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**A GEOTHERMAL RESOURCE DATA BASE
NEW MEXICO**

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INTRODUCTION

This report provides a compilation of geothermal well and spring information in New Mexico up to 1993. Economically important geothermal direct-use development in New Mexico and the widespread use of personal computers (PC) in recent years attest to the need for an easily used and accessible data base of geothermal data in a digital format suitable for the PC. This report and data base are a part of a larger congressionally-funded national effort to encourage and assist geothermal direct-use. In 1991, the U. S Department of Energy, Geothermal Division (DOE/GD) began a Low-Temperature Geothermal Resources and Technology Transfer Program. Phase 1 of this program includes updating the inventory of wells and springs of ten western states and placing these data into a digital format that is universally accessible to the PC. The Oregon Institute of Technology GeoHeat Center (OIT) administers the program and the University of Utah Earth Sciences and Resources Institute (ESRI) provides technical direction.

Since 1980, New Mexico has had significant direct-use geothermal development. In 1982, one of the nation's larger district heating systems began operation at New Mexico State University. In 1986, a geothermally-heated geothermal greenhouse research and business 'incubator' facility came on line through a combination of private donations and State funds and is operated by the Southwest Technology Development Institute (SWTDI/NMSU), a division of the Engineering College at New Mexico State University (Schoenmackers, 1988). The first client in the NMSU greenhouse now operates the nation's second largest geothermally-heated commercial greenhouse at Radium Springs, New Mexico. Currently, New Mexico has the largest acreage of geothermal greenhouses in the nation with more than 40 acres (161,900 m²). This acreage is about half of the total greenhouse acreage in New Mexico and represents an estimated capital investment of more than \$30 million and the direct creation of nearly 400 jobs.

So far in the 1990's, interest and growth has continued in using geothermal heat in New Mexico. Primary interest is from the agriculture sector, including greenhousing, aquaculture, crop and food processing, and milk and cheese processing. Other interest has included space heating and heated swimming pools. This data base will assist in further direct-use geothermal efforts.

PREVIOUS COMPILATIONS

The first statewide evaluation and compilation of geothermal information for New Mexico was begun in the mid 1960's and resulted in New Mexico Bureau of Mines and Mineral Resources Hydrologic Report 4, 'Catalog of Thermal Waters in New Mexico' (Summers, 1976). Summers (1976) remains the primary source information on New Mexico thermal springs. During the mid 1970's and early 1980's, Federal and State geothermal resource characterization efforts led to additional information collection efforts. Two U. S. Geological Survey (USGS) Circulars provided the initial estimates of resource size and quality (Muffler, 1979; and Reed, 1983). In addition, a cooperative effort between the U. S. Department of Energy (DOE), the National Oceanic and Atmospheric Administration (NOAA), and New Mexico State University resulted in 1:500,000 scale geothermal resource maps (Swanberg, 1980 and Swanberg and Icerman, 1983). Prior to 1983, geothermal data for New Mexico were included in GEOTHERM, a USGS mainframe computer system of geothermal data bases and geothermal evaluation software (Bliss and Rapport, 1983). The USGS discontinued GEOTHERM in 1983. More recently, a relational database system for the PC platform was developed at NMSU for geothermal information covering New Mexico (Witcher and others, 1990). Limited data compilation and new and easier to use relational database software make the 1990 database obsolete.

DATA SOURCES

Major statewide sources of data include Summers (1976), Swanberg (1980), Norman and Bernhardt (1982). A major source of statewide information is contained in the U. S. Geological Survey (USGS) WATSTORE file. WATSTORE has two major databases, the Ground-Water Site Inventory and the Water Quality File. A 1993 commercial version of the WATSTORE Water Quality File on CD ROM was used in this study.

Additional important data for the geothermally significant Jemez Mountains (Valles Caldera) region in north central New Mexico is found in Shevenell and others (1987).

The state geothermal resources maps and the USGS GEOTHERM file were reviewed for data and used to assist in the compilation. However, neither

the maps or the GEