	do.	(S29, Griggs). Four miles southeast of Miami.
5	do.	361724-1044612	--	do.	do.	do.	7,080	7	--	--	--	--	--	do.	(S30, Griggs). Four miles southeast of Miami.
6	do.	362049-1043437	West Spring	P.M. Bowen	Edge of valley	Qal	--	12	03-08-46	--	--	--	--	do.	(S31, Griggs). One mile southeast of Springer.
7	do.	363235-1043005	--	--	Edge of pediment	QTp	5,980	50-75	--*	--	--	--	D	do.	(S27, Griggs). Two miles east of Maxwell.
								--	09-24-45	--	--	1,160	--	do.	CA.
8	26N.25E.12.314	362954-1041421	Chico Spring	C.W. Roundtree	Edge of basalt flow	Qal	--	100	04-07-46	--	--	580	D,S,I	do.	CA.
9	26N.25E.12.400	--	Rocky Arroyo Spring	do.	do.	do.	--	40	--	--	--	--	S,I	do.	--

Table 6.--Physical characteristics of springs in Colfax County--Continued

Number in figure 8	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
10	28N.26E.8.114	364045-1041208	--	T.L. Roach	Blosser Arroyo	Kpn	6,855	--	05-11-77	11.0	52	2,050	S	Hart and Smith, 1979	--
11	28N.26E.24.311	363846-1040754	--	E.B. Weir	Arroyo	Kgg	7,040	--	07-12-77	13.0	55	310	S	do.	--
12	28N.27E.20.133	364048-1040545	Kiowa Springs	A. Stockton	Hillslope	Knf	7,120	--	07-13-77	--	--	--	S	do.	--
13	29N.26E.9.314	364532-1041102	--	NRA	Base of mesa	Qal	6,880	--	05-09-77	17.0	63	350	S	do.	--
14	29N.27E.9.133	364546-1040440	--	J. King	do.	Ql	6,895	--	05-04-77	13.0	55	390	S	do.	--
15	30N.24E.24.300	--	--	Mr. Barnum	Edge of pediment	QTp	--	7	01-01-46	--	--	--	D	Griggs, 1948	--
16	Beaubien and Miranda Grant	--	--	--	Base of mesa cap	Qb	--	15	--	--	--	--	--	do.	(S25, Griggs). Two miles north of Raton, west of road.
17	do.	365618-1042505	Sunshine Dairy	--	do.	do.	--	10	--	--	--	--	--	do.	(S26, Griggs). Two miles north of Raton, east of road. Latitude and longitude approximated.
								--	02-13-46	--	--	285	--	do.	CA. TA.
18	31N.26E.28.312	365330-1041105	Dale Springs	--	Mesa slope	QTp	7,710	75	--	--	--	--	--	do.	South slope of Johnson Mesa.

Table 6.--Physical characteristics of springs in Colfax County--Concluded

Number in figure 8	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
19	Beaubien and Miranda Grant	365816-1042348	Snake Gulch	--	Mesa cap	Qb	--	8	--	--	--	--	--	Griggs, 1948	(S23, Griggs). East slope of Bartlett Mesa.
								--	02-13-46	--	--	284	--	do.	CA. Spring issues from fractures. Latitude and longitude approximated.
20	do.	--	--	--	do.	do.	--	25	--	--	--	--	--	do.	(S24, Griggs). East slope of Bartlett Mesa. Spring issues from fractures.
21	32N.24E.23.400	365917-1042102	Turkey Creek Spring	Lewis Tretler	Mesa slope	TKr	--	4	--	--	--	--	--	do.	West slope of Barela Mesa, north spring. Latitude and longitude approximated.
									02-12-46	--	--	213	--	do.	CA. TA.
22	32N.24E.26.200	--	--	--	do.	do.	--	8	--	--	--	--	--	do.	--

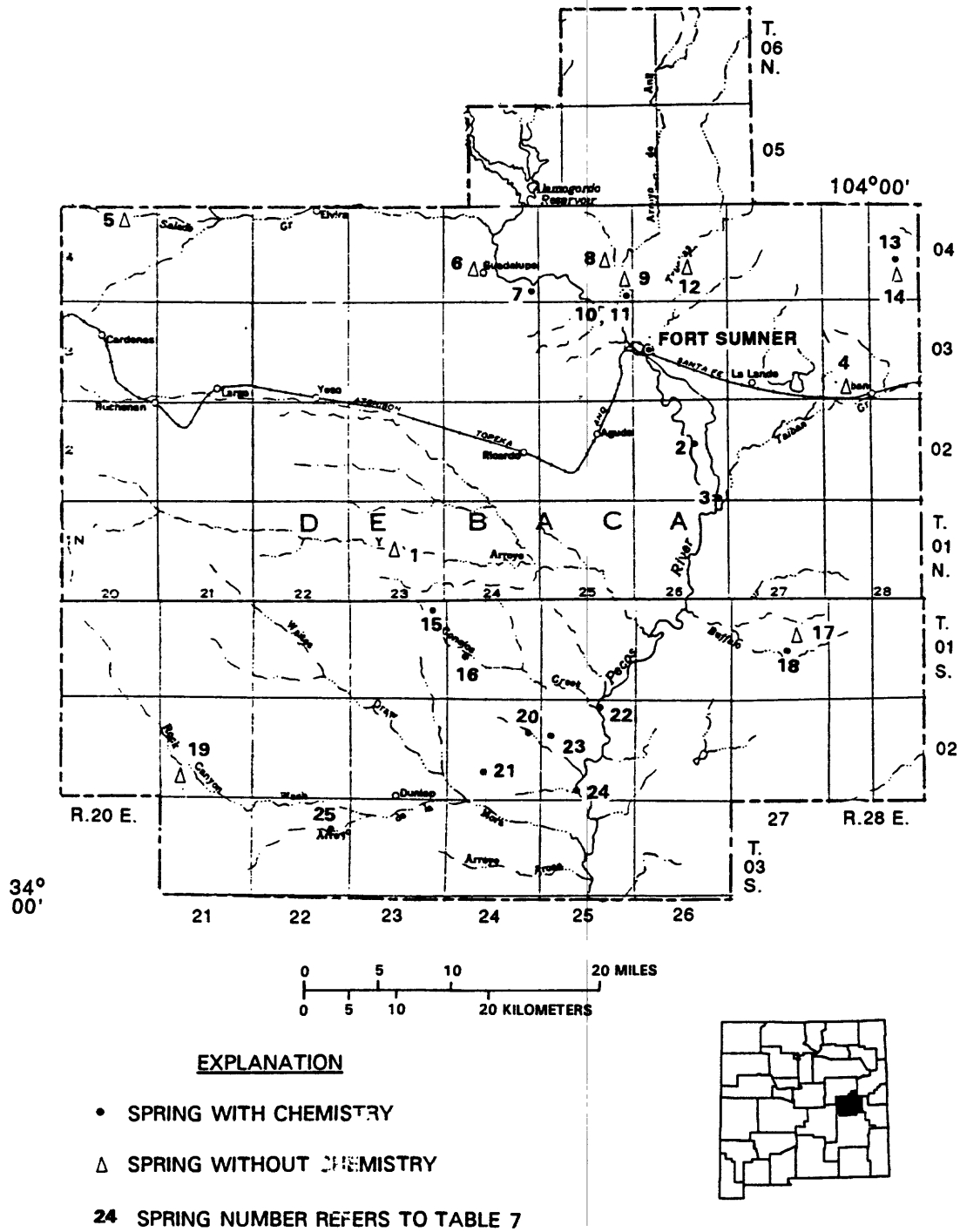


Figure 9.--Location of inventoried springs in De Baca County.

Table 7.--Physical characteristics of springs in De Baca County

Number in figure 9	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
1	1N.23E.15.423	--	La Concucion	G. Fields	Hillside, north of Yeso Creek	Trs	4,428	--	--	--	--	--	--	Mourant and Shomaker, 1970	No flow. Ruins at site.
2	2N.26E.15.214	342412-1041150	--	--	Left bank of Pecos River	--	3,950	--	12-15-39	--	--	3,450	--	*	CA. Location number approximated. Seep, left bank of Pecos River; flows into no. 1 drain at river's edge.
								10	02-26-40	--	--	4,210	--	*	CA.
3	2N.26E.36.313	342106-1041023	--	--	do.	--	3,919	0.1	06-10-40	--	--	2,210	--	*	CA. Reported 2N.26E.35.000; location number approximated. Seep near mouth of lower drain at head of drainage.
								--	04-01-41	--	--	2,090	--	*	CA.
4	3N.28E.32.444	--	Taiban Spring	Triangle Cattle	Arroyo	Trc	4,100	3	09- -66	19.0	66	1,500	S	Mourant and Shomaker, 1970	South embankment of AT&SF R.R.
5	4N.20E.1.340	--	--	Ben Good	Salado Creek	Pat	4,829	--	--	--	--	--	S	*	--
6	4N.24E.28.443	--	Tiger Spring	Trujillo	Tigre Arroyo	Trs	4,205	--	--	--	--	--	--	Mourant and Shomaker, 1970	--
7	4N.24E.36.211	343203-1042227	Sand Spring	Steele Ranch	Right cliff bank of Pecos River	do.	4,180	--	02-27-40	--	--	703	S	do.	CA. Composite spring.
								10	07-19-65	18	64	703	S	do.	CA.

Table 7.--Physical characteristics of springs in De Baca County--Continued

Number in figure 9	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
8	4N.25E.23.421	--	Indian Spring	Walton Ranch	Channel of Arroyo de Anil	Trs	4,180	--	--	--	--	--	--	Mourant and Shomaker, 1970	Called Old Water Hole on Windmill Draw topographic map, 1965.
9	4N.25E.25.334	--	--	Moody Brassell	do.	do.	4,110	2	02- -66	--	--	1,300	S	do.	--
10	4N.25E.36.123	343200-1041630	Carretas Spring	do.	do.	Trc	4,120	2	02-24-66	16.0	61	941	D,S	do.	CA.
11	4N.25E.36.232	343155-1041600	--	do.	Arroyo	Qab	4,150	1	02-24-66	9.0	48	642	S	do.	CA. Piped to galvanized tank for stock.
12	4N.26E.22.142	--	--	Wiley Grizzle	Stream channel	Trc	4,233	5	03- -67	--	--	1,400	S	do.	--
13	4N.28E.23.441	343310-1035810	--	Scott R. Brown	Hillside	do.	4,611	10	12-09-65	14.5	58	826	D,S	do.	CA. Perennial spring.
14	4N.28E.26.311	--	Peach Canyon Spring	do.	do.	To	4,619	20	12- -65	16.0	61	600	S	do.	Reported as 4N.28E.26.134 and unnamed.
15	1S.23E.1.313	341454-1042908	Conejos Spring	--	Head of Little Conejos Creek	--	4,348	NV	12-11-39	--	--	865	--	*	CA.
16	1S.24E.20.442	341212-1942613	Mum Spring	John Trigg	Channel of Conejos Creek	Pat	4,090	--	12-11-39	--	--	3,220	--	Mourant and Shomaker, 1970	CA.
17	1S.27E.14.121	--	Black Spring	Ben Hall	Hollow	Trc	4,132	--	--	--	--	--	S	do.	Specific conductance exceeds 6,000.

Table 7.--Physical characteristics of springs in De Baca County--Concluded

Number in figure 9	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (micro-siemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
18	1S.27E.22.333	341220-1040600	Cibolo Spring	Ben Hall	Hillside	Trc	4,080	1	03-01-66	--	--	640	S	Mourant and Shomaker, 1970	CA.
19	2S.21E.29.332	--	Burro Spring	Melvin R. Key	do.	Qab	4,600	--	--	16	61	2,300	--	do.	--
20	2S.24E.13.231	340815-1042222	Blanco Spring	--	Channel of Blanco Canyon	--	3,985	--	12-12-39	--	--	3,300	--	*	CA.
21	2S.24E.28.133	340726-1042603	Lovelady Spring	Tom Deck	Head of Lovelady Draw	Pat	4,055	--	12-15-39	--	--	2,950	S	Mourant and Shomaker, 1970	CA.
22	2S.25E.3.312	340944-1041837	Shaw Spring	John Trigg	Arroyo in Pecos Valley flat	do.	3,815	15	12-12-39	--	--	3,110	S	do.	CA. Reported as 2N.25E.4.411, altitude 3,875.
23	2S.25E.18.343	340740-1042138	Blanco Spring (#2)	--	Channel of Blanco Canyon	--	3,930	--	12-12-39	--	--	2,980	--	*	CA.
24	2S.25E.33.111	340552-1041936	Salt Spring	Sea Cattle Co.	Valley flat	Pat	3,775	2	10-19-40	--	--	18,950	--	Mourant and Shomaker, 1970	CA.
25	3S.22E.14.211	340320-1043604	Mora Springs	W.M. Key, Sr.	Arroyo de la Mora	do.	4,200	--	09-30-65	--	--	2,720	S	do.	CA.

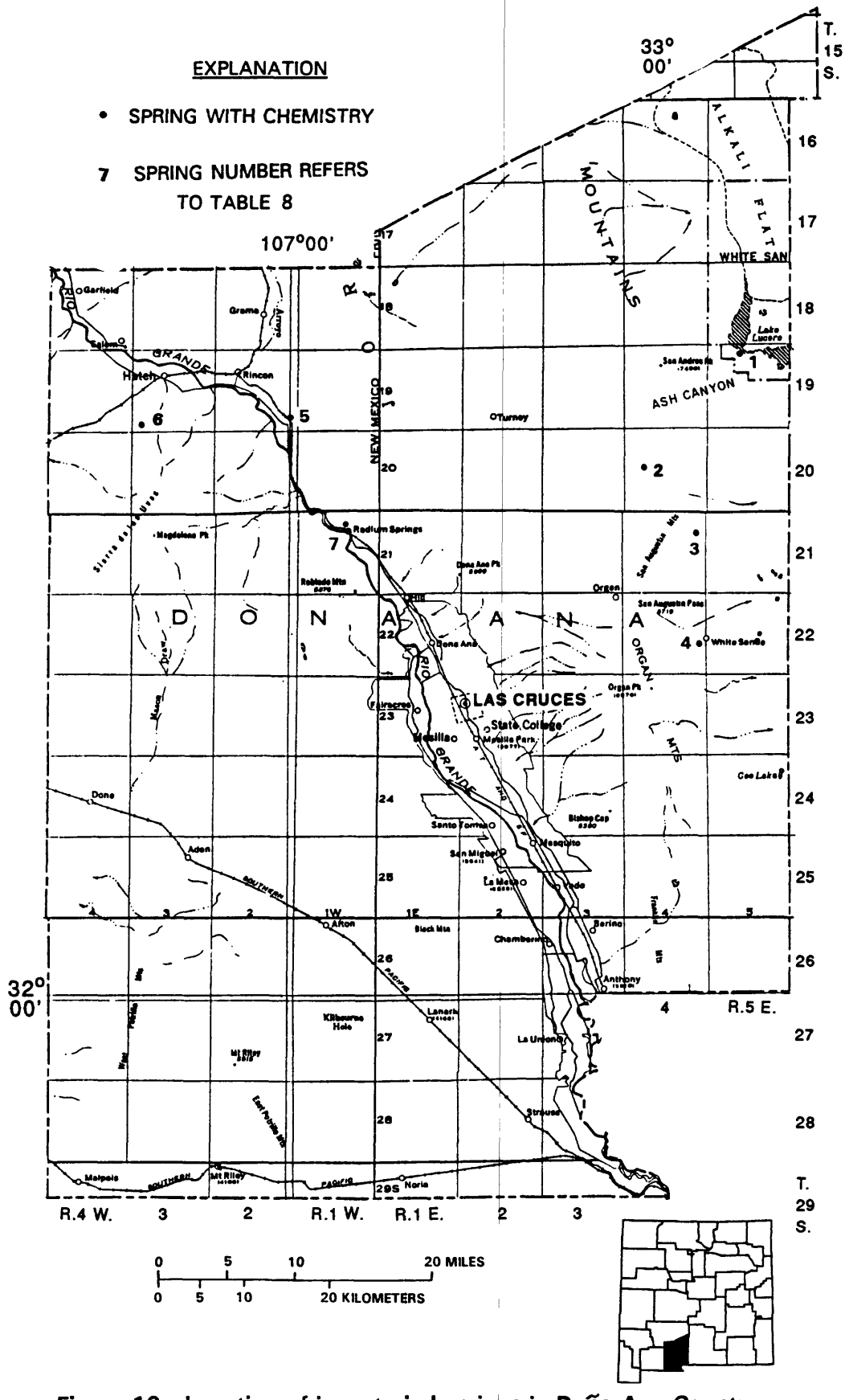
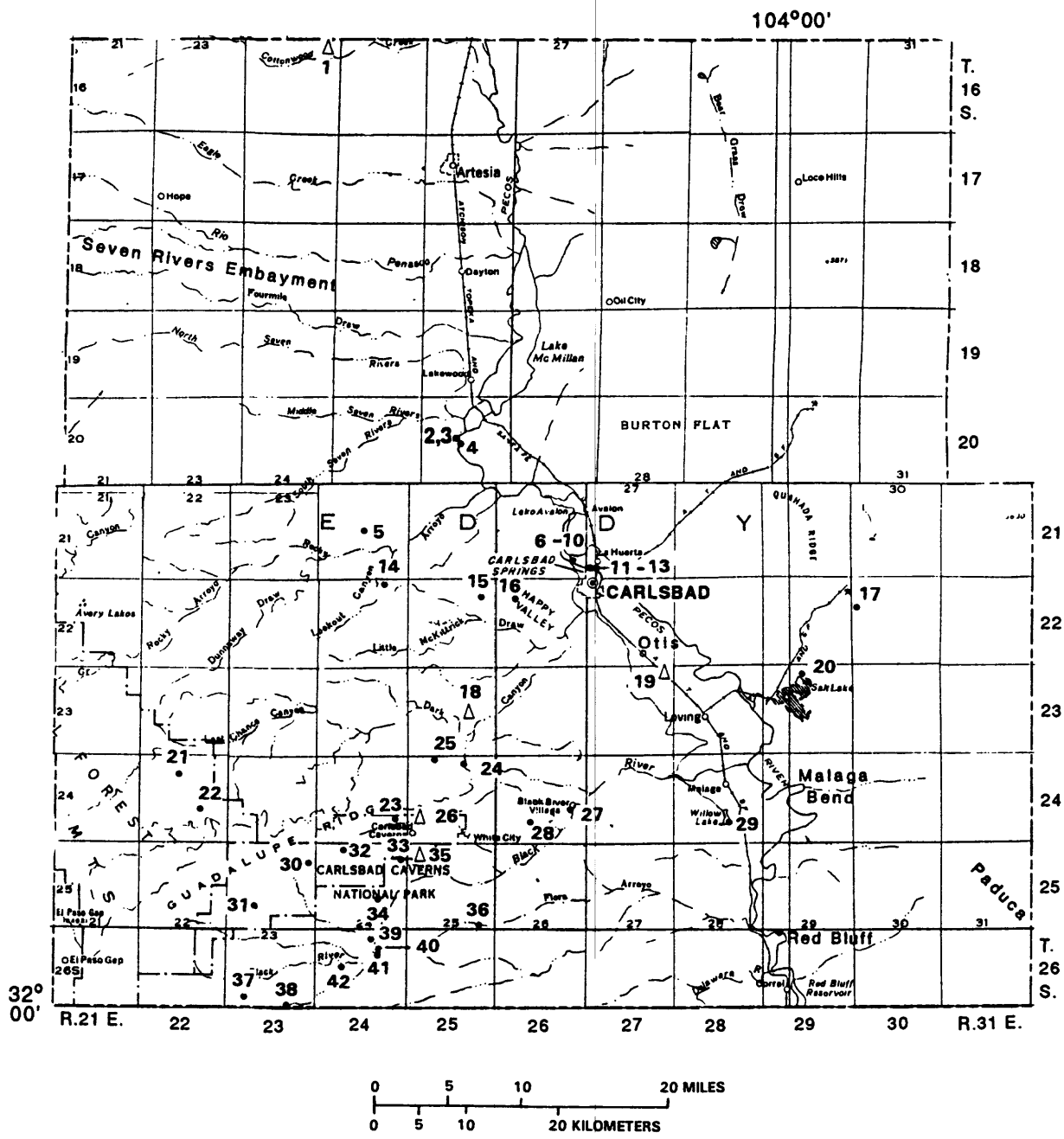


Figure 10.--Location of inventoried springs in Doña Ana County.

Table 8.--Physical characteristics of springs in Doña Ana County

Number in figure 10	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
1	19S.5E.4.100	--	--	White Sands Proving Grounds	Playa	Qal	3,900	--	1911	--	--	--	--	McLean, 1970	CAR.
2	20S.4E.17.432	323358-1063328	Burke Spring	USFS Jornada Experimental Range	Bottom of small canyon	--	5,500	2	08-26-62	23.0	73	987	--	do.	CA.
3	21S.4E.12.413	322934-1062915	Bonney Spring	White Sands Proving Grounds	Arroyo on hillside	Qal	4,970	1	06-11-60	21.0	70	913	--	do.	CA.
4	22S.4E.24.000	322246-1062914	Globe Spring	Fort Bliss Military Reserve	Arroyo	--	--	23	04-24-45	--	--	334	--	do.	CA.
5	19S.2W.36.213A	323657-1065953	--	--	Edge of Rio Grande flood plain	Tsf	--	--	01-31-74	--	--	7,380	--	*	CA; TA. Iron = 40 micrograms per liter.
6	19S.3W.31.343	323624-1071120	Souse Spring	Village of Hatch	Arroyo	QTs?	4,540	60	05-25-65	--	--	465	P	Dinwiddie and others, 1966b	CA; TA; aqueduct carries water to Hatch.
7	21S.1W.10.213	323005-1065545	--	--	Edge of Rio Grande flood plain	--	3,950	--	04-29-57	53.0	128	6,210	C	*	CA; Radium Springs.



EXPLANATION

- • SPRING WITH CHEMISTRY
- Δ SPRING WITHOUT CHEMISTRY
- 38 SPRING NUMBER REFERS TO TABLE 9

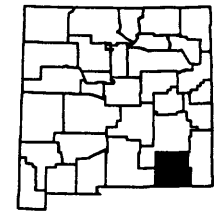


Figure 11.--Location of inventoried springs in Eddy County.

Table 9.--Physical characteristics of springs in Eddy County

Number in figure 11	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
1	16S.24E.12.131	325624-1043257	--	Jess Funk	Cottonwood Creek	Psa	3,539	900	08-28-68	--	--	1,910	S,I	*	Artesian spring.
2	20S.26E.21.112	323350-1042322	Bubbling Spring	--	Pecos River bank	Psr	3,220	Low flow	03-10-41	--	--	4,820	--	*	CA. O.E. Meinzer and others (1927) cite a study done by Foster and Yates that showed a connection between the level of Lake McMillan and yield of Major Johnson Springs.
3	20S.26E.21.143	323333-1042325	Twin Boils Spring	--	Major Johnson Springs area along Pecos River 4 miles SW of Lake McMillan	do.	3,220	--	10-11-49	--	--	4,220	--	*	CA.
								--	12-30-64	18.0	64	4,840	--	*	CA.
4	20S.26E.21.443	323312-1042309	Flat Rock Spring	--	do.	do.	3,220	5	05-05-49	--	--	3,440	--	*	CA.
								--	12-30-64	18.0	64	2,820	--	*	CA.
5	21S.24E.22.123P	322717-1042918	Indian Big Spring	--	In Rocky Arroyo	Qal	3,600	--	04-24-38	17.0	63	1,170	--	*	CA. Seven Rivers Hills.
								500-1,000	No date	--	--	--	--	Hendrickson and Jones, 1952.	--

Table 9.--Physical characteristics of springs in Eddy County--Continued

Number in figure 11	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
6	21S.26E.25.331	322645-1041511	Carlsbad Spring	--	Bank of Pecos River	Pcp	3,100	--	08-25-39	--	--	4,210	--	Hale, 1945.	CA.
					Sampled from water passing over weir	--	--	--	03-10-49	--	--	4,370	--	*	CA. Hale (1945) reported, "The Carlsbad Spring area is comprised of a group of springs emerging along the banks and in the channel of the Pecos River from Tansill Dam, east of the city, to slightly beyond Carlsbad Spring about 2½ miles upstream from the dam." The combined discharge of the springs measured between Feb. 1940 and Jan. 1941 varied from about 23,600 to 30,550 gpm. Hale reported that "the Carlsbad Spring area is more highly mineralized than that found in wells in the limestone." For more spring information and chemical analysis see Hale (1945).
								--	12-31-64	19.5	67	1,750	--	*	CA.

Table 9.--Physical characteristics of springs in Eddy County--Continued

Number in figure 11	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
6	21S.26E.25.331 (Continued)		Carlsbad Spring	--	Small springs on west side of Pecos River	--	--	--	03-07-40	--	--	1,640	--	Hale, 1945	CA.
			do.	--	Small spring on east side of Pecos River	--	--	--	07-11-38	20.5	69	2,770	--	do.	CA.
								8	02-01-55	--	--	3,300	--	*	CA.
7	21S.26E.25.333	322643-1041510	Carlsbad Spring #14	--	Along Pecos River	Qal	3,105	--	05-21-49	--	--	4,680	--	Hendrickson and Jones, 1952	CA. Concrete tank. Spring area on south bank of Pecos River. Greater than 2,000 gpm yield for entire Carlsbad Spring area.
8	21S.26E.25.334	322640-10415503	Carlsbad Spring #16	--	--	do.	3,105	3	01-18-61	19.5	67	3,390	--	*	CA.
9	21S.26E.25.343	322636-1041500	Carlsbad Spring #9	--	--	Qal	3,105	50	01-31-55	20.0	68	3,710	--	*	CA. One-half mile upstream from Country Club.
10	21S.26E.36.114	322623-1041459	--	--	In arroyo at Carlsbad Country Club	--	3,100	--	04-18-55	--	--	3,250	--	*	CA.
11	21S.27E.31.131	322620-1041408	Carlsbad Spring #5	--	Along Pecos River	--	3,100	100	01-17-61	20.0	68	1,720	--	*	CA. Flowing from swimming pool; 6-inch pipe full.

Table 9.--Physical characteristics of springs in Eddy County--Continued

Number in figure 11	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
12	21S.27E.31.142	322618-1041348	Carlsbad Spring #3	--	Right bank of Pecos River	--	3,100	224	02-04-44	--	--	4,190	--	*	CA. About 350-375 yards above bathing beach. Numerous springs in area. Sand boils all around.
13	21S.27E.31.213	322621-1041342	Carlsbad Spring #29	--	--	--	3,100	25	02-01-55	--	--	5,350	--	*	CA.
14	22S.24E.2.324	322500-1042811	Little Walt Spring	--	Little Walt Canyon	Pcp	--	--	08-09-54	--	--	552	--	*	CA. Seep.
							3,850	1	--	--	--	--	S	Hendrickson and Jones, 1952	--
15	22S.25E.12.120	322450-1042110	McKitrick Springs	Frank Jones	Shallow valley	--	3,520	>5	05-27-49	--	--	548	D,S,I	do.	CA. Crevice; diversion ditch.
16	22S.26E.8.111	322442-1041922	Lancaster Spring	Leck	Side of Hackberry Hills in draw	Pcp	3,400	--	04-11-48	17.0	63	652	--	*	CA.
17	22S.30E.18.110	322340-1035545	--	--	Nash Draw	--	3,050	--	04-18-75	--	--	184,000	--	*	CA. TA.
18	23S.25E.23.324	321707-1042154	Yellow Jacket Spring	--	Draw in hills	Pcp	3,650	<1M	11-12-47	--	--	--	S	Hendrickson and Jones, 1952	Small cavern. Piped to storage tank.
19	23S.27E.1.400	321952-1040820	Cass Draw Springs	--	Cass Draw	Qal	3,025	450	1937	--	--	--	--	do.	Seep.
20	23S.29E.4.430	321940-1035935	--	--	Near shore of Salt Lake	--	2,950	--	10-23-40	--	--	11,600	--	U.S. National Resources Planning Board, 1942	CA.
								--	04-19-75	--	--	233,000	--	*	CA. TA.

Table 9.--Physical characteristics of springs in Eddy County--Continued

Number in figure 11	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (micro-siemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
21	24S.22E.9.214	321410-1044205	Sitting Bull Spring	--	Sitting Bull Canyon in stream	Psr	5,000	--	11-23-54	--	--	657	--	*	CA. Spring at contact between San Andreas and Cherry Canyon Formations.
22	24S.22E.25.343	321051-1043927	Dark Canyon Head-waters Springs	--	Dark Canyon	Qal	5,050	1,000	05-01-49	10.5	51	575	D,S,I	Hendrickson and Jones, 1952	CA. Dam and diversion ditch.
23	24S.24E.25.333	321055-1042730	Oak Spring #2, National Park Service	NPS	Walnut Canyon	--	4,200	--	09- -61	--		499	S	*	CA. Formerly supplied water for Carlsbad Caverns National Park; now used by wildlife.
24	24S.25E.3.422	321438-1042235	Robb Springs	--	Juniper Canyon (upper spring)	--	3,700	--	03-08-48	8.0	46	1,080	S	*	CA. Source water for spring is perched by a dolomite and chert layer.
25	24S.25E.5.220	321455-1042435	Mosley Springs	--	Near roadside in Mosley Canyon	--	3,750	--	05-01-49	--	--	837	--	*	CA.
26	24S.25E.30.430	321055-1042550	--	Carlsbad Caverns	Walnut Canyon	--	4,400	2-3	--	--	--	--	P	Hendrickson and Jones, 1952	Seep.
27	24S.26E.23.441	321150-1041530	Castle Springs	--	Tributary to Black River	Qal	3,225	180-270	10-20-53	--	--	1,620	I	Erickson, 1955	CA. Part of flow is return from irrigated lands.

Table 9.--Physical characteristics of springs in Eddy County--Continued

Number in figure 11	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
28	24S.26E.28.344	321052-1041752	Blue Springs	--	Shallow draw	Qal	3,320	--	07-23-40	--	--	1,350	--	U.S. National Resources Planning Board, 1942	CA.
								5,000-6,300	10-27-47	--	--	1,300	I	Hendrickson and Jones, 1952; Erickson, 1955	CA. Issues as large boils. Diversion ditch. Also reported as 24S.26E.33.122.
29	24S.28E.27.411	321115-1040435	--	Guy Reed	West side of Willow Lake a few inches above shore	Pr	2,975	< 0.5	10-22-47	--	--	3,880	S,I	*	CA.
30	25S.23E.12.440	320821-1043304	--	USFS	Bottom of South Rattlesnake Canyon	--	5,100	.05	04-30-62	--	--	572	--	*	CA.
31	25S.23E.29.411	320603-1043718	Spring No. 11	do.	Near head of Slaughter Canyon	--	5,750	.16	08-02-61	--	--	715	--	*	CA.
32	25S.24E.5.421	320932-1043050	Spring No. 9 (NPS)	do.	Rattlesnake Canyon	--	4,475	.25	09- -61	--	--	554	--	*	CA.
33	25S.24E.12.324	320845-1042650	--	--	Hillside	Pr	3,640	3	09-04-52	--	--	2,400	S	Erickson, 1955	CA. Seeps maintain pool about 500 feet in length.
34	25S.24E.23.343	320635-1042815	Rattlesnake Springs	Carlsbad Caverns	Valley	Qal	3,636	2,500	01-26-48	--	--	651	P,S	Hendrickson and Jones, 1952; Erickson, 1955	CA. Seeps.
								860-1,900	04-06-52	--	--	673	I,P	Conover, 1953; Erickson, 1955	CA. Developed springs. Supplies water for use at Carlsbad Caverns.

Table 9.--Physical characteristics of springs in Eddy County--Concluded

Number in figure 11	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
35	25S.25E.7.244	320845-1042536	--	--	Hackberry Canyon	Pr	3,650	0.5	--	--	--	--	S	Erickson, 1955	Seeps maintain small pool.
36	25S.25E.35.444	320450-1042130	Cotton-wood Springs	W.A. Foley, Jr.	Cottonwood Draw	Qal	3,515	5	11-25-49	15.5	60	2,770	S	Hendrickson and Jones, 1952	CA.
37	26S.23E.29.332	320022-1043648	XT Spring	Mary E. Ussery	Mescal Draw	do.	4,350	2	01-26-48	15.5	60	541	D,S	Hendrickson and Jones, 1952; Erickson, 1955	CA. Seep.
38	26S.23E.35.121	320008-1043438	Geyser Spring	--	Grapevine Draw	do.	4,120	2,000	01-26-48	18.5	65	480	D,S,I	do.	CA.
39	26S.24E.3.423	320355-1042838	--	New Mexico State Game Department	Double Canyon Draw	do.	3,675	250	05-14-52	--	--	2,160	N	Conover, 1953; Erickson, 1955	CA. Issues as boil in pool tributary to Black River.
40	26S.24E.11.122	320340-1042810	Bottom-less Lake Spring	A.M. Leeman	Broad valley	Pr	3,710	1M	01-22-48	--	--	2,540	--	Hendrickson and Jones, 1952; Conover, 1953	CA.
41	26S.24E.11.341	320302-1042818	--	do.	Hillside	do.	3,800	<.25	01-22-48	18.0	62	2,520	N	Hendrickson and Jones, 1952	CA. Sulfur(?) cake on top of stream.
42	26S.26E.17.440	320212-1041836	Jumping Springs	Dilla-hunty Ranch	Slaughter Draw	do.	3,390	5	11-25-49	--	--	2,510	--	do.	CA. Crevice.

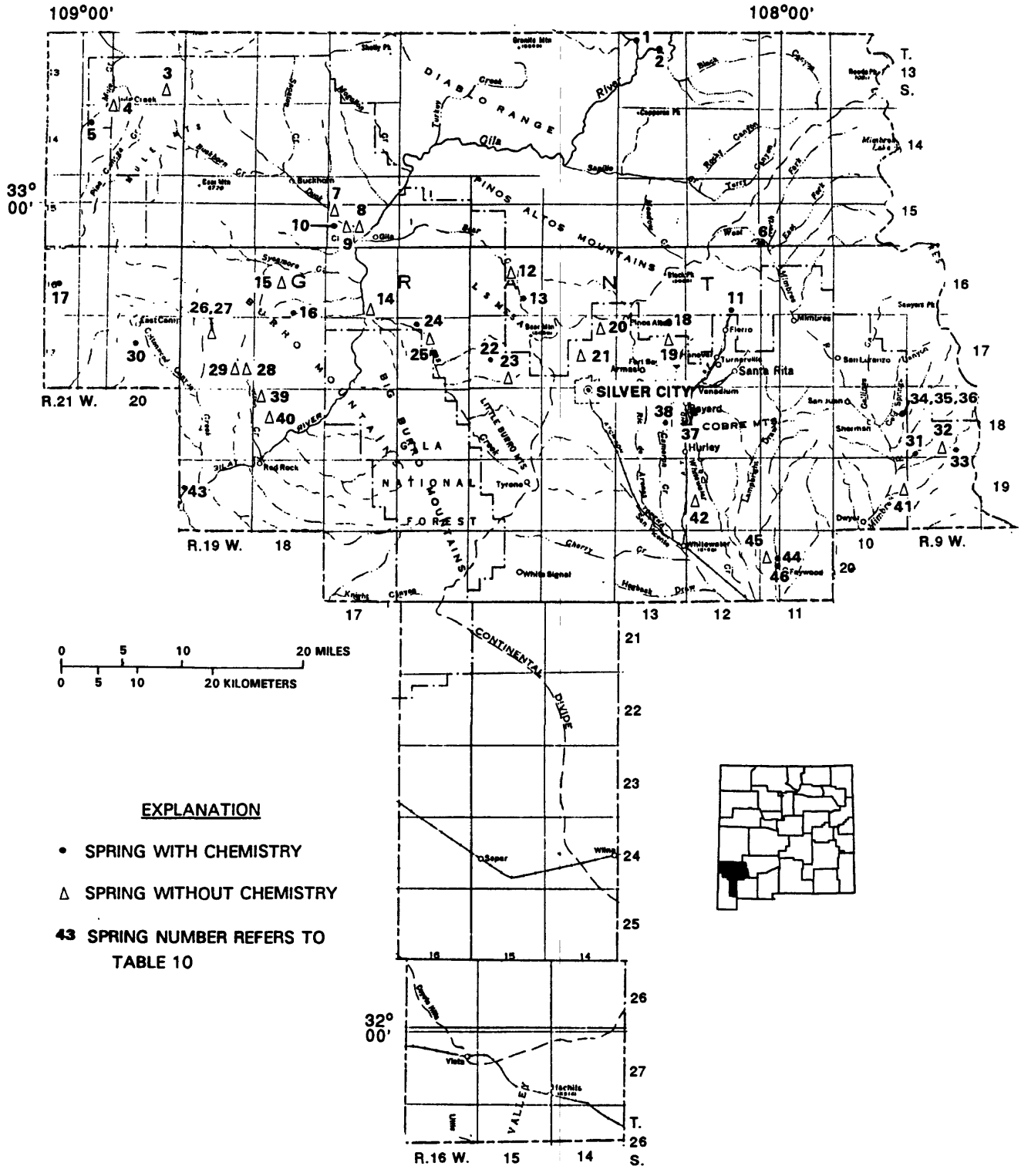


Figure 12.--Location of inventoried springs in Grant County.

Table 10.--Physical characteristics of springs in Grant County

Number in figure 12	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
1	13S.13W.5.214	331155-1081216	Gila Hot Springs	D.A. Campbell	East edge of Gila River flood plain	--	5,600	150	06-23-57	64.0	147	653	D,S,I	Trauger, 1972	CA. Reported as 13S.13W.5.241. Water piped to lodge and summer homes; flow reported to be steady; tufa deposits; fault controlled.
								--	07-25-62	64.0	147	638	do.	do.	CA. TA.
								--	12-05-74	61.0	142	620	do.	*	CA. TA.
2	13S.13W.10	Gila National Forest	Hunting Lodge Hot Spring	--	--	--	--	10	06-23-57	57.0	126	432	do.	Trauger, 1972	CA. Fault controlled.
3	13S.20W.26.224	--	--	John Henry	Stream-bank	--	5,320	1	02-22-56	10.0	50	--	S	do.	Believed to come from tuff unit under thin cover of alluvium; dug out and concreted; no odor or travertine deposits.
4	14S.20W.6.111	330715-1085720	--	Irvin Goats	Hillslope	QTg	5,240	1-2	06-09-55	18.0	65	302	D,S	do.	Dug out, boxed and covered; 1965 topographic sheet shows pond.

Table 10.--Physical characteristics of springs in Grant County--Continued

Number in figure 12	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature °C	Temperature °F	Specific conductance (microsiemens)	Use	Reference	Remarks
5	14S.21W.11.322	330557-1085855	Mule Spring	C.C. Harkney	Headwater of Mule Creek	QTg	5,365	--	01-27-56	16	61	251	S	Trauger, 1972.	CA; seep; reportedly has never gone dry.
6	15S.11W.31.132	325724-1080138	Laney Spring	Hub Estes	Streambed, west fork Mimbres River	do.	6,350	5	10-19-55	13	56	331	D,S	do.	CA. Flow reportedly has not decreased in recent years.
7	15S.17W.19.411	--	--	Lewis Brown	Valley flat	do.	4,565	10	09-27-55	18	64	--	D,S	do.	Flow reported to be steady; dug out, boxed, piped to house; no travertine deposits or odor.
8	15S.17W.28.131	--	--	Arthur Howard	Hillslope	do.	4,540	1	09-14-55	--	--	--	S	do.	Spring issues from horizontal beds; reportedly dependable.
9	15S.17W.29.114	335830-1083730	--	J.M. Dickerson	Canyon wall	do.	4,500	3	09-09-55	--	--	--	D,S	do.	Spring seeps from horizontal contact of gravel overlying bed of clay; dug out and concreted.
10	15S.17W.30.224	325830-1083745	Cliff Warm Springs	do.	Canyon slope	do.	4,577	30	09-14-55	25	77	256	D,S,I	do.	CA. Reported as 15S.17W.30.222. Spring issues from joint in low-dipping, sandstone beds; flow reported to be steady.

Table 10.--Physical characteristics of springs in Grant County--Continued

Number in figure 12	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
11	16S.12W.34.344	325158-1080413	Posito Spring	USFS	Small canyon	Kc	6,925	--	10-21-54	16	60	521	P	Trauger, 1972	CA. Spring dug out and concreted. No flow, but spring pool reported to always contain water.
								--	06-02-65	14	57	480	P	Dinwiddie and others, 1966	CA. Spring used as potable water by residents of Fierro.
12	16S.15W.15.142	--	Dorsey Spring	Town of Silver City	Canyon bottom, Bear Creek	QTg	5,360	120	04-02-54	--	--	--	S	Trauger, 1972	Flow varies appreciably; dug out and concreted; no deposits or odor.
13	16S.15W.26.412	325309-1082139	Allen Springs	do.	Canyon bottom, Walnut Creek	IPm	5,770	80	04-02-54	25	77	621	S	do.	CA. Flow reportedly fluctuates with seasonal precipitation; former water supply for Silver City; dug out and concreted over to form a collection gallery; some travertine deposits.
14	16S.17W.34.212	--	Spring Canyon Warm Spring	Fate McCauley	Canyon bottom, Spring Canyon	Tr	4,430	90	04-26-55	29	84	--	D,S	do.	Dug out, concreted, and sealed; water will rise 30 feet in pipe, which supplies house and fields.

Table 10.--Physical characteristics of springs in Grant County--Continued

Number in figure 12	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
15	16S.18W.16.223	--	--	J.J. Norris	Canyon bottom, Sycamore Creek	--	5,300	30-40	Not visited	--	--	--	S	Trauger, 1972	Reported as 16S.18W.16.133; one of source springs for Sycamore Creek.
16	16S.18W.34.314	325203-1084148	Clark Spring	Lewis Patterson	Stream-bed	Tr	5,525	0.5-0.75	07-28-55	20	68	389	S	do.	CA. Reported as 16S.18W.34.332; spring seeps from contact of low-dipping sandstone bed and underlying volcanic rocks; flow reportedly steady and dependable.
17	16S.21W.20.321a	325400-1090205	Bitter Creek Spring	T.T. Wadell	do.	--	4,800	--	09-20-41	--	--	2,550	--	do.	CA.
18	17S.13W.2.411	325118-1080928	Fort Bayard Hospitsl Spring	State of New Mexico	do.	Tr	6,640	--	11-20-52	15	59	303	P,D	Dinwiddie and others, 1966	Water supply for Fort Bayard Hospital; sample is combined flow of 16 springs.
								10	02-04-55	16	60	274	do.	Trauger, 1972	CA. Flow reported to be steady; sample is from Spring #10, one of several springs furnishing water for Fort Bayard Hospital.
								12	06-02-65	18.5	65	301	do.	Dinwiddie and others, 1966	CA. Water supply for Fort Bayard Hospital; sample is combined flow of 16 springs.

Table 10.--Physical characteristics of springs in Grant County--Continued

Number in figure 12	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
19	17S.13W.14.421	--	--	Fort Bayard Hospital	Gully	--	6,350	<5	08- -54	--	--	--	N	Trauger, 1972	--
20	17S.14W.11.112	--	--	Ana Johnson	Gully bank	Kc	6,499	--	02-12-54	--	--	--	D	do.	Some seepage; reportedly always has some water; three orifices dug out and concreted over; water piped to house.
21	17S.14W.22.313a	--	Langstroth Spring	--	Streambank	do.	6,110	--	02-17-54	--	--	--	N	do.	Forms large pool; dug out and covered by springhouse; no outflow; water level in pool fluctuates.
22	17S.15W.20.222	324930-1082428	Ash Spring	Randolf Frank	Canyon wall	pC	5,710	0.25-1	08-23-54	22	72	526	S	do.	CA. Joint-controlled spring; flow reportedly has been appreciably greater in past years.
23	17S.15W.34.232	--	Fleming Spring	W.T. Sherman	Canyon floor	--	5,910	20	07-15-54	--	--	--	D,S	do.	Flow reportedly 30-40 gpm in 1938; water used to operate minnow farm.
24	17S.16W.5.414	335107-1083058	Foster Spring	Fred Foster	Streambed	QTg	4,720	20	04-15-55	--	--	436	S	do.	CA. Flow collected from broad seepage in low-dipping beds; piped to hydraulic ram, lifted to stock tanks; flow reported to be steady.

Table 10.--Physical characteristics of springs in Grant County--Continued

Number in figure 12	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
25	17S.16W.9.311	--	Mangas Springs	John McMillen	Streambank and channel	QTg	4,750	100	04-15-55	--	--	--	S	Trauger, 1972	Source of perennial flow of Mangas Creek; spring flow is from numerous seeps in valley bottom; rises to surface due to bedrock constriction.
26	17S.19W.9.142	--	--	Earl Anderson	Slope	Tr	5,020	1	08-23-55	--	--	--	D,S	do.	Joint-controlled spring; reportedly fluctuates but never dry; in use for 50 years; piped to house.
27	17S.19W.9.143	--	--	Charles Anderson	Bottom of arroyo	do.	4,820	3-4	08-23-55	--	--	--	S	do.	Joint controlled, unimproved spring.
28	17S.19W.25.242	--	High Lonesome Spring	Robert Martin	Canyon floor	do.	4,875	--	--	--	--	--	S	do.	Reported to have low but dependable flow.
29	17S.19W.26.211	--	Blakey Spring	Charles Blakey	do.	do.	4,885	3-4	08-22-55	22.0	72	--	S	do.	Flow seeps from joints in andesite in bed of creek; fluctuates but never goes dry; water collected in trap and pumped to tanks with a windmill.
30	17S.20W.16.230	324948-1085447	Thanks-giving Spring	--	Gulch	TKr(?)	5,200	100	10-05-41	--	--	703	--	do.	CA.

Table 10.--Physical characteristics of springs in Grant County--Continued

Number in figure 12	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
31	18S.9W.31.342	324132-1074850	Carrizo Tubs	Gunter	Canyon	QTg	5,499	5	06-10-52	21.5	71	347	S	Bushman, 1955	CA. Flow seeps into alluvium from underlying conglomerate; dug out and concreted; water piped to troughs.
				H.B. Hinton				7	03-25-57	--	--	--	--	--	--
32	18S.9W.33.343	--	Middle Water	do.	do.	--	--	--	--	--	--	--	--	Bushman, 1955	Flows only during wet season.
33	18S.9W.34.124	324208-1074533	Goat Spring	do.	Streambed	QTg	5,750	20	03-21-57	19.0	66	353	S	Trauger, 1972	CA. Flow issues from joints in conglomerate.
34	18S.10W.13.111	324456-1075004	Mimbres Hot Springs	Ernestine Wheaton-Smith	Slope	Tr	5,740	10	06-22-57	58	137	452	I	do.	CAR. Flow from single opening; reported to be steady; dug out, concreted, covered, piped to greenhouse.
35	18S.10W.13.111a	324457-1075004	do.	do.	do.	do.	5,740	20	06-05-52	58	137	450	D,S,P	do.	CA. Flow issues from about 25 seeps and orifices, three of which are dug out, concreted, covered, and piped to house and cabins.
								--	12-05-74	60.5	150	455	--	*	CA. TA.

Table 10.--Physical characteristics of springs in Grant County--Continued

Number in figure 12	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
36	18S.10W.13.111b	324457-1075004	Mimbres Cold Spring	Ernestine Wheaton-Smith	Slope	Tr	5,735	1-3	06-05-52	26	79	451	D,S	Trauger, 1972	CA. Flow issues from fault zone(?); three orifices dug out, concreted, covered, and piped to house and cabins.
37	18S.12W.7.221	324548-1080712	--	American Smelting & Refining Company	do.	--	5,850	4-5	09-15-54	--	--	290	D	do.	CA. Flow issues from single orifice in low-dipping beds; dug out, concreted, covered, and piped to tank.
38	18S.13W.23.133	324347-1080956	--	L.H. Cron	Valley floor	Qal	5,750	5-10	05-26-54	--	--	554	S	do.	CA. Flow has one primary orifice in middle of boggy ground; water is ponded behind bedrock dam.
39	18S.18W.6.141	--	Tank Draw Spring	Robert Martin	Bed of stream channel	Tr	4,720	0.5	08-24-55	--	--	--	S	do.	Fault zone; in use since 1880, but reportedly dry; some summers, water piped in trough.
40	18S.18W.17.121	--	Smith Spring	do.	Canyon floor	p€	4,405	3-5	08-24-55	--	--	--	S	do.	Joint-controlled spring; in use since 1890's, dry once during summer of 1947; water piped in trough.

Table 10.--Physical characteristics of springs in Grant County--Continued

Number in figure 12	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
41	19S.10W.24.212	--	Y-Bar Spring	H.B. Hinton	Stream-bank	QTg	5,400	20	04-24-57	--	--	--	D,S	Trauger, 1972	Two orifices, dug out, concreted, covered and piped to extensive domestic uses; iron stain on ground.
42	19S.12W.19.113	--	Apache Tejo Springs	Kennecott Copper Corporation	Stream valley	IPm	5,390	0	06-08-54	--	--	--	--	do.	Flow reported to average 1,350 gpm from June 1912 to August 1913, but all water was lost when orifice was dynamited in August 1913 to increase flow.
43	19S.19W.18.311	323910-1085103	--	Fuller Ranch	Mouth of canyon	--	3,980	5-10	07-07-41	24.0	75	439	S	do.	CA. At mouth of canyon entering Gila River.
								45	1952	--	--	--	--	do.	--
44	20S.11W.17.312	323359-1080020	Lind-auer Spring	Boy Scouts of America	Stream channel	Trp	5,020	10	01-27-55	18.0	64	495	S	do.	CA. Reportedly has never gone dry, although others in area have in recent years.
45	20S.11W.18.314	--	Warm Springs	Kennecott Copper Corporation	Plain	do.	5,025	0	01-27-55	--	--	--	--	do.	Once maintained perennial lake but flow ceased after development of well field; tufa deposits are radioactive.

Table 10.--Physical characteristics of springs in Grant County--Concluded

Number in figure 12	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
46	20S.11W.20.243	323317-1075942	Faywood Hot Spring	Kennecott Copper Corporation	Tufa hill on plain	Trp	5,030	--	06-05-52	54.0	129	606	S	Trauger, 1972	--
								30	11-09-54	53.0	128	600	--	do.	--
								50	04-19-57	53.0	128	605	--	do.	CA.
								--	07-21-67	55.0	131	504	--	*	--
								--	12-05-74	53.5	128.5	603	--	*	CA.
								--	02-05-76	52.0	127	560	--	*	CA. RA. TA.

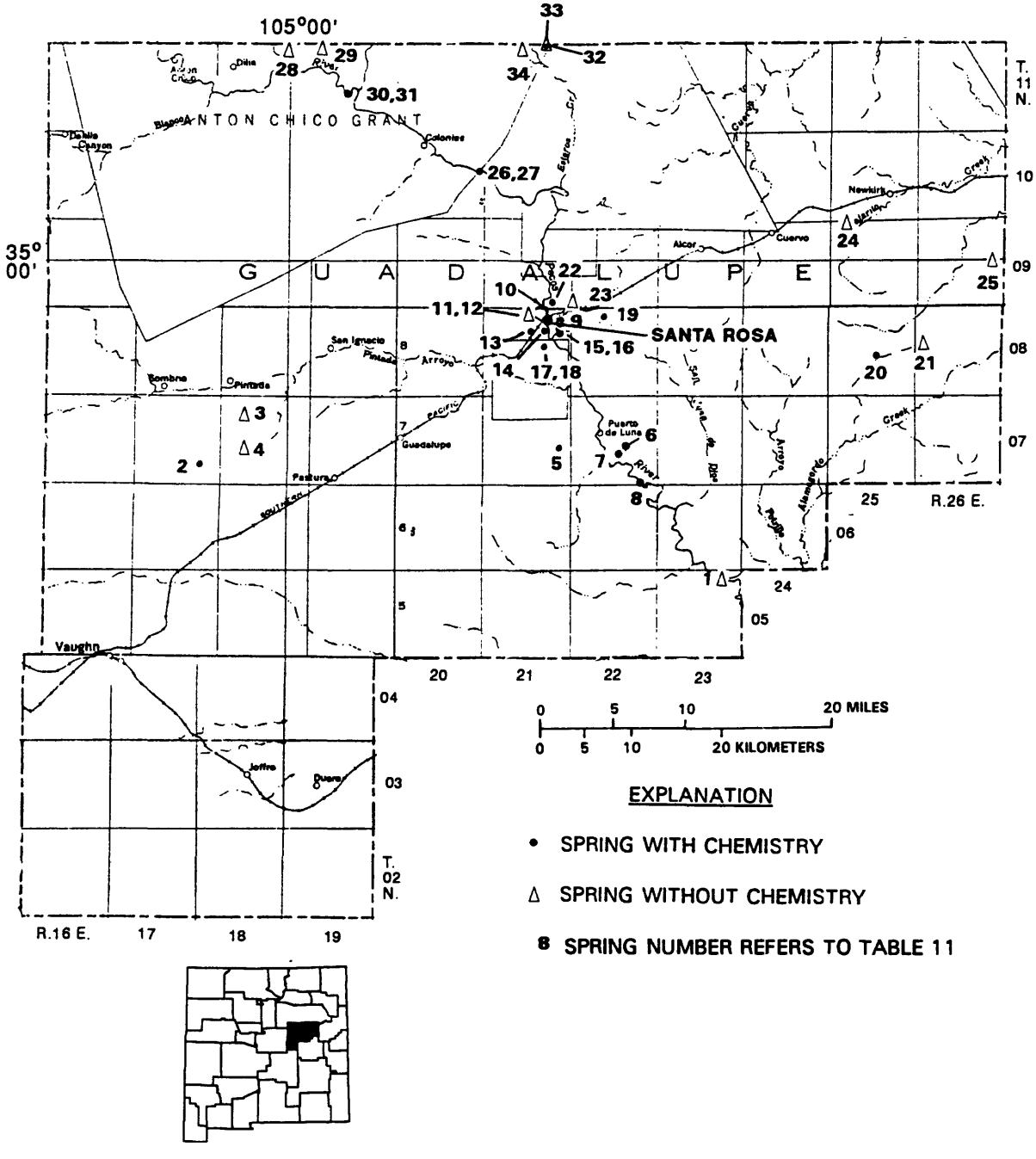


Figure 13.--Location of inventoried springs in Guadalupe County.

Table 11.--Physical characteristics of springs in Guadalupe County

Number in figure 13	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
1	5N.23E.2.240	--	Los Ojitos	Gibbons	--	Trs	4,300	10-15	10-30-55	--	--	--	S	Dinwiddie and Clebsch, 1973	Formerly used for irrigation.
2	7N.17E.26.442	344755-1050548	--	Julian Martinez	Hillslope	do.	5,800	--	04-12-55	12.0	54	1,370	S	do.	CA. Water seeps into alluvium downslope. Heavy algae growth.
3	7N.18E.8.330	--	--	do.	Arroyo	do.	5,750	--	06-10-55	--	--	--	N	do.	Discharge evaporates.
4	7N.18E.20.332	--	--	Ed Tapia	Base of mesa	do.	5,800	0.25R	--	--	--	--	D,S	do.	Access by 4- x 6-foot gallery.
5	7N.21E.24.122	344921-1043957	--	Arthur Ariaz	do.	Pb, Trs	4,700	1-2	05-23-55	15.0	59	2,850	S	do.	CA.
6	7N.22E.22.424	--	--	J.C. Slaton	Small canyon	Trs	4,600	0.1	06-04-53	--	--	525	D,S	do.	CA.
7	7N.22E.27.144	--	--	--	Arroyo mouth, right bank of Pecos River	Pb, Trs	4,450	1	06-04-53	--	--	2,630	S	do.	CA.
8	7N.22E.35.231	--	--	J.C. Slaton	Right bank Pecos River	Trs	4,500	0.1	06-04-53	--	--	910	S	do.	CA.
9	8N.21E.1.333	345625-1044021	Blue Hole	U.S. Government	--	Psa	4,600	--	--	--	--	--	S,I	do.	--
								672	07-22-39	--	--	2,670	--	do.	CA.
								--	04-01-41	--	--	2,690	--	do.	CA.

Table 11.--Physical characteristics of springs in Guadalupe County--Continued

Number in figure 13	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
9	8N.21E.1.333 (Continued)							--	09-22-43	--	--	2,670	--	Dinwiddie and and Clebsch, 1973	CA.
								--	08-29-45	18.0	64	2,630	--	do.	CA.
								--	11-12-47	--	--	2,680	--	do.	CA.
								--	05-02-49	16.5	62	2,670	--	do.	CA.
								3,000R	04-30-51	--	--	2,650	--	do.	CA.
								--	07-28-53	18.0	64	2,670	--	do.	--
								--	07-14-55	--	--	2,670	--	do.	CA. TA.
								--	11-13-59	16.5	62	2,620	--	do.	CA. TA.
10	8N.21E.2.434	345625-1044043	Park Lake	City of Santa Rosa	Lake	Psa	4,590	90M	06-28-55	21	70	3,170	R	do.	CA.
11	8N.21E.3.133	--	--	Manuel Chavez	North bank of Pecos River	Pb, Psa	4,600	10	05-10-54	--	--	--	N	do.	--
12	8N.21E.3.311	--	--	do.	Arroyo, south bank of Pecos River	do.	4,600	50-100	05-10-54	--	--	--	N	do.	--

Table 11.--Physical characteristics of springs in Guadalupe County--Continued

Number in figure 13	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
13	8N.21E.10.444	345531-1044133	--	--	Arroyo bottom	Psa	4,560	--	07-21-39	--	--	3,040	--	Dinwiddie and Clebsch, 1973	CA. Several springs issue from this area.
								12-224	06-11-40	--	--	3,020	--	do.	CA.
								--	10-10-49	--	--	3,070	--	do.	CA.
								--	09-05-50	--	--	3,570	--	do.	CA.
								--	03-20-51	--	--	2,940	--	do.	CA.
14	8N.21E.11.412	345555-1044042	--	City of Santa Rosa	Lake	do.	4,560	30-40	07-22-39	--	--	3,350	--	do.	CA. Reported as 8N.21E.11.234; flow from several springs north of this point.
								20	06-11-40	--	--	3,170	--	do.	CA. Reported as 8N.21E.11.424. Same spring area but not same sampling point.
15	8N.21E.12.300	345543-1044009	--	--	Lakes	do.	4,600	--	03-13-62	12.0	54	588	P	*	CA. TA. Runoff is impounded in three lakes and piped to the town for use as public supply.
16	8N.21E.12.320	345548-1043955	Twin Lake	--	Lake	do.	4,598	--	06-11-40	--	--	3,850	--	Dinwiddie and Clebsch, 1973	CA. Spring-fed lake.
17	8N.21E.14.243	345505-1044035	--	--	Marsh	do.	4,580	--	06-11-40	--	--	3,090	--	do.	CA. Flow from 8N.21E.14.342 and several springs southwest of this point.

Table 11.--Physical characteristics of springs in Guadalupe County--Continued

Number in figure 13	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
17	8N.21E.14.243 (Continued)							--	07-25-60	24.5	76	3,050	--	Dinwiddie and Clebsch, 1973	CA.
18	8N.21E.14.342	345447-1044057	Bass Lake	--	Lake	Psa	4,585	--	01-19-53	9.5	49	3,520	S,I	do.	CA. Spring-fed lake. Reported altitude 4,575 feet.
19	8N.22E.4.414	345636-1043628	--	--	Base of Sunshine Mesa	QTu, Trc	4,850	--	01-19-53	--	--	487	D,S	do.	CA.
20	8N.25E.22.313	345354-1041713	Valencia Spring	Bob Minor	Hillside	Trc	4,990	--	02-12-55	--	--	381	S	do.	CA.
								3-5	12-01-55	--	--	--	--	do.	--
21	8N.26E.18.421	--	--	Jerry Clayton	Base of cliff	To	5,100	2-3	11-04-55	--	--	--	S	do.	Sump and watering tubs.
22	9N.21E.35.131a	345755-1044119	--	Barela?	Mouth of arroyo, north bank of Pecos River	Psa	4,600	5	12-02-55	--	--	--	S	do.	--
								--	12-16-55	17.5	63.5	2,430	--	do.	CA. Used as emergency supply for Santa Rosa, 1954-56.
23	9N.22E.31.344	--	--	City of Santa Rosa	Lake	Trc	4,730	5	11-24-54	--	--	--	N	do.	Seepage from East Railroad Lake.
24	9N.25E.5.432	--	--	Edward Riley	Pajarito Creek	do.	--	5-10	12-06-55	--	--	--	S	do.	--

Table 11.--Physical characteristics of springs in Guadalupe County--Concluded

Number in figure 13	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
25	9N.26E.24.420	--	--	Duke Hornsby	Edge of mesa	--	5,455	0.5	10-27-53	13.0	55	--	S	Dinwiddie and Clebsch, 1973	--
26	10N.20E.25.243	350353-1044558	--	Shaw and Craig	Canyon wall of Pecos River	Pb	4,780	30	09-19-40	--	--	2,280	N	do.	CA.
27	10N.20E.25.413	350337-1044608	--	do.	do.	Trs	5,020	1.25	08-11-54	--	--	538	S	do.	CA.
28	11N.18E.2.200	--	--	T.R. Sowell	Arroyo	Trc	5,100	10-20	09-21-55	--	--	--	S	do.	Anton Chico Grant.
29	11N.19E.6.412	--	--	S.E. Sowell	do.	Trs	5,200	.75R	11-13-55	17.0	63	--	S	do.	do.
30	Jose Perea Grant	350234-1044251	--	--	Right bank of Pecos River	--	4,730	44.8	05-27-70	21.5	71	1,160	--	*	CA. TA.
31	Preston Beck Grant	350234-1044251	--	--	Left bank of Pecos River	--	4,730	31.4	05-28-70	21	70	1,430	--	*	CA. TA.
32	11N.21E.2.120	351254-1044051	Sabine Spring	G.T. Cowden	Hollow in mesa edge	Trc	5,100	2	09-27-55	--	--	1,030	--	Dinwiddie and Clebsch, 1973	CA. Anton Chico Grant.
33	11N.21E.2.211	--	--	W.T. Driggers	do.	do.	5,100	10	09-27-55	--	--	--	S	do.	Preston Beck Grant.
34	11N.21E.4.222	--	--	Guy Cowden	Mesa edge	do.	5,200	1	09-28-55	--	--	--	S	do.	Anton Chico Grant.

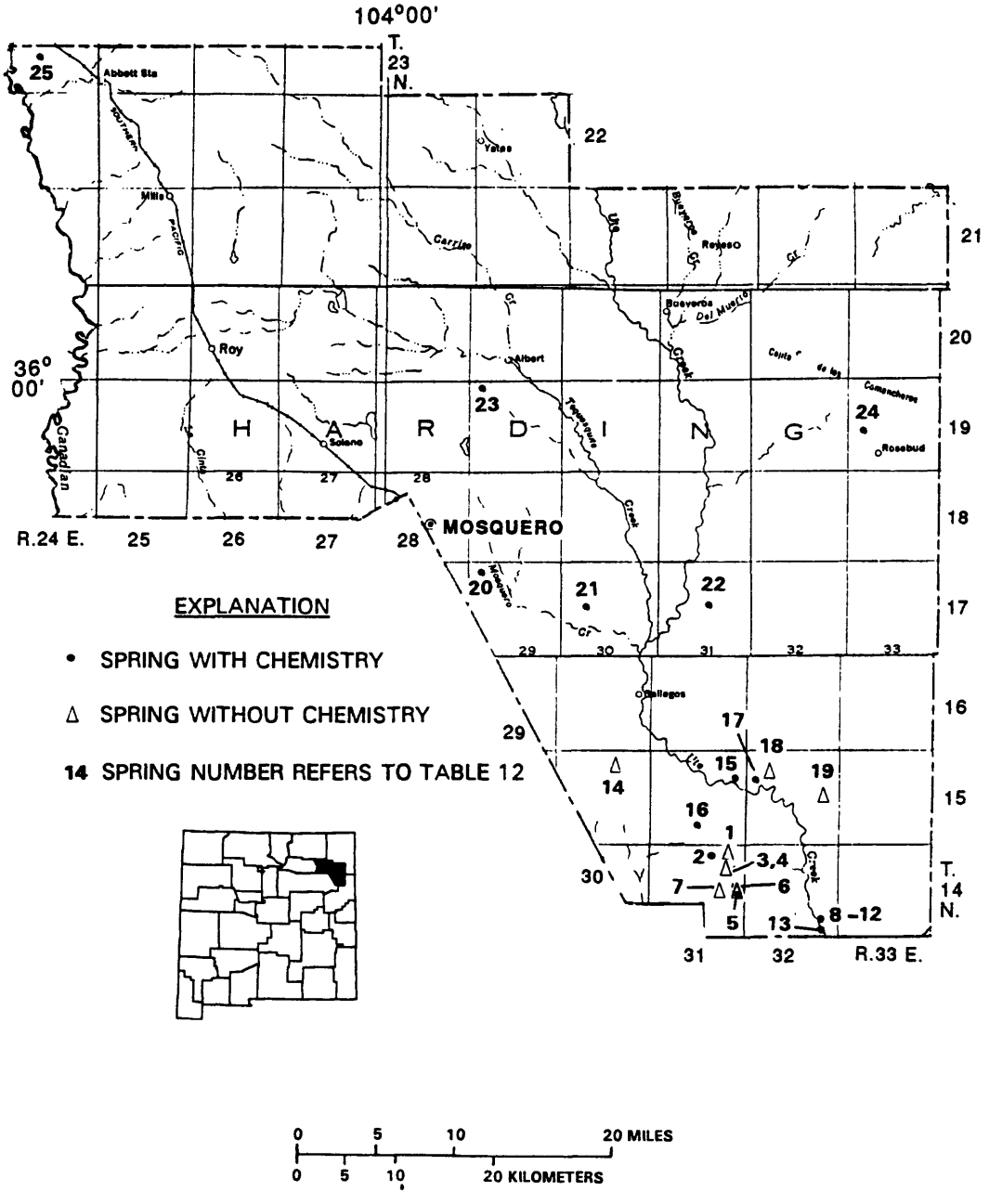


Figure 14.--Location of inventoried springs in Harding County.

Table 12.—Physical characteristics of springs in Harding County

Number in figure 14	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
1	14N.31E.2.431	—	—	—	Stream channel	Trc	4,080	3	11-17-53	—	—	—	—	*	Seeps at base of outcrop.
2	14N.31E.3.113	352824-1033835	Garcia Spring	Louis Romero	Pond	Jm	4,275	VS	7-28-54	25.5	78	404	S	*	CA; near base of Morrison Formation; spring flow is dammed and piped to steel tank.
3	14N.31E.11.423	—	Bootlegger Spring	—	Stream channel	Trc	4,110	5	7-20-54	—	—	—	—	*	Seeps at base of sandstone bed.
4	14N.31E.11.424	—	—	—	Stream valley	do.	4,090	—	7-20-54	—	—	—	—	*	Seep.
5	14N.31E.13.223	352643-1033535	—	—	Hillslope	—	—	1	4-10-70	20.0	68	711	—	*	CA.
6	14N.31E.13.242	—	—	—	Base of hill	Trc	4,045	3	7-15-54	—	—	—	D, S	*	Collection basin; piped to house and stock tank.
7	14N.31E.14.332	—	—	—	Stream channel	do.	4,180	—	11-17-53	—	—	—	N	*	Seep; concrete dam. Reported dry on July 15, 1954.
8	14N.32E.26.313	352430-1033112	—	—	Meadow	—	—	—	6-13-63	—	—	815	—	*	CA; 100 yards from Ute Creek, ½ mile above bridge.
9	14N.32E.26.423	352431-1033023	Dripping Springs	—	Ute Creek	Trc	3,810	—	3-26-63	14.0	57	843	—	*	CA; second spring above Ute Creek.
								—	6-13-63	—	—	871	—	*	

Table 12.—Physical characteristics of springs in Harding County—Continued

Number in figure 14	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature °C	Temperature °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
10	14N.32E.26.424	352430-1033015	—	—	Ute Creek	Trc	3,825	—	3-26-63	16.0	61	814	—	*	CA.
11	14N.32E.26.432	352423-1033031	—	—	do.	—	—	—	6-13-63	23.5	74	803	—	*	CA; ¼ mile above bridge.
12	14N.32E.26.433	352417-1033039	—	—	do.	—	—	—	3-28-63	9.5	49	1,400	—	*	CA.
13	14N.32E.35.223	352404-1033023	—	—	Ute Creek, east side	Trc	—	—	3-26-63	9.5	49	944	—	*	CA; crosses road through pipes.
14	15N.30E.3.310	—	—	Owen Williams	Base of cliff	do.	4,400	VS	9-23-53	20.5	69	—	—	*	Flows from joints at base of outcrop, reportedly good quality; piped to tank.
15	15N.31E.12.421	353227-1033543	—	—	Arroyo	—	—	—	4-16-70	—	—	855	—	*	CA; seep.
16	15N.31E.28.322	352955-1033918	Luis Spring	Owen Mcquis-tion (?)	do.	Jm?	—	VS	11-24-53	11.0	52	421	S	*	CA; NE of Bryantine School.
17	15N.32E.7.433	353210-1033457	—	—	do.	—	4,060	3	4-1-70	16.0	61	515	—	*	CA.
18	15N.32E.8.422	—	—	Gallegos Estate	Arroyo	Qal, Qc	3,950	—	7-15-54	—	—	—	—	*	Seep.
19	15N.32E.14.330	—	—	do.	Broad arroyo	Qc	3,950	—	7-15-54	—	—	—	—	*	Seeps.

Table 12.—Physical characteristics of springs in Harding County—Concluded

Number in figure 14	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
20	17N.29E.6.212	354416-1035340	—	—	Hillslope	—	—	2	3-15-70	17.0	62	934	D, S	*	CA; SE of Mosquero.
21	17N.31E.15.124	354224-1033800	—	—	Arroyo	—	4,373	1	9-20-70	20.0	69	566	—	*	CA.
22	19N.29E.6.424	355415-1035330	—	—	Arroyo to Las Cuevas Creek	To	—	<1	3-1-69	16.0	61	556	S	*	CA.
23	19N.33E.17.441	355220-1032653	Hackberry Springs	Tomkins	Creek channel	Jm or Je	4,840	—	1-14-70	—	—	499	S	*	CA; north of Rosebud. Many seeps along creek channel.
24	23N.24E.21.400	361224-1042318	Gato Spring	Ben Floersheim	Broad hillslope	Kd	—	—	5-14-46	12.0	54	186	—	* and Griggs, 1948	CA; walled-in spring.
				Jaritas Livestock Co.	—	—	—	1	12-14-66	7.0	45	156	S	*	
25	23N.25E.20.112	361302-1041830	—	—	Stream channel	—	—	—	12-12-66	4.0	39	850	—	*	CA.

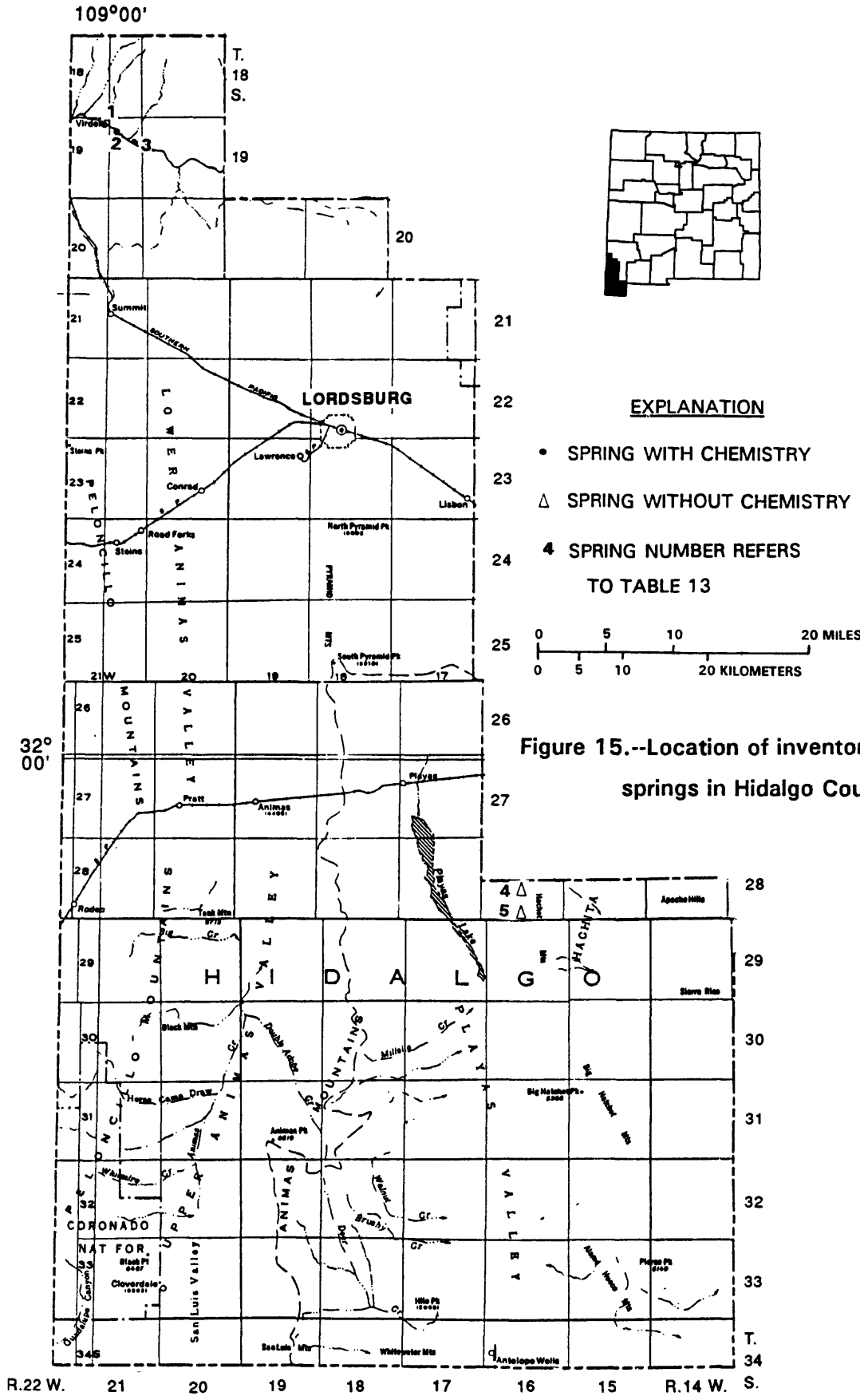
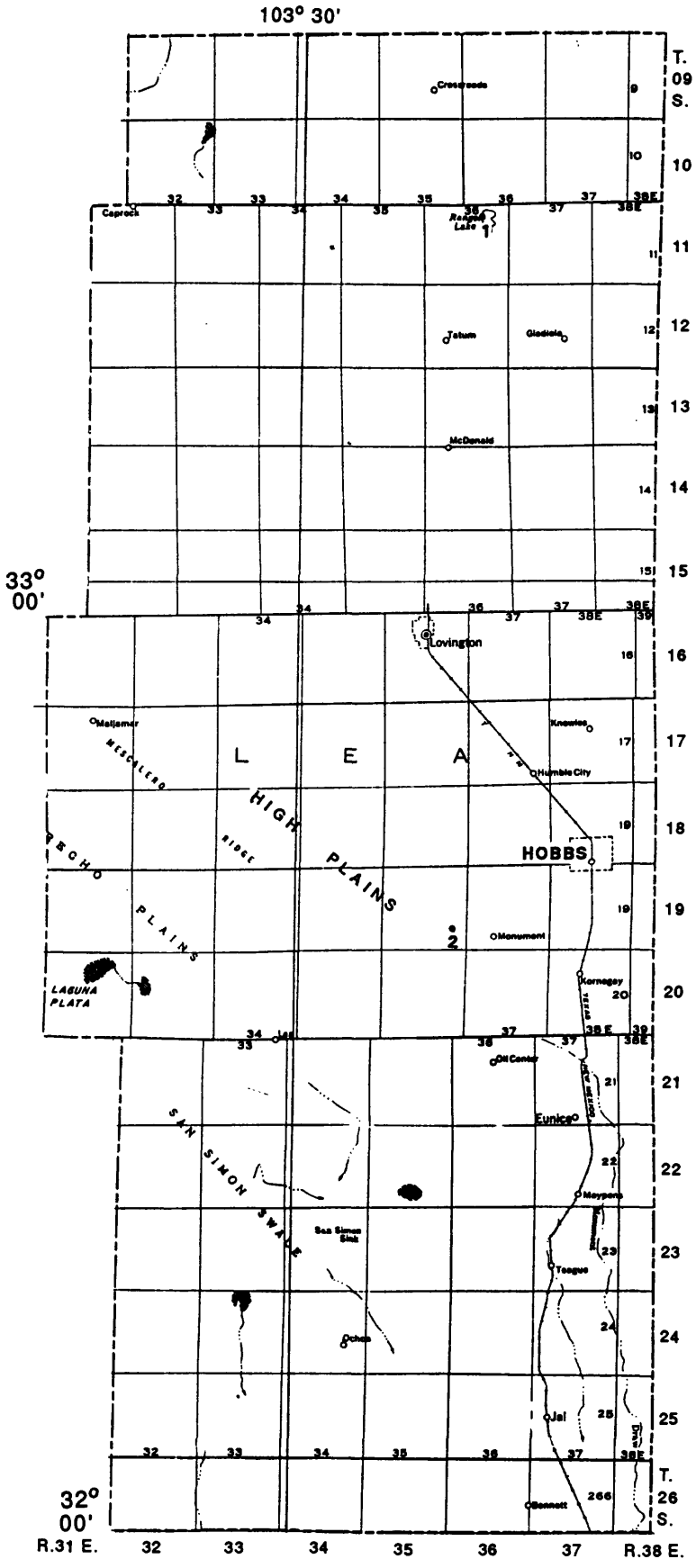


Figure 15.--Location of inventoried springs in Hidalgo County.

Table 13.--Physical characteristics of springs in Hidalgo County

Number in figure 15	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
1	19S.21W.3.430	324035-1085945	--	--	Gila River	Qal	--	5	07-07-41	--	--	620	--	*	CA. Seep.
2	19S.21W.11.42	323953-1085835	--	--	do.	do.	--	20	07-07-41	24.0	75	494	--	*	CA. Seep.
3	19S.21W.13.23	323951-1085738	--	--	do.	do.	--	--	07-07-41	26.5	80	697	--	*	CA. Seep.
4	28S.16W.21.233	--	Livermore Spring	U.S. Government	Hillside	--	4,950	12M	04-05-55	--	--	--	--	Doty, 1960	Dug out spring; equipped with centrifugal pump.
5	28S.16W.33.111	--	Cottonwood Spring	Sim Smith	do.	--	4,773	--	12-22-55	15.5	60	--	N	do.	Boxed-in spring.



EXPLANATION

• SPRING WITH CHEMISTRY

1 SPRING NUMBER REFERS TO TABLE 14

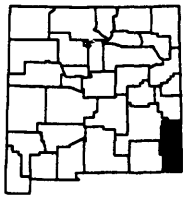


Figure 16.--Location of inventoried springs in Lea County.

0 5 10 20 MILES

0 5 10 20 KILOMETERS

Table 14.--Physical characteristics of springs in Lea County

Number in figure 16	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
1	11S.36E.11.133	332250-1031654	--	--	Lakeside	--	3,963	--	02-07-53	--	--	21,500	--	*	CA. Seep about middle of west side of Ranger Lake. No water in lake, but seeps along side.
2	19S.36E.25.123	323813-1031838	Monument Spring	--	Small valley	--	3,650	--	04-09-38	19.5	67	562	--	*	CA. Pumping plant at site of former spring; estimated pumpage 250 gpm.

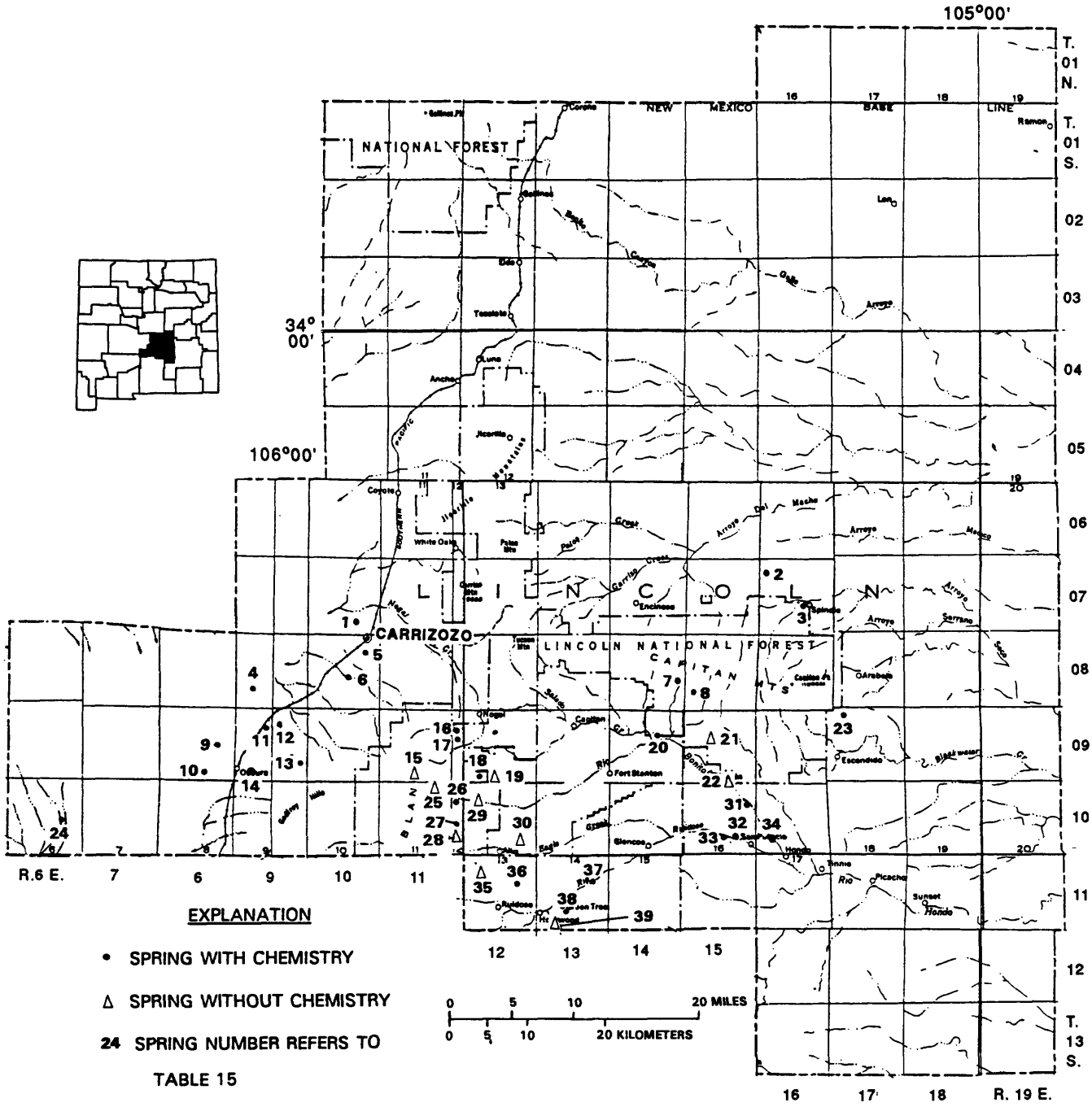


Figure 17.--Location of inventoried springs in Lincoln County.

Table 15.--Physical characteristics of springs in Lincoln County

Number in figure 17	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
1	7S.10E.26.422	334009-1055159	Carrizozo Spring	--	Arroyo	Qab	5,390	50	1911	--	--	2,350	--	McLean, 1970	CAR. Spring is not named on topological sheet.
								100	10-02-48	--	--	2,340	--	*	CA.
2	7S.16E.7.434	--	Macho Spring	--	Head of Arroyo del Macho	Qal, Psf	5,910	35	08-10-77	21	70	800	--	Davis and others, 1980	CAR. Spring discharges at bottom of large pond.
3	7S.16E.22.443	--	Kyle Harrison Spring	--	Tributary arroyo to Kyle Harrison Canyon	Qal, Psr	6,080	21	08-10-77	16	61	500	--	do.	CAR.
4	8S.9E.29.113	333522-1060202	Lower Willow Spring	George MacDonald	Arroyo adjacent to Malpais	Km, Qal	4,875	--	1911	15.5	60	--	--	McLean, 1970	CAR. Reported as 8S.9E.29.123; Willow Spring on topographic sheet.
								4.75M	05-18-55	16.5	62	3,340	S	Cooper, 1958; McLean, 1970	CA.
5	8S.10E.11.313	333728-1055252	--	--	Arroyo	Qal	5,490	100	10-03-48	--	--	1,500	S	*	CA. Numerous springs marked on topographic sheet upstream from this location; directly south of the town of Carrizozo.
6	8S.10E.22.300	--	Upper Coyote Spring	--	Canyon	Qal, K	5,475	6	1911	14.5	58	--	--	McLean, 1970	CAR.

Table 15.--Physical characteristics of springs in Lincoln County--Continued

Number in figure 17	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
7	8S.15E.24.242	333605-1052504	Upper Padilla Spring	V.M. Grantham	Hillslope	Ti	8,280	3	05-08-56	10.5	51	158	N	Mourant, 1963	CA. Lincoln National Forest. Called Padilla Spring on 1949 topographic sheet.
8	8S.16E.30.343	333437-1052438	Lower Padilla Spring	do.	do.	do.	7,040	450	11-03-55	--	--	--	D,S	do.	Lincoln National Forest.
								150	05-08-56	9.5	49	140	--	do.	CA.
9	9S.8E.23.442	333031-1060411	Bull Gap Spring	--	Canyon	Tr	4,825	1.5	11-03-55	--	--	3,150	N	Cooper, 1958; McLean, 1970	CA. Reported as 9S.8E.23.423; large deposit of sulfate in area of seep.
10	9S.8E.34.143	332905-1060558	Phillips Springs	Truman Spencer	Arroyo	Kd	4,750	--	1911	18.0	64	--	S	do.	CAR.
								3	05-31-55	20.0	68	6,290	--	do.	CA. Tank built over spring.
11	9S.9E.9.222	333250-1060010	Root Spring	--	do.	Kmv	5,200	5	08-23-55	17.0	63	2,420	S	do.	CA.
12	9S.9E.10.343	333206-1055951	Jakes Spring	--	Hillside	K	5,290	--	1911	17.0	63	--	--	McLean, 1970	CAR.
							--	30	08-23-55	17.0	63	1,920	D,S	Cooper, 1958	CA. Improved spring.
13	9S.9E.25.422	332945-1055709	I Bar X Spring	--	Constricted fan	Qal	5,720	4-5	10-19-55	17.0	63	1,650	S	do.	CA. Improved spring.

Table 15.--Physical characteristics of springs in Lincoln County--Continued

Number in figure 17	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
14	9S.9E.32.211	332922-1060135	Milagro Springs	--	Arroyo at end of hogback	Kmv	5,265	--	1911	--	--	--	--	McLean, 1970	CAR.
								--	02-26-53	--	--	2,000	--	*	CA.
								15-20	08-18-55	--	--	2,050	N	Cooper, 1958; McLean, 1970	CA. Unimproved spring.
15	9S.11E.34.410	--	--	--	Hillside	Qal	8,025	10	08-09-77	13.0	55	590	--	Davis and others, 1980	--
16	9S.12E.12.410	333215-1054358	Nugget Spring	--	"Dry Gulch"	K?	6,800	1	04-16-57	--	--	2,340	N	Cooper, 1958	CA. Unimproved spring.
17	9S.12E.13.340	333109-1054418	Tunnel Spring	--	Nogal Canyon	K?	7,200	2	04-16-57	--	--	1,600	N	do.	CA. Unimproved spring.
18	9S.13E.32.223	--	Lamay Spring	Lincoln National Forest	Arroyo	Qal	7,230	.75B	08-10-77	17.0	63	2,200	--	Davis and others, 1980	CAR.
19	9S.13E.33.210	--	--	--	North wall, Ferguson Canyon	do.	7,080	1	08-10-77	15.0	59	1,580	--	do.	--
20	9S.15E.15.331	333117-1052805	--	A.T. Pfingsten	Terrace, Rio Bonito	Psa	5,972	--	05-17-39	--	--	580	--	Mourant, 1963	CA.
								250	10-06-55	13.5	56	773	N	do.	CA. Spring located in fault zone; flow intermittent.
21	9S.16E.16.134	--	Lincoln Spring	USFS	Canyon	Py?	6,060	10	01-13-56	--	--	--	N	do.	Spring located in highly folded and faulted zone.

Table 15.--Physical characteristics of springs in Lincoln County--Continued

Number in figure 17	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
22	9S.16E.34.141	--	Hulbert Spring	--	Hillside, Rio Bonito valley	Py	5,760	15-20	08-11-77	18.0	64	870	--	Davis and others, 1980	--
23	9S.18E.5.123	333345-1051120	Blue-water Spring	Richard Pryor	Base of Capitan Mountains	Py?	5,540	10	04-13-56	17.5	63	2,200	D,S	Mourant, 1963	CA.
24	10S.6E.23.242	332535-1071705	Mound Springs	White Sands Proving Grounds	Coalescing alluvial fans	Qal	4,350	3	06-02-55	16.0	61	4,850	--	McLean, 1970	CA.
								--	08-06-57	--	--	5,050	--	--	CA.
25	10S.11E.2.341	--	--	Lincoln National Forest	North wall, Bonito Creek	Ti	7,650	1	08-09-77	12.0	54	1,000	--	Davis and others, 1980	Spring water issues from prospect pit and is milky yellow.
26	10S.12E.12.144	--	--	do.	Rio Bonito valley	Qal, Ti	7,500	32M	08-09-77	11.0	53.5	280	--	do.	CAR. Spring water flows into Bonito Lake.
27	10S.12E.24.431	--	Little Creek Spring	do.	Head of canyon	Ti	7,990	0.4B	08-09-77	14.0	57	370	--	do.	CAR.
28	10S.12E.25.140	--	--	do.	Small tributary to Telephone Canyon	do.	7,990	54B	08-09-77	15.0	59	180	--	do.	--
29	10S.13E.8.241	--	--	--	Philadelphia Canyon	do.	7,200	4	08-10-77	14.0	57	955	--	do.	--

Table 15.--Physical characteristics of springs in Lincoln County--Continued

Number in figure 17	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (micro-siemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
30	10S.13E.26.144	--	--	E.J. Blaylock	Little Creek valley	Kmv	--	2	12-08-55	11.5	53	--	S	Mourant, 1963	Seepage at stream-bank.
31	10S.16E.12.322	332716-1051932	Emil Fritz Spring	A.T. Pfingsten	North wall, Rio Bonito valley	Py	5,550	5	09-29-55	17.0	63	1,200	D,S	do.	CA.
								--	08-11-77	18.0	65	1,060	D	Davis and others, 1980	Reported as 10S.16E.12.411.
32	10S.16E.26.441	332430-1052008	Peter Hurd Spring	Peter Hurd	Terrace, Rio Ruidoso	Qal, Py	5,360	100	08-23-55	15.0	59	1,820	I	Mourant, 1963	CA.
								200	05-16-77	9.0	48	2,100	D	Davis and others, 1980	CAR.
33	10S.16E.27.000	--	Crouse Spring	Manuel Corona	Terrace, Rio Ruidoso	Qal	--	--	--	--	--	--	N	Mourant, 1963	CAR. Spring has ceased to flow.
34	10S.17E.29.414	332438-1051711	Colonel Fritz Spring	A.T. Pfingsten	North wall, Rio Bonito valley	Psr	5,320	--	05-23-55	17.0	63	861	D,I	do.	CA.
								390	10-19-55	17.0	63	--	--	do.	--
								--	08-11-77	18.0	65	735	D	Davis and others, 1980	Also used as supply for trout farm.

Table 15.--Physical characteristics of springs in Lincoln County--Concluded

Number in figure 17	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
35	11S.13E.8.411	--	--	Lincoln National Forest	Confluence of North and South Forks of Spring Canyon	Qal, Ti	7,250	2	08-02-77	18.0	64	780	--	Davis and others, 1980	--
36	11S.13E.14.312	--	Bog Spring	do.	Confluence of arroyos in Cree Meadows	Qal	6,805	--	08-12-77	12.0	54	2,250	--	do.	CAR.
37	11S.14E.14.200	--	Seeping Springs Lakes	do.	Valley bottom of Rio Ruidoso	Qal, Py	6,125	415	08-12-77	15.0	59	1,650	--	do.	CAR. Yield for seven springs that feed the bottom of the ponds used for recreation.
38	11S.14E.28.321	331937-1053507	Hale Spring or Aqua Fria Spring	Ruidoso Downs and Bruce Griffith	Hillside	Py	6,595	246	04-27-55	12.0	54	1,570	P,D	Mourant, 1963	CA.
								220	08-02-77	14.0	57	1,800	P,D	Davis and others, 1980	CAR.
39	11S.14E.32.233	--	Baston Spring	--	Hillside of Pine Canyon	do.	6,715	2	08-02-77	13.0	56	1,070	--	do.	--

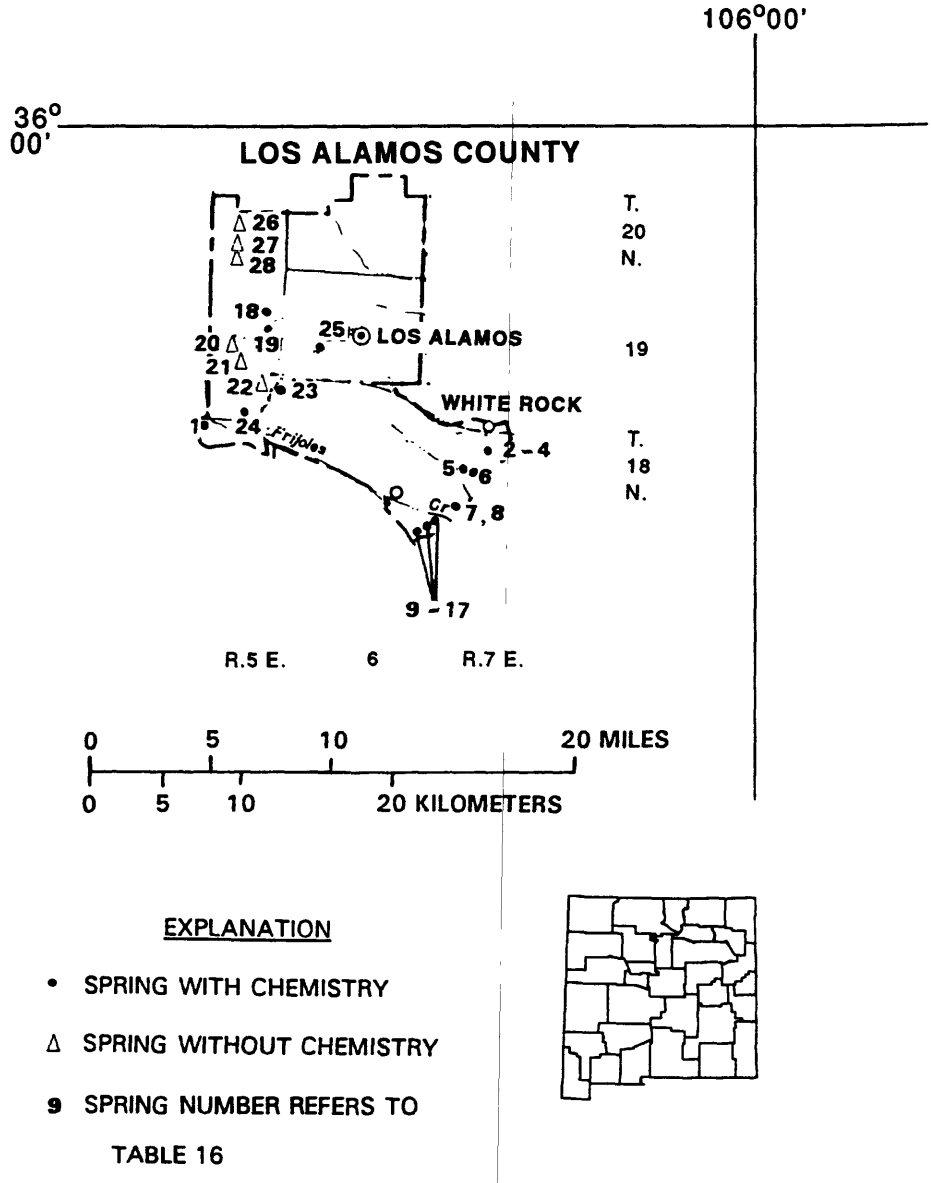


Figure 18.--Location of inventoried springs in Los Alamos County.

Table 16.--Physical characteristics of springs in Los Alamos County

Number in figure 18	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
1	18N.5E.2.131	354926-1062318	Sawyer Spring	USFS	Steep slope in canyon	Qr	8,320	1	06-07-61	9.0	48	119	N	John and others, 1967	CA. RA. Santa Fe National Forest; spring located in crack in contact between welded ash flows; water piped into stock-watering trough.
2	18N.7E.3.421	354909-1061047	Spring 3	--	Slope on west side of White Rock Canyon	QTsf	5,560	19M	06-20-63	19.5	67	68	N	do.	CAR. RAR. Ramon Vigil Grant; seeps and boils in gravels underlying basalt.
								--	06-21-63	22	72	172	--	Trainer, 1978	CA; (K1, Trainer).
3	18N.7E.3.421a	354908-1061048	Spring 3A	--	do.	do.	5,560	--	06-21-63	22	72	175	N	do.	CA; (K2, Trainer).
								47	08-26-64	19.5	67	81	N	John and others, 1967	CAR. RAR. Ramon Vigil Grant; seeps and boils in gravels underlying basalt.
4	18N.7E.3.443	354852-1061045	Spring 3AA	--	do.	do.	5,460	--	--	--	--	--	N	Trainer, 1978	(K3, Trainer).
								<.25	08-26-64	--	--	81	N	John and others, 1967	CAR. RAR. Ramon Vigil Grant; seep in sandy layer.
5	18N.7E.9.422	354813-1061148	Spring 4A	--	West side at Pajarito Canyon	do.	5,600	--	08-26-64	--	--	--	N	Trainer, 1978	CA. Ramon Vigil Grant; (K4, Trainer).

Table 16.--Physical characteristics of springs in Los Alamos County--Continued

Number in figure 18	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
5	18N.7E.9.422 (Continued)							122M	06-08-65	20.5	69	68	--	John and others, 1967	CAR. RAR. Opening in gravel beds underlying basalt; equipped with a water-stage recorder; there are other springs in the area.
								--	05-11-73	21.5	71	200F	--	Trainer, 1978	CA. TA. RA.
								583	No date	--	--	--	--	do.	--
6	18N.7E.10.113	354818-1061135	Spring 4	--	Slope on west side of White Rock Canyon	QTsf	5,500	--	06-21-63	--	--	205	N	do.	CA. Ramon Vigil Grant; (K5, Trainer).
								81M	08-26-64	17.0	63	108	I	John and others, 1967	CAR. RAR. Seep area about 500 feet long in gravel.
7	18N.7E.16.234	354729-1061201	Spring 5	--	do.	do.	5,570	--	06-21-63	19.5	67	213	N	Trainer, 1978	CA. Ramon Vigil Grant; (K7, Trainer).
								9M	08-27-64	20.5	69	91	--	John and others, 1967	CAR. RAR. Discharges from crack in basalt.
8	18N.7E.16.423	354718-1061138	Spring 5A	--	West bank of Rio Grande	do.	5,430	27M	08-27-64	20.5	69	108	N	John and others, 1967; Trainer, 1978	CAR. RAR. Ramon Vigil Grant; (K8, Trainer); opening discharges as boils in basalt unit interbedded with siltstones.

Table 16.--Physical characteristics of springs in Los Alamos County--Continued

Number in figure 18	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
9	18N.7E.20.312	354630-1061339	Ancho Spring	--	Ancho Canyon bottom	QTsf	5,700	50	No date	20.5	69	--	N	Griggs, 1964; Trainer, 1978	Ramon Vigil Grant; (K9, Trainer).
								65M	09-28-65	20.0	68	68	--	John and others, 1967	CAR. RAR. Seeps in gravel.
								--	09-28-65	21.0	70	132	--	*	CA.
10	18N.7E.20.431	354610-1061316	Spring 6	--	West bank of Rio Grande	do.	5,380	--	06-21-63	20.0	68	137	N	Trainer, 1978	CA; Ramon Vigil Grant; (K10, Trainer).
								57M	08-27-64	20.0-23.5	68-74	68	--	John and others, 1967	CAR. RAR. Spring area 200 feet in length discharges in fractures in basalt flow.
11	18N.7E.21.131	354637-1061246	Spring 5B	--	do.	do.	5,400	--	No date	--	--	--	N	Trainer, 1978	(K11, Trainer).
								10	08-27-64	15.0	59	81	--	John and others, 1967	CAR. RAR. Ramon Vigil Grant; discharges in fractures in basalt flow.
12	18N.7E.29.112	354601-1061338	Spring 6A	--	do.	do.	5,375	--	No date	--	--	--	N	Trainer, 1978	(K12, Trainer).
								150M	08-27-64	21.5	71	53	--	John and others, 1967	CAR. RAR. Ramon Vigil Grant; opening discharges as boil in basalt flow.

Table 16.--Physical characteristics of springs in Los Alamos County--Continued

Number in figure 18	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
13	18N.7E.30.123	354556-1061438	Doe Spring	--	Slope on north side of Chaquehui Canyon	QTsf	5,600	5	07-02-65	--	--	160	N	John and others, 1967; Trainer, 1978	CAR. RAR. Ramon Vigil Grant; (K13, Trainer); seep in sandy bed.
14	18N.7E.30.124	354551-1061424	Spring 9	--	Slope on west side of Rio Grande Canyon	do.	5,510	--	06-21-63	21.0	70	150	N	Trainer, 1978	CA; (K14, Trainer).
								8	08-27-64	20.0	68	81	--	John and others, 1967	CAR. RAR. Ramon Vigil Grant; seep in sandy bed.
15	18N.7E.30.213	354552-1061418	Spring 8A	--	--	do.	5,365	--	No date	--	--	--	N	Trainer, 1978	(K15, Trainer).
								26M	08-27-64	21.0	70	68	--	--	CAR. RAR. Issues from fractures in basalt flow; Ramon Vigil Grant.
16	18N.7E.30.214	354551-1061410	Spring 8	--	East bank of Rio Grande	do.	5,370	70	06-21-63	21.0	70	160	N	John and others, 1967; Trainer, 1978	CA in Trainer; Ramon Vigil Grant; (K16, Trainer); issues from fractures in basalt flow.
17	18N.7E.30.233	354553-1061402	Spring 7	--	do.	do.	5,370	--	06-21-63	21.5	71	128	N	Trainer, 1978	CA. Ramon Vigil Grant; (K17, Trainer).
								173M	08-27-64	--	--	91	--	John and others, 1967	CAR. RAR. Issues from fractures in basalt flow.

Table 16.--Physical characteristics of springs in Los Alamos County--Continued

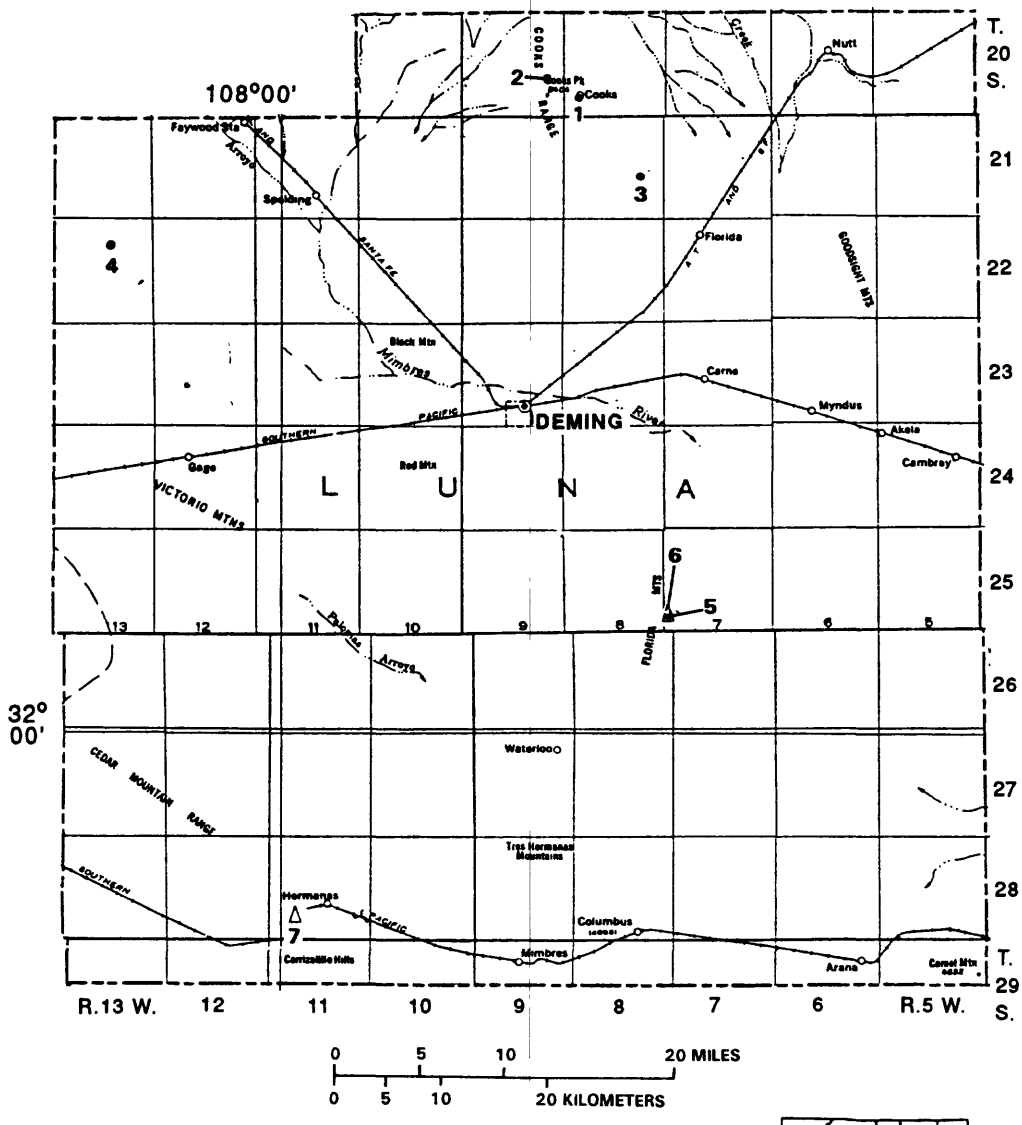
Number in figure 18	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
18	19N.5E.12.143	355340-1062155	--	USFS	Los Alamos Canyon bottom	Qal	8,000	20	No date	--	--	--	N	Griggs, 1964; Trainer, 1978	Santa Fe National Forest; (R1, Trainer).
								--	06-07-61	--	--	64	--	John and others, 1967	CAR. RAR. Seeps from formation contact.
19	19N.5E.14.431	355025-1062249	Pajarito Spring	do.	Floor of Pajarito Canyon	do.	8,660	25	No date	--	--	--	N	Griggs, 1964; Trainer, 1978	Santa Fe National Forest; (R2, Trainer).
								--	06-07-61	--	--	67	--	John and others, 1967	CAR. RAR. Seeps from formation contact.
20	19N.5E.25.111	355120-1062218	--	do.	Wall of Valle Canyon	Qr	8,340	4	No date	--	--	--	N	Griggs, 1964; John and others, 1967; Trainer, 1978	(R4, Trainer); issues from crack in welded ash flow.
21	19N.5E.25.333	355039-1062220	--	do.	Floor of Water Canyon	do.	8,000	90	No date	--	--	--	N	Griggs, 1964; Dinwiddie and others, 1966a; John and others, 1967; Trainer, 1978	(R5, Trainer); issues from crack in welded ash flows; Dinwiddie and others (1966a) reported the owner as U.S. Atomic Energy Commission.
22	19N.5E.26.221	352121-1062230	--	do.	Valle Canyon bottom	Qal	8,240	4	No date	--	--	--	--	Griggs, 1964; John and others, 1967; Trainer, 1978	(R3, Trainer); Santa Fe National Forest; seeps from formation contact.

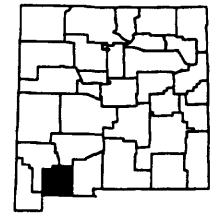
Table 16.--Physical characteristics of springs in Los Alamos County--Continued

Number in figure 18	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
23	19N.5E.26.332	355040-1062312	Armstead Spring	USFS	Water Canyon bottom	Qr	8,216	2	No date	--	--	--	N	Griggs, 1964; Dinwiddie and others, 1966a; John and others, 1967; Trainer, 1978	Santa Fe National Forest; (R6, Trainer); issues from fracture in fractured latite; formerly public water supply.
						QTt		--	06-12-58	--	--	105	--	Dinwiddie and others, 1966a	CA; water is collected from a spring box; Dinwiddie and others, 1966a, reported the owner as U.S. Atomic Energy Commission.
								--	06-07-61	6.5	44	97	--	Dinwiddie and others, 1966a; John and others, 1967	CA. RAR.
24	19N.5E.35.114	355014-1062255	American Spring	do.	Slope of canyon	Qr	8,280	5M	No date	--	--	--	N	Griggs, 1964; Dinwiddie and others, 1966a; John and others, 1967; Trainer, 1978	Santa Fe National Forest; (R7, Trainer); issues from cracks and seeps from welded ash flows; formerly public water supply.
								--	06-12-58	--	--	122	--	Dinwiddie and others, 1966a	CA; water is collected from a spring box. Reported owner is U.S. Atomic Energy Commission.
								--	06-07-61	--	--	117	--	John and others, 1967	CA. RAR.

Table 16.--Physical characteristics of springs in Los Alamos County--Concluded

Number in figure 18	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
25	19N.6W.9.441	355315-1061818	--	Atomic Energy Commission	Acid Canyon	--	--	20	09-23-65	14	57	370	--	*	CA.
26	20N.5E.26.113	355628-1062304	--	USFS	Canyon bottom	Qr	8,850	25	No date	--	--	--	N	Griggs, 1964; Trainer, 1978	Santa Fe National Forest; (R8, Trainer); formerly public water supply.
27	20N.5E.26.311	355456-1062231	--	do.	do.	do.	8,660	15	No date	--	--	--	N	do.	Santa Fe National Forest; (R11, Trainer); formerly public water supply.
28	20N.5E.35.433	355609-1062306	--	do.	do.	do.	8,840	40	No date	--	--	--	N	do.	Santa Fe National Forest; (R12, Trainer); formerly public water supply.





EXPLANATION

- • SPRING WITH CHEMISTRY
- Δ SPRING WITHOUT CHEMISTRY
- **5** SPRING NUMBER REFERS TO TABLE 17

Figure 19.--Location of inventoried springs in Luna County.

Table 17.--Physical characteristics of springs in Luna County

Number in figure 19	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
1	20S.8W.29.314	323210-1074130	Shale Spring	Thomas L. Hyatt	Base of mountain	Kc	5,415	1.9B	02-14-72	19.0	66	797	S	McLean, 1977	CA.
2	20S.9W.24.423	323305-1074305	Riley Spring	do.	do.	Qal	~ 6,180	--	02-14-72	12.0	54	656	S	do.	CA.
3	21S.8W.23.313	322745-1073853	Cook's Spring	AT&SF R.R.	Low hillside	do.	4,830	10R	--	--	--	--	S	do.	Water piped to tank at Florida, New Mexico.
								--	12-12-40	--	--	--	S	do.	CA.
4	22S.13W.10.113	--	Cow Springs	Walter Hightower	--	do.	5,040	--	--	--	--	--	S	do.	--
								--	12-12-40	--	--	--	--	do.	CAR.
5	25S.7W.31.132	320605-1073610	Byer Spring	Gerald B. Greeman	Bottom of small canyon	pЄ	5,160	0.4B	03-09-72	20.0	68	514	S	do.	CA. Tunnel dug into fractured granite under wash.
6	25S.7W.31.131	--	--	do.	--	pЄ	5,500	0.5	03-09-72	--	--	--	S	do.	Water piped from small dam in wash.
7	28S.11W.29.243	--	Carrizallo Spring	--	Saddle	Qal	4,535	--	03-06-73	--	--	--	S	do.	Spring developed and pumped for stock; underflow brought to surface by rhyolite dike.

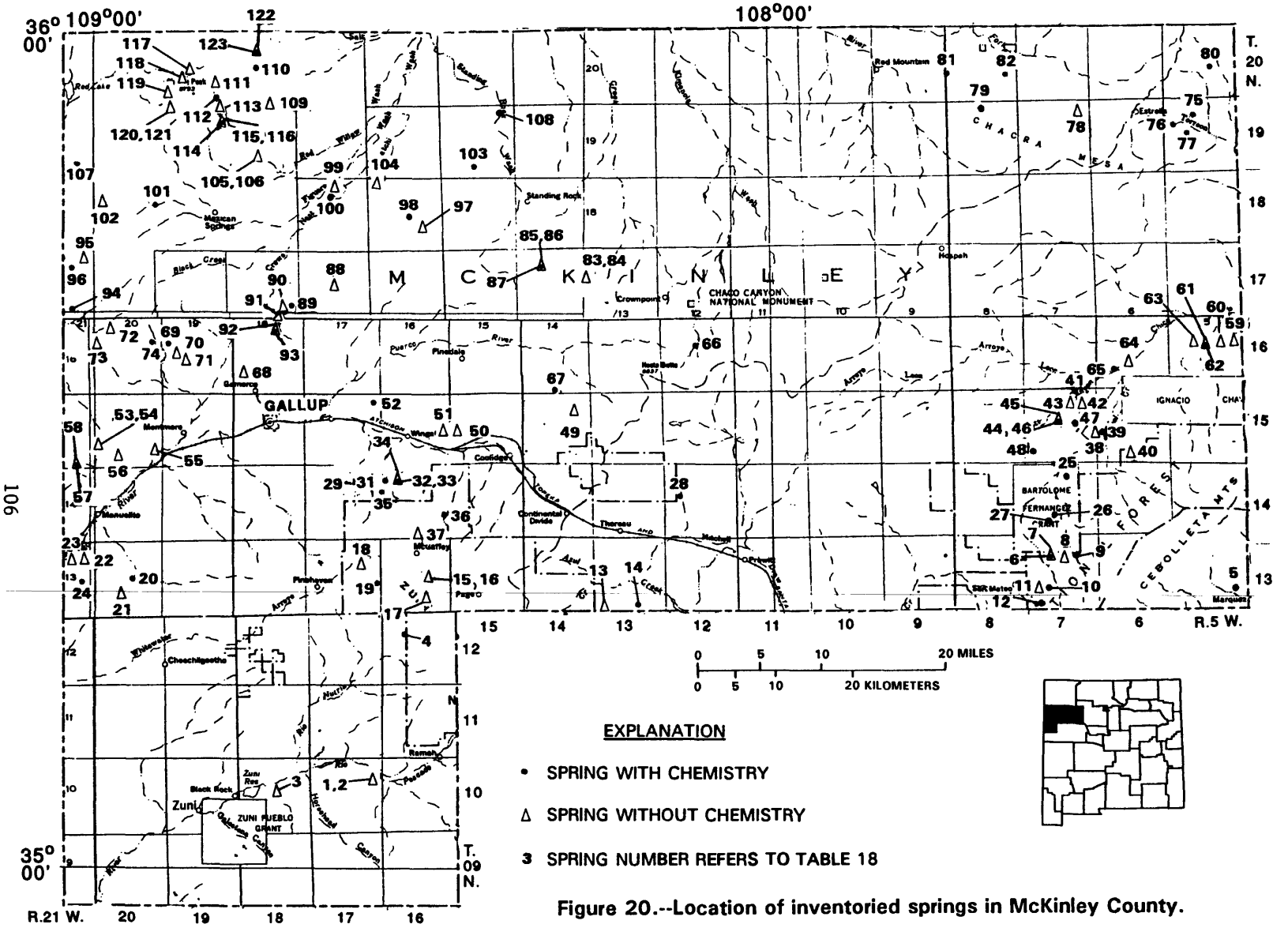


Figure 20.--Location of inventoried springs in McKinley County.

Table 18.--Physical characteristics of springs in McKinley County

Number in figure 20	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
1	10N.17W.12.431	350627-1083453	Lower Pescado	--	--	Qb	6,732	--	--	--	--	--	--	*	Combined discharge for both Upper and Lower Pescado, 475 gpm.
2	10N.17W.12.442	350627-1083430	Upper Pescado	--	--	do.	6,767	--	--	12.5	54.5	500F	--	*	do.
3	10N.18W.18.223	350606-1084614	Black Rock	--	--	do.	6,400	--	--	16.0	61	460	P	*	--
4	12N.16W.8.314	351655-1083313	Nutria Spring	-- --	Mouth of Nutria Canyon	--	7,560	--	12-14-50	13.5	56	573	--	Whitcomb and others, 1951	CA.
5	13N.5W.26.134	351928-1072017	Ojo Marquez	Village of Marquez	East Mesa edge	Kmv	7,380	25	08-27-62	17.0	63	329	D,I	Cooper and John, 1968	CAR. Issues from vertical fracture.
6	13N.7W.9.323	352157-1073513	--	USFS	NW edge of Cebollita Mountains	Te, Kmv	7,810	50	10-23-62	11.0	52	203	S	do.	CAR.
7	13N.7W.9.423	352204-1073445	--	do.	Hillside	do.	7,840	50	10-23-62	--	--	--	S	*	At contact of basalt and Menefee Formation.
8	13N.7W.10.423	352203-1073338	--	--	do.	Tb	8,130	50	10-23-62	11.0	52	--	S	*	do.
9	13N.7W.11.131	352220-1073325	C.C.C. Spring	Fernandez Ranch	Head of San Miguel Creek	do.	7,950	--	09-12-56	--	--	--	S	*	Cooper and John, 1968, reported this spring as San Miguel Spring. Series of springs in creek bottom to canyon sides.
								75	12-12-56	11.0	52	--	--	Comp.	CA.
								75	10-23-62	--	--	--	--	Cooper and John, 1968	--

Table 18.--Physical characteristics of springs in McKinley County--Continued

Number in figure 20	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
10	13N.7W.20.123	352044-1073616	San Lucas Spring	USFS	Side of mesa	Tb	7,850	20	08-29-62	12.0	54	255	S	Cooper and John, 1968	CA.
11	13N.7W.20.334	351910-1073727	San Mateo Springs	Fernandez Ranch	--	do.	7,700	--	09-13-56	6.75	44.5	194	--	*	--
12	13N.7W.31.414	351831-1073700	do.	Fernandez Ranch and Community of San Mateo	Valley	do.	8,120	275	03-31-61	11-13.5	52-56	--	D,I	*	CA. Reported discharge is from five springs; many small springs in area.
								250-300	10-24-62	13.5	56	117	--	Cooper and John, 1968	--
13	13N.13W.30.223	351958-1081500	--	Charles Bass	Azul Creek valley	Psa	7,495	10	06-02-59	--	--	--	S	do.	Stock tank.
								20	06-02-59	--	--	--	D,I	do.	Flow reportedly several hundred gpm in wet years.
14	13N.13W.34.233	351853-1081203	--	Hollis Howe	Stream bed	do.	7,475	--	09-04-62	11.0	52	462	--	do.	--
								20	12-11-62	9.5	49	487	--	Comp.	CA.
15	13N.16W.22.224	352052-1083040	Tampico Spring	USFS	Dip slope	Pa	7,820	3M	08-21-56	--	--	--	S	West, 1959	Fracture opening; reported as 13N.16W.22.210.
16	13N.16W.22.400	352010-1083057	--	--	do.	do.	--	5	08-21-56	--	--	--	S	do.	Seeps.
17	13N.16W.27.214	351958-1083100	--	--	--	Psa, Pg	--	10.0	08-21-56	--	--	--	S	do.	Seeps.

Table 18.--Physical characteristics of springs in McKinley County--Continued

Number in figure 20	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
18	13N.17W.11.224	352231-1083604	Little Bear Spring	USFS	Narrow canyon	Pg	7,900	0.1	09-04-56	--	--	--	S	West, 1959	Fracture opening; reported as 13N.17W.11.240.
19	13N.17W.13.324	352117-1083534	Stinking Spring	do.	do.	Trc	7,680	--	05- -52	--	--	480	S	Shomaker, 1971	CA. Seeps.
								0.1	09-04-56	--	--		--	West, 1959	--
20	13N.20W.15.110	352150-1085706	--	BIA	Arroyo bottom	Qal, Kd	6,450	--	07-14-51	--	--	2,020	S	do.	CA.
								--	05-28-56	--	--	--	--	do.	--
21	13N.20W.21.310	352030-1085915	--	--	--	Jz	--	10R	1936	--	--	--	--	do.	--
22	13N.21W.1.420	352305-1090036	16A-305	BIA	Face of cliff	do.	6,330	0.3	05-13-55	--	--	--	S	do.	Seeps.
23	13N.21W.2.410	352305-1090155	16A-221	do.	Edge of cliff	Jmw	6,300	0.1	05-10-55	--	--	--	D	do.	--
24	13N.21W.13.130	352134-1090123	16A-306	do.	Face of cliff	Jcs	6,280	0.5	05-13-55	10.5	51	452	D,S	do.	CA.
								0.5	09-08-55	--	--	--	--	*	--
25	14N.7W.10.333	352657-1073419	Cerro Spring	Fernandez Ranch	Arroyo bottom	Kmf	6,822	--	03-31-61	15.0	59	--	S	*	CAR. Bartolome Fernandez Grant; near andesite dike; sulfate odor.
								10.0	10-23-62	--	--	--	--	Cooper and John, 1968	--

Table 18.--Physical characteristics of springs in McKinley County--Continued

Number in figure 20	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
26	14N.7W.28.134	352455-1073523	Sap Hole Spring	Fernandez Ranch	Ridge between arroyos	Kmf	6,908	--	03-31-61	13.5	56	--	S,I	*	CAR. Bartolome Fernandez Grant; spring located on east-west-trending fault.
								0.25	10-23-62	--	--	--	--	Cooper and John, 1968	--
27	14N.7W.28.424	352439-1073434	Fort Miguel Ruins Spring	do.	Side of creek	do.	6,950	2R	03-31-61	14.0	57	--	S	*	CAR. Bartolome Fernandez Grant; spring has caused shale to slump into stream.
								1	10-23-62	--	--	--	--	Cooper and John, 1968	--
28	14N.12W.17.333	352614-1080817	16K-303A San Antonio Spring	BIA	Hillside	Trw	7,175	1.0	11-15-48	7.0	45	881	D,S	Halpenny and Whitcomb, 1949	CA. Collection gallery.
								1	07-21-62	--	--	--	--	Cooper and John, 1968	Reported unfit for human consumption.
29	14N.16W.6.121	352800-1083428	Santa Fe Spring	AT&SF R.R.	Base of steep slope	Psa, Pg	6,953	35	1934	--	--	--	N	Shomaker, 1971	Ft. Wingate; reported by Shomaker as 14N.16W.7.121; fracture opening.
								22.7M	08-04-50	13.0	55	730	--	West, 1959	CA. Water piped to Wingate Railroad Station from 1910 to 1949.
								Dry	1961	--	--	--	--	Shomaker, 1971	--

Table 18.--Physical characteristics of springs in McKinley County--Continued

Number in figure 20	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
30	14N.16W.7.433	352710-1083415	Milk Ranch Spring 16GS-122-2	USFS	Narrow canyon	Psa, Pg	--	450	1934	--	--	--	--	Shomaker, 1971	Ft. Wingate.
								139(?)	1940(?)	--	--	--	--	do.	--
								--	08- -50	--	--	774	--	do.	CA.
								Seep	1967	--	--	--	--	do.	--
31	14N.16W.7.441	352735-1083400	Sheep Lab Spring	U.S. Dept. of Agriculture	Base of steep slope	Trc, Psa	7,300	--	11- -43	--	--	707	P	do.	CA. Ft. Wingate.
								33	08-09-50	13.5	56	703	--	do.	CA.
								14.2M	04-12-56	--	--	--	--	West, 1959	--
								Dry	1967	--	--	--	--	Shomaker, 1971	--
32	14N.16W.8.220	352744-1083240	Bear Spring 16GS-122-1	BIA	Narrow canyon	Psa, Pg	7,070	225	1934	--	--	--	--	do.	Ft. Wingate; cast iron-lined sump.
								--	08-04-50	13.0	55	1,010	N	do.	CA.
								2.2M	06-14-56	--	--	--	--	West, 1959	--
								Dry	1967	--	--	--	--	Shomaker, 1971	--

Table 18.--Physical characteristics of springs in McKinley County--Continued

Number in figure 20	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
33	14N.16W.9.122	352754-1083213	Ft. Wingate Spring PM-1	BIA	Hillside	Trc, Psa	7,060	195	08-09-50	12.0	54	913	P	Shomaker, 1971	CA. Ft. Wingate. Sole supply for old Ft. Wingate until 1953; water issued from four fracture openings; 40-foot round concrete sump. Spring failed when well at 14N.16W.9.1222 was drilled in 1968.
								104M	06-18-56	--	--	--	--	West, 1959	--
34	14N.16W.9.211	352755-1083210	--	do.	--	Psa, Pg	7,050	46	07-10-64	--	--	--	--	Dinwiddie and others, 1966a	Ft. Wingate.
								5(?)	1968	--	--	--	--	Shomaker, 1971	--
35	14N.16W.18.122	352708-1083425	U.S. Department of Agriculture	--	Narrow canyon	do.	--	--	08-07-50	--	--	774	S	West, 1959	CA. Ft. Wingate.
								30	06-15-56	--	--	--	--	do.	--
36	14N.16W.24.342	352527-1082912	Six Mile Spring	USFS	Arroyo bottom	Psa, Trc, Qcl	7,310	5	1934	--	--	--	--	Shomaker, 1971	Cibola National Forest.
								2	08-22-56	--	--	--	--	West, 1959	CA.
								1-2	06-05-68	--	--	580	--	Shomaker, 1971	--
37	14N.16W.34.323	352354-1083120	Turkey Springs	do.	Narrow canyon	Trc, Qal	7,712	Dry	08-21-56	--	--	--	--	do.	Cibola National Forest.
38	15N.6W.19.321	353054-1073058	El Dado Springs	Fernandez Ranch	Valley	Kmf	6,595	5	07-21-62	--	--	--	D,S	Cooper and John, 1968	--

Table 18.--Physical characteristics of springs in McKinley County--Continued

Number in figure 20	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
39	15N.6W.20.121	353117-1072953	--	Albert Michael	Arroyo bottom	--	6,600	0.25	10-03-62	16.5	62	451	D,S	Cooper and John, 1968	CA.
40	15N.6W.32.231	352920-1072932	Ojo de las Yuges	do.	Hillside	Kmf	6,725	2	10-22-62	--	--	--	S	do.	Several springs in the area.
41	15N.7W.10.411	353233-1073412	Pena Spring	Floyd Lee(?)	Arroyo bottom	do.	6,535	1.0	10-16-62	12.0	54	780	S	*	CA. Cooper and John, 1968, referred to this spring as possibly being Sandoval Spring.
42	15N.7W.14.131	353153-1073250	Coal Mine Spring	Fernandez Ranch	Shallow valley floor	do.	6,550	--	10-15-62	13.5	56	--	S	*	Almost dry; flow fluctuates.
43	15N.7W.15.243	353152-1073334	Burro Springs	do.	Rolling hills near arroyo	do.	6,555	2	10-15-62	13.0	55	--	S	Cooper and John, 1968	Series of springs issue from same horizon.
44	15N.7W.22.114	353110-1073415	600	--	--	do.	6,569	--	10-11-56	13.5	56	--	--	*	CA.
45	15N.7W.22.131	353103-1073421	Ojo Redondo	Fernandez Ranch	Edge of small hill	do.	6,569	2R	03-31-61	14.75	58.5	--	S	*	Seep tank.
								0.25	09-19-62	--	--	--	--	Cooper and John, 1968	--
46	15N.7W.22.141	353102-1073403	Montano Spring	do.	--	do.	6,586	--	10-31-61	20.0	68	--	S	*	CA. Seeps.
47	15N.7W.23.132	353104-1073313	Doctor Spring	do.	--	do.	6,588	10	03-31-61	10.5	51	--	S	*	--
								15	10-03-62	14.0	57	350	--	Cooper and John, 1968	CA.

Table 18.--Physical characteristics of springs in McKinley County--Continued

Number in figure 20	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
48	15N.7W.29.431	353023-1073635	San Ysidro Spring	Fernandez Ranch	Low hills and arroyo	Kmf	6,655	1	03-31-61	14.0	57	--	S	*	CA. Seeps; reported as 15N.7W.29.344; several other springs in area.
								1	10-15-62	--	--	--	--	Cooper and John, 1968	Other smaller springs in area.
49	15N.14W.11.213	353301-1081722	16GS-105-5	USIS	Small valley	Kd	7,380	0.5	05-24-54	--	--	--	S	*	--
50	15N.15W.18.140	353155-1082810	Iynbito Spring	Navajo Tribe	--	Trc	7,020(?)	0.5	1934	--	--	--	--	Shomaker, 1971	Ft. Wingate Military Reservation.
								<1	1956	--	--	--	--	do.	--
51	15N.16W.13.323	343142-1082920	--	USIS	Bottom of arroyo	do.	6,990	<1	04-05-56	--	--	--	D,S	*	Ft. Wingate Military Reservation.
52	15N.17W.1.223	353351-1083501	Kit Carson Spring	do.	Side of cliff	Jmw	7,000	--	08-30-49	--	--	--	--	--	--
								1	07-13-55	--	--	268	D	*	CA. General seep in ponded area.
53	15N.20W.19.2	353104-1085939	--	do.	Base of low cliff	Kg	6,400E	3	03-27-56	--	--	--	S,D	*	--
54	15N.20W.19.31	354118-1090030	16A-170	do.	Below cliff	Qal, Kg	6,520	Dry	09-08-55	--	--	--	S	*	Collection gallery.
55	15N.20W.24.32	353047-1085443	16A-268	do.	Head of canyon	Kg	6,500	1R	01-19-56	--	--	--	D,S	*	Seeps.
56	15N.20W.28.233	353002-1085743	Parker Spring	Leo Parker	Base of cliff in box canyon	do.	6,500	6.25	03-27-56	--	--	--	D,S	*	--

Table 18.--Physical characteristics of springs in McKinley County--Continued

Number in figure 20	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
57	15N.21W.35.21	352935-1090150	16GS-107-1	AT&SF R.R.	Head of canyon	Kcc	6,620	5.6M	09-14-51	14.0	57	634	S	*	CA.
58	15N.21W.35.21b (?)	352935-1090150	18A-158	--	--	do.	6,490	30R	08-26-55	--	--	--	S	*	Permanent.
59	15N.21W.13.422	353700-1071830	--	Ernesto Montoya	Edge of low hill	Kmf	6,325	0.1	09-19-62	--	--	--	S,D	Cooper and John, 1968	Flow stronger in the spring and in wet years.
60	15N.21W.14.442	353647-1071936	--	Joe Montoya	Arroyo bottom	do.	6,360	1	09-19-62	--	--	--	S	do.	--
61	15N.21W.15.122	353725-1072116	--	do.	Head of arroyo	do.	6,330	2	09-19-62	--	--	--	S	do.	Springs occur along basalt dike near small plug.
62	15N.21W.15.233	353703-1072103	Ojo Azabache	do.	Near crest of low hill	do.	6,330	1	09-19-62	20.5	69	1,150	S	do.	CA. Spring occurs along basalt dike at old stage coach station.
63	16N.5W.16.124	353720-1072216	--	Sandoval	Arroyo bottom	do.	6,330	2	09-19-62	--	--	--	S	do.	--
64	16N.6W.21.432	353600-1072830	--	Fernandez Ranch	do.	Kpl	6,370	5	10-03-62	--	--	--	S	do.	Flow creates area of clear water in murky stream.
65	16N.6W.29.231	353225-1072936	--	do.	do.	Kplh	6,410	20	10-03-62	--	--	--	S	do.	--
								17	10-03-62	13.0	55	1,350	--	Comp.	CA.
66	16N.12W.16.23	353704-1080639	15B-21	USIS	Base of cliff	Kcda	7,090	8	05- -32	--	--	--	S	Cooper and John, 1968	Collection gallery.
								2	05-19-55	12.0	54	4,050	--	*	CA.

Table 18.--Physical characteristics of springs in McKinley County--Continued

Number in figure 20	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
67	16N.14W.33.443	353403-1081915	Red Willow Spring	USIS	Narrow canyon	Kd, Km	7,285	0.5	09-08-55	--	--	--	--	*	--
								--	07-18-74	--	--	860	--	*	CA. TA. RA.
68	16N.18W.29.124	353528-1084603	China Spring	Gallup Gamerco Coal Co.	Base of cliff on hillside	Kcc	6,820	--	03-23-56	--	--	--	D,S	*	Limited yield.
69	16N.19W.7.33	353735-1085347	16A-226	BIA	Face of cliff	Kmf	6,750	0.2	06-02-45	--	--	--	--	West, 1959	CA. Seeps.
								0.25	09-07-55	14.5	58	--	D,S	*	--
70	16N.19W.17.120	--	Rock Spring	L.E. Wilson	Base of cliff	do.	6,720	0.2	03-23-56	--	--	--	D,S	West, 1959	Seeps; spring located in syncline.
71	16N.19W.17.444	353636-1085150	16A-228 Rock Spring	do.	Base of high cliff	do.	6,725	0.2	06-26-55	--	--	--	D,S	*	Altitude reported as 6,800 feet according to topographic sheet; good quality; seepage; contact spring.
72	16N.20W.5.41	353841-1085841	18A-76	BIA	Bottom of gully	Qal, Kcmg	6,980	1R	08-26-55	--	--	--	S	West, 1959	--
73	16N.20W.7.11	353817-1090012	--	do.	Stream bottom	Kmv, Kcbd	6,880	0.2	03-22-56	--	--	--	S	do.	Seeps.
74	16N.20W.12.33	353736-1085455	16A-226	USIS	Side of cliff	Kmf	6,700	--	06-02-55	14.5	58	192	D,S	*	CA.
								0.25	06-22-55	--	--	--	--	*	--
75	19N.5W.9.441	355328-1072210	--	--	--	--	6,630	--	01-13-76	5.5	42	2,550	--	Comp.	CA.
76	19N.5W.17.443	355215-1072256	--	--	--	--	6,680	--	01-14-76	--	--	650	--	do.	CA.

Table 18.--Physical characteristics of springs in McKinley County--Continued

Number in figure 20	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
77	19N.5W.18.221	355304-1072401	--	--	--	--	6,640	--	01-13-76	--	--	720	--	Comp.	CA.
78	19N.7W.1.411	355424-1073143	Raton Spring	--	Arroyo bottom	Kch(?)	6,710	--	01-05-76	--	--	--	N	*	Intermittent flow.
79	19N.8W.4.214	355435-1074110	Burro Spring	Pueblo Pintado	--	Kch	6,835	--	09-22-75	9.0	48	2,220	--	*	CA. Seep.
80	20N.5W.22.442	355642-1072038	Ojo Encino	--	Base of low cliff	Toa	6,790	--	11-01-63	15.5	60	295	P	Comp.	CA.
								--	01-13-76	--	--	280	--	do.	CA.
81	20N.8W.19.340	355640-1074335	--	--	--	Kch	--	--	09-22-75	15.5	60	1,050	--	do.	CA. Chaco Canyon National Monument.
82	20N.8W.24.334	355636-1073835	Ramona Spring	--	Arroyo bank	Kmv	6,580	--	01-28-76	4.0	39	1,300	--	*	CA. Pump installed; Chaco Canyon National Monument.
83	Navajo Reservation	354240-1081631	15B-5	--	Small valley	Kpl	6,890	< 0.1	02-09-55	--	--	--	S	Davis and others, 1963	Collection gallery.
84	do.	354223-1081656	Dalton Pass Spring	--	Base of cliff	do.	6,920	Dry	09-16-76	--	--	--	D,S	Shomaker, 1976	May be same spring as 15B-5.
85	do.	354316-1082012	15A-3	--	Small valley	do.	7,120	Dry	02-09-55	--	--	--	S	Davis and others, 1963	Collection gallery.
86	do.	354243-1082024	Tol Dohn Spring	--	Base of cliff	do.	7,185	1	09-16-76	--	--	--	D,S	Shomaker, 1976	May be same spring as 15A-3.
87	do.	353914-1083446	14N-70	--	Small valley	Kcda	7,010	0.5R	05-12-55	11.0	52	436	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA. Collection gallery.
88	do.	354145-1083827	14N-57	--	Bed of wash	Qal	6,530	0.5	05-13-55	--	--	--	D	Davis and others, 1963	--

Table 18.--Physical characteristics of springs in McKinley County--Continued

Number in figure 20	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
89	Navajo Reservation	353956-1084234	14A-61	--	Side of cliff	Kmf	6,450	--	05-17-55	14.5	58	2,070	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA. Sampled from trough; collection gallery.
90	do.	353938-1084313	14A-60	--	do.	do.	6,500	--	02-17-55	--	--	1,060	--	--	--
								0.1M	05-17-55	15.0	59	--	D,S	Davis and others, 1963; Kister and Hatchett, 1963	Partial analysis; collection gallery.
91	17N.18W.34.400	353927-1084354	14A-59	--	do.	do.	6,450	0.3	05-17-55	--	--	--	S	Davis and others, 1963	--
92	16N.18W.4.200	353856-1084442	14A-57	--	do.	do.	6,580	0.5	05-17-55	--	--	--	D	do.	Collection well.
93	16N.18W.4.200	353904-1084458	14A-56	--	do.	Kmf(?)	6,500	0.5	05-17-55	9.0	48	921	D	Davis and others, 1963; Kister and Hatchett, 1963	CA. Collection well.
94	17N.21W.35.420	353935-1090130	16GS-108-1	Navajo Bible School	Hillside	Kd	--	--	--	--	--	--	N	West, 1959	CA. Seeps; spring located in monocline; Navajo Indian Reservation.
95	Navajo Reservation	354342-1085953	18A-354A	--	Narrow valley	Kg	7,056	0.1	11-19-54	7	45	--	S	*	--
96	do.	354324-1090140	18A-142	--	Small valley	Qal	6,890	--	04-30-48	0.5	33	1,910	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA.
								1.0	11-19-54	--	--	--	--	--	--
97	do.	354620-1083026	14A-73B	--	Shallow canyon	Kpl	6,230	0.3R	05-18-55	--	--	--	D,S	Davis and others, 1963	Collection gallery.

Table 18.--Physical characteristics of springs in McKinley County--Continued

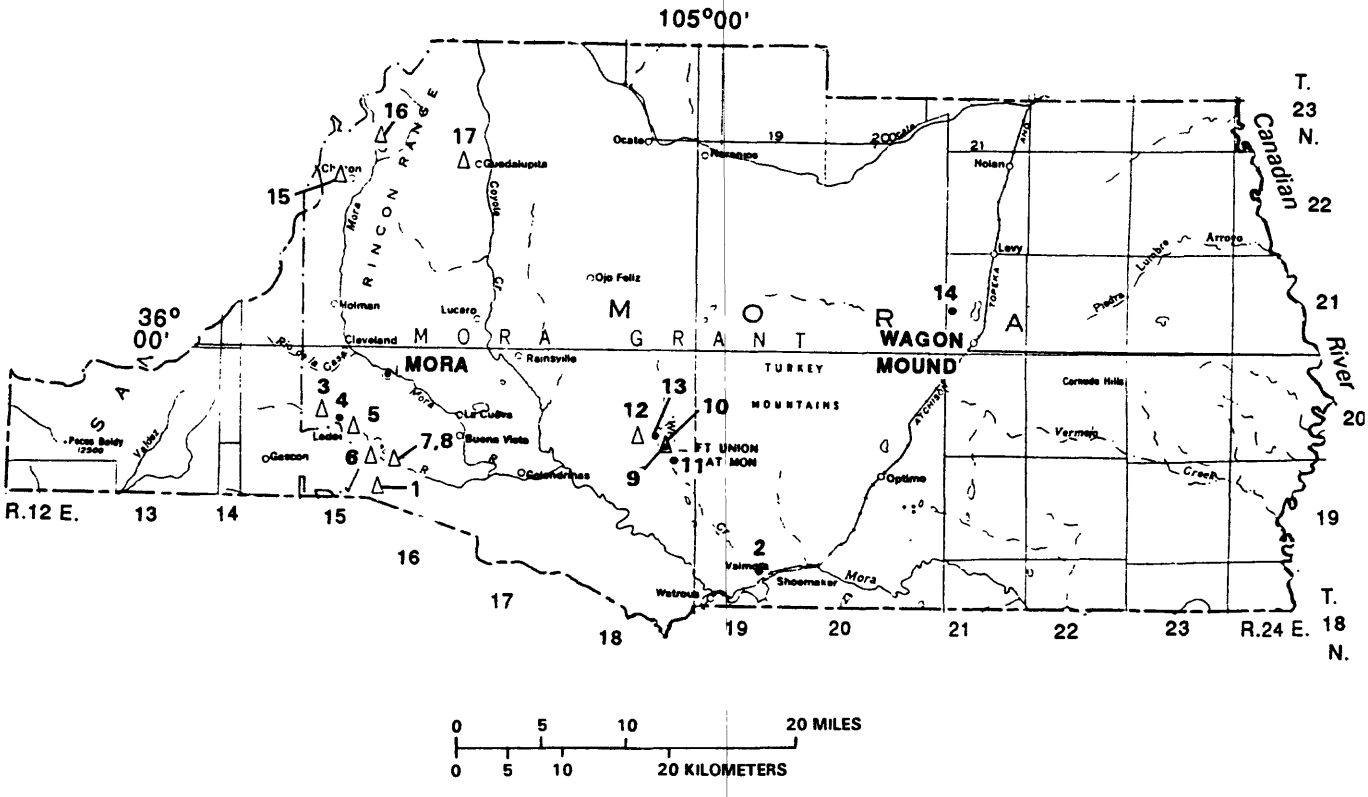
Number in figure 20	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
98	Navajo Reservation	354633-1083121	14A-73A	--	Shallow canyon	Kpl	6,200	0.5	05-18-55	14.5	58	328	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA. Collection gallery.
99	do.	354835-1083743	14N-41	--	Bed of wash	Qal	6,015	--	05-19-55	--	--	--	S	Davis and others, 1963	--
100	do.	354751-1083847	14M-5	--	do.	do.	6,040	--	05-19-53	19.5	67	532	S	Davis and others, 1963; Kister and Hatchett, 1963	CA.
101	do.	354725-1085403	14A-78	--	do.	do.	6,720	0.5	02-25-55	19.0	66	--	S	do.	CA.
								--	05-25-55	--	--	2,350	--	--	--
102	do.	354748-1085902	18A-71 White Clay Spring	--	Side of cliff	Kg	7,860	2	11-05-54	10.5	51	--	D,S	Davis and others, 1963	Collection gallery.
103	do.	355014-1082625	15A-5A	--	Small valley	Kmf	6,105	25	02-10-55	6.5	44	2,460	S	Davis and others, 1963; Kister and Hatchett, 1963	CA. Collection well.
104	do.	354920-1083352	14M-24	--	Plain	do.	6,010	0.3	05-19-55	18.5	65	2,040	S	do.	Partial analysis; collection gallery.
105	do.	355040-1084533	14M-12	--	Bed of wash	Kmf, Qal(?)	6,300	--	05-26-55	--	--	--	S	Davis and others, 1963	No flow; ground is damp.
106	do.	355048-1084517	14N-28B	--	do.	Qal	6,300	3	11-05-54	14.0	57	--	S	do.	--
107	do.	355038-1090055	18A-35	--	Head of canyon	Jw	7,080	4	11-09-54	4.5	40	274	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA. Not developed.

Table 18.--Physical characteristics of springs in McKinley County--Continued

Number in figure 20	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
108	Navajo Reservation	355411-1082309	15A-9	--	Small valley	Kmf	6,140	2R	02-10-55	0.5	33	179	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA. Collection gallery.
109	do.	355448-1084357	14N-48	--	do.	Kmf, Qt(?)	7,650	0.3R	11-04-54	11.0	52	--	S	Davis and others, 1963	--
110	do.	355711-1084410	14N-8A	--	Top of mesa	do.	7,480	0.5R	11-04-54	7.0	45	--	D	Davis and others, 1963; Kister and Hatchett, 1963	CA.
								--	05-09-55	--	--	4,420	--	--	--
111	do.	355550-1084934	14N-15	--	Canyon bottom	Tc	8,280	6M	11-04-54	11.0	52	--	D,S	Davis and others, 1963	--
112	do.	355522-1084950	14N-16	--	Side of cliff	do.	8,340	--	03-25-53	--	--	223	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA. Collection gallery.
								0.5	11-03-54	8.5	47	--	--	--	--
113	do.	355506-1084924	14N-24	--	Canyon bottom	do.	8,250	--	03-25-53	--	--	224	D,S	Davis and others, 1963	--
								160M	11-04-54	6.5	44	--	--	--	--
114	do.	355445-1084905	14N-25 Pine Spring	--	Hillside	do.	8,240	--	03-25-53	11.0	52	279	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA.
								0.3	11-04-54	--	--	--	--	--	--
115	do.	355443-1084858	14N-25A	--	do.	do.	8,220	0.3	11-04-54	11.0	52	--	S	Davis and others, 1963	--

Table 18.--Physical characteristics of springs in McKinley County--Concluded

Number in figure 20	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (micro-siemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
116	Navajo Reservation	355451-1084918	14N-25B	--	--	Tc	8,200	0.3	11-04-54	11.0	52	--	S	Davis and others, 1963	--
117	do.	355627-1085209	14N-14	--	Shallow canyon	do.	8,020	2	11-03-54	8.5	47	--	D,S	do.	Collection gallery.
118	do.	355545-1085221	14N-17	--	Bed of wash	do.	7,750	Dry	11-03-54	--	--	--	S	do.	Fenced-in spring.
119	do.	355511-1085228	14N-18	--	do.	do.	7,800	2	11-03-54	9.0	48	--	D,S	do.	--
120	do.	355432-1085224	14N-23	--	Canyon bottom	do.	7,850	3	11-04-54	9.0	48	--	D,S	do.	--
121	do.	355435-1085234	14N-23A	--	Canyon bottom	do.	7,850	0.3M	11-04-54	11.5	53	--	D	do.	Collection well.
122	do.	355834-1084608	14N-4	--	Bed of wash	Qt	7,840	5	11-04-54	12.0	54	--	S	do.	--
123	do.	355811-1084517	14N-6	--	Small valley	do.	7,630	30	11-04-54	9.5	49	493	D,S,I	Davis and others, 1963; Kister and Hatchett, 1963	CA.



EXPLANATION

- • SPRING WITH CHEMISTRY
- Δ SPRING WITHOUT CHEMISTRY
- 2 SPRING NUMBER REFERS TO TABLE 19

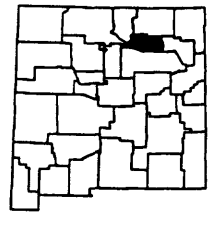


Figure 21.--Location of inventoried springs in Mora County.

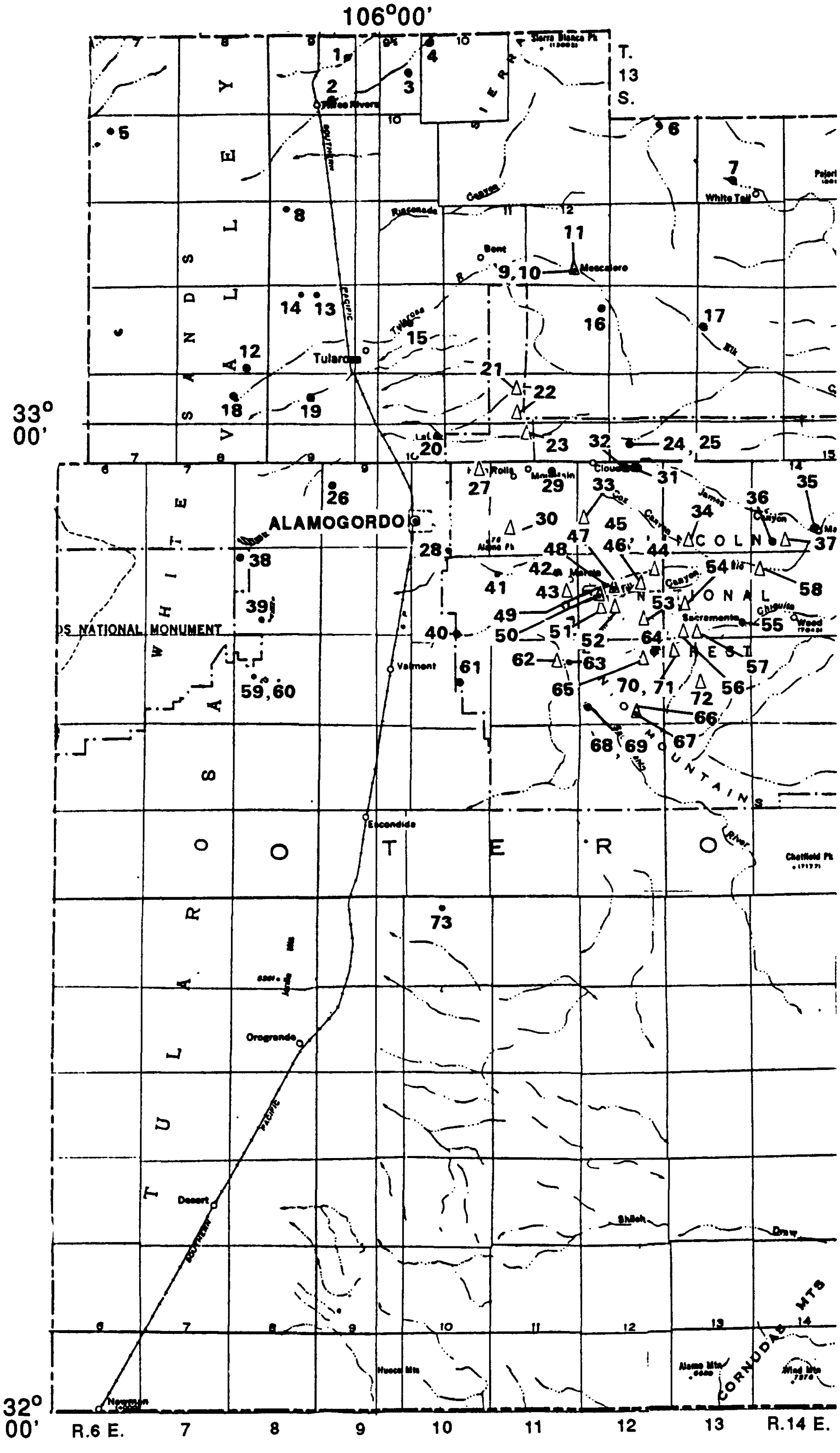
Table 19.--Physical characteristics of springs in Mora County

Number in figure 21	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
1	Mora Grant	355213-1052036	--	--	Valley floor	Qal	7,340	--	--	--	--	360	--	Mercer and Lappala, 1972	--
2	do.	354900-1045525	--	--	Base of cliff	Kd	6,360	--	07-30-69	--	--	520	--	do.	CA. Spring O, appendix B; spring Q, appendix H.
3	do.	355729-1052337	--	--	Valley floor	Qal	7,805	1	--	--	--	105	--	do.	--
4	do.	355648-1052243	--	--	do.	do.	7,615	--	11-27-68	4.0	39	249	--	do.	CA. Spring C, appendixes B and H; specific-conductance value incorrectly reported in appendix B.
5	do.	355527-1052029	--	--	Edge of valley	do.	7,400	1-2	--	--	--	100	--	do.	--
6	do.	355353-1052022	--	--	Arroyo	do.	7,315	--	--	--	--	--	--	do.	--
7	do.	355302-1051937	--	--	do.	do.	7,245	--	--	--	--	--	--	do.	--
8	do.	355330-1052014	--	--	Edge of valley	P	7,140	220	--	--	--	460	--	do.	--
9	do.	355507-1050210	--	Fort Union Ranch	Wolf Creek	--	6,770	--	07-25-56	--	--	566	--	*	CA. Spring feeds Wolf Creek.
10	do.	355421-1050113	--	do.	Arroyo	Qal, Jm	6,725	0.5	--	--	--	550	--	Mercer and Lappala, 1972	--

Table 19.--Physical characteristics of springs in Mora County--Concluded

Number in figure 21	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
11	Mora Grant	355358-1050108	--	Fort Union Ranch	Valley	QTb, Jm	6,715	6	07-25-56	--	--	465	D,S	*	CA. Spring well dug into seep area; ½ mile southwest of Fort Union.
12	do.	355602-1050432	Higgins Canyon Spring	--	Canyon	--	--	0.5	--	--	--	--	--	Mercer and Lappala, 1972	--
13	do.	355536-1050259	--	Andrew Marshall, Jr.	Base of cliff	Kd(?)	6,850	4.0	07-25-56	--	--	436	D,S	*	CA. Two miles northwest of Fort Union.
14	21N.21E.20.213	350226-1044342	Santa Clara Springs	Village of Wagon Mound and Clyde Berlier	Hillslope	Qal	6,400	--	03-20-63	13.5	56	477	P	Dinwiddie, 1964	CA. TA. Public supply for Wagon Mound.
15	Mora Grant	360906-1052447	--	--	Edge of valley fill	IP	9,560	26.0	--	--	--	400	--	Mercer and Lapalla, 1972	--
16	do.	361136-1052102	--	--	Valley side	P	8,640	15.0	--	--	--	580	--	do.	--
17	do.	360846-1051516	--	--	Pediment	pЄ	7,750	20.0	--	--	--	280	--	do.	--

(PAGE 126 FOLLOWS)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Cloudcroft
White Tail
Valmont
Escondida
Orogrande
Desert
Newman
Shiloh
Draw
Hueco Mts
Alamo Mtn
Wind Mtn
Chatfield Pk
Sierra Blanca Pk
Sacramento
Weed
Canyon
River
CORNUDAS MTS
SOUTHERN
PACIFIC
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WHITE SANDS
LINCOLN NATIONAL FOREST
SACRAMENTO MOUNTAINS
SIERRA
VALLEY
WHITE SANDS NATIONAL MONUMENT

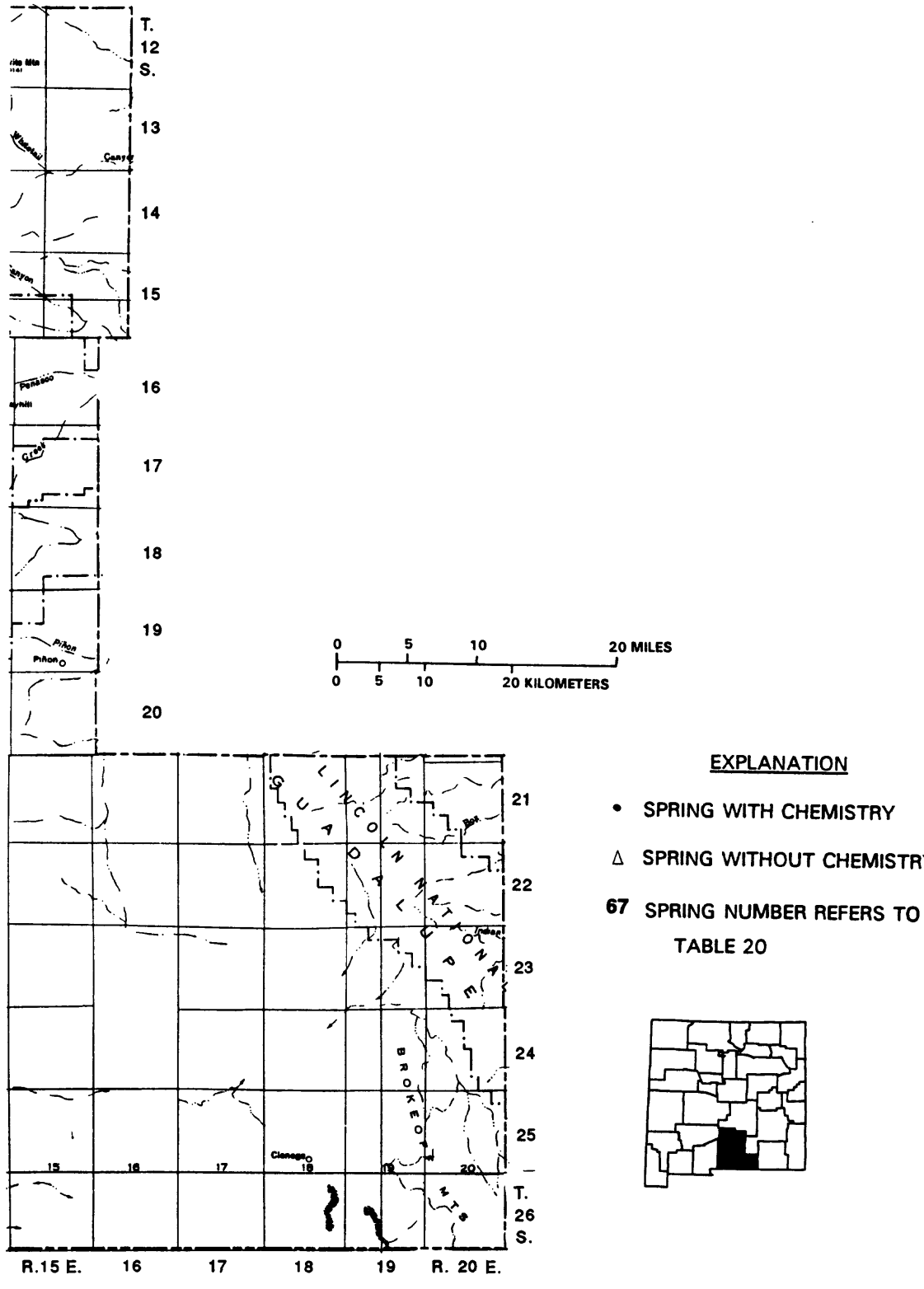


Figure 22.--Location of inventoried springs in Otero County.

Table 20.--Physical characteristics of springs in Otero County

Number in figure 22	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
1	11S.9E.12.440	330222-1060145	--	T.C. Ryan	Alluvial fan	Qal	--	2-3	02-29-56	15.0	59	1,120	S	*	CA. Seeps from creek gravels.
2	11S.9E.35.100	331926-1060330	Falls Ranch Spring	--	Three Rivers drainage	K	4,700	--	1911	--	--	--	--	McLean, 1970	CAR.
3	11S.9½E.23.311	332058-1055900	--	T.F. Ryan	Constricted alluvial fan	--	--	450	11-06-57	--	--	1,720	--	*	CA.
4	11S.10E.6.231	332308-1055630	--	do.	do.	Qal	5,520	2-3	02-29-56	16.5	62	1,420	S	*	CA. Seep.
5	12S.7E.8.422	331715-1061833	Malpais Spring	White Sands	Swale, down-gradient of lava beds	Qb	4,125	--	1911	19.0	66	--	--	McLean, 1970	CAR.
								--	08-06-57	--	--	6,170	--	do.	CAR.
								--	04-24-62	--	--	6,190	--	do.	CA.
								220	08-14-69	--	--	--	--	do.	--
6	12S.13E.3.121	331814-1054010	Carrizo Spring	Mescalero Apache	Base of hillslope	Psa	6,750	3	12-22-47	8.0	46	1,280	N	Mourant, 1963	CA.
7	12S.14E.28.432	331409-1053443	Whitetail Springs	do.	Tributary canyon to Whitetail Canyon	Psl	7,670	1.5	09-29-60	13.0	55	839	D,S	*	CA.
8	13S.9E.5.411	331250-1060616	Chosa Spring	California Institute of Technology	Arroyo at toe of alluvial fan	Qal	4,300	--	1911	--	--	--	--	McLean, 1970; Garza and McLean, 1977	CAR.
								5	03-25-69	18.0	64	2,520	--	do.	--
9	13S.12E.27.210	331140-1054548	North Spring	Town of Mescalero	North fork, Tularosa Canyon	Py	6,650	--	10-18-60	13.0	55	1,060	--	Garza and McLean, 1977	CA. Reported as 13S.12E.27.213.

Table 20.--Physical characteristics of springs in Otero County--Continued

Number in figure 22	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
10	13S.12E.27.400	--	Sulphur Spring	--	Hillside	--	6,900	--	1911	--	--	--	--	McLean, 1970	CAR.
11	13S.12E.27.411	--	Church Spring	U.S. Fish and Wildlife Service	Next to road cut	Py	6,600	550	11- -71	11.0	52	1,000	--	*	Fracture control on spring flow; used by fish hatchery in Mescalero; road is settling over buried gathering gallery; other small springs in area.
12	14S.8E.35.144	330146-1060940	Barrel Spring	Alamogordo Bombing Range	Bolson at lowermost toe of bajada	Qal	4,120	50	06-21-57	--	--	1,580	N	McLean, 1970	CA. Reported as 14S.8E.35.233; fault control on spring flow; sometimes referred to as Tula Spring.
								25	03-26-69	16.0	61	2,220	N	do.	--
								--	09-23-80	--	--	264	--	*	--
13	14S.9E.3.333	--	Lomitas Spring	--	Bajada	do.	4,320	--	1911	--	--	--	--	McLean, 1970; Garza and McLean, 1977	CAR.
								5	04-18-69	--	--	--	--	do.	--
14	14S.9E.4.444	330719-1060457	--	--	do.	do.	4,300	--	03-25-69	--	--	2,550	--	*	CA. TA.
15	14S.10E.15.300	330555-1055805	--	Village of Tularosa	Tularosa Canyon	--	--	--	10-12-61	20.5	69	1,490	--	Dinwiddie, 1963	CA.
16	14S.12E.12.221	330705-1054333	Head Spring	Mescalero Apache	Bottom of South Fork, Tularosa Canyon	Psa	7,040	200	10-04-60	11.0	52	883	D,S,I	*	CA. Supplied fish hatchery at Mescalero by pipeline in 1971.

Table 20.--Physical characteristics of springs in Otero County--Continued

Number in figure 22	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
17	14S.14E.18.312	330548-1053713	Elk Springs	Mescalero Apache	North wall, Elk Canyon	Psa	7,595	4	10-09-60	10.0	50	711	S,D	*	CA.
18	15S.8E.10.400	--	--	Alamogordo Bombing Range	Bolson	Qal	--	--	1911	--	--	--	--	McLean, 1970	CAR.
19	15S.9E.9.422	--	Mesquite Springs	--	Arroyo in bajada	do.	4,240	--	1911	--	--	--	--	McLean, 1970; Garza and McLean, 1977	CAR.
20	15S.10E.25.200	325858-1055538	--	City of Alamogordo	Canyon mouth	Py(?)	--	--	10-11-61	11.5	53	1,840	P	Dinwiddie, 1963	CA. Collection point of water flow in aqueduct; flow represents composite of a number of of springs and collection galleries in Fresnal Canyon; public water supply for Alamogordo.
21	15S.11E.11.143	--	--	--	Laborcita Canyon	--	6,400	--	--	--	--	--	--	Garza and McLean, 1977	--
22	15S.11E.24.124	--	Maruchi Springs	--	Maruchi Canyon	--	6,650	--	--	--	--	--	--	do.	--
23	15S.11E.25.200	--	La Luz Springs	--	La Luz Canyon	--	6,900	--	--	--	--	--	--	do.	--
24	15S.13E.29.144	325858-1054158	Silver Spring	Lincoln National Forest	Canyon confluence	Py(?)	8,380	3-5	03-20-56	--	--	590	--	Hood, 1960b	CA.
25	15S.13E.29.143	325855-1054155	--	do.	do.	Py	8,300	1-2	03-29-56	--	--	590	S	do.	CA.

Table 20.--Physical characteristics of springs in Otero County--Continued

Number in figure 22	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
26	16S.9E.7.100	--	--	--	Edge of White Sands	Qal	--	--	1911	--	--	--	--	McLean, 1970	CAR.
27	16S.10E.1.100	--	Fresnal Canyon Springs	Lincoln National Forest	Canyon	Qal?	--	--	--	--	--	--	--	Garza and McLean, 1977	--
28	16S.10E.33.400	325147-1055508	--	City of Alamogordo	Canyon mouth	Py?	--	--	10-11-61	14.0	57	785	P	Dinwiddie, 1963	CA. Collection point of water flow in aqueduct; flow represents composite of springs along Alamo and Caballero Canyons.
29	16S.11E.2.000	--	Wooten Spring	Lincoln National Forest	--	--	--	--	1911	--	--	--	--	McLean, 1970	CAR.
30	16S.11E.28.000	--	--	do.	--	--	--	--	--	--	--	--	--	Garza and McLean, 1977	--
31	16S.12E.2.231	325709-1054105	--	do.	Young Canyon	--	8,300	150	08-07-57	--	--	793	I	*	CA.
32	16S.12E.3.144	325707-1054220	--	Village of Cloudcroft	Pumphouse Canyon	Py(?)	8,400	60R	03-29-56	6.5	44	622	P	*	CA.
						Qal	--	60	06-03-77	--	--	500	--	Gross and others, 1980	CAR.
33	16S.12E.19.244	--	--	Lincoln National Forest	Russia Canyon bottom	do.	8,825	7	05-26-77	6.0	43	425	--	do.	Headwater spring of Russia Canyon.
34	16S.13E.32.321	--	Goat Springs	do.	Curtis Canyon bottom	do.	7,450	15B	06-02-77	5.0	41	560	--	do.	--

Table 20.--Physical characteristics of springs in Otero County--Continued

Number in figure 22	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
35	16S.14E.26.343	--	Posey Spring	Lincoln National Forest	Peñasco Valley bottom	Qal, Py	6,520	1,000	06-03-77	11.0	52	760	--	Gross and others, 1980	CAR. Spring forms pond in Peñasco Valley.
36	16S.14E.31.113	--	Mikison Spring	do.	Mikison Canyon wall	Qal	7,500	9B	06-03-77	4.5	40	470	--	do.	CAR. Spring developed by U.S. Forest Service.
37	16S.14E.32.444	--	Lightning Springs	do.	North wall of Curtis Canyon	Qal, Psr	7,050	4	06-03-77	8.0	46	560	S	do.	Composite measurements for two springs; spring developed by U.S. Forest Service.
38	17S.8E.6.220	--	Salt Spring	White Sands National Monument	Depression adjacent to sand body	Qal	4,045	--	1911	--	--	--	--	Hood, 1958; McLean, 1970	CAR.
39	17S.8E.28.312	--	Herd Spring	C.A. McNatt	Slope of knoll in bolson	--	4,050	--	1911	--	--	--	N	Hood, 1958	CAR. Called Black Spring by McLean, 1970, and Garza and McLean, 1977.
40	17S.10E.33.234	324657-1055458	--	Don Taylor	Near mouth of San Andreas Canyon	M	4,650	--	03-29-54	--	--	1,280	D,S	do.	CA. Water piped to ranch house.
41	17S.11E.7.200	325046-1055120	Alamo Canyon Springs	Lincoln National Forest	Alamo Canyon bottom	Qal	6,050	--	01-05-43	--	--	807	--	do.	CA.
								--	10-05-50	--	--	778	--	do.	CA.
								--	05-01-53	--	--	818	--	do.	CA. Developed springs supplying Alamogordo.
								472	1966	--	--	--	P	Garza and McLean, 1977	--

Table 20.--Physical characteristics of springs in Otero County--Continued

Number in figure 22	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
42	17S.11E.11.230	--	--	Lincoln National Forest	Rio Peñasco Canyon	Qal, Py	7,950	147.5PS	05-26-77	5.0	41	475	--	Gross and others, 1980	CAR. Headwater spring of the Rio Peñasco; issues from a large marshy area.
43	17S.11E.13.432	--	--	do.	do.	Py	--	15	05-25-77	0.0	32	450	--	do.	--
44	17S.12E.12.443	--	--	do.	North wall, Rio Peñasco Canyon	do.	8,250	63.2PS	05-25-77	1.0	34	500	--	do.	--
45	17S.12E.14.314	--	--	do.	South wall, Wills Canyon	do.	8,200	10	05-24-77	3.0	37	460	--	do.	--
46	17S.12E.14.422	--	--	do.	North wall, Wills Canyon	Psg	8,175	0.5	05-24-77	--	--	490	--	do.	--
47	17S.12E.16.122	--	--	do.	South wall, Rio Peñasco Canyon	Py	8,175	5	05-24-77	1.0	34	470	--	do.	--
48	17S.12E.16.431	--	--	do.	North wall, Wills Canyon	Psr	8,700	2	05-24-77	1.0	34	455	--	do.	CAR.
49	17S.12E.17.121	--	--	do.	Rio Peñasco Canyon	Qcl	8,250	25	05-25-77	0.0	32	470	--	do.	Four springs issuing from a marshy area in colluvium were combined for these measurements; one spring issues from a circular orifice in colluvium.
50	17S.12E.17.144	--	Bluff Springs	do.	South wall, Rio Peñasco Canyon	Py	8,225	175PS	05-24-77	0.0	32	490	--	do.	CAR. Two springs (10 yards apart) were combined for these measurements.

Table 20.--Physical characteristics of springs in Otero County--Continued

Number in figure 22	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
51	17S.12E.20.444	--	--	Lincoln National Forest	Wills Canyon	Qal	8,475	93.6PS	05-24-77	0.0	32	470	--	Gross and others, 1980	--
52	17S.12E.21.331	--	--	do.	do.	Py	8,525	12.0	05-24-77	0.0	32	500	--	do.	--
53	17S.12E.26.223	--	--	do.	Hay Canyon	Qc1	8,525	9.5B	05-27-77	1.0	34	540	--	do.	Posted as "Masterson Springs" but ½ mile downstream from "Masterson Springs" on topographic map.
54	17S.13E.20.314	--	--	do.	do.	Py	8,025	16B	05-27-77	2.0	36	520	--	do.	At least two springs contribute to the flow.
55	17S.13E.25.441	--	--	do.	North wall, Aqua Chiquita Canyon	do.	7,400	15	05-27-77	5.0	41	510	--	do.	CAR. Two springs combined for these measurements.
56	17S.13E.31.122	--	--	do.	Telephone Canyon	Qal	8,100	2-3	05-27-77	2.0	36	560	--	do.	Two springs combined for these measurements; both supply a small stock and trout pond.
57	17S.13E.32.144	--	Cride-bring Spring	do.	Junction of Spring and Telephone Canyons	do.	7,850	3-4	05-27-77	5.0	41	480	--	do.	--
58	17S.14E.7.243	--	Weems Spring	do.	Bear Creek	Py	6,950	1B	05-26-77	--	--	525	--	do.	Spring developed.
								2.4B	08-18-77	14.5	58	--	--	--	--

Table 20.--Physical characteristics of springs in Otero County--Continued

Number in figure 22	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
59	18S.8E.17.412	324450-1060830	Harrington Spring	G.B. Oliver	Playa	--	4,020	15	04-08-54	27.0	81	11,600	S	Hood, 1958	CA.
60	18S.8E.17.411	--	Salt Spring	--	do.	Qal	4,045	--	1911	--	--	--	--	McLean, 1970	CAR.
61	18S.10E.15.113	324455-1055433	Dog Canyon Spring	Lincoln National Forest	Canyon wall at mouth of Dog Canyon	--	--	--	04-07-54	19.0	66	886	N	Hood, 1958	CA.
62	18S.11E.11.422	--	--	Southern Pacific Railroad	Sacramento Canyon	Psa	8,440	200	12-04-56	9.5	49	--	P,S,D	Mourant, 1957	Water piped to Orogrande.
63	18S.11E.12.313	324515-1054645	--	do.	Junction of Thousand Mile and Sacramento Canyons	--	8,430	450	10-23-56	13.5	56	542	P	*	CA.
64	18S.12E.1.331	--	Boy Scout Camp Spring	Lincoln National Forest	Potato Canyon	Py	8,475	90B	05-27-77	2.0	36	450	P	Gross and others, 1980	CAR. Spring supplies Boy Scout Camp.
65	18S.12E.11.122	--	--	do.	Cienaga near head of Potato Canyon	Qal	8,650	2.6B	05-27-77	1.0	34	480	--	do.	--
66	18S.12E.26.423	--	Sand Springs	do.	Aqua Chiquita Canyon	Psg	8,550	38PS	05-27-77	2.0	36	530	--	do.	--

Table 20.--Physical characteristics of springs in Otero County--Concluded

Number in figure 22	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
67	18S.12E.26.411	--	Barrel Springs	Lincoln National Forest	Aqua Chiquita Canyon	Psg	8,570	295PS	05-27-77	2.0	36	550	--	Gross and others, 1980	CAR.
								450PS	08-18-77	6.5	44	480	--	do.	Flow slightly higher than the capacity of the Parshall flume.
68	18S.12E.30.141	324258-1054530	--	Southern Pacific Railroad	Sacramento Canyon	Psa	7,870	23	12-06-56	9.5	49	627	N	Mourant, 1957	CA. Spring seeps into cienaga, then seeps underground.
69	18S.12E.30.417	324248-1054503	--	do.	do.	--	7,810	12	12-05-56	--	--	680	P	do.	CA. Water piped to Orogrande.
70	18S.13E.6.422	--	--	Lincoln National Forest	North wall, Potato Canyon	Py	8,100	5	05-27-77	2.0	36	505	--	Gross and others, 1980	Three springs combined for these measurements.
71	18S.13E.6.434	--	--	do.	Pepper Canyon	do.	8,250	9	05-27-77	2.0	36	510	--	do.	Two springs combined for these measurements.
72	18S.13E.21.221	--	Jeffers Spring	do.	Perk Canyon	Qcl	7,977	33.4PS	05-27-77	3.0	38	600	--	do.	--
73	21S.11E.4.324	323020-1054918	--	U.S. Army	Hillside	Psa	--	--	04-25-57	18.0	64	900	--	*	CA.

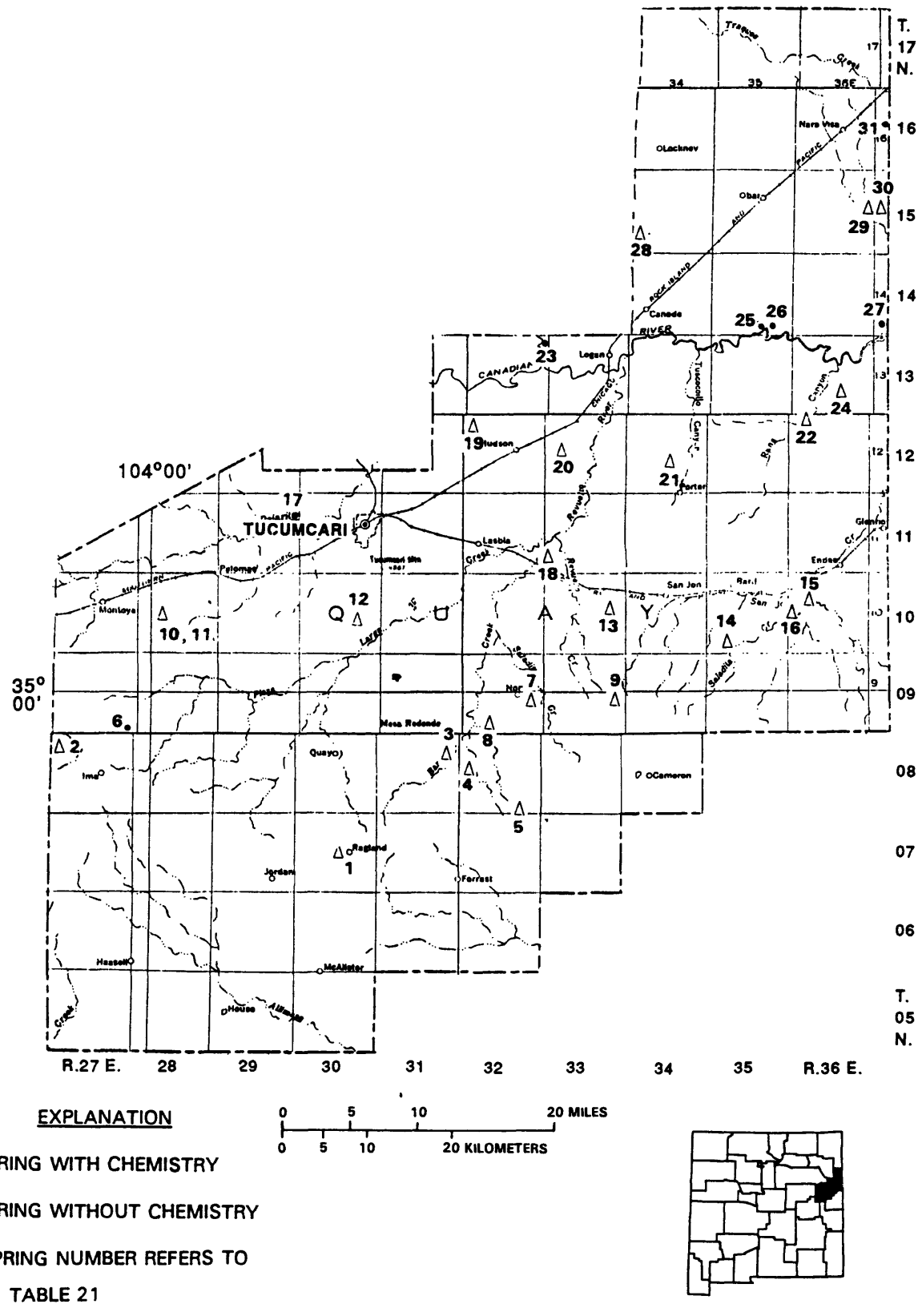


Figure 23.--Location of inventoried springs in Quay County.

Table 21.--Physical characteristics of springs in Quay County

Number in figure 23	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
1	7N.30E.15.432	--	--	--	Below cliff in gully	To	4,720	--	08-25-53	--	--	--	N	Berkstresser and Mourant, 1966	Seep. Reported good quality and to have supplied 25 families between 1910 and 1930.
2	8N.27E.6.430	--	--	H.G. Johnson	Side of cliff	Je	5,100	2	11-02-55	--	--	--	S	do.	Perched water, piped to tank.
3	8N.31E.12.320	--	--	--	Barranca Creek	Qal	4,220	2	04-21-55	--	--	--	--	do.	--
4	8N.32E.18.223	--	--	--	Stream channel	do.	4,220	5	04-16-55	--	--	--	S	do.	--
5	8N.32E.35.114	--	--	Elder Dennis	do.	--	4,480	5	04-02-55	--	--	--	N	do.	Spring at fault contact of Cretaceous and Triassic rocks.
6	9N.27E.36.244	345746-1040114	Louisiana Spring	Mr. Hortenstein	Side of cliff	--	5,185	2	10-27-53	13.0	55	528	S	do.	CA.
7	9N.32E.24.322	--	--	Mrs. Hut Wallace	Apache Creek	Qal	4,275	1	04-08-55	14.5	58	--	S	do.	--
8	9N.32E.33.333	--	--	S.S. Hodges	Stream channel	do.	4,190	25	04-16-55	--	--	--	S	do.	--
9	9N.33E.24.312	--	Hopkins Spring	Mrs. Pierce	do.	--	4,480	--	02-14-55	--	--	--	N	do.	Seep.
10	10N.28E.20.214	--	--	Elloy Hendren	Small valley	Trc	4,510	--	10-22-52	--	--	--	D	Trauger and Bushman, 1964	Spring pool dug out and rock cribbed; not flowing; equipped with plunger.
11	10N.28E.20.214a	--	--	do.	do.	do.	4,510	--	10-22-52	--	--	--	D	do.	Spring pool dug out and rock cribbed; not flowing.

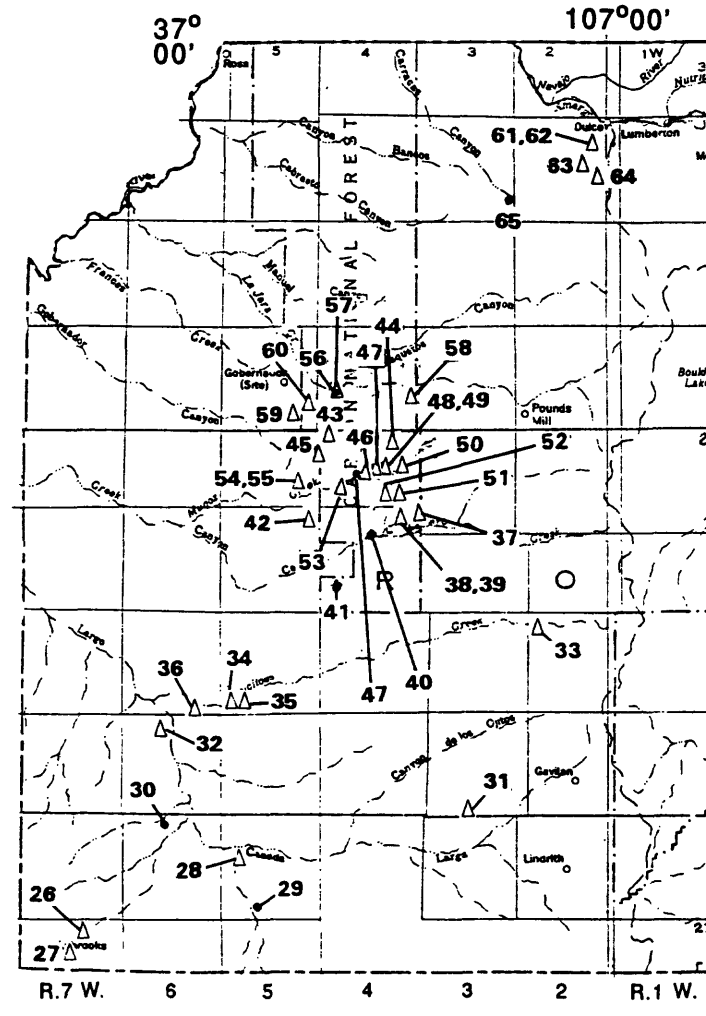
Table 21.--Physical characteristics of springs in Quay County--Continued

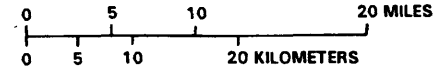
Number in figure 23	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (micro-siemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
12	10N.30E.23.243	--	--	Farley Stallard	Arroyo	Qal	4,100	--	09-18-52	--	--	--	S	Trauger and Bushman, 1964	Spring pool in creek bed. Reportedly has never dried up.
13	10N.33E.14.212	--	Starns Spring	Mr. Starns	Side of cliff	Qc	4,080	--	02-15-55	--	--	--	S	Berkstresser and Mourant, 1966	Seep.
14	10N.35E.32.422	--	Llano Spring	Chapman Brothers	Stream channel	Qal	3,995	3	12-01-54	--	--	--	S	do.	Piped to tank.
15	10N.36E.8.233	--	--	do.	Steep slope	Trc	3,920	3	11-29-54	--	--	--	D,S	do.	Piped to tank.
16	10N.36E.18.224	--	--	do.	Stream channel	do.	3,970	1	11-29-54	--	--	--	S	do.	--
17	11N.29E.12.433	351115-1034854	--	--	Pajarito Creek	Qal	4,025	3	02-21-52	--	--	1,180	N	Trauger and Bushman, 1964	CA. Seep spring.
18	11N.33E.30.412	--	--	Grady Oldham Estate	Steep slope	Trc	3,950	0.5	11-05-54	--	--	--	S	Berkstresser and Mourant, 1966	--
19	12N.32E.6.213	--	Cow Springs	Jacob Van Sweden	Cow Springs Draw	do.	3,895	10	03-08-55	--	--	--	D,S	do.	Piped to tank.
20	12N.33E.17.234	--	--	Joe Hettinger	Stream channel	do.	3,920	10	03-04-55	--	--	--	S	do.	--
21	12N.34E.22.241	--	--	Homer Koonsman	Gentle slope	do.	4,070	0.5	11-08-54	--	--	--	S	do.	--
22	12N.36E.5.231	--	Blue Hole	A.C. Ward	Rana Canyon	do.	3,675	100	11-06-54	--	--	--	S	do.	--
23	13N.32E.1.434	352232-1032930	--	--	Stream channel	Trs	3,780	0.25	03-09-57	--	--	611	S	do.	CA.
24	13N.36E.27.332	--	--	A.C. Ward	Side of cliff	do.	3,820	1	07-26-57	--	--	--	S	do.	Piped to tank.

Table 21.--Physical characteristics of springs in Quay County--Concluded

Number in figure 23	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature °C	Temperature °F	Specific conductance (microsiemens)	Use	Reference	Remarks
25	14N.35E.34.343	352322-1031250	--	Pyle Ranch	Stream channel	Trs	--	30	03-08-57	16.5	62	491	S	Berkstresser and Mourant, 1966	CA. Issues from joints in conglomerate lenses in sandstone.
26	14N.35E.35.311	352313-1031205	--	do.	do.	do.	--	150	03-08-57	18.0	64	463	S	do.	CA. Issues from joints in conglomerate lenses in sandstone.
27	14N.37E.31.213	352402-1030304	Coggin Spring	Ollie Mae Pyle	Gentle hillslope	do.	3,580	3	03-31-54	15.0	59	591	D,S	do.	CA. Reported as 14N.37E.31.211; concrete shed over spring.
28	15N.34E.30.134	--	Sand Springs	Gallegos Estate	do.	Qc, To	4,110	300R	06-03-54	--	--	--	S,I	do.	Reported as 15N.34E.30.310; numerous seeps and earth check dams; very dependable.
29	15N.36E.24.214	--	--	E.A. Stringfellow	East Fork, Nara Visa Arroyo	Qal	3,850	100	04-07-54	--	--	--	--	do.	Reported as 15N.36E.24.230.
30	15N.37E.19.134	--	--	do.	Stream channel	do.	3,840	50	04-07-54	--	--	--	S	do.	Seeps.
31	16N.37E.18.423	353637-1030243	--	R.C. Bell	Stream channel	To	4,130	< 1	05-22-53	--	--	452	S	do.	CA. Reported as 16N.37E.18.421; spring dug out and boxed. Smaller flow at end of summer.

(PAGE 142 FOLLOWS)





EXPLANATION

- • SPRING WITH CHEMISTRY
- Δ SPRING WITHOUT CHEMISTRY
- **29** SPRING NUMBER REFERS TO TABLE 22

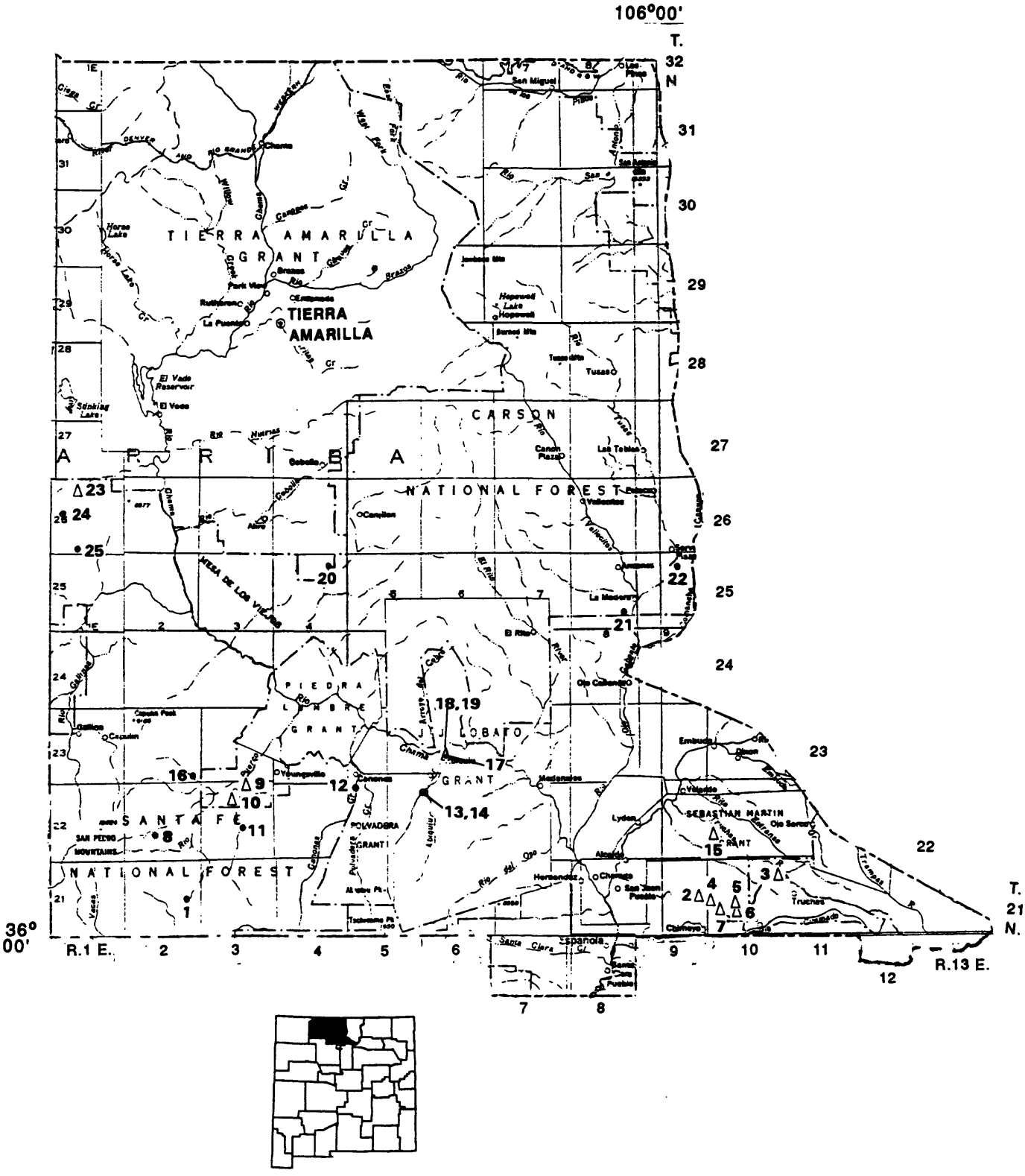


Figure 24.--Location of inventoried springs in Rio Arriba County.

Table 22.--Physical characteristics of springs in Rio Arriba County

Number in figure 24	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
1	21N.2E.14.433	360237-1064139	--	Santa Fe National Forest	Hillside	Pa	8,725	1.0	06-19-74	10.5	51	570F	--	Trainer, 1978	CA. RA. (U1 in Trainer).
								--	11-26-74	6.0	43	540	--	do.	
2	21N.9E.24.233	360222-1055610	--	--	Head of canyon	--	6,800	--	--	--	--	--	--	Borton, 1974	Perched.
3	21N.10E.12.244	360404-1054922	--	--	Stream bottom	--	7,605	--	11-10-72	--	--	--	S	do.	Spring in Rio de Truchas.
4	21N.10E.19.343	360257-1055520	--	--	Side of mesa	--	6,766	--	--	--	--	--	--	do.	Perched.
5	21N.10E.21.330	360200-1055326	--	--	do.	--	6,920	--	--	--	--	--	--	do.	Three springs in area. Perched.
6	21N.10E.28.123	360145-1055312	El Ojo Negro	--	Side of arroyo	--	6,820	--	--	--	--	--	--	do.	Perched.
7	21N.10E.30.213	360144-1055509	--	--	--	--	6,640	--	--	--	--	--	--	do.	Perched.
8	22N.2E.21.321	360723-1064408	--	--	Side of creek	--	8,360	--	09-11-53	--	--	412	--	Comp.	CA.
9	22N.3E.3.441	360950-1063611	--	Coyote Ranger Station	Hillside	Trc	6,980	--	--	--	--	610	--	Trainer, 1978	--
10	22N.3E.9.424	360901-1063702	--	do.	do.	Qal	6,860	--	04-07-75	10.0	50	530F	--	do.	--
11	22N.3E.22.111	360748-1063656	--	--	Side of creek	Trc	7,180	5	06-19-74	11.0	52	430	--	do.	CA.

Table 22.--Physical characteristics of springs in Rio Arriba County--Continued

Number in figure 24	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
12	Polvadera Grant	360949-1062633	--	Webster Waide	Base of mesa	QTsf	6,817	10	06-19-74	16.0	61	120F	--	Trainer, 1978	CA. TA. (V3 in Trainer.)
13	22N.5E.1.322P	360957-1062119	Agua Caliente Spring	--	--	Tsf	6,900	--	03-07-74	16.0	61	145	--	Comp.	CA. Town of Abiquiu Grant.
14	Town of Abiquiu Grant	360958-1062116	do.	--	--	do.	6,880	5	03-07-74	18.0	64	141	--	do.	CA.
15	22N.10E.30.122P	360700-1055512	--	--	Stream bottom	--	6,430	--	02-23-70	--	--	--	--	Borton, 1974	Sebastian Martin Grant. Perched; spring in Rio de Truchas.
16	23N.2E.36.111	361120-1064109	Salitral Spring	--	In creek	--	7,110	--	09-07-52	--	--	1,110	--	Comp.	CA.
17	Town of Abiquiu Grant	361200-1061944	--	--	Edge of mesa	QTsf	6,180	--	04-09-75	10.0	50	640	--	Trainer, 1978	CA.
18	do.	361204-1061916	--	--	Creek	do.	6,100	--	04-09-75	14.0	57	190	--	do.	--
19	do.	361224-1061850	--	--	--	do.	6,040	--	02-25-64	--	--	434	D	do.	--
20	25N.4E.2.434	362526-1062843	Dakota Spring	--	--	--	--	15	08-22-78	20.0	68	1,500	--	Comp.	CA.
21	25N.8E.26.414	362206-1060330	--	--	Side of streambank	--	6,600	--	09-05-52	36.0	97	1,740	--	do.	CA. Four springs in area drain into Cañada de la Cueva.
22	25N.9E.8.314	362438-1060054	Salt Lick Spring	--	End of meadow, Cañon de la Paloma	--	6,915	--	07-23-76	19.0	66	1,100	--	*	CA.

Table 22.--Physical characteristics of springs in Rio Arriba County--Continued

Number in figure 24	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
23	26N.1E.4.334	363030-1065035	--	--	Bottom of arroyo in wide valley	Qal	7,000	1-2	08-12-59	--	--	--	S	Baltz and West, 1967	Dug out.
24	26N.1E.17.330	362824-1065155	Mud Spring	USFS	Arroyo in narrow alluvial valley	do.	7,300	--	04-29-58	7.0	45	526	D,S	do.	CA.
25	26N.1E.33.314	362620-1065042	Chupadera Spring	do.	Narrow canyon	Toa	7,310	3	04-29-58	9.0	48	667	S	do.	CA. Seeps.
26	23N.7N.3.214	361534-1073329	--	--	--	Tsj	6,910	--	07-17-78	25.0	77	5,000	--	*	--
27	23N.7N.10.343	361406-1073351	Escrito Spring	--	--	Tn	7,350	--	07-10-78	14.5	58	385	--	*	--
28	24N.5W.17.00	361845-1072300	--	Harvey Hopson	--	Tsj	--	10	10-01-76	--	--	--	S	*	Developed in October 1976 by horizontal drilling.
29	24N.5W.32.122	361632-1072304	Otero Spring	BIA	--	do.	6,540	--	11-11-38	--	--	1,490	--	Baltz and West, 1967	CA.
								--	11-01-76	--	--	1,530	--	*	--
30	24N.6W.4.232	362040-1072103	H.C. Berry Spring	--	--	do.	6,500	--	05-11-77	--	--	353	--	*	CAR.
31	25N.3W.33.341	362059-1070910	G.W. Leeson Spring	--	Base of sandstone ledge	Tsr	6,960	<1R	09-25-59	--	--	--	D,S	Baltz and West, 1967	--
								--	06-13-78	18.5	65	2,500	--	*	--

Table 22.--Physical characteristics of springs in Rio Arriba County--Continued

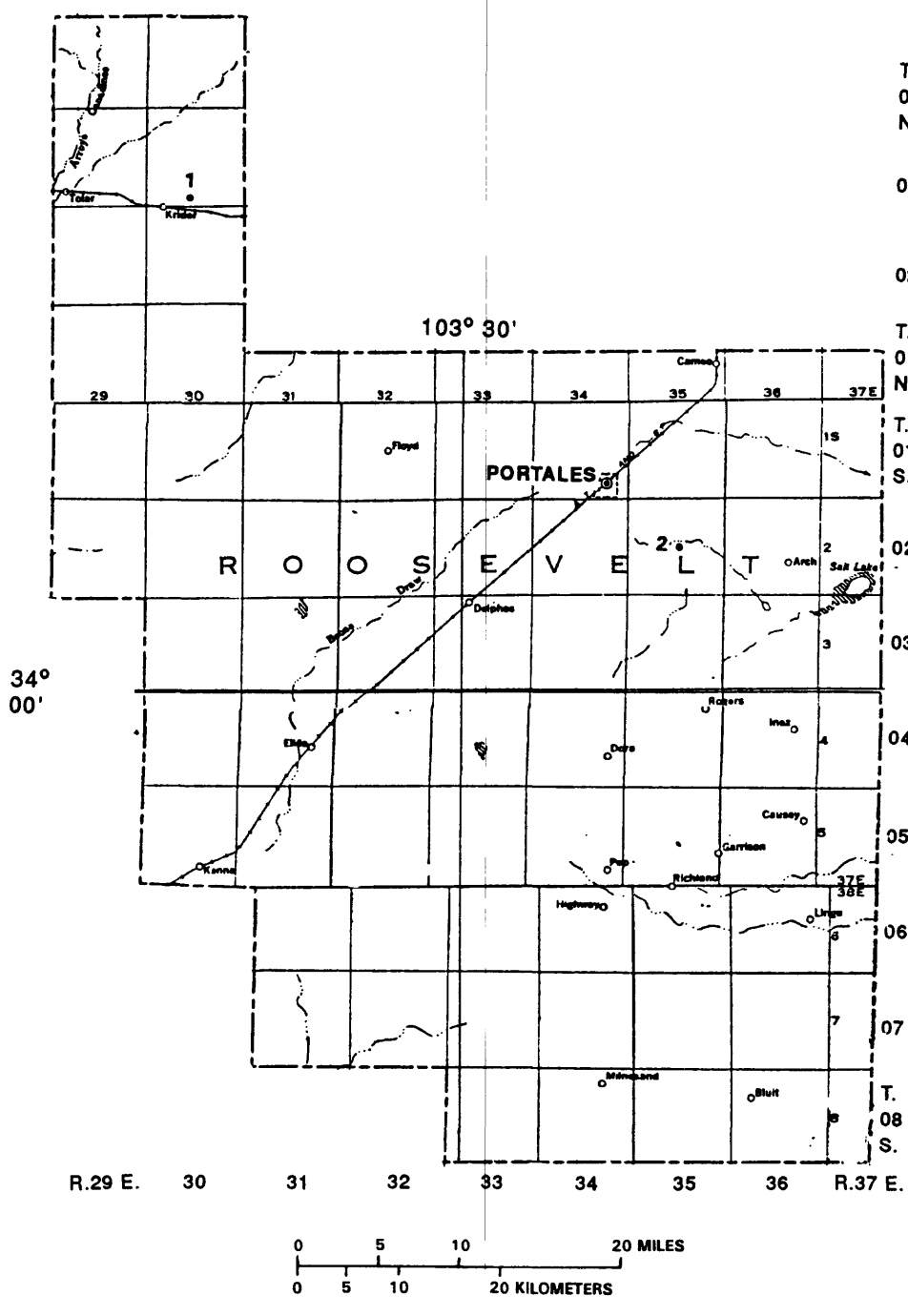
Number in figure 24	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
32	25N.6W.4.441	362527-1072755	Forbes Spring	--	In box canyon	Tsj	--	--	02-07-77	--	--	950	--	*	--
33	26N.2W.5.312	363047-1070438	Bassett Spring	W.J. Bassett	Bottom of arroyo	Qal	7,100	28R	10-13-59	--	--	--	S	Baltz and West, 1967	Dug out.
34	26N.5W.31.231	362642-1072357	--	--	--	Tsj	6,399	--	07-11-78	21.5	71	960	--	*	--
35	26N.5W.32.131	362645-1072324	Tawa Spring	--	--	do.	6,417	1	07-11-78	18.0	64	660	--	*	--
36	26N.6W.35.444	362614-1072542	Williams Ranch Spring	--	--	do.	6,348	--	07-11-78	13.0	55	775	--	*	--
37	27N.4W.1.222	363628-1071139	Piedra Blanca Spring	--	Stream channel	do.	6,960	0.2R	06-29-67	13.0	55	--	S	Mercer, 1967	Developed.
38	27N.4W.2.232	363617-1071258	Chosa Spring	USFS	do.	do.	7,095	0.1R	06-27-67	8.0	46	1,400	N	do.	Developed.
39	27N.4W.2.234	363612-1071259	Willow Spring	do.	do.	do.	7,050	0.1R	06-27-67	6.0	43	2,200	N	do.	Developed.
40	27N.4W.9.441	363504-1071500	Agua Bonita Spring	do.	--	do.	6,730	10M	08-15-61	9.5	49	1,530	S	do.	CA. Flowing two to three times lower than usual.
								8.6R	06-26-67	--	49	1,500	--	do.	Developed.
41	27N.4W.30.122	363305-1071730	Jaramillo Spring	--	--	do.	6,700	4	08-15-61	14.5	58	1,360	--	do.	CA. Flow at low ebb, "old time reliable spring."
42	27N.5W.1.224	363623-1071802	Tecolote Spring	--	Stream channel	do.	7,190	<0.1R	06-30-67	9.0	48	850	S	do.	Spring flow has been dammed.

Table 22.--Physical characteristics of springs in Rio Arriba County--Continued

Number in figure 24	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
43	28N.4W.9.342	364020-1071523	Cedar Spring	USFS	Hillside	Tsj	7,350	<0.1R	06-21-67	8.5	47	470	S	Mercer, 1967	Partially developed.
44	28N.4W.14.113	364003-1071339	Arnold Spring	do.	Hillside	do.	7,200	<0.1R	06-23-67	8.5	47	950	N	do.	--
45	28N.4W.17.231	363932-1071632	Cave Spring	do.	do.	do.	7,410	<0.1R	06-21-67	9.0	48	370	S	do.	Partially developed.
46	28N.4W.21.444	363824-1071456	Gettem Spring	do.	Stream channel	do.	7,200	0.2R	06-28-67	--	44	1,400	S	do.	--
47	28N.4W.21.444a	363824-1071450	--	do.	do.	do.	7,200	<0.1R	06-28-67	6.5	43	--	N	do.	--
48	28N.4W.22.134	363848-1071434	Mud Spring	do.	do.	do.	7,210	--	06-27-67	11.0	52	--	S	do.	Called Hungry Spring by USFS.
49	28N.4W.22.241	363900-1071402	Horse Spring	do.	do.	do.	7,260	--	06-23-67	6.0	43	--	N	do.	Seep.
50	28N.4W.23.234	363853-1071302	Caesar Spring	do.	do.	Qal	7,130	0.6	06-23-67	--	--	1,950	S	do.	Developed.
51	28N.4W.26.312	363750-1071333	Horn Spring	do.	do.	Tsj	7,180	0.1R	06-27-67	9.0	48	2,300	N	do.	Called Aspen Spring by USFS.
52	28N.4W.27.444	363732-1071348	Aspen Spring	do.	do.	do.	7,135	0.1R	06-27-67	12.0	54	--	N	do.	Called Horn Spring by USFS. Seep.
53	28N.4W.29.221	363818-1071604	Munoz Spring	do.	Hillside	do.	7,080	0.5R	06-21-67	6.0	43	--	S	do.	--
54	28N.5W.25.142	363806-1071839	Arnold Ranch Spring	--	Valley flat	Tsj(?)	6,780	--	06-30-67	9.0	48	--	S	do.	Seep.

Table 22.--Physical characteristics of springs in Rio Arriba County--Concluded

Number in figure 24	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Altitude: Source	Altitude: (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
55	28N.5W.25.142a	363806-1071839	Arnold Ranch Spring	--	Valley flat	Tsj(?)	6,790	--	06-30-67	--	--	--	--	Mercer, 1967	Seep.
56	29N.4W.19.412	364238-1071724	Bubbling Spring	--	do.	Tsj	6,555	4R	08-15-61	13.0	55	1,250	S	* ; Comp.	CA. Developed;
								--	06-23-67	7.0	45	1,290	S	Mercer, 1967	usually twice as much flow.
57	29N.4W.19.421	364236-1071723	--	USFS	do.	do.	6,570	4R	06-23-67	7.0	45	900	N	do.	--
58	29N.4W.25.241	364154-1071157	Campo Spring	Arnold Ranch	Stream channel	do.	6,920	--	06-22-67	7.0	45	--	N	do.	Seep.
59	29N.5W.24.413	364232-1071827	Amarante Spring	do.	Hillside	do.	6,570	0.6M	06-23-67	6.5	44	815	N	do.	--
60	29N.5W.25.132	364157-1071850	Burro Spring	do.	do.	do.	6,580(?)	0.3	06-23-67	10.0	50	740	S	do.	Developed.
61	31N.2W.12.323	365438-1065950	--	--	Edge of valley flat	K1	6,870	--	--	--	--	--	--	Shomaker, 1968	No date.
62	31N.2W.12.331	365435-1070007	Gomez Spring	--	do.	do.	6,880	--	--	--	--	--	--	do.	No date.
63	31N.2W.14.441	365342-1070022	--	BIA	do.	--	6,860	24R	10- -67	--	--	--	--	do.	--
64	31N.2W.24.133	365308-1070007	Pucle Spring	Jicarilla Apache Tribe	--	--	6,999	--	04-01-55	--	--	755	D	do.	--
								--	10-19-67	--	--	800	D	do.	--
								5	11-13-74	--	--	--	D	*	--
65	31N.3W.25.421	365214-1070547	Puerto Spring	BIA	--	Tsj	7,560	--	01-26-72	--	--	790	--	*	CA.



EXPLANATION

• SPRING WITH CHEMISTRY

2 SPRING NUMBER REFERS TO TABLE 23

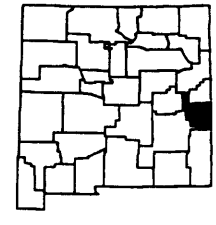


Figure 25.--Location of inventoried springs in Roosevelt County.

Table 23.--Physical characteristics of springs in Roosevelt County

Number in figure 25	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
1	3N.30E.33.400	342604-1034755	Spring #56	--	Arroyo	--	4,340	--	04-01-48	--	--	1,030	--	*	CA. Approximately ½ mile north of Highway 60.
2	2S.35E.15.133	340810-1031553	Portales Spring	--	do.	QTp	--	--	11-25-31	--	--	--	--	*	CA. TA. Southwest of Portales in vicinity of alkali lakes.

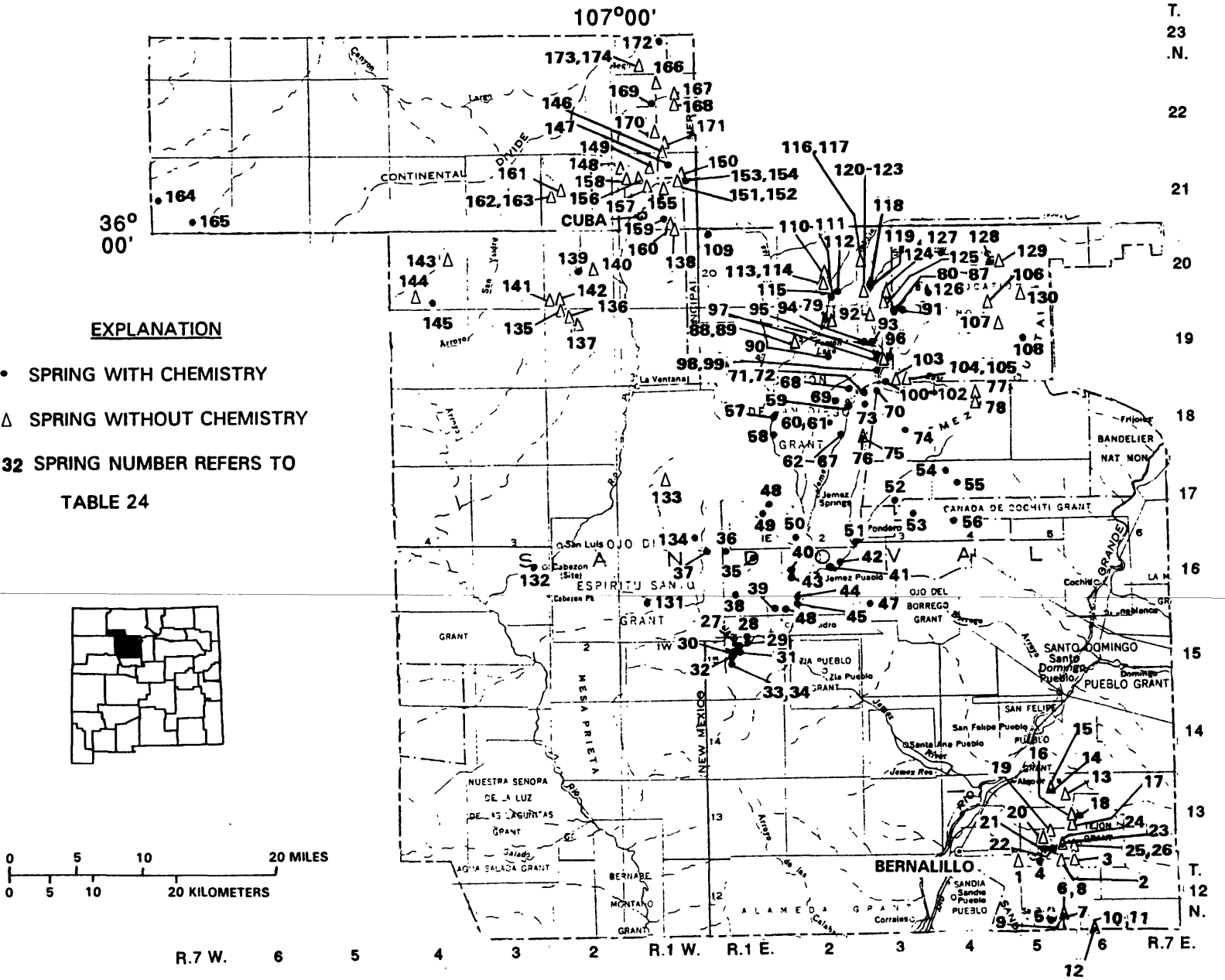


Figure 26.--Location of inventoried springs in Sandoval County.

Table 24.--Physical characteristics of springs in Sandoval County

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
1	12N.4E.1.234	351752-1062755	--	Cibola National Forest	Small valley between ridges	Trc	5,800	<0.5	08-08-62	--	--	--	N	*	Small amount of white precipitate.
2	12N.5E.4.120	351808-1062510	--	Placitas Community	Hillslope near Arroyo Sueda	IPm	6,150	--	--	--	--	--	I	*	San Antonio de las Huertas Grant; spring water used for gardens.
3	12N.5E.4.222	351813-1062435	--	L.D. Danfelser	Hillside near State Highway 44	Pa	6,300	NV	08-16-62	--	--	--	N	*	San Antonio de las Huertas Grant; reportedly flows from spring until late summer.
4	12N.5E.5.334	351728-1062620	Tunnel Spring	Cibola National Forest	Hillside	IPs	6,400	20	08-09-62	11.5	53	483	D?	*	CA. Fault controlled; formerly supplied fish hatchery.
5	12N.5E.33.141	351335-062513	Head Spring	Robert Cooper	Valley on hillslope	IPs, IPm	8,280	30-40	07-27-62	6.0	43	458	D, P	*	CA. Travertine deposits downstream; church campground.
6	12N.5E.33.214	351344-1062951	--	do.	Canyon near Ellis Ranch	do.	7,900	20	07-27-62	--	--	--	D	*	Abundant travertine in stream channel.
7	12N.5E.33.214b	351344-1062451	House Spring	do.	do.	do.	--	10-20	07-27-62	8.5	47	459	D	*	CA. Abundant travertine in stream channel.
8	12N.5E.33.214c	351344-1062451	--	do.	do.	IPs	--	5	07-27-62	--	--	--	--	*	Abundant travertine in stream channel.
9	12N.5E.33.434	351302-1062452	Capulin Spring	Cibola National Forest	Hillslope	IPm	8,780	--	--	--	--	--	P	*	Spring located at picnic ground.
10	12N.5E.36.323	351319-1062202	--	--	Bottom of Cañon Madera	Qal	--	--	--	--	--	--	S	*	San Pedro Grant.

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
11	12N.5E.36.334	351305-1062210	--	--	Bottom of Tecolote Canyon	Qal	--	NV	10-24-60	--	--	--	N	*	San Pedro Grant.
12	13N.4E.36.323	351834-1062820	--	Edna McKinnon	Channel	do.	--	<0.5	08-08-62	20.0	68	563	S	*	CA.
13	13N.5E.14.331	352103-1062321	--	--	Bottom of Arroyo de San Francisco	IPm	5,800	2-3	11-02-62	--	--	--	S, D	*	Piped to swimming pool.
14	13N.5E.15.241	352128-1062335	--	J.H. Stapleton	Hillslope	Pys	5,780	6M	11-02-62	23.0	73	590	P, I	*	CA. Irrigates orchard; travertine at spring.
15	13N.5E.15.242	352130-1062330	--	O.G. Schau	do.	Pys(?)	5,820	1	11-02-62	18.0	64	--	D	*	Several springs reported nearby.
16	13N.5E.22.224	352041-1062327	--	--	do.	IPm(?)	5,940	--	--	--	--	--	D, S	*	Spring located on fault intersection.
17	13N.5E.22.421	352025-1062335	--	R. Kirschner	Near jeep trail	IPm	5,980	3-5	11-02-62	--	--	--	D, S	*	Travertine at spring.
18	Town of Tejon Grant	352047-1062304	San Francisco Springs	--	Arroyo bottom	Pa	5,870	80	07-04-56	--	--	2,910	--	*	CA.
19	13N.5E.28.322	351932-1062502	--	--	Bed and banks of arroyo	QTs	5,800	100	08-14-62	15.6	60	--	S	*	Town of Tejon Grant; seeps in area.
20	13N.5E.32.123	351904-1062624	--	--	Near Arroyo del Ojo del Ormo	Qal	5,750	<0.5	08-14-62	--	--	--	S	*	San Antonio de las Huertas Grant.
21	13N.5E.32.332	351830-1062623	--	--	Arroyo	Jm, Qal	5,800	1-5	08-14-62	21.0	70	1,350	S	*	CA. San Antonio de las Huertas Grant.

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
22	13N.5E.32.421	351838-1062543	--	--	Arroyo	Qal	5,850	5	08-15-62	--	--	673	S	*	CA. San Antonio de las Huertas Grant.
23	13N.5E.33.342	351827-1062508	--	Placitas Community	Hillslope	IPm	6,150	--	08-16-62	14.5	58	356	P	*	CAR. San Antonio de las Huertas Grant; Placitas drinking water; low yield in in early summer.
								--	01-06-65	--	--	421	--	*	CA.
24	13N.5E.33.344	351820-1062505	--	do.	--	do.	6,250	--	--	--	--	--	P	*	San Antonio de las Huertas Grant; supplies about 100 families.
25	13N.5E.33.434	351820-1062448	Del Oso Spring	do.	--	do.	6,150	20	08-16-62	--	--	--	N	*	San Antonio de las Huertas Grant.
26	13N.5E.33.443	351820-0162438	--	F.M. Calkins	--	Pa	6,200	0-5	08-16-62	--	--	--	N	*	San Antonio de las Huertas Grant; reportedly dries up in summer.
27	15N.1E.9.414	353234-1065008	--	BLM	Along State Highway 44	Trc	5,520	2.0	09-15-24	30.0	86	--	N	*	CA.
								--	03-14-64	24.0	75	8,560	--	Trainer, 1978	CA. Tufa or travertine mounda; (A1, Trainer, 1978).
								--	05-22-75	15.0	59	12,000F	--	do.	CA.
28	15N.1E.10.141	353249-1064933	--	do.	do.	do.	5,500	--	09-15-24	20.0	68	--	--	*	CA.
								--	05-22-75	16.0	61	9,600	--	*	CA.

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
29	15N.1E.10.311	353238-1064949	--	BLM	Along State Highway 44	Trc	--	< 1	05-02-73	16.5	62	9,930	--	Trainer, 1978	CA. TA. CAR.
								--	01-25-74	14.5	59	9,590	--	do.	CA. TA.
								--	11-12-74	--	--	--	--	Comp.	CA. RA.
30	15N.1E.16.111	353213-1065049	--	do.	River-bank	--	5,530	--	12-20-74	25.0	77	11,200	--	Trainer, 1978	CA. TA. (A3, Trainer, 1978).
31	15N.1E.16.233	353152-1065049	--	do.	do.	Trc	5,740	--	10-18-74	18.0	64	20,000F	--	do.	CA. TA. Altitude questionable; (A4, Trainer, 1978).
32	15N.1E.16.313	353135-1065045	--	do.	Hilltop	--	5,810	--	12-20-74	11.0	52	12,900	--	do.	CA. TA. (A5, Trainer, 1978).
33	15N.1E.21.141	353058-1065046	--	--	Stream-bank	Trc	5,680	--	05-22-75	14.0	57	18,000	--	*	CA.
34	15N.1E.21.141	353104-1065036	--	--	Hilltop	do.	5,820	--	05-22-75	19.0	66	17,600	--	*	CA.
35	16N.1E.3.441	353832-1064904	--	--	Canyon	Pa	6,960	--	05-23-73	12.0	54	651	--	Trainer, 1978	CA. (D3, Trainer, 1978).
36	16N.1E.5.244	353849-1065057	Log Spring	--	Small Canyon	pЄ	7,180	--	05-23-73	15.5	60	487	--	do.	CA. (D4, Trainer, 1978).
37	16N.1E.6.121	353906-1065215	--	Pueblo of Zia	Hillside	Trc	6,320	--	10-02-73	26.0	79	960	--	do.	CA. Ojo del Espiritu Santo Grant; (C1, Trainer, 1978).
38	16N.1E.20.411	353606-1065120	--	Pueblo of Jemez	Arroyo bottom	IPm	6,060	--	09-14-24	21.0	70	--	N	do.	CA. (A6, Trainer, 1978).
39	16N.1E.25.244	353517-1064636	Blue-water Spring	do.	Canyon wall	Trc	5,640	2.0	09-05-73	15.5	60	2,440	--	do.	CA. (A7, Trainer, 1978).

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
40	16N.2E.7.423	353743-1064548	Owl Spring	Pueblo of Jemez	Tecolote Canyon bottom	IPm	5,780	30	05-01-53	--	--	1,220	--	Trainer, 1978	CA. (A8, Trainer, 1978).
								15	05-24-73	16.0	61	778	--	do.	CA.
								--	04-04-74	16.0	61	--	--	do.	CA.
41	16N.2E.10.424	353744-1064229	--	do.	Stream	Trc	5,680	--	02-20-58	--	--	1,620	N	* and Comp.	CA. (E1, Trainer, 1978).
								3.0	05-24-73	25.0	77	2,550	--	Trainer, 1978	CA.
42	16N.2E.11.234	353757-1064139	--	do.	Vallecito Creek bottom	do.	5,760	5.0	05-25-73	14.0	57	527	--	do.	CA. (E2, Trainer, 1978).
43	16N.2E.18.214	353750-1064554	Tunnel Spring	do.	Stream	Pa	5,760	1.0	05-24-73	19.0	66	1,070	N	do.	CA. (A9, Trainer, 1978).
44	16N.2E.20.332	353552-1064533	Salt Spring	do.	Riverbank near west side canal	Trc	5,535	--	05-24-73	14.5	58	6,420	N	do.	CA. RA. (A10, Trainer, 1978).
45	16N.2E.29.142	353528-1064511	Indian Spring	do.	Jemez River	Qal	5,490	2.0	08-30-62	35.0	95	5,680	--	Summers, 1976; Trainer, 1978	CA.
								--	08-30-73	23.0	73	5,694	--	Trainer, 1978	CA. TA. RA. (A11, Trainer, 1978).
								--	08-30-74	--	--	--	--	Comp.	CA. RA.
46	16N.2E.30.323	353510-1064635	--	do.	Canyon side	do.	5,575	<1	09-05-73	18.5	65	3,190	--	Trainer, 1978	CA. (A12, Trainer, 1978).
47	16N.3E.29.344	353454-1063847	Ojo Chamisa Spring	do.	Near head of Arroyo Chamisa	Tsf	6,140	--	06-08-73	--	--	367	--	do.	CA. (B7, Trainer, 1978).
48	17N.1E.13.322	354209-1064718	--	--	Stream	Pa	6,630	<1	08-31-73	15.0	59	700F	N	do.	CA. Cañon de San Diego Grant; (D1, Trainer, 1978).

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
49	17N.1E.23.223	354140-1064757	Crow Spring	--	Stream	Qal	6,825	<1	08-31-73	13.5	56	549	N	Trainer, 1978	CA. Cañon de San Diego Grant; (D2, Trainer, 1978).
50	17N.2E.29.311	354019-1064530	--	Jemez Valley School	Side of mesa	pЄ	6,015	8	08-21-73	18.5	65	984	N	do.	CAR. Cañon de San Diego Grant; (D6, Trainer, 1978).
51	17N.2E.36.433	353916-1064047	--	--	Vallecito Creek	Qal, Trc	5,960	2.0	06-06-73	17.5	64	571	N	do.	CA. Cañon de San Diego Grant; (E9, Trainer, 1978).
52	17N.3E.16.244	354213-1063726	--	Santa Fe National Forest	Stream bottom	Qv	6,870	5	08-28-73	12.5	54.5	--	--	Comp.	CA.
								--	10-02-73	15.0	59	240F	P	Trainer, 1978	CA. Supplies village and campground; reported as 17N.3E.15.131; (F2, Trainer, 1978).
53	17N.3E.25.113	354043-1063508	--	--	Hondo Canyon	do.	--	--	09-18-73	11.5	53	182	N	do.	CA. Cañada de Cochiti Grant; (F1, Trainer, 1978).
54	17N.4E.6.443	354329-1063324	--	Santa Fe National Forest	Guacamalla Canyon	Qc	8,240	5.0	09-18-73	15.0	59	179	S	do.	CA. (F3, Trainer, 1978).
55	17N.4E.8.444	354246-1063212	--	do.	Canyon	Qv	8,430	<1	08-28-73	10.0	50	194	N	do.	CA. (F4, Trainer, 1978).
56	17N.4E.29.133	354030-1063257	Bear Spring	do.	Near Bear Springs guard station	do.	7,420	5.0	08-28-73	12.5	54.5	161	S	do.	CA. (F5, Trainer, 1978).

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
57	18N.1E.13.234	354726-1064653	Butterfly Springs	Santa Fe National Forest	Small valley	Qr	7,070	50	11-30-73	12.0	54	383	N	Trainer, 1978	CA. Cañon de San Diego Grant; (G3, Trainer, 1978).
58	18N.1E.24.443	354610-1064645	--	do.	Side of canyon	do.	6,950	20	11-30-73	15.0	59	212	N	do.	CA. Cañon de San Diego Grant; (G4, Trainer, 1978).
59	18N.2E.12.340	354808-1064050	--	H.D. Russell	Canyon bottom	IPm	6,450	<1	06-21-73	16.0	61	1,330	N	do.	CA. Cañon de San Diego Grant; (H4, Trainer, 1978).
								--	09-05-74	18.0	64	--	--	Comp.	CA.
60	18N.2E.14.000	--	Soda Dam Springs	--	--	pЄ, IPm Pa	6,300-6,360	--	--	--	--	--	--	--	Numerous springs in area. Location of individual springs referred to in early literature is difficult to determine due to construction of a highway through springs area (Summers, 1976). Also see Trainer, 1978.
			do.	--	--	--	--	--	No date	21.0-40.5	70-105	--	--	Peale, 1886	CAR. RA. Lovering, 1956, reported numerous springs depositing radioactive calcareous tufa. Peale referred to this location as "Jemez Hot Springs Cupper group." Reagan, 1903, reported 22 springs on travertine ridge (dam).

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature °C	Temperature °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
60	18N.2E.14.000 (Continued)	354730-1064111	Soda Dam Springs West	--	--	--	--	--	10-11-12	40	104	--	O, N	Kelly and Anspach, 1913	CAR. Kelly and Anspach were unable to find more than one-half the number Reagan, 1903, reported on the travertine ridge when they had visited the region in 1912.
			do.	--	--	pЄ, IPm	--	--	08-21-24	40	104	--	--	Renick, 1931	CAR. Spring located along fault contact.
			do.	--	--	--	--	106	11-03-65	--	115	5,000F	--	Summers, 1976	CAR.
			do.	--	--	--	--	62	12-01-72	48	118	6,160	--	Trainer, 1974; Summers, 1976; Trainer, 1978	CAR. RA. Water used occasionally for bathing; "rotten egg" odor.
			do.	--	--	pЄ, IPm, Pa	6,300-6,360	--	11-29-73	45.0	7	7,000F	--	Trainer, 1978	CAR.
								--	12-02-74	46.5	116	--	--	Summers, 1976; Trainer, 1978	CAR. RAR. TAR. Analysis by New Mexico Bureau of Mines and Mineral Resources.
								--	07-15-75	46	115	5,780	--	Comp.	CA.
								--	08-07-75	50	122	5,760	--	Comp.	CA.

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
61	Cañon de San Diego Grant	354728-1064109	Soda Dam Springs East	--	--	pЄ, IPm, Pa	6,300-6,360	--	06-14-49	--	--	6,620	--	Summers, 1976	CAR.
								--	11-03-65	--	--	4,000F	--	do.	CAR. Bubbling pool.
								--	11-17-72	29.0	84	6,280	--	Trainer, 1978	"Rotten egg" odor; also see Summers, 1976.
								--	06-08-75	29.0	84	6,000	--	Comp.	CA. RA.
62	Cañon de San Diego Grant	--	Jemez Hot Springs	--	Canyon	--	--	--	--	34.5-76.0	94-168	--	O, N	Peale, 1886	CAR. More than 10 springs in area.
		--	do.	--	do.	--	--	--	--	76.0	168	--	--	Reagan, 1903	CAR. Reagan divided springs into two groups, Oteros (north) and Judt (south).
			Oteros Group		do.			--	--	48.5	119				
			Judt Group		do.			200	--					Stearns and others, 1937; Waring, 1965	18N.2E.23, projected; Stearns reported discharge and source as faulted, Permian red beds. Waring reported source as faulted Triassic Chinle Formation; see Summers, 1976, and Trainer, 1978, for additional information.

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (micro-siemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
62	Cañon de San Diego Grant (Continued)	354623-1064121	Jemez Hot Springs original spring	--	--	Qal	--	--	10-11-12	68.0	154	--	--	Kelly and Anspach, 1913	CAR. (Spring no. 2, Kelly and Anspach, 1913).
							--	--	08-01-47	73.0	163	3,700	--	Summers, 1976	CA. (Fig. 24, location 1, Summers, 1976).
							--	--	01-20-50	--	--	3,590	--	Comp.	CA.
							--	--	04-03-56	71.0	160	3,860	--	do.	CA. (Fig. 24, location 1, Summers, 1976).
							--	--	11-09-65	76.0	169	3,800	--	do.	CA. TA. (Fig. 24, location 1, Summers, 1976).
							6,193	--	12-02-72	69.0	156	4,000F	--	Trainer, 1978	CAR. (H15, Trainer, 1978).
							--	--	12-02-74	59.0	138	--	--	Summers, 1976; Trainer, 1978	RAR. TAR. (Fig. 24, location 1, Summers, 1976); CAR. (H15, Trainer, 1978).

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
63	Cañon de San Diego Grant	354621-1064124	Jemez Hot Springs	--	--	--	--	--	10-11-12	68.5	155	--	--	Kelly and Anspach, 1913	CAR. (Spring no. 1, Kelly and Anspach, 1913).
			Soda Spring	--	--	--	--	10	08-31-49	65.5	150	3,560	--	White and others, 1963; Summers, 1976	CA. (Fig. 24, location 2, Summers, 1976).
								--	10-24-51	67.0	152	3,680	--	Summers, 1976	CA. (Fig. 24, location 2, Summers, 1976).
									11-09-65	--	--	3,500	--	do.	CAR. (Fig. 24, location 3, Summers, 1976).
								--	06-26-66	66.0	152	--	--	do.	--
64	Cañon de San Diego Grant	354618-1064126	Jemez Hot Springs	--	--	Qal	6,190	--	10-11-12	49.0	120	--	--	Kelly and Anspach, 1913	CAR. (Spring no. 3, Kelly and Anspach, 1913).
			Iron Spring				--	--	08-31-49	66.0	150	3,420	--	Summers, 1976	CAR. (Fig. 24, location 4, Summers, 1976).
							--	1	12-02-72	75.0	167	3,930F	N	Summers, 1976; Trainer, 1978	CAR. TA. (H14, Trainer, 1978).
							--	1	02-21-73	71.5	161	4,700F	--	Trainer, 1978	CAR. TA. RA. (H14, Trainer, 1978).
								--	01-25-74	--	--	--	--	Comp.	CA.
							--	--	11-12-74	--	--	--	--	Comp.	CA. RA.

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature °C	Temperature °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
65	Cañon de San Diego Grant	354613-1064132	Jemez Hot Springs (Judt Group) south	--	--	Qal	6,177	--	08-21-24	52.0	125	--	--	Renick, 1931	CA. (Fig. 24, location 5-6, Summers, 1976).
							--	3	10-31-72	--	--	--	--	Trainer, 1978	(H19, Trainer, 1978).
							--	--	05-18-73	49.0	120	3,550	N	Summers, 1976; Trainer, 1978	CA. (Fig. 24, location 6, Summers, 1976); (H19, Trainer, 1978).
							--	--	02-26-73	58.0	136	--	--	Summers, 1976	(Fig. 24, location 7, Summers, 1976).
							--	--	02-07-74	31.5	89	--	--	Comp.	CA.
66	do.	354604-1064136	Jemez Hot Springs	--	--	Qc	6,150	10	05-28-74	17.0	63	1,340	N	Trainer, 1978	CA. Spring formed by sewer excavation; (H20, Trainer, 1978).
67	do.	354619-1064125	do.	--	--	Qal	6,192	7	11-10-72	--	--	--	N	do.	(H12, Trainer, 1978).
							--	5.7	12-02-72	--	--	4,100F	--	do.	(H12, Trainer, 1978).
							--	--	01-16-73	50.5	123	4,200F	--	do.	(H12, Trainer, 1978).
							--	--	07-15-75	72.0	162	3,250	--	*	CA.
68	18N.2E.1.142	354109-1064040	Sino Spring	--	Canyon wall	Qv	7,560	<1	05-08-73	--	--	160F	P	Purtyman and others, 1974; Trainer, 1978	CAR. Jemez Spring Domestic Water Co-op; (H1, Trainer, 1978); see Purtyman and others, 1976, 1978, for additional chemical analyses; Cañon de San Diego Grant.

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (micro-siemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
69	18N.2E.11.141	354825-1064151	Agua Durme Spring	--	Canyon wall	Qv	7,390	100	05-08-73	16.0	61	160F	P	Purtyman and others, 1974; Trainer, 1978	CAR. Jemez Spring Domestic Water Co-op; (H2, Trainer, 1978); see Purtyman and others, 1976, 1978, for additional chemical analyses; Cañon de San Diego Grant.
70	18N.3E.4.321	354912-1063736	McCauley Spring	Abousleman	do.	do.	7,350	--	08-01-47	43.0	--	198	N	Purtyman and others, 1974; Summers, 1976; Trainer, 1978	CA. Water used for bathing; (H39, Trainer, 1978).
								200	11-12-65	32.0	90	160	--	Summers, 1976	CAR.
								359	12-03-72	31.5	89	175F	--	Trainer, 1978	CA.
								368	01-16-73	31.5	89	165	--	do.	CA.
								347	01-16-73	30.0	86	140	--	Purtyman and others, 1974	CA. (RV-5, Purtyman, 1974).
								--	12-13-74	31.0	88	165F	--	Trainer, 1978	CA. RA.
								--	09-24-75	32.0	90	170	--	Purtyman and others, 1976	CAR.
								--	08-05-76	31.0	88	170	--	Purtyman and others, 1978	CAR.
								--	11-18-77	32.0	90	150	--	do.	CAR. TAR. RAR. For additional chemical analyses and spring information, see Purtyman and others, 1974; Summers, 1976; Trainer, 1978.

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
71	18N.3E.6.321	354816-1064049	--	--	Near base of canyon wall	IPm	6,480	2.0	07-13-73	15.0	59	1,430	--	Trainer, 1978	CA. Cañon de San Diego Grant; (H28, Trainer, 1978).
								--	05-10-74	--	--	--	--	Comp.	CA.
72	18N.3E.6.143	354915-1063943	--	--	do.	Qv	6,680	20.0	07-18-74	--	--	560	P	Trainer, 1978	CA. TA. Cañon de San Diego Grant; (H28, Trainer, 1978).
73	18N.3E.18.144	354728-1063940	--	--	Church Canyon	Psg(?) Qv(?)	7,670	12.0	01-20-65	--	--	184	P	Dinwiddie and others, 1966a	CA. Cañon de San Diego Grant; Jemez Spring Domestic Water Co-op; (H27, Trainer, 1978).
								--	12-04-72	15.0	59	215F	--	Trainer, 1978	
								--	05-08-73	6.0	43	100	--	Purtyman and others, 1974	CA.
74	18N.3E.22.412	354636-1063613	--	--	Small canyon	Qv	8,190	<1	09-18-73	9.5	49	187	S	Trainer, 1978	CA. (J2, Trainer, 1978).
75	18N.3E.19.111	354702-1063958	--	--	Canyon wall	do.	6,960	--	12-04-72	--	--	320F	N	do.	Cañon de San Diego Grant; (H24, Trainer, 1978).

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
76	18N.3E.19.120	354707-1063938	--	--	Canyon wall	Qv	7,600	--	12-04-72	19.0	66	165F	N	Trainer, 1978	Cañon de San Diego Grant; (H25, H26, Trainer, 1978).
								--	05-08-73	--	--	120	P	Purtyman and others, 1974; Trainer, 1978	CAR. Jemez Spring Domestic Water Co-op; (Js-2, Js-3, Purtyman and others, 1974).
								--	09-30-75	17.0	63	160	--	Purtyman and others, 1976	CAR. For additional chemical analysis see Purtyman and others, 1978.
								--	04-27-76	12.0	54	190	--	Purtyman and others, 1978	CAR.
								--	11-17-77	12.0	54	180	--	do.	CAR. TAR. RAR.
77	18N.4E.10.143	354826-1063028	--	Santa Fe National Forest	Hillside	Qc	9,090	--	10-13-72	13.0	55	140F	N	Trainer, 1978	(J4, Trainer, 1978).
78	18N.4E.10.311	354819 1063040	--	do.	do.	do.	9,070	--	10-13-72	9.5	49	180F	N	do.	(J3, Trainer, 1978).
79	19N.2E.11.143	355338-1064155	--	do.	Rio Barley Canyon	do.	7,980	--	--	--	--	--	--	do.	(N3, Trainer, 1978).

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
80	Baca Location No. 1	355423-1063656	Ladies' Bath House	--	Canyon bottom	--	8,260	--	08-31-24	--	--	--	--	Comp.	CA.
								--	10-12-12	75.0	167	--	--	Kelly and Anspach, 1913	CAR.
								--	08-31-49	--	--	8,510	--	Trainer, 1978	CA. "Rotten egg" odor; (P3, Trainer, 1978).
								--	10-30-65	57.0	135	4,000	--	Summers, 1976	CAR. Water overflows and disappears a few feet downstream.
								--	06-22-66	82.0	180	--	--	do.	CAR.
81	do.	355424-1063655	Men's Bath House	--	do.	--	8,240	--	10-12-12	41.0-68.5	106-155	--	--	Kelly and Anspach, 1913	CAR. See Summers, 1976, for additional chemical analysis.
								--	08-31-24	43.5	110	--	--	Renick, 1931	CA. More complete analyais in Summers, 1976.
								--	08-13-47	--	--	14,100	--	Summers, 1976	CAR.
								--	07-28-49	--	--	13,900	--	Comp.	CA.
								--	11-04-63	87.0	189	13,800	--	Trainer, 1978	CA. RA. "Rotten egg" odor; (P2, Trainer, 1978).
								0	10-30-65	--	--	9,400	--	Summers, 1976	CAR.

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
81	Baca Location No. 1 (Continued)							--	06-26-66	--	--	17,300	--	Comp.	CA.
								--	07-21-67	81.0	178	17,300	--	*	CA.
								--	12-02-74	70.0	158	--	--	*	CA. RAR. TAR.
82	do.	355426-1063656	Lemonade Spring	--	Canyon bottom	--	--	--	10-12-12	44.0	111	--	--	Kelly and Anspach, 1913	CAR. Called Sour Springs by Kelly and Anspach, 1913.
								--	08-13-47	53.0	127	3,760	--	Summers, 1976	CA. See Summers, 1976, for additional analysis.
								--	08-31-49	65.0	149	4,570	--	Hem, 1959	CA. (P1, Trainer, 1978).
								0.5	10-29-65	49.0	120	3,000F	--	Summers, 1965	CAR.
83	do.	355426-1063700	Electric Spring	--	do.	--	--	--	10-12-12	37.0	99	--	--	Kelly and Anspach, 1913	CAR. See Summers, 1976, for additional analysis.
								--	08-13-47	36.0	97	11,700	--	Summers, 1976	CA.
								--	07-28-49	39.0	102	12,500	--	do.	CA.
								2.6	10-29-65	35.0	96	10,000F	--	do.	CAR.
								--	12-02-74	23.0	73	--	--	do.	RAR. TAR.

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
84	Baca Location No. 1	355429-1063654	Alum Spring	--	Bed of an arroyo, 300 feet east of Sour Spring	--	--	--	10-12-12	15.0	59	--	--	Kelly and Anspach, 1913	CAR.
								--	08-31-24	24.5	76	--	--	Renick, 1931	CA.
								--	08-13-47	17.0	63	8,260	--	Summers, 1976	CA.
								--	08-31-49	--	--	4,370	--	do.	CA.
								--	10-30-65	--	--	--	--	do.	Destroyed.
85	do.	355427-1063702	Laxative Spring	--	Canyon bottom	--	--	--	08-13-47	--	--	1,090	--	do.	CA.
								--	08-31-49	--	--	1,270	--	do.	CA.
								Dry	10-30-65	--	--	--	--	do.	
86	do.	355431-1063656	Kidney and Stomach Trouble Spring	--	do.	--	--	--	10-12-12	10.5	51	--	--	Kelly and Anspach, 1913	CAR. Called Seltzer Spring by Kelly and Anspach, 1913.
								--	09-01-24	--	--	--	--	Comp.	CA.
								--	08-13-47	14.0	57	1,140	--	Summers, 1976	CA.
								--	07-28-49	--	--	875	--	do.	CAR.
								--	08-31-49	--	--	920	--	Comp.	CA.
								--	10-30-65	--	--	--	--	do.	Destroyed.

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (micro-siemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
87	Baca Location No. 1	355429-1063654	Footbath Spring	--	Canyon bottom	--	--	--	10-12-12	38	100	--	--	Kelly and Anspach, 1913	CAR. Called Mud Geyser by Kelly and Anspach, 1913.
								--	08-31-24	37	99	--	--	Renick, 1931	CAR.
								--	08-13-47	36	97	16,600	--	Summers, 1976	CAR.
								--	08-28-49	37	99	6,100	--	do.	CAR.
								1.1	10-29-65	33.5	92	3,000F	--	do.	CAR.
								--	10-30-65	33.5	92	5,300	--	do.	CAR.
88	19N.2E.7	355238-1064454	--	New Mexico Department of Game and Fish	Canyon	Qv	7,715	15	10-05-72	12.5	55	130F	P	Trainer, 1978	Cañon de San Diego Grant; (N7, Trainer, 1978).
89	Cañon de San Diego Grant	355234-1064436	Spring Canyon	do.	do.	do.	7,655	7	11-15-72	12.5	55	130F	O	Purtyman and others, 1974; Trainer, 1978	Supplies picnic ground; (N6, Trainer, 1978; 28, Purtyman and others, 1974).
								21	05-31-73	12.5	55	130F	--	do.	--
90	19N.2E.22	355150-1064310	Cold Spring	Santa Fe National Forest	Lake Fork Canyon	Qal	7,860	1	08-14-73	10.0	50	155F	S	Purtyman and others, 1974	CAR. Cañon de San Diego Grant; (N7, Trainer, 1978; 31, Purtyman and others, 1974).
								--	09-30-75	7.0	45	140	--	Purtyman and others, 1976	CAR.
								--	08-05-76	11.0	52	150	--	Purtyman and others, 1978	CAR.
								--	11-17-77	7.0	45	140	--	do.	CAR. RAR. TAR.

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
91	19N.3E.3	355450-1063625	Turkey Spring	--	--	--	8,560	--	09-01-24	--	--	--	--	Renick, 1931	CA. Baca Location No. 1; location approximate.
92	19N.3E.5.333	355401-1063900	--	Santa Fe National Forest	Canyon	Qc	7,960	< 1	10-04-72	8.5	47	180F	N	Trainer, 1978	(P4, Trainer, 1978).
93	19N.3E.17.344	355247-1063836	--	--	Canyon flat	Qal	7,670	--	11-21-59	11.0	52	153	D	do.	CA. Baca Location No. 1; (P8, Trainer, 1978).
								--	03-04-74	16.0	61	--	--	Comp.	CA.
								--	07-23-74	--	--	--	--	do.	CA.
94	19N.3E.18.412	355241-1063923	Horse-shoe Spring	--	Base of canyon wall	Qc	7,950	--	11-23-72	--	--	200	D	Purtyman and others, 1974; Trainer, 1978	CAR. (N15, Trainer, 1978; 4, Purtyman and others, 1974).
								--	11-26-74	--	--	--	--	--	RA.
								--	12-08-75	17.0	63	150	--	Purtyman and others, 1976	CAR.
								--	11-19-76	17.0	63	140	--	Purtyman and others, 1978	CAR.
								--	11-18-77	6.0	43	140	--	do.	CAR. TAR. RAR.
95	19N.3E.20.331	355130-1063902	--	--	Mesa side	Qr	8,160	2.0	05-31-73	8.5	47	166	N	Trainer, 1978	CA. Cañon de San Diego Grant.

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
96	19N.3E.28.143	355058-1063742	Spence Hot Spring	Santa Fe National Forest	Jemez River Canyon	Qv	7,340	--	08-01-47	44.0	111	283	O	Purtyman and others, 1974; Summers, 1976; Trainer, 1978	CA. (H42, Trainer, 1978); water used for bathing.
								39	11-07-72	39.5	103	276	--	Comp.	CA.
								44	12-01-72	41.0	106	282F	--	Trainer, 1974; Summers, 1976; Trainer, 1978	CA. TA. RA. Summers, 1976, reported 19N.3E.28.310.
								47	01-17-73	38.0	100	240	--	Purtyman and others, 1974	CAR. (RV-4, Purtyman and others, 1974).
								--	03-15-73	39.5	103	295F	--	Trainer, 1978	CA. TA. For additional analysis see Summers, 1976.
								--	09-24-75	41.0	106	290	--	Purtyman and others, 1976	CAR.
								--	08-04-76	40.0	104	280	--	Purtyman and others, 1978	CAR.
								--	11-17-77	36.0	97	250	--	do.	CAR.
97	19N.3E.28.322	355054-1063736	--	do.	Canyon wall	do.	7,700	2	09-29-72	34.0	93	240	N	Trainer, 1978	(H43, Trainer, 1978).
98	19N.3E.29.413	355048-1063824	--	do.	do.	Pa	7,680	<1	03-07-73	21.0	70	1,780	N	do.	CA. (H40, Trainer, 1978).
99	19N.3E.29.420	355049-1063809	--	do.	do.	do.	7,360	--	05-10-73	16.5	62	1,470	N	do.	Reported as 19N.3E.29.342.
								--	06-29-73	16.5	62	1,470	--	do.	CA. (H41, Trainer, 1978).

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
100	19N.3E.32.324	354952-1063834	--	Santa Fe National Forest	Near base of canyon wall	IPm	6,870	< 1	05-25-73	13.5	56	3,660	N	Trainer, 1978	CA. (H35, Trainer, 1978).
101	19N.3E.32.331	354949-1063857	--	do.	Small canyon	do.	6,980	< 1	09-24-73	16.5	62	3,290	N	do.	CA. Cañon de San Diego Grant; (H31, Trainer, 1978).
102	19N.3E.32.341	354946-1063846	--	do.	Hillside near State Highway 4	do.	6,760	--	06-28-49	16.5	62	2,040	N	do.	CA. Cañon de San Diego Grant; (H32, Trainer, 1978).
								--	01-17-73	19.0	66	2,540	--	Comp.	CA.
								15	03-08-73	18.5	65	2,700F	--	Trainer, 1978	CA. CAR. TA. RA.
								--	05-17-73	18.0	64	--	--	Comp.	CA.
								73	05-18-73	--	--	--	--	do.	CA.
								39	06-07-73	18.0	64	1,800	--	do.	CA.
								28	06-28-73	17.5	63	--	--	do.	CA.
								17	08-15-73	18.0	64	--	--	do.	CA.
								--	01-25-74	18.0	64	1,900	--	Trainer, 1978	CA.
								--	03-04-74	18.5	65	--	--	Comp.	CA.
								--	11-12-74	--	--	--	--	do.	CA. RA.
								--	05-22-75	--	--	--	--	do.	CA. RA.
103	19N.3E.32.444	354948-1063804	--	do.	Hillside	Qv	7,200	--	09-29-72	31.0	88	185F	N	Trainer, 1978	(H36, Trainer, 1978).
104	19N.3E.33.341	354948-1063740	--	do.	Side of Battleship Rock	do.	7,700	--	09-29-72	--	--	175F	N	do.	(H37, Trainer, 1978).

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (micro-siemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
105	19N.3E.33.344	354940-1063733	--	Santa Fe National Forest	Near top of Battleship Rock	Qv	7,880	--	09-29-72	31.0	88	190F	N	Trainer, 1978	(H38, Trainer, 1978).
106	19N.4E.2.144	355428-1062905	--	Baca Land and Cattle Company	Base of rhyolite dome	do.	8,750	<5	--	--	--	--	S	Griggs, 1964; Trainer, 1978	Baca Location No. 1; (L1, Trainer, 1978).
107	19N.4E.12.341	355319-1062816	--	do.	do.	do.	8,726	<5	--	--	--	--	S	do.	Baca Location No. 1; (L2, Trainer, 1978).
108	19N.5E.18.430	355219-1062647	--	do.	do.	do.	8,520	900	06-20-50	--	--	84	S	Griggs, 1964	CA. RA. Baca Location No. 1; several springs in area.
								200-300	05-25-54	14.0	57	80	S	Scott and Barker, 1962	--
109	20N.1E.6.233	355935-1065229	Horse-shoe Spring	Santa Fe National Forest	Señorita Canyon	Pa	7,860	2	08-05-74	10.5	51	580F	O	Trainer, 1978	CA. (M1, Trainer, 1978).
								--	11-26-74	8.0	46	--	--	do.	CA. RA.
110	20N.2E.22.444	355635-1064214	--	do.	Base of canyon wall	Qv	8,160	--	10-17-72	10.5	51	120F	D	do.	(N8, Trainer, 1978); supplies fish hatchery and campground.
								--	11-07-72	11.5	53	110	--	do.	--
								--	12-02-72	11.5	53	120F	--	do.	--
								--	04-27-73	12.5	55	115F	--	do.	--
111	20N.2E.26.433	355551-1064138	--	do.	Canyon bottom	Qc	7,965	6	10-05-72	8.0	46	130F	O	do.	(N9, Trainer, 1978); water used by campers.
								10	09-13-73	8.5	47	125F	--	Purtyman and others, 1974	CA. (28, Purtyman and others, 1974).

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
112	20N.2E.27.222	355634-1064214	--	Santa Fe National Forest	Calaveras Canyon	Qv	8,155	--	12-02-72	11.5	53	113F	--	Trainer, 1978	CA. CAR. RA.
								--	01-13-73	--	--	--	--	Comp.	TA.
								--	05-22-73	12.5	55	109	--	Trainer, 1978	CA. TA. (N10, Trainer, 1978).
								--	06-28-73	13.0	55	101	--	Comp.	CA.
								--	02-22-74	12.0	54	--	--	do.	CA.
								--	11-12-74	--	--	--	--	do.	RA.
113	20N.2E.27.433	355544-1064237	--	do.	Canyon wall	Qr	8,040	--	10-05-72	13.0	55	90F	D	Trainer, 1978	Supplies fish hatchery; (N11, Trainer, 1978).
								--	01-17-73	--	--	110F	--	do.	--
114	20N.2E.27.433	355544-1064237	--	do.	do.	do.	8,045	--	10-17-73	--	--	100F	D	do.	(N12, Trainer, 1978).
								--	02-22-74	12.0	54	--	--	Comp.	--
115	20N.2E.35.111	355541-1064208	Seven Springs	New Mexico Department of Game and Fish	Canyon	Qv	7,960	--	01-17-73	9.0	48	90	D	Purtyman and others, 1974	CAR. Santa Fe National Forest; (23, Purtyman and others, 1974).
								--	02-22-74	10.0	50	120F	--	Trainer, 1978	CA. (13, Trainer, 1978); water supply for fish hatchery.
116	20N.3E.18.322	355648-1063938	--	Santa Fe National Forest	Small valley on hill	do.	8,400	12	10-27-72	9.5	49	75F	N	do.	(N17, Trainer, 1978).
117	20N.3E.18.322b	355648-1063938	--	do.	do.	do.	8,400	5	10-27-72	11.5	53	70F	N	do.	(N18, Trainer, 1978).

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
118	20N.3E.20.322	355650-1063831	Cold Spring	Santa Fe National Forest	San Antonio Creek	Qv	8,280	1	10-12-72	20.5	69	110F	N	Trainer, 1978	(P11, Trainer, 1978).
								--	07-20-76	--	--	115	--	*	CA.
119	20N.3E.29.123	355623-1063836	San Antonio Hot Spring	do.	do.	do.	8,350	150	No date	54.0	130	--	--	Stearns and others, 1937; Waring, 1965	"Murray Spring."
								199	11-31-65	41.0	106	125F	--	Summers, 1976	CAR.
								157	09-28-72	40.0	104	130F	O	Trainer, 1978	(P12, Trainer, 1978).
								323	05-16-73	40.0	104	110F	--	do.	CA. CAR.
								476	05-24-73	42.0	108	110	--	Purtyman and others, 1974	--
								--	11-12-74	--	--	--	--	Comp.	RA.
								--	08-12-75	41.0	106	195	--	Purtyman and others, 1976	CAR. (RV2, Purtyman and others, 1976).
								--	08-04-76	40.0	104	120	--	Purtyman and others, 1978	CAR.
								--	11-17-77	36.0	97	113	--	do.	CAR. TAR. RAR.
120	20N.3E.29.334	355541-1063847	--	Santa Fe National Forest	San Antonio Creek	do.	8,330	< 1	10-04-72	16.5	62	105F	N	Trainer, 1978	(P13, Trainer, 1978).
121	20N.3E.29.334	355541-1063847	--	do.	do.	do.	8,300	--	10-04-72	28.5	83	130F	N	do.	(P14, Trainer, 1978).
122	20N.3E.29.334	355542-1063847	--	do.	do.	do.	8,300	--	10-04-72	29.0	84	125F	N	do.	(P15, Trainer, 1978).

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
123	20N.3E.29.334	355541-1063847	--	Santa Fe National Forest	San Antonio Creek	Qv	8,330	<1	10-04-72	22.0	72	130F	N	Trainer, 1978	(P16, Trainer, 1978).
124	20N.3E.32.113	355529-1063855	--	do.	do.	Qc	8,175	--	10-04-72	8.5	47	135F	N	do.	(P17, Trainer, 1978).
125	20N.3E.32.314	355505-1063853	--	do.	do.	do.	8,380	<1	10-12-72	12.5	55	120F	N	do.	(P18, Trainer, 1978).
126	20N.3E.35.3	355501-1063538	--	Baca Land and Cattle Company	Alamo Canyon	do.	8,575	--	07-28-49	24.5	76	644	S	do.	CA. Baca Location No. 1; (P19, Trainer, 1978).
127	20N.4E.18.1	355816-1063341	San Antonio Warm Spring	do.	Valle San Antonio	Qv	8,405	50	No date	49.0	120	--	O	Kelly and Anspach, 1913	Also reported in Stearns and others, 1937, and Waring, 1965.
								25	08-01-47	38.5	101	167	--	Trainer, 1978; Summers, 1976	CA. Baca Location No. 1; (P9, Trainer, 1978).
								--	06-24-56	--	--	165	--	Summers, 1976	CA. 20N.4E.7.0, Summers projected location.
								15.7R	11-01-65	37.0	99	155	--	do.	CAR. For additional analysis, see Purtyman and others, 1974.
								9.5R	08-14-75	38.0	100	120	--	Purtyman and others, 1976	CAR. (RV1, Purtyman and others, 1976).
128	20N.4E.14.3	355733-1062913	--	--	Base of rhyolite dome	Qr	8,560	800	07-06-49	--	--	80	S	Conover and others, 1963; Griggs, 1964	CA. Baca Location No. 1; (Q1, Trainer, 1978).
								600	05-25-54	14.0	57	81	--	Scott and Barker, 1962	CA. RA. Several springs.

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
129	20N.4E.14.424	355743-1062833	--	--	Edge of terrace	Qc, Qal(?)	8,630	2	No date	--	--	--	S	Griggs, 1964	Baca Location No. 1; (Q2, Trainer, 1978).
130	20N.5E.30.211	355631-1062646	--	Baca Land and Cattle Company	Stream channel	Qal	8,760	--	No date	--	--	--	S	do.	Baca Location No. 1; (Q4, Trainer, 1978); issues from fan deposits. Head spring in San Antonio Creek.
131	16N.1W.29.232	353528-1065736	Ojito Spring	Pueblo of Zia	Side of wash	Km	5,770	2	06-05-73	21.0	70	10,100F	N	Trainer, 1978	CA. TA. (C4, Trainer, 1978).
132	16N.3W.11	353806-1070733	--	Aparcio Gurule	Arroyo	do.	6,080	--	05-26-67	--	--	9,940	--	*	CAR. Reportedly near Cabezon.
133	Pueblo of Jemez	354320-1065527	Holy Ghost Spring	Pueblo of Jemez	Bottom of arroyo	Km(?)	6,398	10	--	13.5	56	720	--	*	No dates.
134	Pueblo of Zia	353938-1065313	Cahana Spring	Pueblo of Zia	do.	Qc	6,140	--	07- -46	--	--	1,130	N	Trainer, 1978	CA. (C5, Trainer, 1978).
135	19N.2W.5.112	355445-1070418	--	--	Side of mesa	Toa	7,100	--	05-23-78	9.0	48	105	--	*	--
136	19N.2W.5.422	355422-1070338	Ojo Jarido	--	Base of cliff	do.	7,100	--	05-23-78	10.0	50	180	--	*	--
137	19N.2W.9.122	355356-1070301	--	--	do.	do.	7,200	--	05-23-78	9.0	48	440	--	*	--
138	20N.1W.2.123	355217-1065548	J. Herrera Springs	--	Bottom of arroyo	Qal	7,300	0.5-1	08-29-59	--	--	--	N	Baltz and West, 1967	Several springs along arroyo bottom.
139	20N.2W.21.220	355716-1070235	E. Johnson Spring	--	Arroyo	Toa	6,820	0.5R	04-30-58	9.0	48	542	--	*	CA. Seep; partial analysis.

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
140	20N.2W.23.213	355716-1070043	--	--	Overhanging cliff on north side of valley	Toa	6,835	2	08-19-59	--	--	--	S	Baltz and West, 1967	Seeps; good quality; permanent.
141	20N.2W.31.332	355457-1070525	Moreno Spring	--	Base of cliff	do.	7,030	--	05-23-78	10.5	51	340	--	*	--
142	20N.2W.32.334	355448-1070420	--	--	Head of small canyon	do.	7,080	--	05-23-78	8.5	47	175	--	*	--
143	20N.4W.14.222	355810-107131-	Penistaja Spring	--	Hillslope	Tn	6,920	--	06-05-78	18.0	64	770	--	*	--
144	20N.4W.33.214	355526-1071538	Eagle Spring	--	do.	Toa	6,900	--	06-05-78	14.0	57	210	--	*	--
145	20N.4W.34.442	355457-1071420	Max Lopez Spring	--	Cliff face	do.	6,850	--	06-05-78	22.0	72	280	--	*	--
								1	11-01-63	--	--	273	--	Comp.	CA. TA.
146	21N.1W.3.131	360453-1065613	--	USFS	Top of terrace	Qcg	7,450	1-3	08-17-59	--	--	--	N	Baltz and West, 1967	Old La Jara Ranger Station.
147	21N.1W.3.422	360440-1065520	--	D. Benavides	Creek bottom at margin of terrace	Qal	7,580	1-3	08-17-59	11.0	52	287	D	do.	CA.
148	21N.1W.7.142	360401-1065903	Bilterrera Spring	B. Herrera	Slope bordering draw	Tsj	7,050	--	04-20-56	--	--	425	D	*	Never goes dry.

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (micro-siemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
149	21N.1W.9.143	360354-1065703	R.D. Phillips Spring	R.D. Phillips	Bottom of arroyo	Tsj	7,140	2-3	08-15-59	--	--	--	S	Baltz and West, 1967	Flows year round.
150	21N.1W.14.134	360303-1065503	D. Martinez Spring	D. Martinez	Top of terrace near margin	Qcg	7,500	--	08-10-59	--	--	--	D, S	do.	Open collecting basin below livestock corrals.
151	21N.1W.14.331	360243-1065509	V. McCoy Spring	V. McCoy	Margin of terrace	Qal	7,400	1-2	08-12-59	13.0	55	--	--	do.	--
152	21N.1W.14.341	360242-1065454	--	Cuba Water Users Association	Margin of terrace	do.	7,430	--	02-02-60	--	--	--	D	do.	Discharge is variable. Several gathering tunnels driven into terrace gravel. Unfenced. Water supply for town of Cuba at time of field work (1959-60).
153	21N.1W.14.413	360249-1065438	Martinez Spring	--	do.	Qcg	7,510	0.75R	08-12-59	13.0	55	302	D	do.	CA.
154	21N.1W.14.421	360255-1065411	Cuba Village Spring	Cuba Water Users Association	Hillslope	Qal	7,600	20R	01-07-65	--	--	539	D	Dinwiddie and others, 1966a	CA.
155	21N.1W.15.311	360255-1065613	P. Gurule Spring	P. Gurule	Bottom of arroyo	do.	7,060	--	08-15-59	--	--	--	S	Baltz and West, 1967	--
156	21N.1W.17.114	360316-1065814	Brodrick Spring	Brodrick	Hillslope	Tsj	7,110	1-2	08-14-59	14.0	57	--	D	do.	Dug out; seep.
157	21N.1W.17.333	360235-1065823	W. Eastlake Spring	William Eastlake	Bottom of arroyo	do.	6,950	3-4	08-14-59	--	--	--	N	do.	Several seeps in arroyo bottom.

Table 24.--Physical characteristics of springs in Sandoval County--Continued

Number in figure 26	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
158	21N.1W.18.200	360310-1065840	--	--	Bottom of arroyo	Tsj	7,025	1-5	08-14-59	--	--	--	N	Blatz and West, 1967	Seeps in bottom of San Jose; year-round flow.
159	21N.1W.34.100	360035-1065607	--	--	--	--	--	--	10-23-44	--	--	992	--	*	CA.
160	21N.1W.34.411	360018-1065542	A. Montoya Spring	A. Montoya	Valley floor	Qal	7,070	2-3	08-29-59	--	--	--	D, S	*	Very dependable; collecting basin.
161	21N.2W.17.333	360235-1070448	--	--	Slight depression in small saddle	Tsj(?)	7,140	--	09-07-59	--	--	--	S	*	Seep.
162	21N.2W.19.222	360228-1070457	--	--	Hillslope below ledge	Tsj	7,260	--	09-07-59	--	--	--	N	*	Dug out, covered, and fenced.
163	21N.2W.19.224	360220-1070455	--	--	Hillslope	do.	7,170	--	05-21-78	20.0	68	1,750F	--	*	--
164	21N.7W.14.444	360153-1073637	Ojo Sandoval	--	Cliff face	--	6,875	--	01-27-76	6.0	43	430	--	*	CA.
165	21N.7W.27.333	360100-1073417	--	--	Base of low cliff	Toa	6,755	1R	01-22-76	--	--	--	--	Shomaker, 1976	--
								--	01-28-76	4.0	39	520F	--	do.	CA.
166	22N.1W.3.332	360938-1065601	--	USFS	Creek bottom on terrace	Qcg	7,640	1-3	08-27-59	10.5	51	--	D	Baltz and West, 1967	Flows year round.
167	22N.1W.11.313	360853-1065510	La Jara Ranch Spring	La Jara Ranch	Valley floor	Qal	7,850	--	08-21-59	--	--	--	S	do.	Dug out.
168	22N.1W.14.312	360806-1065501	do.	do.	do.	do.	7,860	1-3	08-21-59	11.0	52	--	D, S	do.	Dug out; collecting basin.

Table 24.--Physical characteristics of springs in Sandoval County--Concluded

Number in figure 26	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
169	22N.1W.16.424	360807-1065618	La Jara Ranch Spring	La Jara Ranch	Nose of hillslope	Qal	7,500	3-4	08-21-59	16.0	61	1,280	S	Baltz and West, 1967	CA. Partial analysis.
170	22N.1W.28.334	360606-1065712	--	--	Bed of La Jara Creek	do.	7,250	1-2	08-19-59	--	--	--	S	do.	Flows year round.
171	22N.1W.34.334	--	--	USFS	Creekbed	Qcg	7,450	5-10	08-17-59	--	--	--	S	do.	Seeps.
172	23N.1W.22.313	361224-1065611	Wasson Spring	R.L. Reed	North slope of narrow ridge	Tsj	7,550	0.25R	08-20-59	--	--	1,430	S	do.	CAR. Reported as 21N.1W.22.333; seeping from fractures in sandstone bed.
173	23N.1W.32.423	361039-1065733	Regina Store Spring	Regina Community Store	Margin of valley	Qal	7,400	--	08-21-59	--	--	--	D	do.	Dry in the summer; developed.
174	23N.1W.32.442	361034-1065723	Hatch Spring	L. Jacquez	Floor of valley	do.	7,430	--	08-21-59	--	--	--	N	do.	Collection pit.

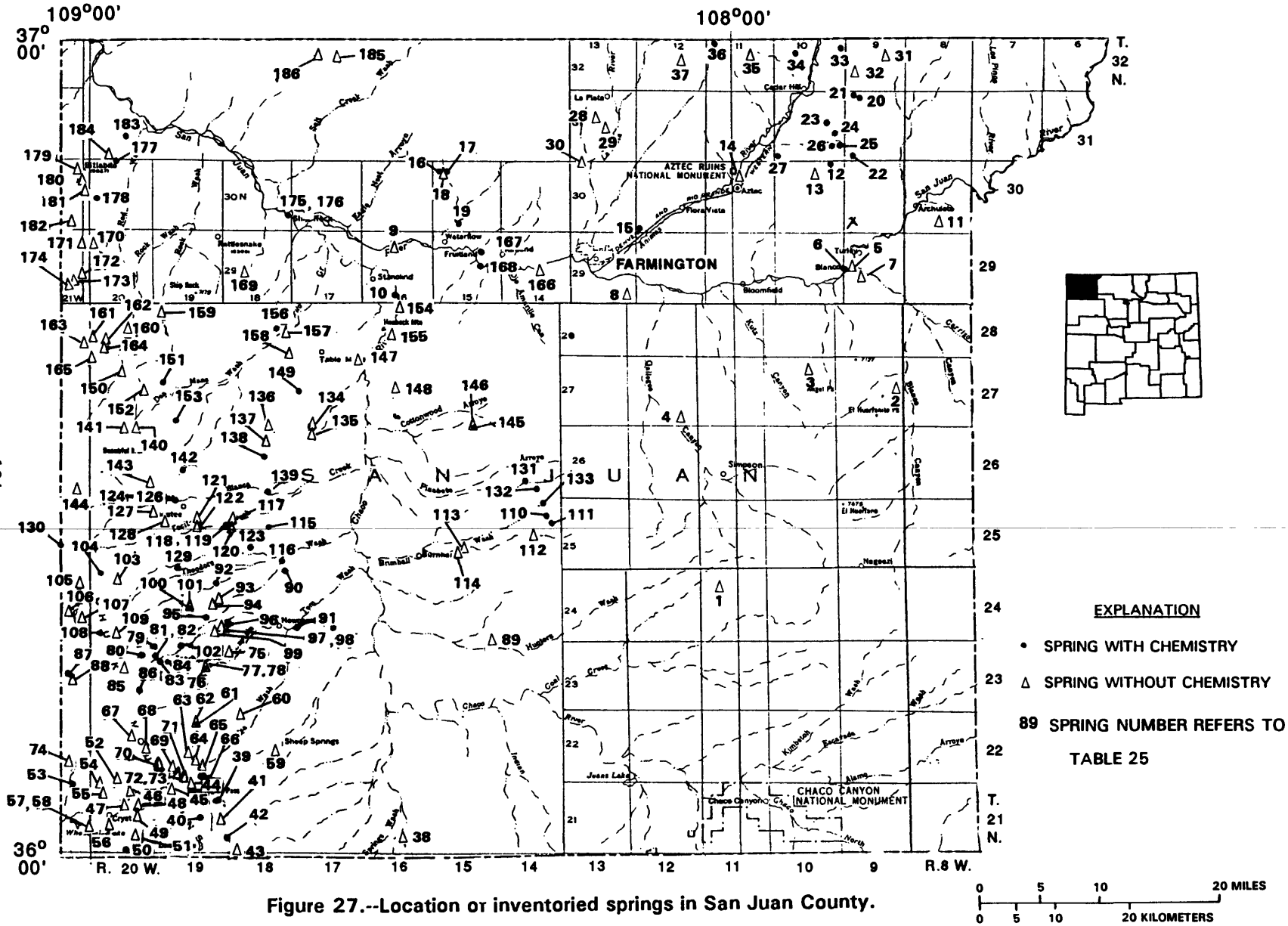


Figure 27.--Location or inventoried springs in San Juan County.

Table 25.--Physical characteristics of springs in San Juan County

Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
1	24N.11W.8.000	361950-1080200	Ojo Alamo Spring	--	--	Toa	6,300	--	--	--	--	--	--	*	--
2	27N.9W.13.431	363414-1074421	Oil Test Spring	--	--	--	5,950	<5	02-08-77	0	32	4,800	--	*	--
3	27N.10W.11.124	363537-1075154	Armenta Canyon Spring	--	--	Tn	6,040	<0.1	11-04-75	14.0	57	2,200	--	*	Stock tank.
4	27N.12W.35.424	363140-1080419	Pete Spring	--	--	do.	5,923	5	11-04-75	13.5	56	1,500	S	*	--
5	29N.9W.17.324	364322-1074808	--	U.S. Government	Bluff	do.	5,645	2	05-18-61	--	--	5,870	N	*	Seep.
6	29N.9W.18.422	364324-1074836	--	State Highway Department	Bank	do.	5,575	1	05-17-61	--	--	7,540	N	*	CA. Issues from bluff at contact of sandstone over shale; seep has much white saline crustation around its banks.
7	29N.9W.21.141	364248-1074708	--	--	--	do.	5,640	<0.5	10-20-75	19.6	67	7,000	--	*	Seepage occurs over an srea of about ½ acre.
8	29N.13W.36.322	364054-1080926	--	--	Local depression	do.	5,460	--	04-10-68	--	--	3,000(?)	S	*	No discharge observed.
9	29N.16W.4.433	364502-1083142	--	W. Wheeler	--	Qal	5,020	1-2	10-06-69	15.0	59	2,440	S	*	--
10	NR032.0169	364107-1083148	Hogback Spring	--	--	Kmf	5,100	--	07-11-68	25.0	77	5,660	N	*	CA.
	XO449						--	--	02-09-77	--	--	5,000	N	*	

Table 25.--Physical characteristics of springs in San Juan County--Continued

Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
11	30N.8W.33.212	364629-1074035	--	--	Head of canyon	--	6,165	Seep	10-21-75	--	--	1,300	--	*	--
12	30N.10W.2.230	365040-1075047	Mud Spring	--	--	Tsj	6,550	--	09- -75	--	--	1,000	S	Brown and Stone, 1978	CAR. Dry in summer 1975.
13	30N.10W.14.2	364854-1075056	Jackson Spring	--	--	do.	6,400	--	--	--	--	--	--	do.	Dry in summer 1975.
14	30N.11W.9.000	364930-1080000	Aztec Peach Spring	--	--	--	--	--	11-25-33	--	--	--	D,S	*	--
15	30N.12W.31.340	364555-1080825	E. Evans Spring	Evans	Bed of wash	Kk(?)	5,430	--	09-27-46	--	--	1,890F	D	*	CA. TA.
16	30N.15N.6.111	365059-1082759	West-water Spring	--	--	Kmf	5,395	0.1 --	05-11-75 08-15-75	7.0 --	45 --	7,000 2,890	-- --	* Comp.	CA. --
17	30N.15W.6.244	365035-1082656	do.	--	--	--	5,330	Seep	08-15-74	--	--	16,700	--	do.	CA. TA.
18	30N.15W.6.422	365037-1082656	--	--	Arroyo	Qal	5,322	--	11-05-75	16.5	62	6,000F	--	*	Spring issues from 30-foot, excavated pool; arroyo is full of seeps.
19	30N.15W.33.212	364640-1082508	Mine Pit Spring	--	--	--	--	--	08-15-74	23.0	73	22,600	--	Comp.	CA.
20	31N.9W.5.300	365523-1074828	Last Chance Spring	--	--	Tsj	6,750	--	06-17-75	--	--	183	S	Brown and Stone, 1978	CAR.
21	31N.9W.6.200	365549-1074850	Hidden Spring	--	--	do.	6,750	--	06-17-75	--	--	1,800	S	do.	CAR. Much alkali precipitation.

Table 25.--Physical characteristics of springs in San Juan County--Continued

Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature °C	Temperature °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
22	31N.9W.31.42	365112-1074851	Cotton-wood Spring	--	Alamo Canyon	Tsj	6,430	--	06-17-75	--	--	450	--	Brown and Stone, 1978	CAR.
23	31N.10W.14.100	365405-1075120	Garrison Spring	--	--	Tn(?)	6,280	--	06-19-75	--	--	--	--	do.	CAR.
24	31N.10W.24.300	365256-1075010	Arch Rock Spring	--	Head of south fork of Arc Rock Canyon	--	6,500	--	06-17-75	--	--	390	S	do.	CAR. Reported location 31N.10W.31.3.
25	31N.10W.25.300	365150 1075017	Hart Spring #1	--	--	Tsj	6,450	--	06-17-75	--	--	295	D,S	do.	CAR. Developed by owners.
26	31N.10W.26.400	365150-1075042	Hart Spring #2	--	--	--	--	--	06-17-75	--	--	700	--	do.	CAR.
27	31N.10W.31.100	365130-1075539	Thurston Spring	--	Jones Arroyo	Tn	5,950	--	06-17-75	--	--	2,900	S	do.	CAR.
28	31N.13W.16.244	365401-1081204	Spring	--	Terrace	do.	5,750	0.312M	10-22-75	15.0	59	1,800F	I	*	Could include irrigation-return flow. Water channeled for irrigation. Yield in cubic feet per second.
29	31N.13W.22.111	365334-1081158	Barrez Spring	--	Head of Allen Arroyo	do.	5,695	--	11-05-75	5.5	42	3,100F	--	*	--
30	31N.13W.32.314	365115-1081402	Knight Spring	--	Arroyo	do.	5,622	<0.1	11-05-75	9.0	48	2,400F	--	*	Seeping out of masonry curbing in side of arroyo.

Table 25.--Physical characteristics of springs in San Juan County--Continued

Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
31	32N.9W.15.300	365900-1074600	Hog Spring	Southern Ute Indian Reservation	Box Canyon Arroyo	Tsj	6,780	--	1975	--	--	--	S	Brown and Stone, 1978	Dry. Reported as 32N.9W.29.300.
32	32N.9W.29.300	365706-1074820	Ice Spring	--	--	do.	6,800	--	1975	--	--	--	--	do.	--
33	32N.10W.13.200	365920-1074948	Cat Tail Spring	Southern Ute Indian Reservation	Arroyo	do.	6,900	--	06-18-75	--	--	820	--	do.	CAR.
34	32N.10W.17.400	365900-1075355	High Hopes Spring	do.	--	do.	6,700	--	08-25-75	--	--	350	--	do.	CAR. Undeveloped.
35	32N.11W.7.411	365952-1080136	Coyote Spring	--	Below overhang	do.	6,535	<0.1	11-05-75	13.0	55	320F	--	*	Developed by drilling horizontal holes.
36	32N.11W.14.3	365858-1075732	Cave Spring	--	--	do.	6,350	--	06-24-75	--	--	1,650	--	Brown and Stone, 1978	CAR. Good flow.
37	32N.12W.23.122	365838-1080357	Mosley Spring	--	--	Tr, Tsj(?)	6,220	--	11-05-75	13.0	55	5,000F	--	*	--
38	Navajo Indian Reservation	360138-1083118	14A-30	BIA	Bed of wash	Kmf	5,630	--	10-13-54	--	--	--	S	Davis and others, 1963	--
39	NR068.0315 X1240	360414-1084824	14N-1	do.	Small valley	Tc	7,780	-- 30	09-15-52 10-15-54	13.0 --	55 --	250 --	D,S,I --	Davis and others, 1963; Kister and Hatchett, 1963	CA.
40	Navajo Indian Reservation	360307-1085108	300-95	do.	Flat Top Mountain	Qb	8,850	--	08-28-50	29.0	84	200	D,S	*; Comp.	CA.
41	do.	360246-1084837	14N-2	do.	Small valley	Tc	7,960	25M	10-15-54	8.0	46	--	D,S,I	Davis and others, 1963	--

Table 25.--Physicsl characteristics of springs in San Juan County--Continued

Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Tempersture: °C	Tempersture: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
42	Navajo Indian Reservation	360204-1084925	300-98	BIA	Mountain rim	Tc	8,800	13	08-28-50	9.0	48	111	D,S	*; Comp.	CA.
43	do.	360038-1084713	14GS-68-1	do.	Small valley	Qc	7,800	25	--	--	--	--	--	Davis and others, 1963	--
44	do.	360519-1085140	14M-108	do.	do.	Tb, TKi(?)	7,700	4	10-15-54	11.0	52	--	S	do.	--
45	do.	360459-1085254	18A-2	do.	Bed of wash	Tc	8,360	0.1	11-10-54	0.0	32	--	S	do.	--
46	do.	360433-1085719	18A-14	do.	do.	do.	7,780	10	11-10-54	1.0	34	--	D,S	do.	Seep zone.
47	do.	360343-1085738	18A-14A	do.	Small valley	do.	7,610	30	11-10-54	1.0	34	--	D,S	do.	--
48	do.	360343-1085621	Crystal Day School Spring	do.	Hillside	do.	7,800	25M	01-27-54	--	--	--	D	do.	--
49	do.	360256-1085656	18A-25	do.	Bed of wash	do.	7,650	15	11-10-54	0.0	32	--	D,S	do.	Seep zone.
50	NR068.1050 X1520	360149-1085617	18A-24	do.	--	do.	7,700	8	11-10-54	--	--	501	--	Davis and others, 1963; Kister and Hatchett, 1963	CA.
51	Navajo Indian Reservation	360010-1085731	18A-28	do.	Bed of wash	do.	7,530	15	11-10-54	0.0	32	--	S	Davis and others, 1963	--
52	do.	360532-1085833	18A-15	do.	do.	do.	7,950	1	11-10-54	1.0	34	--	S	do.	--
53	NR069.0180 X1105	360525-1090156	18A-19	do.	do.	Trw	7,350	3	11-16-54	5.0	41	1,010	S	Davis and others, 1963; Iorns and others, 1964	CA.

Table 25.--Physical characteristics of springs in San Juan County--Continued

Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
54	Navajo Indian Reservation	360501-1085944	18A-16	BIA	Bed of wash	Tc	7,540	1	11-10-54	1.5	35	--	S	Davis and others, 1963	Seep zone.
55	do.	360430-1085925	18A-16A	do.	Small valley	Qal	7,480	3	11-10-54	1.5	35	--	S	do.	--
56	do.	360217-1085852	18A-26	do.	do.	Je	7,430	1	11-10-54	0.0	32	--	S	do.	--
57	do.	360146-1090017	18A-36	do.	Broad valley	Qal	7,270	0.5	11-16-54	3.0	37	--	S	do.	Seep area.
58	do.	360149-1090023	18A-37	do.	Bed of wash	do.	7,260	0.2	11-16-54	3.0	37	--	S	do.	Seep area.
59	do.	360800-1084250	12R-127	do.	Narrow valley	Ql	5,950	0.8R	06- -54	--	--	--	S	do.	Collection gallery.
								0.5	09-06-54	--	--	--	--	do.	--
60	do.	361019-1084618	12M-35	do.	Bank of wash	Kmf	6,010	0.1R	09-06-54	16.0	61	--	D,S	do.	Collection gallery.
61	NR068.0520 X0635	360930-1085036	12M-20	do.	Small valley	Qc	7,280	0.5M	09-05-54	15.5	60	885	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA. Collection gallery.
62	Navajo Indian Reservation	360924-1085046	12R-158	do.	do.	do.	7,320	2	09-05-54	15.5	60	--	S	Davis and others, 1963	Small dam impounds spring.
63	do.	360730-1085105	12GS-68-1	do.	Hillside	do.	7,940	0.2	09-05-54	--	--	--	--	do.	Collection gallery.
64	do.	360656-1085046	12R-160	do.	Mountain-side	do.	8,000	6M	09-05-54	10.0	50	--	D,S	do.	Collection gallery.
65	do.	360627-1085036	12R-173 Mission-ary Springs	do.	do.	Tc	8,010	0.5M	09-05-54	10.0	50	--	D,S	do.	Collection gallery.

Table 25.--Physical characteristics of springs in San Juan County--Continued

Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
66	NR068.0530 X1050	360553-1085042	12R-161 Owl Spring	BIA	Mountain-side	Tc	8,400	1.4M --	08-28-50 09-04-52	-- 9.0	-- 48	-- 328	S --	Davis and others, 1963; Kister and Hatchett, 1963; Iorns and others, 1964	Collection gallery. CA.
								0.8M	09-05-54	--	--	--	--	Davis and others, 1963	--
67	Navajo Indian Reservation	360848-1085625	12GS-68-2	do.	Hillside	do.	8,890	0.5	09-05-54	11.5	53	--	D	do.	Seep zone.
68	do.	360748-1085526	12K-306	do.	Small valley	do.	8,870	0.8	09-05-54	--	--	--	D,S	do.	--
69	do.	360622-1085245	12A-7	do.	Hillside	Tb, TKi(?)	8,800	2-3	01-31-55	--	--	--	S	do.	--
70	do.	360635-1085327	12A-11	do.	Small valley	Tc	9,100	4-5R	09-05-54	--	--	--	S	do.	--
71	do.	360601-1085225	12A-6	do.	do.	Tb, TKi(?)	8,700	2-3	01-31-55	--	--	--	--	do.	--
72	do.	360546-1085058	12M-1	do.	Mountain-side	Tc	8,600	0.5	09-05-54	11.0	52	--	D,S	do.	Collection gallery.
73	do.	360543-1085105	12R-162	do.	Base of cliff	do.	8,240	10-15	09-05-54	--	--	--	D,S	do.	--
74	do.	360704-1090232	18A-18	do.	Bed of wash	Trw	7,600	< 0.1M	11-16-54	6.5	44	--	D,S	do.	Collection gallery.
75	do.	361448-1084742	12R-110	do.	Hillside	Kpl	5,900	< 0.1	09-06-54	22.0	72	--	S	do.	Collection gallery.
76	NR068.0435 X0180	361327-1084941	12R-156 Mike Spring 1	do.	Bank of wash	do.	5,980	0.5	10-16-50	15.0	59	1,780	--	Davis and others, 1963; Kister and Hatchett, 1963	CA.

Table 25.--Physical characteristics of springs in San Juan County--Continued

Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
77	Navajo Indian Reservation	361240-1085147	12R-156A Mike Spring 2	BIA	Bank of wash	Kpl	5,980	0.5	10-16-50	15.0	59	5,310	--	Davis and others, 1963; Kister and Hatchett, 1963	--
78	do.	361240-1085147	12-156B Mike Spring 3	do.	do.	do.	5,980	0.5	10-16-50	15.5	60	1,320	--	do.	--
79	NR068.0885 X0005	361458-1085432	12GS-68-8	do.	Head of canyon	Qc	6,200	13M	08-25-48	--	--	481	D,S,I	do.	CA.
								3	09-06-54	--	--	--	--	do.	--
80	NR068.0990 X0065	361427-1085540	12GS-68-7	do.	Mountain-side	do.	7,830	6.1M	08-24-48	9.0	48	491	D,S	do.	CA. Collection gallery.
								0.1M	09-05-54	--	--	--	--	do.	--
81	NR068.0855 X0095	361411-1085413	12GS-68-4	do.	Shallow canyon	Pbc	6,820	56M	08-24-48	13.5	56	251	D,I	do.	CA. Collection gallery.
								50	06-25-53	--	--	--	--	do.	--
82	Navajo Indian Reservation	361408-1085416	12GS-68-5	do.	Bed of wash	do.	6,820	23M	08-24-48	10.0	50	--	I	*; Comp.	CA.
								15M	06-25-53	--	--	--	I	do.	--
83	do.	361553-1085400	12GS-68-6	do.	Shallow canyon	do.	6,900	20	08-25-48	--	--	403	D,I	Davis and others, 1963; Kister and Hatchett, 1963	CAR.
84	NR068.083 X005	361435-1085357	To-4	do.	Mountain-side	Tc	6,960	7M	08-24-48	10.0	50	381	S	*; Comp.	CA. Location questionable.
85	Navajo Indian Reservation	361334-1085704	12GS-68-3	do.	Hillside	do.	9,100	0.2	09-05-54	7.0	45	--	D,S	Davis and others, 1963	--
86	NR068.100 X033	361208-1085546	12M-4	do.	do.	do.	8,980	0.5	09-05-54	13.0	55	102	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA. Collection gallery.

Table 25.--Physical characteristics of springs in San Juan County--Continued

Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
87	NR069.0220 X0250	361250-1090223	11Y-29A	BIA	Deep canyon	Tc	7,800	5	08-18-54	14.0	57	292	S,I	Davis and others, 1963; Kister and Hatchett, 1963	CA.
88	Navajo Indian Reservation	361248-1090150	11Y-29	do.	do.	do.	7,800	68R	08-18-54	14.0	57	--	S,I	Davis and others, 1963	--
89	do.	361515-1082315	13K-201	do.	Bank of wash	Kpc	5,600	0.8	12-08-54	10.0	50	--	N	do.	--
90	NR049.1181 X1074	362041-1084244	12R-105 Sulphur Spring	do.	Plain	Kmf	5,576	8R	12- -26	--	--	--	D,S	do.	Collection gallery. Spring associated with basalt intrusion.
								3R	09-07-54	--	--	--	--	do.	--
								8	11-10-48	16.0	61	1,450	--	Davis and others, 1963; Kister and Hatchett, 1963	CA.
								5.25M	05-13-76	17.0	63	1,400F	--	*	--
91	NR049.1053 X1495	361701-1084121	12R-106	do.	Bank of wash	Qal	5,525	1.9	08-15-49	18.0	64	1,670	S	Davis and others, 1963; Kister and	CA. Collection gallery.
								1.9M	09-22-54	--	--	--	--	Hatchett, 1963	--
92	NR050.0341 X0978	362131-1084841	12R-115	do.	do.	do.	5,810	4R	07- -27	--	--	--	D,S	Davis and others, 1963; Kister and Hatchett, 1963	Collection gallery. CA.
								4	09-07-54	17.0	63	1,320	--		
93	Navajo Indian Reservation	361958-1084844	12R-114	do.	do.	Kg	5,870	4R	07- -27	--	--	--	S	Davis and others, 1963	Collection gallery. Water in wash by spring.
								Dry	09-07-54	--	--	--		do.	--
94	do.	361806-1084855	12R-124	do.	Bed of wash	do.	5,920	7	09-07-54	20.5	69	--	D,S	do.	--

Table 25.--Physical characteristics of springs in San Juan County--Continued

Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
95	NR050.0455 X1478	361710-1084955	12R-122	BIA	Bank of wash	Qal	6,020	0.5	09-16-49	16.5	62	2,510	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA. Collection gallery.
								0.5M	09-07-54	16.5	62	--	--	Davis and others, 1963	--
96	NR050.0177 X1496	361701-1084655	12R-154	do.	Bed of wash	Kpl	5,750	0.1M	09-06-54	21.0	70	2,320	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA. Collection gallery.
97	Navajo Indian Reservation	361628-1084815	12R-111	do.	Hillside	Qal, (Qt?)	5,900	2.8R	04- -26	18.0	64	--	D,S	Davis and others, 1963	Collection gallery.
								2M	09-06-54	--	--	--	--	do.	--
98	do.	361623-1084818	12R-112	do.	do.	do.	5,900	1	09-06-54	--	--	--	D,S	do.	--
99	do.	361624-1084813	12R-155	do.	do.	do.	5,900	8R	05- -27	--	--	--	D,S	do.	Collection gallery.
								5M	09-06-54	18.0	64	--	--	do.	--
100	NR050.0586 X1335	361825-1085119	12R-119	do.	do.	Kg	6,080	0.8R	07- -27	--	--	--	D,S	do.	Collection gallery.
								0.12	09-07-54	18.5	65	570	--	Davis and others, 1963; Kister and Hatchett, 1963	CA.
101	Navajo Indian Reaervation	361817-1085119	12R-120	do.	Side of cliff	do.	6,070	< 0.1M	09-07-55	16.5	62	--	D,S	Davis and others, 1963	Collection gallery.
102	NR050.0605 X1710	361510-1085131	12GS-50-1	do.	Bank of wash	Qal	6,300	0.5	09-16-49	16.5	62	731	D,S	Davis and others, 1963;	CA. Collection gallery.
								0.5R	09-07-54	--	--	--	--	Kister and Hatchett, 1963	--

Table 25.--Physical characteristics of springs in San Juan County--Continued

Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
103	Navajo Indian Reservation	361956-1085728	12M-7	BIA	Bed of wash	Qal	7,870	2R	11- -36	--	--	--	S	Davis and others, 1963	Collection gallery.
								Dry	09-04-54	--	--	--	--	do.	--
104	NR050.1305 X1150	362001-1085905	12M-16	do.	Mountain-side	Tc	8,400	0.5M	09-04-52	--	--	--	D,S	Davis and others, 1963; Kister and Hatchett, 1963	--
								0.5	09-04-54	14.0	57	171	--		CA.
105	Navajo Indian Reservation	361920-1090052	12M-8	do.	Shallow canyon	do.	8,990	< 0.1M	09-04-54	15.5	60	--	D,S	Davis and others, 1963	Collection gallery.
106	do.	361725-1090210	12Y-100	do.	Small valley	do.	7,380	50	09-04-54	--	--	--	D,S	do.	--
107	do.	361654-1090043	12M-15A	do.	Canyon	do.	8,260	50	09-04-54	13.0	55	--	D,S,I	do.	Combination spring.
108	NR050.1330 X1635	361549-1085920	12GS-50-3	do.	Small valley	TKi	8,430	10	09-11-52	14.5	58	246	D,S,I	Davis and others, 1963; Kister and Hatchett, 1963	CA. Seep area.
109	Navajo Indian Reservation	361546-1085746	12M-6	do.	Mountain-side	Tc	9,130	1M	09-04-54	--	--	--	D,S	Davis and others, 1963	Collection gallery.
110	NR048.0245 X0580	362458-1081739	13R-153	do.	Side of mesa	Toa	6,270	0.4	05-04-55	11.0	52	1,720	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA. Collection gallery.
111	NR048.0205 X0680	362417-1081713	13T-509	do.	--	do.	6,170	0.6R	12-16-65	--	--	1,630	--	*	CA. Dug and developed.
112	Navajo Indian Reservation	362306-1081945	13R-89	do.	Bank of wash	Kk	5,880	0.3M	12-09-54	7.0	45	--	S	Davis and others, 1963	Collection well.
113	do.	362153-1082552	13R-80A	do.	do.	--	5,570	0.1	12-10-54	1.0	34	--	S	do.	Salt deposits.

Table 25.--Physical characteristics of springs in San Juan County--Continued

Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
114	Navajo Indian Reservation	362220-1082640	13R-80	BIA	Bank of wash	Kkf	6,020	0.1R	--	--	--	--	--	do.	--
								0.2	12-10-54	--	40	--	S	do.	Collection gallery.
115	do.	362340-1084402	12R-103	do.	Plain	TKi	5,620	0.75	09-07-54	17.0	63	1,350	S	Davis and others, 1963; Kister and Hatchett, 1963	CA.
								1.58	05-13-76	14.0	57	1,350F	--	*	--
116	NR049.1209 X0972	362134-1084303	12R-104	do.	Bank of wash	Kmf	5,575	1.5R	11-09-48	15.5	60	1,080	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA.
								3R	09-07-54	--	--	--	--		--
								3.16	05-13-76	16.0	61	1,000F	--	*	--
117	Navajo Indian Reservation	362424-1084704	12R-70	do.	Bed of wash	Qal, Kg	5,700	4	09-15-54	15.0	59	--	S	Davis and others, 1963;	--
118	NR050.0172 X0698	362357-1084652	12R-71	do.	Broad valley	Kg	5,710	3R	12- -26	18	64	--	D,S	Davis and others, 1963	Collection well. Tocito T.P. Spring.
								--	11-10-48	--	--	471	--	do.	CA.
								3	09-16-54	--	--	--	--	--	--
119	NR050.017 X067	362411-1084651	12R-71B	do.	Bank of wash	do.	5,710	5R	09-15-54	22	72	456	D,S,I	Davis and others, 1963; Kister and Hatchett, 1963	CA. Collection gallery.
120	Navajo Indian Reservation	362356-1084652	12R-71A	do.	Broad valley	do.	5,710	5	09-16-54	20	68	--	D,S,I	do.	Collection well.
121	do.	362424-1085110	12R-69	do.	Hillside	Qal	5,950	2M	09-15-54	19	66	--	D,S	do.	Collection gallery.

Table 25.--Physical characteristics of springs in San Juan County--Continued

Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
122	Navajo Indian Reservation	362630-1085106	12R-69A	BIA	Bed of wash	Qal	5,870	5	09-15-54	--	--	--	S	Davis and others, 1963; Kister and Hatchett, 1963	--
123	NR050.0065 X0905	362209-1084543	12R-72	do.	Sand dune	do.	5,680	5	09-15-54	20	68	754	D,S,I	Davis and others, 1963; Comp.	CA. Seeps, quicksand; flow of 20 gpm for entire seep.
124	NR050.050 X0432	362616-1085025	12GS-50-4	do.	Bank of wash	do.	5,960	--	08-26-49	--	--	1,370	S	Davis and others, 1963; Kister and Hatchett, 1963	CA. Seep.
125	NR050.0660 X0460	362601-1085208	12GS-50-5	do.	do.	do.	5,950	20 20	08-26-49 08-25-59	-- --	-- --	1,100 --	S --	Halpenny and Whitcomb, 1949; Davis and others, 1963; Kister and Hatchett, 1963	CA. --
126	NR050.0670 X0460	362601-1085214	12GS-50-6	do.	do.	do.	5,950	50 50	08-26-49 09-26-49	-- --	-- --	1,920 --	S --	do.	CA. --
127	Navajo Indian Reservation	362504-1085503	12M-19	do.	Head of canyon	Kg	6,200	< 0.1M	09-16-54	20.5	69	--	D,S	Davis and others, 1963	Collection gallery.
128	do.	362435-1085401	12R-67	do.	do.	do.	6,200	0.1	09-16-54	--	--	--	S	do.	Collection gallery.
129	NR050.0695 X1060	362048-1085230	12R-117	do.	Small canyon	Qal	6,200	3R 2 2M	07- -27 09-17-52 09-15-54	-- 15.5 --	-- 60 --	-- 940 --	D,S -- --	Davis and others, 1963; Kister and Hatchett, 1963	Collection gallery. CA. --
130	Navajo Indian Reservation	362248-1090255	--	do.	--	Tc	--	1	09-03-54	--	--	188	--	Comp.	CA.

Table 25.--Physical characteristics of springs in San Juan County--Continued

Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
131	NR048.0440 X0200	362816-1081946	13R-43	BIA	Bed of wash	Kk	6,020	2	05-05-55	11.5	53	3,670	S	Davis and others, 1963; Kister and Hatchett, 1963	CA. Collection gallery.
132	NR048.0325 X0300	362724-1081831	13R-148	do.	Head of canyon	Toa	6,250	0.5R	05-05-55	11.5	53	393	D	do.	CA.
133	NR048.0295 X0390	362637-1081812	13R-84	do.	Bed of wash	Qal	6,170	1	05-05-55	14.5	58	2,650	S	do.	CA. Wash covered with seeps; collection gallery.
134	Navajo Indian Reservation	363207-1083949	12R-88A	do.	Shallow canyon	Kch	5,450	0.1	09-09-54	19.5	67	--	S	Davis and others, 1963	--
135	do.	363148-1084002	12R-88	do.	do.	do.	5,460	< 0.1	09-09-54	19.0	66	--	S	do.	Collection gallery.
136	do.	363159-1084404	12R-85	do.	Bank of wash	Kg	5,580	0.12	09-09-54	21.5	71	2,240	S	Davis and others, 1963; Kister and Hatchett, 1963	Collection gallery.
137	do.	363042-1084416	12R-86	do.	do.	do.	5,580	0.12	09-09-54	17.0	63	--	N	Davis and others, 1963	Collection gallery.
138	NR049.1320 X0030	362945-1084416	12R-81	do.	Bed of wash	do.	5,580	0.1R	09-09-54	24.0	75	1,220	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA. Spring not found in April 1976.
139	Navajo Indian Reservation	362732-1084340	12R-94	do.	do.	Qal	5,560	0.8R	09-07-54	18.0	64	3,030	--	do.	CAR.
								0.144	05-20-76	18.0	64	3,100F	--	*	--
140	do.	363159-1085618	12R-143	do.	Side of cliff	Kg	6,100	0.1	09-16-54	20.5	69	--	S	Davis and others, 1963	Collection gallery.
141	do.	363154-1085723	12R-141	do.	Bottom of canyon	do.	6,260	0.1	09-16-54	20.0	68	--	S	do.	Collection gallery.

Table 25.--Physical characteristics of springs in San Juan County--Continued

Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
142	NR050.0628 X0133	362851-1085147	12M-39	BIA	Broad valley	Kg	6,030	0.5	12-07-54	--	--	1,270	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA.
								0.5	02-01-55	--	--	--	--		--
143	Navajo Indian Reservation	362806-1085437	12R-145A	do.	Shallow canyon	Qal	6,440	6	10-02-54	18.0	64	--	S	Davis and others, 1963	--
144	do.	362724-1090105	12R-66	do.	Mountain-side	Tc	8,300	0.8M	09-16-54	11.5	53	--	D,S	do.	Collection gallery.
145	NR031.087 X147	363214-1082425	13R-103	do.	Bed of wash	Kkm	5,600	2R	06- -24	--	--	--	D,S	Davis and others, 1963; Kister and Hatchett, 1963	--
								1.5	05-10-55	12.0	54	1,460	--	do.	CA. Collection gallery.
								2	03-02-72	--	--	1,510	--	*	CA. TA.
								--	11-06-75	--	--	1,250	--	*	--
146	Navajo Indian Reservation	363151-1082421	13R-104	do.	do.	do.	5,600	--	05-10-55	2.5	--	--	D,S	Davis and others, 1963	Collection gallery.
147	do.	363701-1083416	12K-19	do.	Bank of wash	Kch	5,220	0.2	09-22-54	19.0	66	--	S	do.	Collection gallery.
148	do.	363308-1083136	U-30	do.	Bed of wash	--	5,298	--	05-19-76	--	--	2,190	--	*	--
149	NR032.1045 X1235	363417-1084118	12R-80	do.	Plain	TKi	5,340	3	08-12-49	18.0	64	1,450	D,S	Kister and Hatchett, 1963; Akers and others, 1971	CA. Collection gallery.
150	Navajo Indian Reservation	363606-1085606	12R-57	do.	Bed of wash	Qal	5,690	Dry	09-17-54	--	--	--	S	Davis and others, 1963	Abandoned.

Table 25.--Physical characteristics of springs in San Juan County--Continued

Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
151	NR033.0805 X1118	363518-1085343	12R-59	BIA	Bed of wash	Kg	5,600	3	09-16-54	20.0	68	640	S	Davis and others, 1963; Kister and Hatchett, 1963	CA. Collection gallery.
152	Navajo Indian Reservation	363446-1085516	12R-62	do.	Base of cliff	do.	6,100	0.1	09-16-54	20.5	69	--	S	Davis and others, 1963	Collection gallery.
153	NR033.0710 X1475	363212-1085241	12R-61	do.	Bank of wash	do.	5,740	0.9M	09-16-54	20.5	69	569	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA. Collection gallery. Steady, dependable flow.
154	Navajo Indian Reservation	364107-1083136	Hogback Spring	do.	Canyon in Hogback	Kch	5,100	2	02-09-77	8.0	46	5,000	--	*	Not flowing on August 3, 1977.
155	do.	363913-1083216	12K-21	do.	Bank of wash	do.	5,150	0.8	09-22-54	18.0	64	--	S	Davis and others, 1963	Collection gallery.
156	NR032.1204 X0687	363903-1084302	12R-101 Stinking Springs	do.	do.	Km	5,240	0.2	09-08-54	17.0	63	1,820	S	Davis and others, 1963; Kister and Hatchett, 1963	CA. Collection gallery. "Rotten egg" smell and taste.
								3R	06- -24	--	--	--	S	Davis and others, 1963	--
157	Navajo Indian Reservation	365836-1084306	12R-102	do.	do.	do.	5,240	0.2	09-08-54	17.0	63	--	--	do.	--
158	do.	364118-1084337	12R-78	do.	Plain	do.	5,265	0.2	09-08-54	18.0	64	--	D,S	do.	Collection well.
								--	05-05-76	--	--	1,800	--	*	--
159	do.	364028-1085429	12R-53	do.	Small valley	Kg	5,440	1R	09-23-54	18.0	64	--	S	Davis and others, 1963	Collection gallery.
160	do.	363906-1085711	12R-43 Sand Spring	do.	Bank of wash	Qal	5,510	5R	11- -25	--	--	--	S	do.	Collection gallery.
								0.2	09-28-54	18.5	65	--	S	do.	--

Table 25.--Physical characteristics of springs in San Juan County--Continued

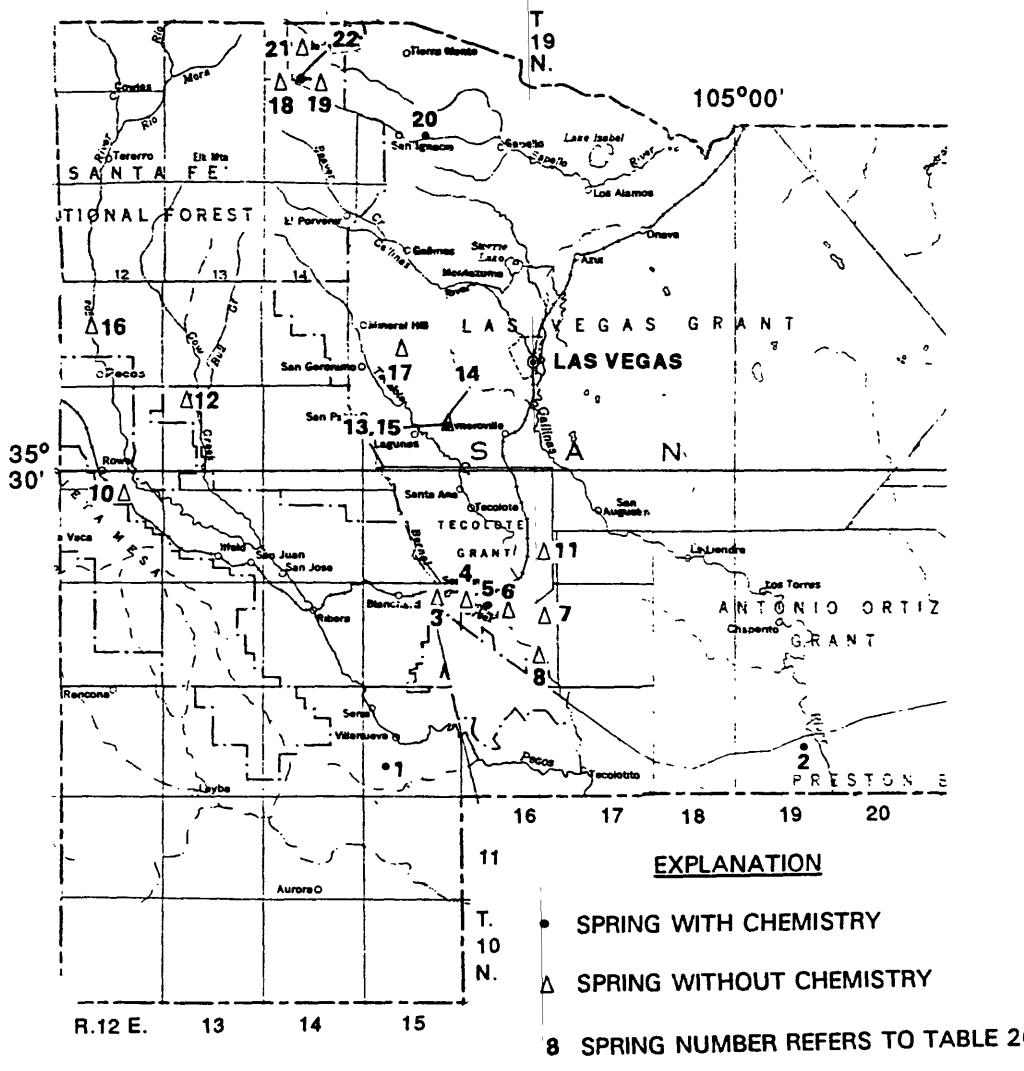
Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
161	Navajo Indian Reservation	363801-1085957	12GS-33-3	BIA	Head of canyon	Jm	6,400	< 1R	09-28-65	--	--	--	D,S	*	--
162	do.	363801-1085937	12GS-33-2	do.	do.	do.	6,420	1R	09-28-65	--	--	--	D,S	*	--
163	do.	363735-1090020	12GS-34-7	do.	Bottom of canyon	Jm, Qal	6,350	2R	09-28-65	--	--	--	D,S	*	--
164	do.	363727-1085930	12GS-33-1	do.	do.	Jm	6,310	0.1	09-28-65	--	--	--	D,S	*	Spring located in rock fracture.
165	do.	363712-1090007	12GS-34-6	do.	Head of canyon	Trw	3,360?	1	09-28-65	--	--	--	D,S	*	--
166	do.	364258-1081822	13T-213A	do.	Bank of river	Qal	5,200	0.5	05-11-55	--	--	--	S	Davis and others, 1963	--
167	NR031.0955 X0085	364416-1082522	13GS-31-1	do.	Hillside	do.	5,120	10	08-26-53	16.5	62	937	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA.
								10R	06-03-55	--	--	--	--	do.	--
168	NR031.0965 X0105	364406-1082528	13T-213	do.	Terrace	Qt, Qal	5,120	18	05-11-55	13.0	55	1,020	D,S,I	do.	CA. Collection gallery.
169	Navajo Indian Reservation	364314-1084553	12R-95A	do.	Bed of wash	Kg	5,220	0.12	09-24-54	19.5	67	--	S	Davis and others, 1963	Collection gallery.
170	do.	364512-1090043	12R-229	do.	Bank of wash	Jm	5,435	0.1	09-22-54	22.0	72	--	D,S	do.	Collection well.
171	do.	364520-1090046	12R-231A	do.	Bed of wash	Qal	5,480	0.1M	09-22-54	18.5	65	--	S	do.	--
172	do.	364248-1090039	12-152	do.	Shallow canyon	Jm	5,320	0.4M	09-29-54	18.0	64	--	D,S	do.	--

Table 25.--Physical characteristics of springs in San Juan County--Continued

Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
173	Navajo Indian Reservation	364208-1090145	12R-227	BIA	Bank of wash	Qal	5,460	15-20R	09-29-54	19.0	66	--	D,S	Davis and others, 1963	--
174	do.	364124-1090204	12-226	do.	Bed of wash	do.	5,430	5	09-29-54	18.5	65	--	S	do.	--
175	NR017.104 X146	364720-1084117	--	do.	--	Km	4,895	100	10-14-60	17.5	63	1,280	--	*	CA. TA.
176	NR017.1095 X152	364649-1084153	--	do.	--	do.	4,925	--	10-13-60	15.0	59	13,600	--	*	Seep; TA.
177	NR018.1185 X1015	365112-1085752	12R-6	do.	Small valley	Kd	5,040	0.1	09-18-54	20.0	68	2,580	S	Davis and others, 1963; Kister and Hatchett, 1963	CA.
178	NR018.1370 X1340	364822-1085952	12GS-18-1	do.	do.	Trw	5,360	0.8	06-29-55	19.0	66	638	D,S	do.	CA.
179	Navajo Indian Reservation	365012-1090115	12R-7	do.	Bank of wash	Jm	5,630	12	09-21-54	16.5	62	--	D,S	Davis and others, 1963	Collection gallery.
180	do.	365025-1090106	12GS-19-3	do.	do.	do.	5,540	0.4	09-21-54	15.5	60	--	D	do.	Collection gallery.
181	do.	364938-1090059	12R-214	do.	Small valley	Trw	5,580	2R	09-21-54	16.5	62	--	D,S	do.	--
182	do.	364623-1090158	12R-10A	do.	Bank of wash	Qal	5,640	0.5	09-21-54	16.5	62	--	D,S	do.	--
183	NR018.1105 X0815	365255-1085659	12R-3	do.	Small valley	Km	4,920	0.12	09-18-54	17.0	63	848	D,S	Davis and others, 1963; Kister and Hatchett, 1963	CA.
184	Navajo Indian Reservation	365125-1085802	12R-4	do.	do.	Kd	5,020	0.5	09-18-54	18.5	65	--	S	Davis and others, 1963	--

Table 25.--Physical characteristics of springs in San Juan County--Concluded

Number in figure 27	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
185	Navajo Indian Reservation	365850-1083539	12R-198	BIA	Head of canyon	Kpl	5,690	0.2	08-18-54	--	--	--	S	Davis and others, 1963	Concrete trough.
186	do.	365853-1083754	12R-195	do.	do.	do.	5,880	0.1M	01-18-54	--	--	--	S	do.	Concrete cistern and trough.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EXPLANATION
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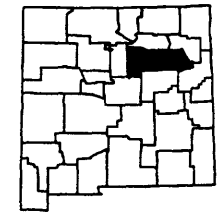
8 SPRING NUMBER REFERS TO TABLE 26



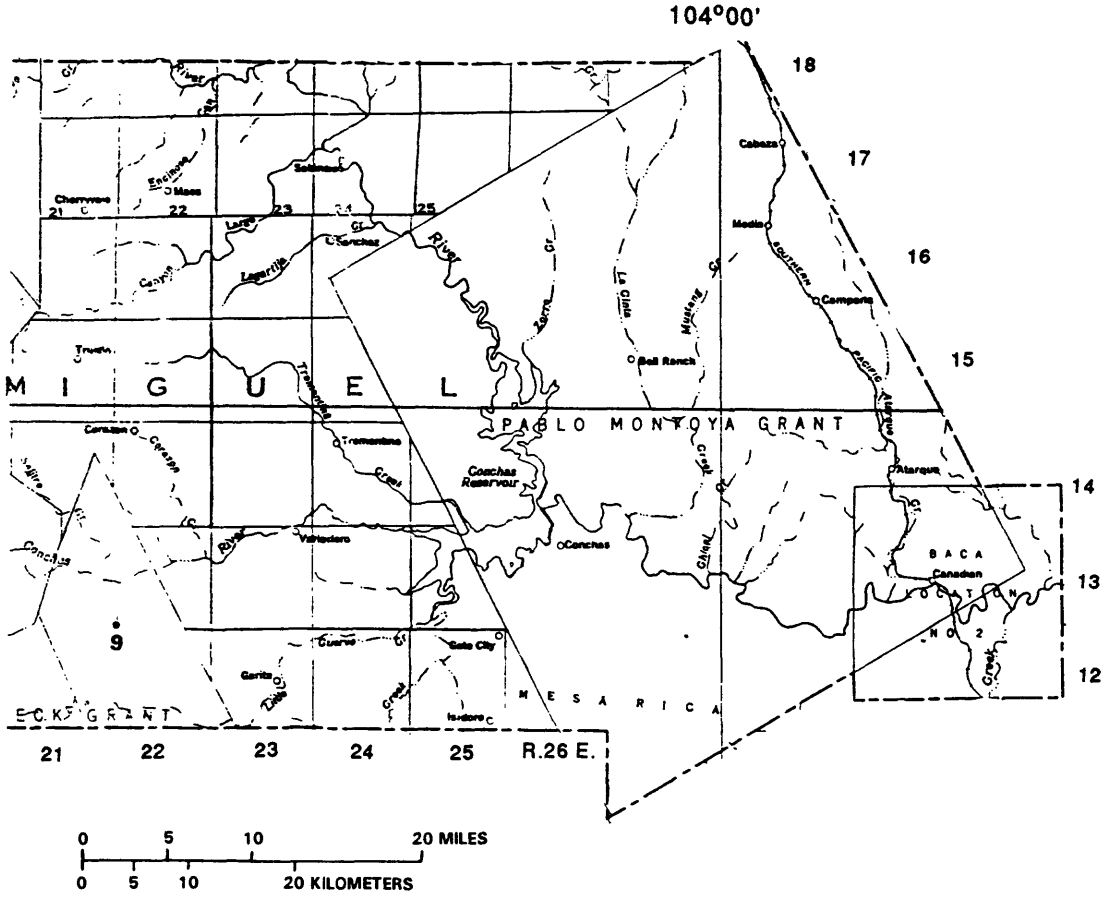


Figure 28.--Location of inventoried springs in San Miguel County.

Table 26.--Physical characteristics of springs in San Miguel County

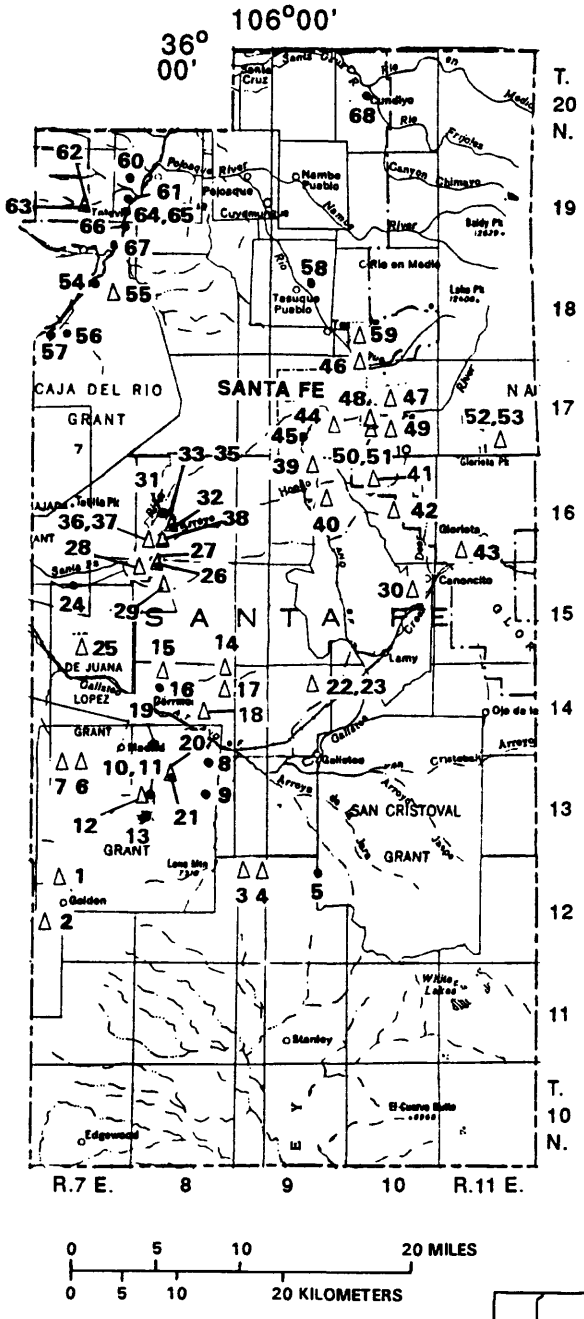
Number in figure 28	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
1	12N.14E.20.313	351457-1052901	Los Diegos	Gonzales Ranch	Cañon de los Diegos	Pg	6,430	5	08-08-47	--	--	433	D,S	Griggs and Hendrickson, 1951	CA. Two openings.
2	12N.19E.16.000	351545-1045548	Park Springs	H.A. Thomson	Valley	Psa	5,130	5-10	05-22-47	--	--	944	D,S,I	do.	CA. Anton Chico and Preston Beck Grant. Single opening is enclosed in a small house.
3	13N.15E.2.100	--	--	--	Hillslope	IPm	--	5	--	--	--	--	I	do.	--
4	13N.16E.6.400	--	La Ojita	--	Tres Hermanos Creek	Psa	--	3	--	--	--	--	D	do.	Two openings.
5	13N.16E.8.100	352218-1051535	Lagunita Springs	--	do.	do.	5,840	40	09-04-47	--	--	607	I	do.	CA. Tecolote Grant; probably misnamed as Los Chupaderas. Fifteen openings. Approximately 3/4 mile west of Lagunita.
6	13N.16E.9.200	352214-1051435	--	--	Toe of hillslope	do.	5,700	6	--	--	--	--	I	do.	Tecolote Grant. Two openings. Directly east of Lagunita, north side of Tecolote Creek.
7	13N.16E.12.214	--	Apache Springs	--	Base of Mesa Apache	Trc	5,940	3-5	--	--	--	--	D,S,I	do.	Reported as 13N.17E.17.000. Six openings.
8	13N.16E.26.222	--	Aurupa Springs	--	Base of cuesta	Trs	5,560	5-8	--	--	--	--	D,S,I	do.	Reported as 13N.16E.23.400. Two openings.
9	13N.21E.25.400	351854-1043930	Cabra Springs	W.R. Thompson	Cabra Creek	do.	4,818	8	05-24-47	--	--	1,100	D,S,I	do.	CA. Preston Beck Grant. Spring house over single opening.

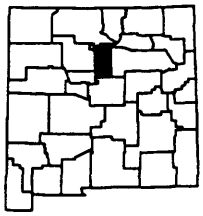
Table 26.--Physical characteristics of springs in San Miguel County--Continued

Number in figure 28	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
10	14N.12E.3.200	--	Pajarita Spring	--	Mesa slope	IPm	--	3	--	--	--	--	D,S	Griggs and Hendrickson, 1951	Los Trigos Grant. One opening.
11	14N.16E.25.100	--	Los Montoyas	--	Edge of mesa	Trc	--	2-3	--	--	--	--	D,S	do.	Tecolote Grant. Two openings.
12	15N.13E.5.100	--	--	J. Rodriguez	Small canyon	IPm	--	150	--	--	--	--	I	do.	--
13	15N.15E.12.200	353245-1051758	Ojito Frio No. 1	Walter Young	West fork of ephemeral creek above Ojitos Frios Ranch	do.	6,770	15	--	--	--	525	D,I	do.	CA. Las Vegas Grant. Latitude and longitude approximated; two openings.
14	15N.15E.12.200	353240-1051750	Ojito Frio No. 2	do.	East fork of ephemeral creek above Ojitos Frios Ranch	do.	6,760	4	06-27-47	--	--	--	S,I	do.	Las Vegas Grant. Latitude and longitude approximsted; one opening.
15	15N.15E.12.300	353225-1051820	--	James C. Ellis	Cañada del Caba Lucero	do.	6,650	10	06-27-47	--	--	499	I	do.	CA. Las Vegas Grant. Latitude and longitude approximated; one opening.
16	16N.12E.16.300	--	Lisboa Springs	State of New Mexico	Pecos River valley	do.	7,045	400(?)	--	--	--	--	--	do.	Alexander Valle Grant. Supplies fish hatchery.
17	Las Vegas Grant	353640-1052035	--	--	Arroyo	Qal	7,530	--	--	--	--	--	--	Mercer and Lappala, 1972	--
18	18N.14E.3.100	--	Blue Spring	H.A. Mosiman	Sapello River valley	IPm	--	150	--	--	--	--	--	Griggs and Hendrickson, 1951	--
19	18N.14E.5.200	--	--	do.	do.	do.	--	4	--	--	--	--	D	do.	Spring house.

Table 26.--Physical characteristics of springs in San Miguel County--Concluded

Number in figure 28	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
20	18N.15E.23.200	354625-1051813	--	Arcado Leger	Sapello River valley	IPm	7,150	50	06-13-47	--	--	388	--	Griggs and Hendrickson 1951	CA. Las Vegas Grant. Latitude and longitude approximated.
21	19N.14E.18.400	--	--	Hilton Lodge	Daily Creek valley	do.	--	100	--	--	--	--	D	do.	Mora Grant. Reportedly improved with a reservoir.
22	19N.14E.33.300	354907-1052833	Refrigeration Springs	H.A. Mosiman	Sapello River valley	do.	--	12	06-20-47	--	--	306	--	do.	CA. Mora Grant. Cooling tank.





EXPLANATION

- • SPRING WITH CHEMISTRY
- Δ SPRING WITHOUT CHEMISTRY
- 5 SPRING NUMBER REFERS TO TABLE 27

Figure 29.--Location of inventoried springs in Santa Fe County.

Table 27.—Physical characteristics of springs in Santa Fe County

Number in figure 29	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature °C	Temperature °F	Specific conductance (microsiemens)	Use	Reference	Remarks
1	12N.7E.8.233		Tuerto Spring	—	North bank of Arroyo Tuerto	Tr	6,500	5	11-25-75	8.5	47	1,920-1,980	—	Summers, 1976	Ortiz Mine Grant.
2	12N.7E.19.334		—	—	Arroyo	Qal	6,250	—	3-6-73	7.5	46	650	N	*	San Pedro Grant; old domestic supply; no longer used.
3	12N.9E.5.342		—	McKee Ranch	do.	Qab	6,550	<1	6-18-76	12.5	54	500	S	*	Always flows.
4	12N.9E.6.314			do.	do.	do.	6,600	<1	6-6-75	—		540	S	*	Collection gallery.
5	12N.9E.11.000		Arroyo Puertocito Spring	—	—	Km	6,172(?)	1	3- -69	6.5	44	3,200		Summers, 1969	CAR.
6	13N.7E.4.411		—	—	Arroyo	Qal	6,315	—	5-20-75	—	—	2,400	S	*	Mesita de Juana Lopez Grant; white precipitate found near spring.
7	13N.7E.5.444		Indian Spring	William P. Riede	do.	do.	6,340	VS	5-8-75	20.0	68	825	S	*	Mesita de Juana Lopez Grant; white precipitate found near spring.
8	13N.8E.2.243		Hillside Spring	—	Hillside	QTg	6,000	VS	11-15-75	13.5	56	4,520	S	Summers, 1976	CAR; Ortiz Mine Grant.
9	13N.8E.14.322		Peach Spring	—	Head of arroyo	do.	6,180	1.4	11-12-75	12.0	54	626	—	do.	CAR; Ortiz Mine Grant; spring is encased in wooden box and flow is piped to storage tank.

Table 27.—Physical characteristics of springs in Santa Fe County—Continued

Number in figure 29	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
10	13N.8E.17.334		Upper Universal Spring	—	Arroyo	Tv	6,610	VS	11-14-75	3.6	38	690	—	Summers, 1976	CAR; Ortiz Mine Grant.
11	13N.8E.17.341		Lower Universal Spring	—	Arroyo bank	do.	6,595	VS	11-14-75	—	—	—	—	do.	CAR; Ortiz Mine Grant.
12	13N.8E.18.344		Deer Spring	—	Dolores Gulch, west fork	do.	6,690	NV	11-13-75	7.0	45	2,350	—	do.	Ortiz Mine Grant; excavated entrapment basin.
13	13N.8E.19.124		Dolores Spring	—	Dolores Ranch	do.	6,770	VS	11-14-75	10.0	50	870	D, S	do.	CAR; Ortiz Mine Grant; dug out and piped to cistern for ranch headquarters.
14	14N.8E.2.132		Coyote Spring	—	Arroyo Coyote	QTa	6,070	5	7-31-73	22.0	72	430	N	*	
15	14N.8E.4.222		Chicken Ranch Spring	C.P. Slane	—	QTb	6,100	3.5	8-10-51	—	—	—	D, S	Summers, 1976, and *	Reported dependable flow and fair water quality; dug out and piped to cistern.
16	14N.8E.9.243	352752-1060534	Cerrillos Reservoir Spring	Miss Carmen Arceo	San Marcos Arroyo	Qal	5,880	210	1-6-65	—	—	554	P	Dinwiddie and others, 1966a, and Summers, 1976	CA; reported as 14N.8E.9.412 by Summers. Public supply for Cerrillos; equipped with small concrete catchment structure.
			—	O.E. Shelton				100	7-27-77	14.0	57	600	P	*	CA; TA; sample taken at seepage below dam at reservoir.

Table 27.—Physical characteristics of springs in Santa Fe County—Continued

Number in figure 29	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature °C	Temperature °F	Specific conductance (microsiemens)	Use	Reference	Remarks
17	14N.8E.11.131		San Marcos Spring	Brown	Arroyo	QTa	6,000	2	7-16-73	23.0	73	505	S	Summers, 1976, and *	Spring reportedly never goes dry and is of good quality.
18	14N.8E.15.411		—	T.A. McHugh	Next to State Road 14	Tg	5,920	—	8-1-73	24.0	75	670	D	do.	Spring reportedly never goes dry and is of good quality.
19	14N.8E.32.214		Oak Spring	—	—	do.	6,030	1.9R	11-13-75	11.0	52	945	—	Summers, 1976	CAR; Ortiz Mine Grant.
20	14N.8E.33.244		Coyote Spring	—	—	do.	5,960	NV	11-13-75	13.0	55	490	—	do.	Ortiz Mine Grant.
21	14N.8E.33.422		Cottonwood Spring	—	—	do.	5,960	2.6 R	11-13-75	12.0	54	689	—	do.	CAR; Ortiz Mine Grant.
22	14N.9E.11.142		Galisteo Spring	Thornton Ranch	Near saddle between hills	do.	6,312	2	7-23-73	27.5	81	300	S	*	Piped 30 feet to stock tank.
23	14N.9E.11.342		Ojo Abajenos	—	Hillside	Qal	6,612	5	6-20-73	19.0	66	1,650	S	*	
24	15N.7E.9.223	353250-1061153	—	—	Base of south wall of Cañada de Santa Fe	—	5,700	—	5-6-74	12.5	54	705	P	*	CA; La Bajada Grant. La Bajada public supply; piped from collection gallery to 8,000-gallon tank.
25	15N.7E.33.120		—	E. Cummins	Arroyo	Km	5,800	5	6-13-75	—	—	8,000	N	*	Seep area with white precipitate.

Table 27.—Physical characteristics of springs in Santa Fe County—Continued

Number in figure 29	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
26	15N.8E.5.114	353343-1060722	—	Cienega School	Small valley	QTa	6,030	<1	8-1-51	18	64.5	305	P	Spiegel and Baldwin, 1963	CA; emerges at contact of Ancha Formation on Galisteo Formation.
			—	Josephine Rael	—			1	4-25-75	13	55	270	D, P	*	Piped to several houses.
27	15N.8E.5.121		—	do.	Hillside	do.	6,000	1	4-25-75	13	55	270	D, P	*	Dug out and piped to tank serving several houses.
28	15N.8E.6.413		Arroyo de los Possos	Ricardo C' de Baca, Sr.	do.	do.	5,990	15-20	4-17-75	—	—	400	D, S	*	Supplies six residences.
29	15N.8E.9.343		—	R.M. Jarrett	Bonanza Creek	do.	6,120	VS	5-14-53	—	—	—	S, I	Spiegel and Baldwin, 1963, and *	SHC 1895 (Land Grant); large seep area downstream.
30	15N.10E.11.333		—	Eldorado at Santa Fe (?)	Arroyo	pC	7,080	10-20	12-18-74	1.5	35	875	S		Bishop John Lamy Grant.
31	16N.8E.20.312	353605-1060717	Ciene-guilla Spring	Community of Ciene-guilla	Santa Fe River bed	QTa	6,120	300-500	10-10-51	—	—	258	I, D, S	do.	CA; Cieneguilla Grant. Emerges near contact of Ancha Formation on Espinaso Formation. Dependable; little fluctuation in flow.
								360	3-19-53	—	—	258			

Table 27.—Physical characteristics of springs in Santa Fe County—Continued

Number in figure 29	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
32	16N.8E.28.241	353526-1060541	Cienega Spring	Community of Cienega	Interfluve between arroyos	QTa	6,118	50	10-10-51	—	—	230	I, D, S	Spiegel and Baldwin, 1963	CA; emerges near contact of Ancha Formation on Cieneguilla limburgite (of Sterns, 1953b); diverted for irrigation downstream.
33	16N.8E.28.321		—	—	Near arroyo	do.	6,125	10	5-31-73	15.5	60	325		*	
34	16N.8E.28.323		—	—	do.	do.	6,110	2-5	5-14-53	—	—	—	D, S	Spiegel and Baldwin, 1963, and *	Emerges above contact of Ancha Formation on Cieneguilla limburgite; reportedly never dry.
35	16N.8E.28.332		—	Deolinda Baca	Gently sloping hillside	do.	6,110	50	5-31-73	12.0	54	280	D, S	*	
36	16N.8E.32.224		—	—	Hillside	do.	6,090	5	7-4-51	—	—	—	S, I	*	
37	16N.8E.32.232		—	—	do.	do.	6,110	20	5-30-73	19.5	67	235	N	*	
38	16N.8E.33.111		—	Community of Cienega	Hillside	do.	6,095	5-10	5-14-53	—	—	—	S	*	Reportedly never dry.
39	16N.9E.3.114		Siringo Spring	City of Santa Fe	Arroyo	do.	6,720	—	8-4-51	—	—	—	—	Spiegel and Baldwin, 1963	Nearly dry on date of visit, August 4, 1951.

Table 27.—Physical characteristics of springs in Santa Fe County—Continued

Number in figure 29	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
40	16N.9E.13.224		—	J. Whittaker	Arroyo Hondo	pЄ	6,990	25-30	No date	—	—	—	—	Spiegel and Baldwin, 1963	Sebastian de Vargas Grant; emerges from jointed granite below base of Tertiary sediments.
			—	Henry P. McKinley	—	Tg	—	25-30	9-12-73	22.0	72	480	D, S	*	Equipped with electrial pump to supply three houses.
41	16N.10E.9.432		—	Hamilton	Arroyo Hondo	Qal	7,540	—	7-19-74	—	—	—	N	*	Condemned by Public Health Service.
			—												
42	16N.10E.22.332		—	Ike Martinez	Small canyon	pЄ	7,700	—	10-1-74	10.0	50	360	S, D	*	Dug out; open to contamination.
43	16N.11E.32.342		—	Sabino Gonzales	Hillside	—	7,168	—	10-31-73	—	—	3,600	D	*	Gravity flow by pipes to three houses.
44	17N.9E.24.142		Court House Spring	U.S. Court House	City	Qal	6,989	5	7-3-51	—	—	—	N	*	Santa Fe City Grant; reportedly never dry in 45 years; dug out and drained to sewer.
45	17N.9E.28.412	345020-1055915	Ciene-guita Spring	—	Santa Fe River bed	QTt	6,710	NV	7-1-51	—	—	—	I	Spiegel and Baldwin, 1963	Reported as 17N.9E.28.422; no flow in July 1951; former flow reported as 448 gpm.
								2	1-15-53	—	—	370	—	*	CA.
								—	6-7-74	—	—	305	N	*	
46	17N.10E.5.211		—	E.S. Bauer	Hillside above Tesuque Creek	pЄ	7,180	10-20	3-14-53	—	—	—	D, I	*	Juan de Gabaldon Grant; reportedly never dry; reservoir built, water piped to vineyard.

Table 27.—Physical characteristics of springs in Santa Fe County—Continued

Number in figure 29	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
47	17N.10E.16.2224		—	—	—	pC	7,940	—	8-20-74	—	—	—	—	*	Ephemeral; not flowing when visited.
48	17N.10E.20.431		—	J. Breese	Santa Fe River	IPm	7,276	<1	7-11-51	—	—	—	I	Spiegel and Baldwin, 1963	Santa Fe City Grant; discharges into adjacent irrigation ditch.
49	17N.10E.28.314		—	USFS	Arroyo Mora	pC	7,758	5-10	8-11-51	—	—	—	S	do.	Talaya Hill Grant.
50	17N.10E.29.232		—	—	Arroyo bottom	do.	7,370	2-5	8-11-51	—	—	—	S	do.	Santa Fe City Grant; rocks in vicinity of spring are highly jointed.
51	17N.10E.29.312		—	L. Rodriguez	Arroyo Mora	do.	7,298	0.25	7-17-51	—	—	—	D	*	Santa Fe City Grant; variable discharge; never dry, but little flow during droughts.
52	17N.11E.34.323		—	—	Canyon bottom	do.	8,596	20	6-30-75	11.0	52	180	N	*	
53	17N.11E.34.324		—	—	do.	do.	8,560	2	6-30-75	13.0	55	240	N	*	
54	Caja del Rio Grant	345833-1061045	—	—	White Rock Canyon, south side of Rio Grande	QTsf	5,500	31	6-21-63	—	—	622	N	Trainer, 1978	CA.

Table 27.—Physical characteristics of springs in Santa Fe County—Continued

Number in figure 29	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature °C	Temperature °F	Specific conductance (microsiemens)	Use	Reference	Remarks
55	18N.7E.12.244		Cañoncito Spring	Soil Conservation Service	Caja del Rio Canyon	QTt	5,700	10	2-13-52	—	—	—	S	Spiegel and Baldwin, 1963	Caja del Rio Grant; 100 feet of seeps; emerges above basalt dike crossing canyon.
56	18N.7E.29.113	354559-1061339	—	—	White Rock Canyon	QTb	—	—	6-21-63			128	—	*	CA; Caja del Rio Grant; 100 feet of seeps along east bank of Rio Grande.
							5,370	170	8-27-64	21.0	70	—	N	*	
57	18N.7E.30.224	354557-1061350	—	—	do.	do.	5,370	—	6-21-63	21.0	70	160	N	*	CA; Caja del Rio Grant.
								70	8-27-64	20.0	69				
58	18N.9E.24.344	354608-1055618	Mitchell Ditch	Tesuque Pueblo	Bank of Rio Tesuque	Qal	6,660	150	11-2-51	12.0	54	434	I	*	CA; infiltration gallery 4-6 feet deep and 1,200 feet long.
59	18N.10E.32.211		—	E.S. Bauer	Arroyo	pЄ	7,180	10-20	no date	—	—	—	I, D	Spiegel and Baldwin, 1963	Juan de Gabaldon Grant; emerges from jointed rocks below contact of Tesuque Formation.
60	19N.7E.12.411		Sacred Spring	San Ildefonso Pueblo	Hillslope	QTt	5,640	NV	11-5-63	—	—	—	—	Purtyman, 1966	CAR.
								1	9-1-64	15.0	59	—	—		
61	19N.7E.13.112		Indian Spring	do.	Toe of hillslope	do.		NV	11-5-63	—	—	—	—	Purtyman, 1966	CAR.
							5,640	<1	9-1-64	16.5	62	—	S	*	Watering trough; water piped from spring gallery.

Table 27.—Physical characteristics of springs in Santa Fe County—Continued

Number in figure 29	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
62	19N.7E.22.114		Los Alamos Spring	San Ildefonso Pueblo	Los Alamos Canyon bottom	QTb	5,970	0.25	9-1-64	10.5	51	—	N	*	
63	19N.7E.22.131	355158-1061142	Basalt Spring	do.	South wall, Los Alamos Canyon	do.	6,000	3	9-1-64	11.0	52	—	N	*	
								—	9-23-65	11.0	52	292		*	CA.
64	19N.7E.24.222		La Mesita Spring	do.	Toe of northwest slope of La Mesita	QTt	5,580	<1	10-21-64	15.0	59	—	—	Purtyman, 1966	CAR.
65	19N.7E.24.334	355126-1060920	—	do.	White Rock Canyon, west side	do.	5,615	4.5	6-21-63	—	—	205	N	*	CA; flow does not reach river.
								<1	8-25-64	18.0	64	—	—	Purtyman, 1966	
									10-20-70	—	—	229	—	do.	CA.
66	19N.7E.25.111	355121-1060931	—	—	White Rock Canyon, east side	do.	5,600	<1	6-21-63	—	—	316	—	*	CA; Ramon Vigil Grant.
								NV	8-25-64	16.5	62	—	—	Purtyman, 1966	CAR.
								<1	10-20-70	—	—	294	N	*	CA.
67	19N.7E.35.121		Sandia Spring	—	Canyon floor	do.	5,640	NV	11-11-63	—	—	—	—	Purtyman, 1966	CAR; Ramon Vigil Grant.

Table 27.—Physical characteristics of springs in Santa Fe County—Concluded

Number in figure 29	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
68	20N.10E.17.444	355726-1055340	—	Cundiyo Mutual Domestic Water Consumers Association	Floor of Rio Frijoles	pC	6,620	—	4-13-74	8.5	47	150	D, P		CA; Santo Domingo de Cundiyo Grant; collection-box infiltration gallery is equipped with an electric centrifugal pump; spring supplies 18 families.

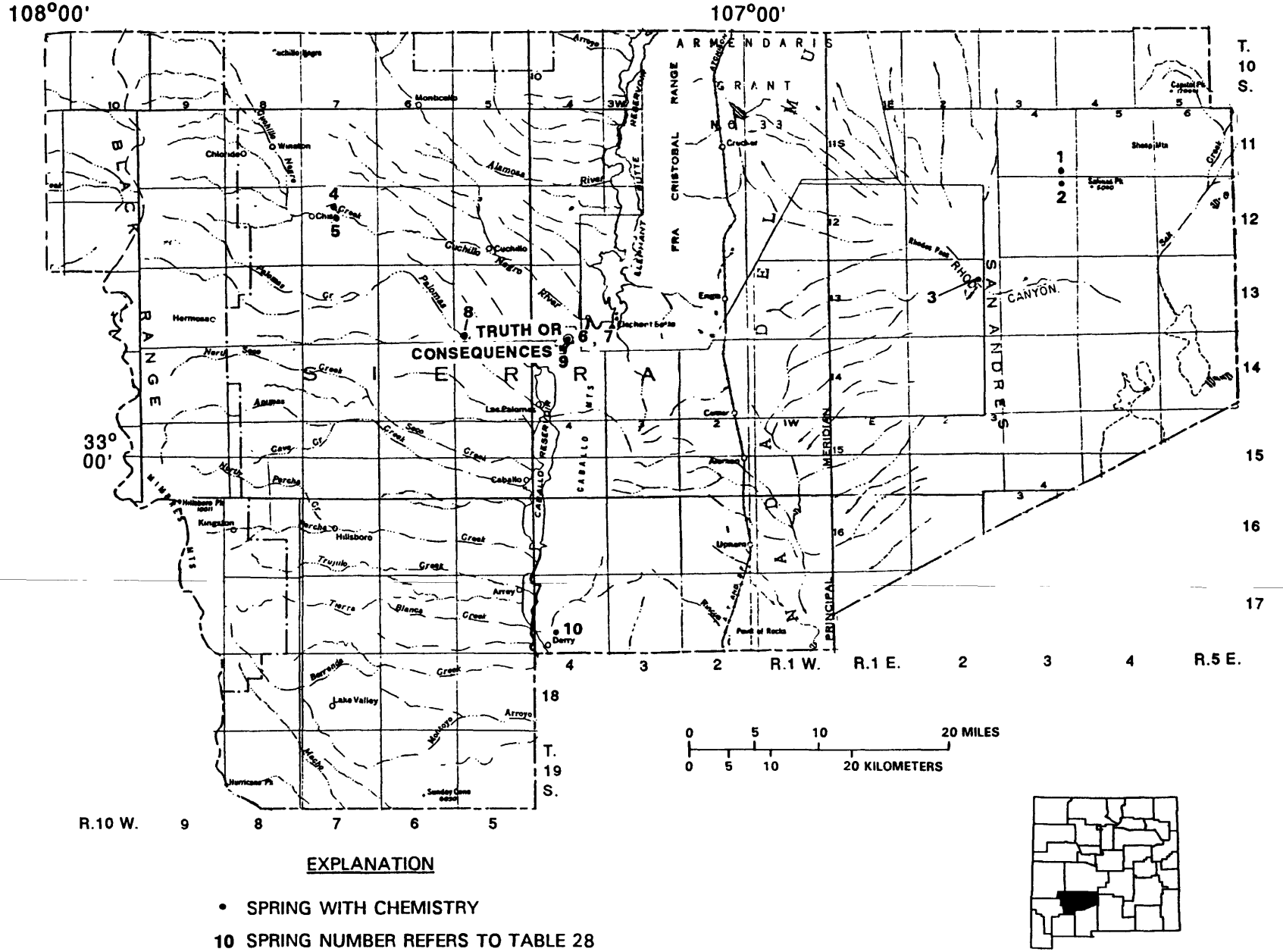


Figure 30.--Location of inventoried springs in Sierra County.

Table 28.--Physical characteristics of springs in Sierra County

Number in figure 30	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
1	11S.4E.35.233	331918-1063440	Brady Spring	--	Canyon floor	--	6,000	--	08-31-60	--	--	1,820	--	Davis and Busch, 1965	CA. Formerly developed spring.
2	12S.4E.2.141	331840-1063449	Grape-vine Spring	R. Tucker	Headwater Canyon	IPm	6,060	1 1	07-11-55 08-31-60	-- --	-- --	-- 1,090	-- --	Davis and Busch, 1965; Weir, 1965	-- CA. Formerly used for domestic and stock.
3	13S.2E.12.311	331130-1064143	Rhodes Spring	--	Rhodes Canyon	Pa	5,970	0.25	11-15-56	14.0	57	1,670	N	do.	CA.
4	12S.7W.9.413	331645-1073348	Warm Spring	--	Bottom of canyon, Cuchillo Negro Creek	--	5,514	--	04- -40	30.0	85.6	--	--	Murray, 1959	CA. TA.
5	12S.7W.16.221	331550-1073421	--	--	Left bank, Cuchillo Creek, Montoya Canyon	--	5,610	0.2	06-10-58	--	--	2,240	--	*	CA.
6	13S.4W.33.433	330746-1071518	State Spring	City of T. or C.	--	IPm	4,260	--	02-09-39	37.0-39.5	94-103	--	C	Theis and others, 1942	CA. TA.
7	13S.4W.33.434	330748-1071509	Govern-ment Spring	U.S. Government	--	do.	4,260	--	02-09-39	39.5-41.0	103-106	--	C	do.	CA. TA.
8	13S.5W.31.143	330812-1072345	--	Doolittle	Flood plain of Palomas Creek	Tsf	4,659	--	06-12-58	--	--	669	I	*	CA. Sample collected at end of aqueduct, ½ mile below spring.

Table 28.--Physical characteristics of springs in Sierra County--Concluded

Number in figure 30	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
9	14S.4W.4.412	330740-1071511	Ponce de Leon Spring	Yucca Lodge	City of T. or C.	Qal	4,240	0.5	07-12-54	--	--	4,420	C	*	CA.
								--	04-15-58	40.0	104	4,460	C	*	CA.
								--	08-13-62	41.5	107	4,480	C	*	CA.
								--	12-04-74	40.0	104	4,500	C	*	CA. TA.
10	17S.4W.29.343	324743-1071637	Derry Warm Spring	--	Base of bluff at east edge of Rio Grande flood plain	IPm	4,120	--	04-17-47	34.0	93	1,650	N	*	--
								5-10	03-07-52	34.0	93	1,660	N	*	CA.
								10-15	04-30-47	34.0	93	1,660	N	*	Spring area. Sulphur smell.
								--	12-04-74	34.0	93	1,660	N	*	CA. TA.

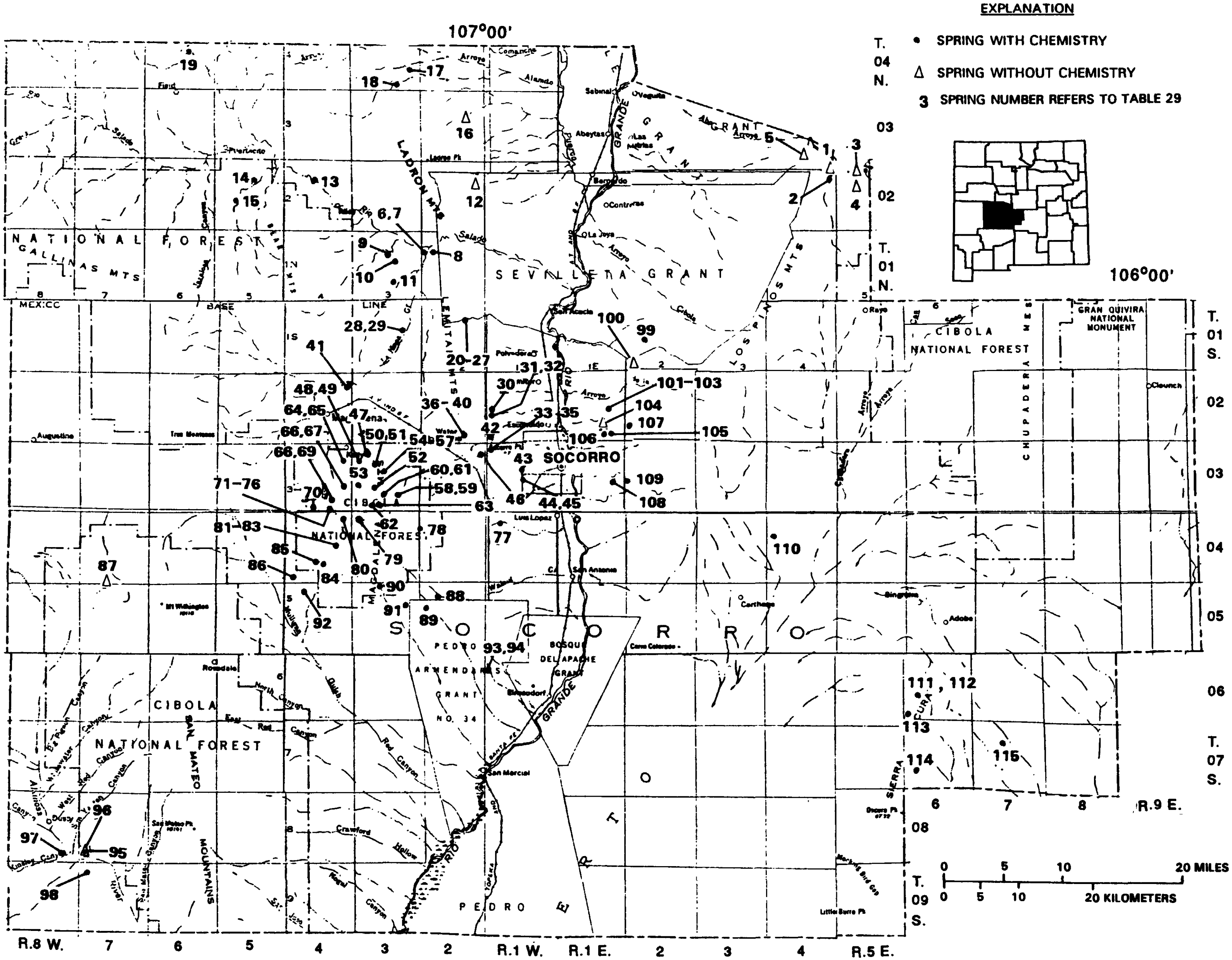


Figure 31.--Location of inventoried springs in Socorro County.

Table 29.--Physical characteristics of springs in Socorro County

Number in figure 31	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
1	2N.4E.1.430	342515-1072836	--	West-Pyle Cattle Company	Arroyo wall	IPm	5,750	5	08-30-49	--	--	--	--	Spiegel, 1955	Large water use by salt cedars.
2	2N.4E.12.210	342458-1062833	Dripping Springs	R.E. Miller	Head of canyon	do.	5,773	--	08-22-49	17.0	63	1,440	D	*	CA.
								0.75M	08-26-49	--	--	--	--	Spiegel, 1955	CAR. Small flow reported since 1945.
3	2N.5E.4.110	342552-1062556	Abo Spring	--	Floor of Abo Arroyo	Pa	5,755	10-15	01- -50	--	--	--	--	do.	Sulfate taste.
4	2N.5E.9.440	342432-1062518	Vega Spring	R.B. Laing	Narrow arroyo bottom	do.	5,895	--	--	--	--	--	--	do.	Probably mapped as Indian Springs, 2N.5E.9.414.
5	3N.4E.33.440	342607-1063120	Blue Springs	West-Pyle Cattle Company	Small arroyo in mountain front	pC	5,575	--	08-22-49	--	--	--	--	do.	Sevilleta Grant.
6	1N.2W.7.132	341940-1070535	--	Campbell Farming Corporation	--	IP	5,200	500	11-30-49	21.0	70	5,020	N	do.	CAR. Reported as 1N.2E.7.100. Source of perennial flow of Rio Salado. Owner's name may be incorrectly reported.
								148	10-29-61	--	--	4,760	--	*	CA.
7	1N.2W.7.131	341940-1070530	--	Gray and Ligon Ranch	Channel	IP(?)	5,200	15-20	03-14-63	21.0	70	4,610	S	Hall, 1963	CAR. Seeps in channel. Probably artesian flow from Pennsylvanian limestone.
8	1N.2W.8.121	341953-1070448	--	do.	Riverbank	Qal(?)	5,160	4	03-14-63	16.0	61	1,000	S	do.	CAR. Seep.
9	1N.3W.7.342	341923-1071138	Carbon Springs	--	Arroyo bottom	QTs	5,720	≈1	06-14-62	19.5	67	527	S	do.	CAR. May be controlled by dike.

Table 29.--Physical characteristics of springs in Socorro County--Continued

Number in figure 31	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
10	1N.3W.8.441	341918-1071005	Baca Spring	Spears Ranch	Arroyo bottom	Tb or Td	6,200	S	06-14-62	--	--	715	S,D	Hall, 1963	CAR. Near contact of Baca and Datil Formations. May be controlled by dike.
11	1N.3W.27.444	341634-1070757	--	Gray and Ligon Ranch	Arroyo edge	Qal	5,620	--	--	6.0	43	536	S,D	do.	CAR. Shaft sunk into spring.
12	2N.2W.12.110	342510-1070023	Yeso Springs	--	Arroyo	Tp	--	1	08-10-49	--	--	--	--	Spiegel, 1955	Sevilleta Grant.
13	2N.4W.9.141	342450-1071556	Riley Spring	--	--	--	--	10	10-22-61	--	--	1,130	--	*	CA.
14	2N.5W.10.444	342423-1072027	--	--	--	--	--	5	10-14-61	--	--	1,260	--	*	CA.
15	2N.5W.21.322	342258-1072207	--	--	--	--	--	10	10-14-61	--	--	745	--	*	CA.
16	3N.2W.14.420	342855-1070041	--	Lopez	Shallow arroyo bottom	Qal	5,244	--	05- -49	--	--	--	--	Spiegel, 1955	Belen Grant.
17	4N.3W.25.334	343209-1070654	Coyote Springs	--	Arroyo floor	do.	--	100	01-05-50	16.0	61	5,200	--	Hood and Kister, 1962	CA. Spiegel, 1955, reported this spring with no name as 4N.3W.25.334. Spiegel also reported that the water is salty, and flow is absorbed ½ mile downstream.
18	4N.3W.35.211	343152-1070730	--	--	--	--	--	12	01-05-50	6.5	44	5,110	--	*	CA.
19	4N.6W.15.400	343412-1062615	--	--	--	--	--	2	08-04-53	--	--	781	--	*	CA.

Table 29.--Physical characteristics of springs in Socorro County--Continued

Number in figure 31	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Altitude: Source	Altitude: (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
20	1S.2W.11.123	341431-1070115	--	--	Arroyo bottom	Qal or Td	5,520	--	03-21-63	9.5	49	744	S	Hall, 1963	CAR. Sevilleta Grant. Dried up by April 25, 1963.
21	1S.2W.11.133a	341420-1070130	--	--	do.	--	5,500	1	04-08-63	16.0	61	586	S	*	CA. Sevilleta Grant. Spring issues from orifice in volcanic breccia.
								S	04-25-63	14.0	57	574	--	Hall, 1963	CAR. Surrounded by seeps in arroyo bottom.
22	1S.2W.11.133b	341420-1070130	--	--	do.	Qal or Td	5,500	S	04-18-63	--	--	526	S	do.	CAR. Sevilleta Grant. May be controlled by sedimentary bed.
23	1S.2W.11.133c	341420-1070130	--	--	do.	do.	5,500	S	04-18-63	--	--	535	S	do.	CAR. Sevilleta Grant. May be controlled by sedimentary bed.
24	1S.2W.11.133d	341420-1070130	--	--	do.	do.	5,500	S	04-18-63	--	--	530	S	do.	CAR. Sevilleta Grant. May be controlled by sedimentary bed.
25	1S.2W.11.144	341420-1070111	San Lorenzo Spring	--	do.	do.	5,480	>10	03-21-63	14.0	57	612	S	do.	CAR. Sevilleta Spring Grant. Forced to surface by volcanic rocks.
26	1S.2W.11.422	341412-1070033	--	--	do.	do.	5,360	--	01-18-50	--	--	633	--	*	CA.
								≈10	03-28-63	14.0	57	613	S	Hall, 1963	CAR. Sevilleta Grant. Forced to surface by volcanic rocks.

Table 29.--Physical characteristics of springs in Socorro County--Continued

Number in figure 31	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
27	1S.2W.12.141	341427-1070015	--	--	Small side arroyo	Td	5,280	--	01-18-50	--	--	756	--	*	CA.
								2	03-04-63	--	--	789	S	Hall, 1963	CAR. Sevilleta Grant. Spring located in faulted or intruded zone.
28	1S.3W.14.241	341332-1070705	La Jencia Creek	Badger Cattle Company	Arroyo bottom	Qal or QTs	5,680	15	07-24-60	--	--	360	S	*	CA. Hall, 1963, reported underflow coming to surface.
29	1S.3W.14.431	341307-1070718	do.	do.	do.	do.	5,680	>2	07-26-62	25.0	77	474	S	Hall, 1963	CAR. Hall, 1963, reported underflow coming to surface.
30	2S.1W.19.431	340702-1065854	Ojitos Springs	J.B. Kelly	--	Td(?)	5,300	≈10	1952	--	--	--	S	do.	CAR. Reported as 2S.1W.19.400, appendix C.
31	2S.1W.30.441	340609-1065839	--	do.	Arroyo bottom	Qal or Td(?)	5,130	4	05-03-62	13.0	55	746	S	do.	CAR.
32	2S.1W.30.443	340606-1065839	--	do.	do.	do.	5,140	≈1	05-03-62	19.0	66	727	S	do.	CAR.
33	2S.1W.31.122	340557-1065906	--	do.	Hillside above arroyo	do.	5,240	2	05-03-63	14.0	57	566	S	do.	CAR.
34	2S.1W.31.142	340547-1065907	--	do.	do.	do.	5,260	1	05-03-62	13.0	55	591	S	do.	CAR.
35	2S.1W.31.314	340523-1065920	--	do.	Arroyo bottom	do.	5,350	2	05-03-62	16.0	61	505	S	do.	CAR.
36	2S.2W.35.322	340530-1070107	Snake Ranch Spring	Pete Strozzi	do.	--	5,680	NV	05-10-62	16.0	61	392	S	do.	CAR. Ponded area.
37	2S.1W.35.323	340525-1070117	do.	do.	do.	do.	5,680	NV	06-25-60	--	--	371	S	do.	CAR. Ponded area.

Table 29.--Physical characteristics of springs in Socorro County--Continued

Number in figure 31	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
38	2S.1W.35.324	340525-1070113	Snake Ranch Spring	Pete Strozzi	Arroyo bottom	QTs	5,650	≈ 2	05-10-62	16.0	61	414	S	Hall, 1963	CAR.
								--	04-10-65	14.0	57	370	--	*	CA.
39	2S.1W.35.333	340510-1070130	--	--	--	--	--	0.5E	06-25-60	--	--	578	--	*	CA.
40	2S.1W.35.342	340525-1070115	--	--	--	--	--	1.5	06-25-60	--	--	353	--	*	CA.
41	2S.4W.1.431	340940-1071211	Bird Spring	--	--	--	6,120	2	06-05-70	19.5	67	360	--	Summers and others, 1972	CAR. Reported as 2S.4W.1.432.
42	3S.1W.6.331	340425-1065923	Domingo Spring	Pete Strozzi	Arroyo bottom	Td (?)	5,800	NV	05-10-62	18.0	64	437	S	Hall, 1963	CAR. Spring located on the side of Socorro Mountain.
43	3S.1W.15.313	340252-1065616	Cook Gallery	City of Socorro	Hillside	do.	4,900	10-15	03-20-58	--	--	393	I	do.	CA. TA. Adit dug to intercept water.
								>1	03-23-62	--	--	412	--	do.	CAR.
								--	09-24-64	21.0	70	391	--	*	CA. TA.
44	3S.1W.22.113	340225-1065618	Socorro Gallery	do.	do.	do.	4,960	--	02-17-36	--	--	340	P	Hall, 1963	CAR. Shaft and adit dug to water; spring located in fault.
								353	01-24-57	32.0	90	348	--	do.	CA. TA. RA.
								220	03-20-58	31.5	89	362	--	do.	CA. TA.
								--	12-12-61	32.5	91	--	--	do.	CAR.
								--	04-10-65	33.5	92	346	--	*	CA.
								450	05-07-65	--	--	--	--	Dinwiddie and others, 1966a	Reported altitude 4,980. Equipped with 35,000-gallon concrete catchment box.
								--	--	--	--	--	--	Holmes, 1963	RAR.

Table 29.--Physical characteristics of springs in Socorro County--Continued

Number in figure 31	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
45	3S.1W.22.131	340218-1065620	Sedillo (or Evergreen) Spring	City of Socorro	Hillside	Td (?)	5,000(?)	240	03-20-58	32.0	90	318	P,I	Hall, 1963	CAR. Extensively developed.
								--	12-12-61	31.0	88	--	--	do.	CAR.
								170	01-22-64	32.0	90	352	--	*	CA.
								100	05-07-65	--	--	349	--	Dinwiddie and others, 1966a	CAR. Equipped with 1,100-gallon catchment box.
46	3S.2W.1.323	340430-1070016	--	--	--	--	--	--	06-25-60	--	--	371	--	*	CA.
47	3S.3W.5.342	340430-1071028	--	--	--	--	7,780	--	--	11.0	52	780(F)	--	Summers and others, 1972	CAR. Reported as 3S.3W.5.413.
48	3S.3W.7.313	340342-1071200	--	--	--	--	--	44	07-01-62	--	--	426	--	*	CA.
49	3S.3W.7.342	340334-1071140	--	--	--	IP	8,080	0.25	07-01-62	--	--	534	S	*	CA. Hall, 1963, reported spring issues at fault contact of limestone and volcanics.
50	3S.3W.9.333	340325-1070953	--	--	--	--	7,520	11.2M	05-28-70	11.5	53	600(F)	--	Summers and others, 1972	CAR. Reported as 3S.3W.9.341.
51	3S.3W.9.420	340415-1070903	--	--	--	--	7,280	13.5M	05-28-70	14.0	57	700(F)	--	do.	CAR.
52	3S.3W.10.311	340353-1070851	Garcia Canyon	Pete Strozzi	Arroyo bottom	IP	7,080	>2	07-26-62	17.0	63	705	S	Hall, 1963	CAR. Controlled by limestone bed crossing arroyo.
53	3S.3W.19.132	340212-1071150	--	D. Hutchison	--	Td	8,280	2M	05-28-70	19.0	66	620	S	Summers and others, 1972	CAR.
								NV	06-30-62	--	--	534	D,S	Hall, 1963	CA. Pool in tunnel.

Table 29.--Physical characteristics of springs in Socorro County--Continued

Number in figure 31	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
54	3S.3W.20.421	340210-1071007	Spring 66-5	--	N. Fork Water Canyon	Qal	7,780E	2	04-16-66	12.0	54	641	S	*	CA. Reported as 3S.3W.20.422.
55	3S.3W.21.132	340221-1071046	--	--	--	--	7,740	5	05-26-70	12.5	54	680	--	Summers and others, 1972	CAR.
56	3S.3W.21.344	340144-1070932	Spring 66-4	--	Dark Canyon	--	7,280	7	04-16-66	8.5	47	367	--	*	CA.
								20.2M	05-25-70	11.0	52	420	--	Summers and others, 1972	CAR.
57	3S.3W.21.442	340149-1070901	--	--	--	--	7,160	44.9M	05-25-70	11.0	52	350	--	do.	CAR.
58	3S.3W.26.111	340137-1070749	--	Cibola National Forest	N. Fork Water Canyon	Qal or Tp(?)	6,800	>40	05-10-62	18.0	64	440	S	Hall, 1963	CAR.
59	3S.3W.26.113	340126-1070751	--	do.	Water Canyon	Qal or Td (?)	6,800	20-30	05-10-62	23.0	73	358	S	do.	CAR.
60	3S.3W.27.212	340134-1070815	Spring 66-7	do.	N. Fork Water Canyon	Qal or Tp(?)	7,000	S	02-08-63	9.0	48	632	S	do.	CAR. Area of permanent flow.
								10	04-16-66	11.0	52	637	S	*	CA.
61	3S.3W.27.441	340058-1070804	Spring 66-3	do.	Water Canyon	Qal	6,980	7.5	04-16-66	9.0	48	439	S	*	CA. TA.
62	3S.3W.33.442	340006-1070901	Spring 66-1	do.	Canyon	do.	7,760	7	04-16-66	8.0	46	354	S	*	CA. TA.
63	3S.3W.34.332	340005-1070844	--	do.	Water Canyon	Qal or Td (?)	7,600	5	02-08-63	7.0	45	430	S	Hall, 1963	CAR. Area of permanent flow.
64	3S.4W.12.132	340402-1071245	--	--	--	--	--	2	06-30-62	--	--	348	--	*	CA.
65	3S.4W.12.311	340348-1071300	--	D. Hutchison	--	Td (?)	7,275	0.01	06-30-62	--	--	402	--	Hall, 1963	CA.

Table 29.--Physical characteristics of springs in Socorro County--Continued

Number in figure 31	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (micro-siemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
66	3S.4W.24.241	340215-1071210	Magdalena municipal water shed	--	--	--	8,000	20	06-12-70	20.0	68	230	--	Summer and others, 1972	CAR.
67	3S.4W.24.242	340215-1071205	--	D. Hutchison	Arroyo bottom	Qal(?)	8,020	5	06-30-62	--	--	285	D,S	Hall, 1963	CA.
68	3S.4W.26.233	340114-1071324	Rock Springs	Cibola National Forest	Hillside	Td (?)	7,600	S	05-23-63	--	--	193	D,S	do.	CAR.
69	3S.4W.26.241	340127-1071312	--	--	--	--	7,900	1	06-09-70	12.5	54	190	--	Summers and others, 1972	CAR.
70	3S.4W.33.421	340014-1071514	Texas Spring	--	--	--	7,550	4.5M	05-31-70	19.0	66	150	--	do.	CAR
71	3S.4W.35.200	340025-1071326	--	--	--	--	8,165	18M	05-31-70	10.0	50	120	--	do.	CAR.
72	3S.4W.36.134	340020-1071248	--	--	--	--	8,285	1.5M	05-31-70	11.0	52	120	--	do.	CAR.
73	3S.4W.36.200	340035-1071202	--	Frank Maher	--	--	8,800	4M	05-31-70	9.0	48	170	--	do.	CAR
74	3S.4W.36.200	340035-1071202	--	do.	--	--	8,780	3.2M	05-31-70	19.0	66	180	--	do.	CAR.
75	3S.4W.36.224	340035-1071202	--	do.	--	--	8,720	3.2M	05-31-70	10.5	51	130	--	do.	CAR.
76	3S.4W.36.242	340030-1071201	Mill Canyon	Cibola National Forest	Hillside	Td (?)	8,760	>1	05-23-63	--	--	206	D	Hall, 1963	CAR.

Table 29.--Physical characteristics of springs in Socorro County--Continued

Number in figure 31	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Altitude: Source	Altitude: (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
77	4S.1W.5.211	335951-1065750	Chupadera Spring	Sedillo	Hillside	Tp (?)	5,200	S	05-17-62	17.0	63	1,872	S	Hall, 1963	CAR.
78	4S.2W.7.211	335900-1070515	Box Spring	Cibola National Forest	Arroyo bottom	Td (?)	6,790	S	02-08-63	8.0	46	219	S	do.	CAR. Dried up by June 17, 1963.
79	4S.3W.6.442	335909-1071057	Baldy Spring	do.	--	do.	9,920	--	--	--	--	159	D,S	do.	CAR. Reported as 4S.3W.5.331.
								--	06-08-65	10.0	50	163	--	*	CA.
80	4S.4W.1.441	335843-1071214	--	Mule Shoe Ranch	--	--	8,600	20	06-16-70	14.0	57	90	--	Summers and others, 1972	CAR. Reported as 4S.4W.1.332.
81	4S.4W.11.121	335856-1071315	--	Cibola National Forest	Arroyo bottom	Td (?)	--	3	06-06-63	--	--	115	D,S	Hall, 1963	CAR.
82	4S.4W.13.213	335759-1071225	Hardy Springs	do.	Hillside	Td	8,075	>3	06-04-63	12.0	54	255	S	do.	CAR. Issues from talus pile.
								10	06-28-70	14.0	57	260	--	Summers and others, 1972	CAR.
83	4S.4W.14.112	335807-1071354	Buttercup Springs	Mule Shoe Ranch	do.	Td (?)	7,385	0.05M	06-06-63	--	--	288	S	Hall, 1963	CAR.
								1	06-16-70	25.0	77	320	--	Summers and others, 1972	CAR.
84	4S.4W.27.122	335624-1071439	--	do.	Arroyo bottom	QTg or QTr	6,915	0.25M	06-06-63	--	--	313	S	Hall, 1963	CAR.
85	4S.4W.28.430	335536-1071528	--	Weston Ranch	Hillside	Td	--	0.17M	06-04-63	--	--	382	S	do.	CAR.
86	4S.4W.31.234	335505-1071736	Alameda Spring	do.	Tributary arroyo bottom	QTg or QTr	6,465	≈ 2	06-04-63	--	--	334	S	do.	CAR.

Table 29.--Physical characteristics of springs in Socorro County--Continued

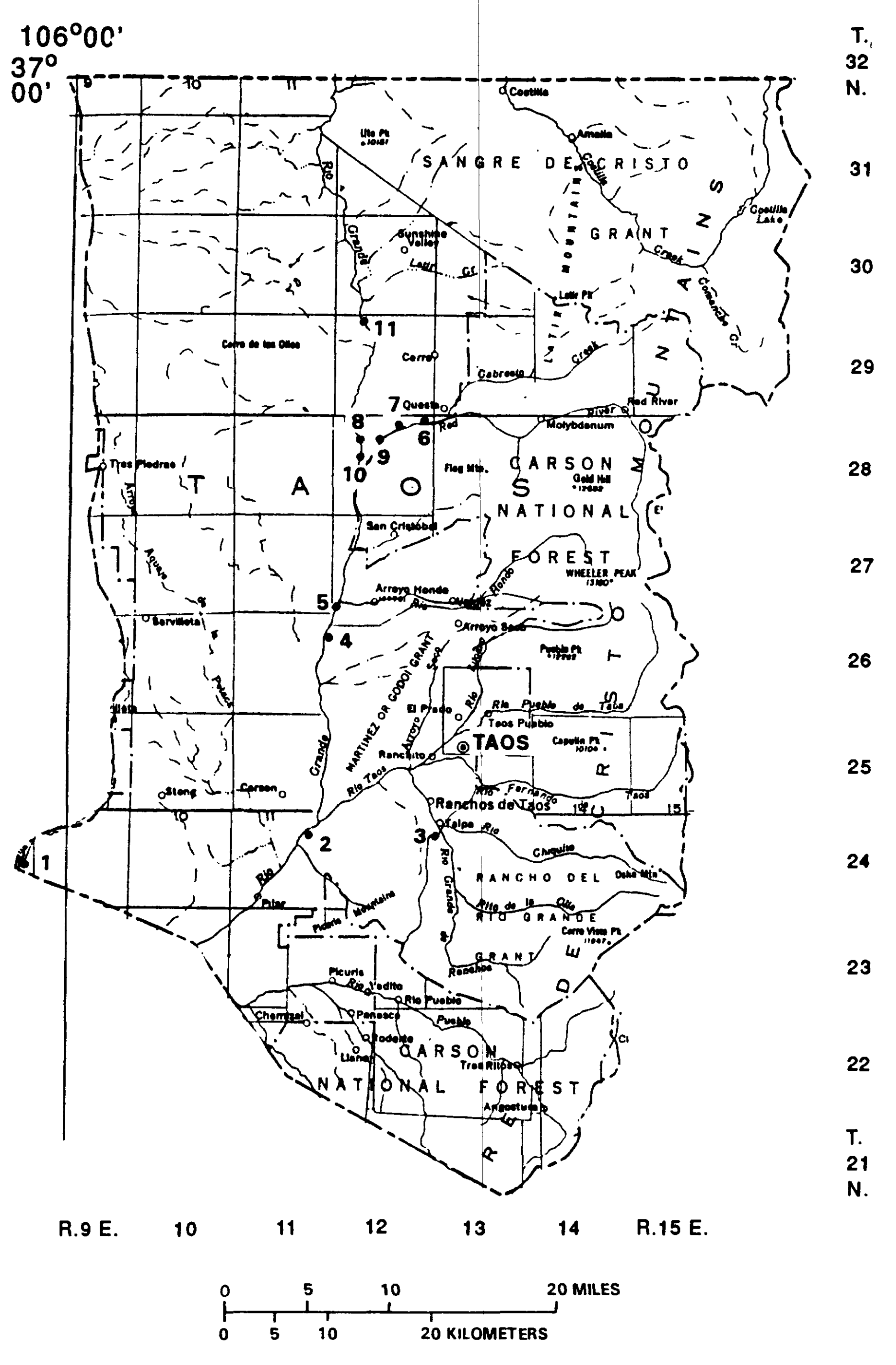
Number in figure 31	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
87	4S.7W.32.114	--	--	USFS	Valley floor	--	7,777	0.5	05-07-80	19.0	66	130F	S	*	--
88	5S.2W.8.322	335320-1070347	Torreon Spring	Bianchi-Strozzi-Gianera	Slight rise between two arroyos	QTs or Qtsv	6,030	>10	05-17-62	18.5	65	210	S	Hall, 1963	CAR. Reported as 5S.2W.8.230. Spring located at fault contact between sediments and volcanics.
89	5S.2W.18.140	335234-1070518	Cinega Spring	Diamond A Ranch	Arroyo bottom	QTs	6,030	3	05-17-62	20.5	69	215	S	do.	CAR. Pedro Armendaris Grant #34. Spring located in fault zone.
90	5S.3W.4.231	335427-1070925	Saw Mill Spring	--	--	--	6,590	10	06-19-70	15.0	59	210	S	Summers and others, 1972	CAR.
91	5S.3W.14.444	335220-1070701	Burro Spring	Burnis Ranch	Arroyo bottom	QTs or Qtsv	6,130	S	06-11-63	--	--	417	S	Hall, 1963	CAR. Spring located at contact of sediments and volcanics. Pond.
92	5S.4W.5.320	335405-1071649	--	Western Ranch	Hillside	Td	--	1.5	06-11-63	--	--	348	D,S	do.	CAR. Sample collected at overflow of stock tank.
93	6S.1W.6.420	334853-1065835	--	Diamond A Ranch	On top of streambank	Td (?)	--	--	--	--	--	246	S	do.	CAR. Pedro Armendaris Grant #34. Spring probably controlled by fault.
94	6S.1W.6.440	334843-1065840	--	do.	Hillside	Td	--	25	06-18-63	21.0	70	244	S	do.	CAR. Pedro Armendaris Grant #34. Spring may be located in fault zone.
95	8S.7W.31.241	333155-1073535	Ojo Caliente	--	Small tributary canyon	QTg(?)	6,250	2,000	12-13-63	28.0	82	899	I	*	CA. TA.
								700	12-13-78	27.0	81	870	--	*	CA. TA. RA.
96	8S.8W.35.222	333444-1073736	--	Charles Sullivan	Valley bottom	--	6,260	0.5	04-18-29	14.5	58	450F	--	*	Collection gallery. Spring reportedly flows all year.

Table 29.--Physical characteristics of springs in Socorro County--Continued

Number in figure 31	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Altitude: Source	Altitude: (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
97	9S.4W.3.421	333325-1071342	--	--	Canyon	--	--	--	03-28-80	11.5	53	360	--	*	CA.
98	9S.7W.6.423	333322-1073535	Alum Spring	Sullivan	Hillside	Td	6,416	0.25	04-18-79	16.0	61	900F	--	*	CA.
99	1S.2E.20.240	341242-1064523	--	Campbell Farming Corporation	do.	Pa(?)	5,215	3	02-23-50	--	--	562	--	Davis and Busch, 1965	CA. Sevilleta Grant.
100	1S.2E.31.112	341113-1064643	--	do.	Foot of alluvial fan	Qal(?)	5,100	0.25	02-23-50	--	--	--	--	Spiegel, 1955	Sevilleta Grant. Salty alkali water.
101	2S.1E.14.132	340821-1064850	--	--	Arroyo bottom	Qal or Td	4,900	>1	03-19-63	--	--	2,480	S	Hall, 1963	CAR. Lowermost spring area downstream from Ojo de la Parida.
102	2S.1E.14.142	340822-1064836	--	--	do.	do.	5,000	>2	03-15-63	--	--	2,320	S	do.	CAR.
103	2S.1E.14.221	340833-1064809	--	--	do.	Qal or Tr	5,030	20	06-06-60	--	--	2,080	S	do.	CA. May be near fault contact. Original Ojo de la Parida is dry.
								--	09-17-60	--	--	2,260	--	*	CA.
								VS	06-06-62	18.5	65	2,040	--	Hall, 1963	CAR.
								>2	03-15-63	--	--	2,050	--	do.	CAR.
104	2S.1E.22.422	340704-1064904	Ojo del Coyote	--	Hillside	Pg or Td	5,010	--	06-06-62	--	--	4,120	S	do.	At contact of Glorieta Sandstone and Datil Formation
105	2S.1E.26.121	340644-1061843	Chupadera (Old Chavez) Spring	--	Small arroyo bottom	Pa	4,910	--	06-06-60	--	--	1,740	D,S	*	CA.
								0.75	06-06-62	17.0	63	1,790	S	Hall, 1963	CAR. Reported as 2S.1E.26.100. Controlled by sandstone bed.

Table 29.--Physical characteristics of springs in Socorro County--Concluded

Number in figure 31	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
106	2S.1E.27.243	340629-1064910	Ojo de Amado	--	Arroyo bottom	IP or Td	4,900	--	04-24-36	--	--	876	S	Hall, 1963	CAR. Reported as 2S.1E.27.200. At contact of Pennsylvanian limestone and Datil Formation. Pool.
								--	06-06-60	--	--	1,310	--	*	CA.
								NV	06-06-62	17.5	64	1,410	--	Hall, 1963	CAR.
107	2S.2E.30.234	340113-1064612	Ojo del Rancho de Lopez	--	do.	Pa(?)	5,210	--	06-06-62	--	--	710	S	do.	CAR. Controlled by limestone bed.
108	3S.1E.24.444	340145-1064700	--	--	Tributary arroyo bottom	Qal	5,020	≈ 2	03-15-63	16	61	2,660	S	do.	CAR. In or near a fault zone.
109	3S.2E.19.323	340155-1064641	Ojo de las Canas	--	Arroyo bottom	Py	5,040	>2	06-13-62	--	--	3,030	S	do.	CAR. Controlled by sandstone bed.
								≈ 10	03-15-63	--	--	2,800	--	do.	CAR.
110	4S.4E.07.143	335838-1063403	Prairie Spring	--	--	--	--	--	05-28-50	--	--	3,050	--	*	CA.
111	6S.6E.20.412	334700-1062025	Deer Spring	H. Bursum	--	--	--	2	03-04-55	3.5	38	625	--	Weir, 1965	CA.
112	6S.6E.20.441	334646-1062018	Rabbit Spring	do.	--	--	--	4	03-04-55	5.5	42	570	--	do.	CA.
113	6S.6E.31.223	334533-1062125	Council Spring	do.	--	--	--	--	03-02-55	7.0	45	650	--	do.	CA.
114	7S.6E.29.414	334046-1062035	Dripping Springs	A. Helm	--	--	--	2	03-30-55	9.5	49	451	--	*	CA.
115	7S.7E.15.442	334104-1061158	Red Canyon Spring	Alamogordo Bombing Range	--	Pa	5,520	--	02-25-54	--	--	3,300	--	McLean, 1970	CA. Spring issues from fractures.
								2.5	06-21-55	24	75	3,030	--	do.	CA.



EXPLANATION

• SPRING WITH CHEMISTRY

2 SPRING NUMBER REFERS TO

TABLE 30

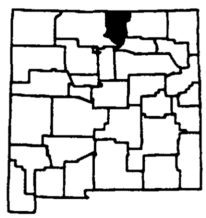


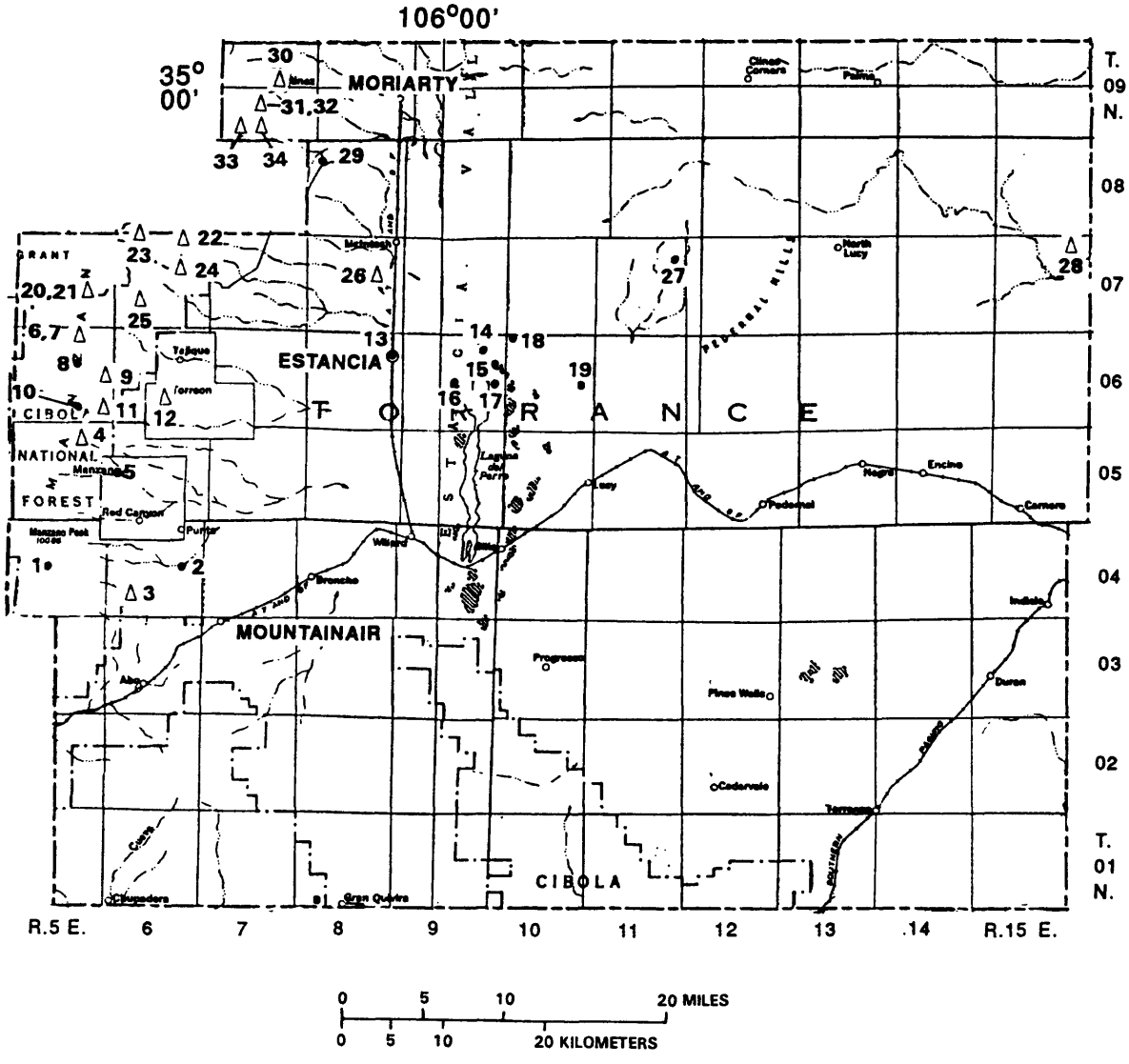
Figure 32.--Location of inventoried springs in Taos County.

Table 30.--Physical characteristics of springs in Taos County

Number in figure 32	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
1	24N.8E.24.110	361816-1060308	Iron Spring	--	West side of Rio Ojo Caliente	--	6,220	--	1892	--	--	--	--	Clark, 1893	CA. Ojo Caliente Grant.
									12-03-74	40.0	104		PC	*	CA. TA.
2	24N.11E.421	361956-1054422	Rio Grande Spring	--	Left bank, Cañon del Rio Grande	QTb	6,270	--	07-23-76	17.0	63	380	--	*	CA. Gijosa Grant.
3	Rancho del Rio Grande Grant	361925-1053620	Ponce de Leon Spring	--	Base of mountain front	p€	7,280	--	12-03-74	32.0	90	786	--	*	CA. TA.
4	26N.11E.1.120	363030-1054325	Manby Hot Springs	--	Base of gorge wall	QTb	6,470	--	07-21-67	38.0	100	736	--	*	CA. TA. Projected location; Antonio Martinez or Godoi Grant.
								--	12-03-74	34.0	93	794	--	*	CA. TA.
5	27N.12E.31.311	363151-1054242	Warm Spring	--	Right bank, Cañon del Rio Grande	do.	6,475	--	07-22-76	37.0	99	760	--	*	CA.
6	28N.12E.1.133	364130-1053718	Embargo Spring	Fish Hatchery	Red River	QTp(?)	--	--	03-09-66	8.5	47	412	--	*	CA. TA.
7	28N.12E.3.441	364112-1053840	Lower Spring	do.	do.	do.	--	--	03-09-66	17.0	63	228	--	*	CA. TA.
8	28N.12E.8.142	364043-1054111	Big Arsenic Springs	--	Base of east wall of gorge	QTb	6,780	--	No date	--	--	--	--	Winograd, 1959	Water is potable and has been used many years by fishermen.
								--	05-14-69	18.0	64	222	--	*	CA. TA.

Table 30.--Physical characteristics of springs in Taos County--Concluded

Number in figure 32	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (microsiemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
9	28N.12E.9.243	364036-1053944	--	--	North bank of Red River	QTp(?)	--	--	03-10-66	16.5	62	218	--	*	CA. TA.
10	28N.12E.17.211	364105-1054105	Little Arsenic Springs		Canyon wall	--	6,860	--	09-06-79	14.5	58	220	--	*	CA. Spring issues from basalt, 150 to 200 feet above the Rio Grande.
11	29N.12E.5.444	364618-1054034	--	--	Rio Grande Canyon	QTb	7,200	--	08-21-55	--	--	265	--	*	CA.



EXPLANATION

- • SPRING WITH CHEMISTRY
- Δ SPRING WITHOUT CHEMISTRY
- 2 SPRING NUMBER REFERS TO TABLE 31

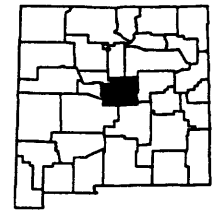


Figure 33.--Location of inventoried springs in Torrance County.

Table 31.--Physical characteristics of springs in Torrance County

Number in figure 33	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
1	4N.5E.16.331	343403-1062558	Pine Shadow Spring	Cibola National Forest	Hillside	IPm	7,240	3	03-28-50	--	--	--	--	Spiegel, 1955	CA. Reported as 4N.5E.16.332.
2	4N.6E.14.300	343405-1061725	--	Mrs. Pine	--	Trc	--	1-2	03-26-54	--	--	1,700	--	*	CA.
3	4N.6E.29.444	343215-1061945	--	--	Arroyo floor	Pa	6,720	1	01-24-50	--	--	--	A	Smith, 1957	Rock enclosed; water piped to tank.
4	5N.5E.10.313	344017-1062435	New Canyon Spring	Cibola National Forest	Base of mountain	Qal	7,780	6	11-08-49	--	--	--	--	do.	Rock enclosed at campground.
5	Manzano Grant	345845-1062046	--	--	--	IPm	6,910	--	06-12-73	11.5	53	590	--	*	CA. TA.
6	6N.5E.2.124	344650-1062316	Big Spring	Cibola National Forest	Valley floor	do.	7,740	1	11-18-49	--	--	--	--	Smith, 1957	Campground.
7	6N.5E.2.134	344639-1062331	--	do.	do.	do.	7,820	1	11-18-49	--	--	--	A	do.	--
8	6N.5E.11.114	344650-1062333	--	do.	--	do.	7,960	0.66M	10-25-64	9.0	48	460	--	*	CA.
9	6N.5E.24.224	344427-1062140	--	do.	Arroyo bank	do.	7,190	2	12-07-49	--	--	--	D,S	Smith, 1957	--
10	Cibola National Forest	344159-1062404	--	do.	--	do.	9,200	--	06-05-75	6.5	44	151	--	*	CA. TA. Capilla Campground.
11	6N.5E.36.221	344244-1062142	--	do.	Arroyo floor	do.	7,200	1	12-07-49	--	--	--	D,S	Smith, 1957	Rock enclosed.
12	6N.6E.27.100	344325-1061804	Torreon Spring	--	do.	do.	--	--	--	--	--	--	D	do.	Town of Torreon Grant. Water pumped to reservoirs.

Table 31.--Physical characteristics of springs in Torrance County--Continued

Number in figure 33	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
13	6N.8E.11.442	344523-1060345	Estancia Spring	Town of Estancia	Valley flat	Qal	6,118	--	08-17-50	--	--	484	--	Smith, 1957	CA. Reported as 6N.8E.11.442. Rock and concrete enclosed.
14	6N.9E.11.411	344538-1055745	--	--	Playa	Qab	6,081	--	06-22-67	20.0	68	33,300	--	*	CA.
15	6N.9E.13.134	344450-1055707	--	--	do.	do.	6,095	--	06-22-67	21.5	71	7,840	--	*	CA.
16	6N.9E.21.124	344410-1060002	--	--	do.	do.	6,075	--	06-22-67	23.0	73	112,000	--	*	CA.
17	6N.9E.24.333	344304-1055715	--	--	Laguna del Perro	do.	6,040	--	06-22-67	21.5	71	137,000	--	*	CA.
18	6N.10E.6.331	344608-1055606	--	--	Playa	do.	6,080	--	06-22-67	30.0	86	187,000	--	*	CA.
19	6N.10E.24.332	344354-1055032	--	--	Valley flat	do.	6,110	--	06-22-67	26.0	79	20,500	--	*	CA.
20	7N.5E.35.232	344734-1062258	Fourth of July Spring	Cibola National Forest	Fault in canyon floor	IPm, Qal	7,630	--	10-25-63	--	--	--	P	*	Picnic ground.
21	7N.5E.35.422	344722-1062243	Fourth of July Spring (Lower)	do.	do.	do.	7,540	1	11-18-49	--	--	--	P	Smith, 1957	--
22	7N.6E.2.410	345141-1061646	--	--	Valley	do.	7,200	--	10-02-63	--	--	--	S	*	Chilili Grant. Feeds perennial streamflow.
23	7N.6E.5.322	345147-1062009	Ojo los Casa	--	Valley side	IPm	7,605	NV	10-02-63	--	--	--	S	*	Chilili Grant.

Table 31.--Physical characteristics of springs in Torrance County--Concluded

Number in figure 33	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
24	7N.6E.11.133	345100-1061724	Deer Spring	--	Head of canyon	IPm	7,210	<0.5	11-13-63	--	--	--	--	*	Chilili Grant.
25	7N.6E.29.120	344843-1062010	Riley Ranch Spring	Riley Ranch	Valley floor, perched	do.	--	NV	11-14-63	--	--	--	--	*	Reported location 7N.6E.29.213. Smith, 1957, reported spring dry in 1948.
26	7N.8E.14.410	344955-1060408	Antelope Springs	Antelope Spring Co.	Hillside	Qal	6,150	20	09-01-50	--	--	--	C,S	Smith, 1957	Reported as 7N.8E.23.410; spring house.
27	7N.12E.11.411	345054-1053758	--	Marvin Henser	Mountain base	pC	6,955	--	07-12-50	--	--	250	D,S	do.	CA. Reported as 7N.12E.11.322. Deepened and concrete lined; hand-lift pump.
28	7N.15E.2.100	--	--	Bigbee Ranch	--	Tr	--	0.5R	07-12-50	--	--	--	S	do.	--
29	8N.8E.6.442	345636-1060802	Buffalo Springs	Russ Thompson	Fault in valley floor	IPm	6,360	2-7 --	10-03-63 01-05-66	-- 13.5	-- 56	-- 500	D,S	*	CA. Reported never dry.
30	9N.7E.21.341	345905-1061210	--	Ballinger	Valley	do.	6,740	1-5	10-16-63	--	--	--	S	*	Numerous springs and seeps upstream for more than 3 miles.
31	9N.7E.29.214	345846-1061248	--	--	--	do.	6,800	10	10-16-63	--	--	--	S	*	--
32	9N.7E.29.441	345814-1061238	--	--	Valley floor	IPm	6,820	--	--	--	--	--	S	*	--
33	9N.7E.31.334	345714-1061429	--	--	do.	do.	6,880	3	10-16-63	--	--	--	D,S	*	--
34	9N.7E.32.111	345801-1061329	--	Paul Dannevie	do.	do.	6,885	1-5	10-16-63	--	--	--	S	*	--

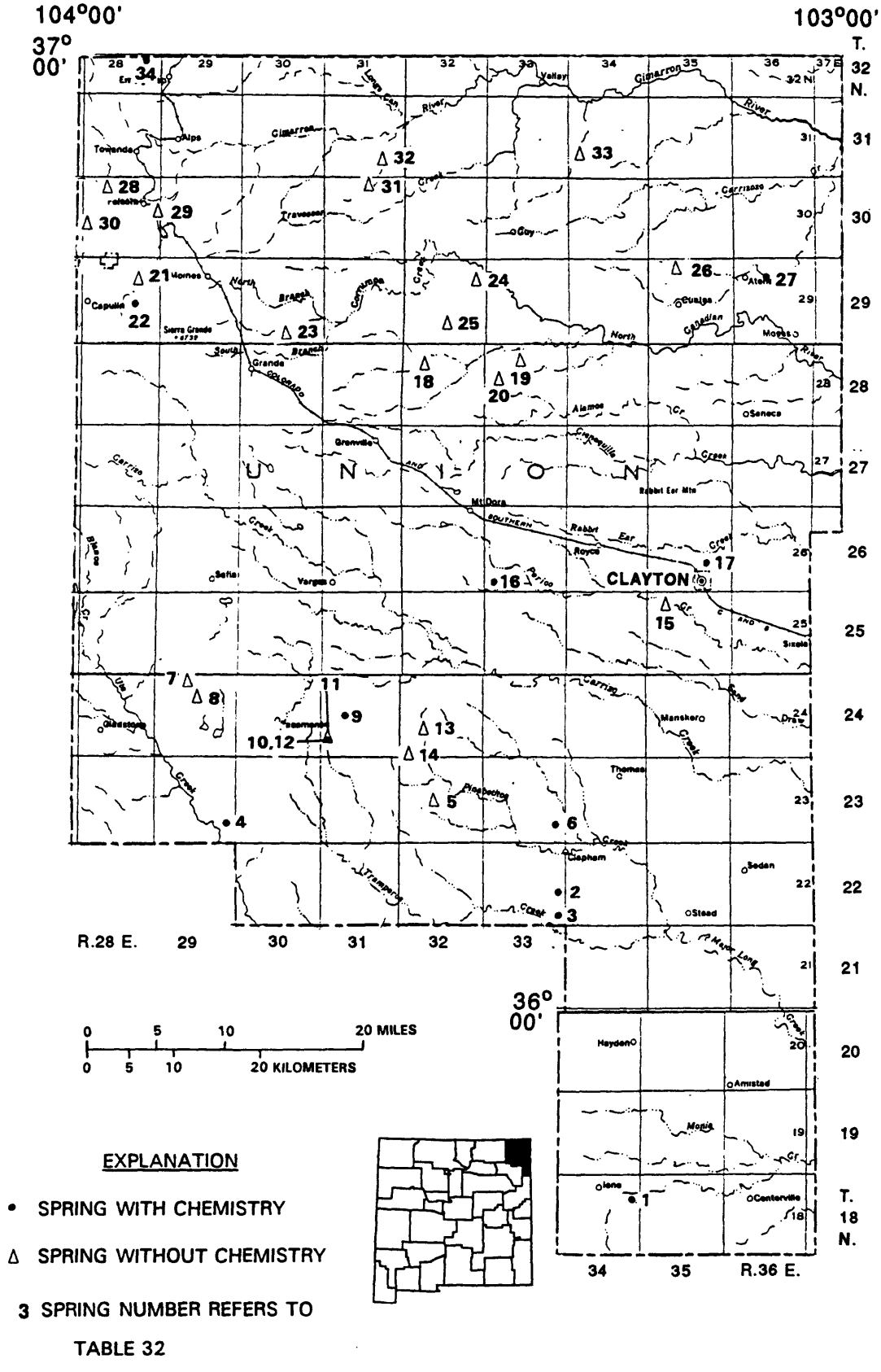


Figure 34.--Location of inventoried springs in Union County.

Table 32.--Physical characteristics of springs in Union County

Number in figure 34	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
1	18N.34E.12.241	354830-1031610	Entrania Spring	--	Entrania Creek bed	Jm	4,665	10	09-08-56	--	--	786	--	*	CA.
2	22N.33E.24.221	360745-1032200	--	J. Park	Creek bottom	Kdp	4,935	450	05-19-56	--	--	901	--	Cooper and Davis, 1967	CA.
3	22N.33E.36.112	360553-1032237	--	C. Howe	do.	do.	4,734	150	05-19-56	--	--	503	S	do.	CA. Series of springs along ½-mile reach.
4	23N.29E.25.123	361203-1034818	--	J.L. and Deming Doak	Slope to canyon	do.	5,540	1	05-14-55	--	--	384	--	do.	CA. Series of seep areas.
5	23N.32E.16.121	--	--	M.E. Gonzales	Bottom of canyon	do.	--	--	--	--	--	--	--	do.	Improved.
6	23N.33E.25.323	361135-1032233	--	Browder Brothers	Hillslope	do.	4,930	7	06-03-54	16.5	62	606	--	do.	CA. Series of seeps, improved.
7	24N.29E.4.344	--	--	R. Largent	Base of basalt cliff	QTb	6,031	1	04-29-55	--	--	--	--	do.	Stone-walled. Altitude reported.
8	24N.29E.10.141	--	Romero Spring	do.	Landslide hillslope	do.	5,937	--	--	--	--	--	S	do.	Walled area, 25 x 25 feet.
9	24N.31E.17.341	361827-1033947	--	--	Sink	--	5,700	5	03-30-55	8.0	46	723	--	*	CA.
10	24N.31E.30.313	361652-1034105	--	--	Head of Bushnell Creek	--	5,660	--	03-30-55	15.0	59	3,190	--	*	CA. TA.
11	24N.31E.30.434	361640-1034023	Poison Springs	Farber Ranch	Upland draw	--	5,655	--	03-30-55	9.5	49	26,300	--	Cooper and Davis, 1967	Source may be Graneros Shale.
12	24N.31E.30.441	361644-1034017	--	do.	do.	--	5,645	4	03-30-55	9.0	48	20,400	--	do.	CA. TA. Source may be Graneros Shale.

Table 32.--Physical characteristics of springs in Union County--Continued

Number in figure 34	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
13	24N.32E.20.124	--	--	Sullivan	Creek bottom	Kdp	5,518	1	04-21-55	--	--	--	--	Cooper and Davis, 1967	Location reported as 24N.32E.20.213; reported altitude; walled.
14	24N.32E.31.432	--	--	S.E. Sanchez	Canyon	do.	5,339	5	05-17-55	--	--	--	--	do.	--
15	25N.35E.5.442	--	--	L.W. Gillespie	North slope of Perico Creek	To	4,934	10-15	10-27-54	--	--	--	S	do.	Improved; hydraulic ram and electric pump.
16	26N.33E.30.223	362757-1032713	--	W.G. Smith	Creek valley	Kdp	5,445	15	10-18-59	15.0	59	395	--	do.	CA.
17	26N.35E.23.411	362827-1031017	Apache Spring	J.E. Ranch, Inc.	Base of basalt mesa in Apache Canyon	QTb	--	3	07-28-54	25.5	78	452	S	do.	CA.
18	28N.32E.8.443	--	--	F.A. Rogers	Slope to broad draw	do.	5,717	--	10-15-55	--	--	--	--	do.	Stone-walled catchment.
19	28N.33E.9.223	--	--	F. Garcia	Canyon wall	Kdp	5,493	1	06-24-55	--	--	--	D	do.	Series of springs.
20	28N.33E.18.141	--	--	D. Campbell	do.	do.	--	--	--	--	--	--	--	do.	Stone-walled catchment.
21	29N.28E.11.234	--	Pinabete Springs	V. Bennett	--	Qbc, Kd	6,660	--	06-01-77	18.0-20.5	64-69	380-430	S	Hart and Smith, 1979	--
22	29N.28E.12.113	364604-1035501	Bennett Spring	do.	Mouth of tributary draw to Pinabete Creek	Qbc	6,635	450	07-11-51	12.0	54	426	D,S	Cooper and Davis, 1967	CA. Source in basalt talus.
								--	05-31-77	12.0	54	420	S,D,I	Hart and Smith, 1979	CA. TA.
23	29N.30E.34.111	--	--	Green	Deep draw	Kdp	6,162	105	10-10-55	--	--	--	--	Cooper and Davis, 1967	Flows into pond.

Table 32.--Physical characteristics of springs in Union County--Concluded

Number in figure 34	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
24	29N.32E.12.121	--	--	M. Marquez	Steep slope	Kdp	5,497	1	10-14-55	--	--	--	D	Cooper and Davis, 1967	Walled; overflow pipe to pond.
25	29N.32E.27.211	--	--	F. Smith	Canyon slope	do.	5,578	--	07-13-55	--	--	--	--	do.	Seep area.
26	29N.35E.5.231	--	Water Hole	L. Bray	Upland draw	do.	5,155	2	06-27-55	--	--	--	--	do.	--
27	29N.36E.8.242	364603-1030628	--	Fernandez	Canyon slope		4,775	0.75	08-27-54	15.0	59	374	--	do.	CA. House was built over spring.
28	30N.28E.5.432	--	--	W. Williams	Draw	Qbu	6,575	--	06-22-77	12.0	54	460	S,I	Hart and Smith, 1979	--
29	30N.28E.13.223	--	--	W. Sneed	Discontinuous gully	Qbc	6,395	--	06-20-77	12.0	54	400	S	do.	--
30	30N.28E.19.223	--	--	A. Cornay	Hillside	Ql	7,060	--	06-16-77	7.5	45	440	S	do.	--
31	30N.31E.3.331	--	--	Y Bar C Ranch	Gleason Canyon	Kdp	5,950	15	12-03-55	--	--	--	--	Cooper and Davis, 1967	--
32	31N.31E.26.233	--	--	do.	do.	Je(?)	--	--	--	--	--	--	--	do.	Wet-weather spring, on fault.
33	31N.34E.30.321	--	Tub Spring	L.G. Howard	Base of canyon wall	Je	4,930	--	--	--	--	--	--	do.	--
34	32N.28E.23.134	365945-1035545	--	Community of Branson, Colorado	Below basalt mesa	QTb	7,100	50	11-09-55	--	--	416	P	do.	CA. Five springs in area; gravity flow to community of Branson, Colorado, 3 miles to the northeast.

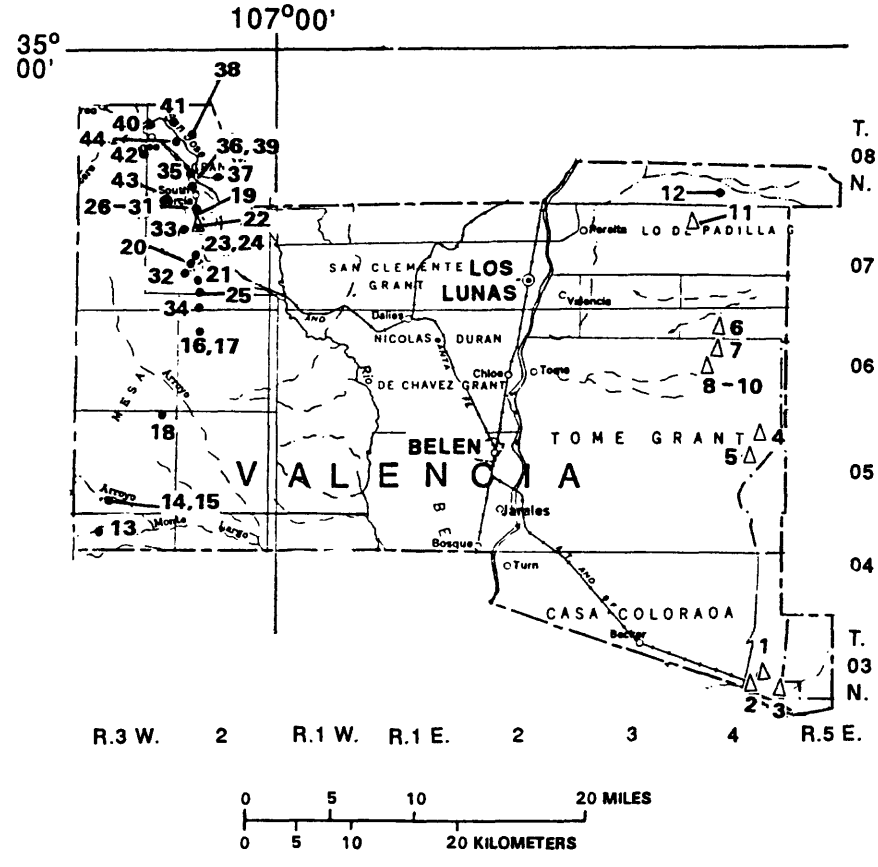


Figure 35.--Location of inventoried springs in Valencia County.

Table 33.—Physical characteristics of springs in Valencia County

Number in figure 35	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
1	3N.4E.11.144	342908-1062945	Bustamonte Spring	West & Pyle Cattle Co.	—	pE	5,850	3	5-23-56	—	—	—	S	Titus, 1963	Casa Colorada Grant; water probably comes from fractures in granite or quartzite.
2	3N.4E.14.140	342822-1062951	—	do.	Base of alluvial fan	Qal	5,897	2.5M	9-2-49	—	—	—	—	Spiegel, 1955	Casa Colorada Grant.
3	3N.5E.30.100	342730-1062723	—	—	North wall of canyon	IPm	5,800	VS	12-2-49	—	—	—	—	do.	Location approximated.
4	5N.4E.2.333		Trigo Spring	R.V. De Baca	Channel	Qal	5,680	5	1-9-57	10.5	51	—	S	Titus, 1963	Tome Grant; reported little fluctuation in discharge.
5	5N.4E.9.413	344016-1063133	Ojo Jedeondilla	Manuel De Baca	do.	do.	5,520	2	1-9-57	14.5	58	—	S	do.	Tome Grant; reportedly never dry.
6	6N.4E.5.232	344645-1063228	Maes Spring	Andres Cordova	do.	QTs	5,445	0	1-11-57	—	—	—	N	do.	
7	6N.4E.8.321	344540-1063248	Carrizo Spring	do.	Fault scarp	do.	5,370	10	1-18-57	14.5	58	—	S	do.	Reportedly little fluctuation in discharge.
8	6N.4E.20.144	344357-1063241	Los Ojuelos or Ojo Alamo	Tome Land Development Co.	Channel	Trc	5,354	25	1-8-57	14.5	58	—	S	do.	Tome Grant; reportedly little fluctuation in discharge.

Table 33.—Physical characteristics of springs in Valencia County—Continued

Number in figure 35	Location		Name	Owner	Topographic situation	Source	Altitude (feet)	Yield		Temperature		Specific conductance (micro-siemens)	Use	Reference	Remarks
	Number	Latitude-longitude						Gallons per minute	Date	°C	°F				
9	6N.4E.20.321	344352-1063247	Ojo Huelos	Tome Land Development Co.	Fault scarp	Trc	5,388	15	1-8-57	14.5	58	—	S	Titus, 1963	Tome Grant; reportedly little fluctuation in discharge.
10	6N.4E.20.342	344335-1063238	Ojo Lemita	do.	Channel	do.	5,401	7	1-8-57	—	—	—	S	do.	Tome Grant; reportedly little fluctuation in discharge.
11	7N.4E.6.434	345124-1063325	—	Isleta Pueblo	Fault scarp	QTs	5,371	0	2-14-56	—	—	—	N	do.	Dug pit approximately 5 feet deep; dry.
12	8N.4E.29.424	345317-1063204	Ojo de la Cabre	do.	—	do.	5,445	10	2-15-56	15.5	60	403	S	do.	CA; fault zone.
13	4N.3W.6.443	343537-1071130	—	Ward and Dysart(?)	Gap in hogback	IPm	5,840	—	4-30-57	20.0	68	31,000	S(?)	do.	CA; reported as 4N.3W.6.444; precipitate covers arroyo floor.
14	5N.3W.29.400	343738-1071020	—	—	—	do.	—	0.3	8-17-41	1.0	34	—	—	*	CA.
15	5N.3W.29.423	343740-1071018	Coyote Springs	C.E. Darnell	Gap in hogback(?)	do.	5,810	3R	1941	18.0	64	—	S(?)	Titus, 1963	CA; reported as 5N.3W.29.441; precipitate covers estimated 30 acres of flat arroyo floor.
16	6N.2W.6.340	344610-1070505	—	—	—	do.	—	0.1	8-7-41	25.5	78	—	—	*	CA.

Table 33.—Physical characteristics of springs in Valencia County—Continued

Number in figure 35	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature °C	Temperature °F	Specific conductance (micro-siemens)	Use	Reference	Remarks
17	6N.2W.6.434	344610-1070506	—	F.B. Lovelace	—	IPm	5,380	50	2-6-57	—	—	—	—	Titus, 1963	Reported as 6N.2W.6.431; spring located in fault zone.
								—	6-5-75	15.0	59	1,040		*	CA.
18	6N.3W.35.341	344150-1070735	—	D.D. Romero	Gap in hogback	do.	5,790	30.0	2-6-57	14.5	58	—	S	Titus, 1963	Reported as 6N.3W.35.340; water cascades through numerous pools impounded by small dams built by precipitate.
								—	5-1-57	14.5	58	26,700		do.	CA.
								—	4-19-62	16.0	61	—		*	CA.
								—	5-16-75	16.5	62	26,000		*	CA.
19	7N.2W.6.434	345122-1070510	—	Laguna Indian Res.	—	Kd(?)		—	—	—	—	—	—	—	
20	Antonio Sedillo Grant	344936-1070506	—	do.	—	Psa	5,460	—	4-22-75	11.5	51	1,150	—	*	CA; informally referred to as "Mammoth Mound."
21	do.	344823-1070538	—	do.	—	Pc	5,645	0.35R	9-2-41	24.0	75	—	—	*	CA; spring located in fault zone.
22	7N.2W.7.124	345109-1070522	—	do.	—	Trc	5,450	3R	8-25-41	24.5	76	—	—	Titus, 1963	CA; Antonio Sedillo Grant. Spring located in a fault zone.
								—	4-22-75	14.0	57	34,100	—	*	CA.

Table 33.—Physical characteristics of springs in Valencia County—Continued

Number in figure 35	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
23	7N.2W.18.313	344945-1070515	—	Laguna Indian Res.	—	Psa	—	0.02R	8-25-41	28.0	82.5	—	—	Titus, 1963	CA; Antonio Sedillo Grant. Spring located in a fault zone.
24	7N.2W.18.312	345000-1070540	—	do.	—	Trc	—	0.05R	1941	—	—	—	—	do.	CA; Antonio Sedillo Grant. Spring located in a fault zone.
25	7N.2W.30.320	344808-1070526	—	do.	—	Py	—	0.05R	1941	30.0	86	—	—	do.	CA; Antonio Sedillo Grant. Spring located in a fault zone.
26	Antonio Sedillo Grant	345201-1070507	—	do.	—	Km, Kd	—	—	4-21-75	—	—	3,700	—	*	CA.
27	do.	345140-1070455	—	do.	—	Trc	—	—	4-22-75	13.5	56	36,500	—	Titus, 1963	CA.
28	do.	345122-1070510	—	do.	—	Km, Kd	—	—	4-2-75	—	—	41,500	—	do.	CA.
29	do.	345108-1070515	—	do.	—	Trc	—	—	4-22-75	14.0	57	34,100	—	do.	CA.
30	do.	345032-1070527	—	do.	—	do.	—	—	4-22-75	13.5	56	36,800	—	do.	CA.
31	do.	344952-1070547	—	do.	—	Psa, Pg	—	—	4-22-75	—	—	45,000	—	do.	CA.
32	do.	344855-1070522	—	do.	—	do.	—	—	5-16-75	21.5	71	37,000	—	do.	CA.

Table 33.—Physical characteristics of springs in Valencia County—Continued

Number in figure 35	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
33	Antonio Sedillo Grant	345128-1070614	—	Laguna Indian Res.	—	Psa, Pg	—	—	4-21-75	—	—	8,530	—	Titus, 1963	CA.
34	7N.2W.31.140	344735-1070525	—	—	—	Py	—	0.05R	9-2-41	26.5	80	—	—	do.	CA; spring located in a fault zone.
35	8N.2W.19.421	345413-1070504	El Ojo Escondido	Laguna Indian Res.	—	Jm	5,203	0.02	9-8-41	23.0	73	—	—	do.	CA; Antonio Sedillo Grant; bitter taste; little precipitate near seeps. Spring located in a fault zone.
36	Antonio Sedillo Grant	345312-1070518	—	do.	—	Jm, Kd(?)	—	5R	9-3-41	22.0	72	—	—	do.	CA.
37	do.	345412-1070358	—	do.	—	Jm	—	—	4-21-75	24.0	75	32,600	—	*	CA.
38	do.	345556-1070549	—	do.	—	do.	—	—	4-21-75	—	—	30,100	—	*	CA.
39	do.	345312-1070525	—	do.	—	do.	—	—	4-21-75	—	—	41,400	—	*	CA.
40	8N.3W.10.222	345629-1070755	Suwanee Spring	—	Lava-filled shallow valley	Qal	5,360	200	10-12-48	—	—	3,810	—	*	CA.
								30	4-2-58	—	—	—		Titus, 1963	CA.
								—	5-16-58	16.5	62	3,790	—	do.	

Table 33.—Physical characteristics of springs in Valencia County—Concluded

Number in figure 35	Location: Number	Location: Latitude-longitude	Name	Owner	Topographic situation	Source	Altitude (feet)	Yield: Gallons per minute	Yield: Date	Temperature: °C	Temperature: °F	Specific conductance (microsiemens)	Use	Reference	Remarks
41	8N.3W.12.342	345551-1070624	Dipping Vat Spring	Laguna Indian Res.	Canyon in sandstone	Jm (Qal?)	5,320	10	12-7-57	—	—	4,030	—	Titus, 1963	CA; Antonio Sedillo Grant.
								460	4-2-58	15.5	60	—	S	do.	
42	8N.3W.15.413	345505-1070822	—	—	—	—	—	25E	11-29-63	20.0	68	—	—	do.	
		345248-1070745	—	Laguna Indian Res.	Slump blocks	Trc	5,800 (?)	1	9-3-41	18.5	65	—	—	do.	CA.
44	do.	345549-1070624	—	do.	—	Jm		—	4-21-75	16.5	62	4,030	—	*	CA.

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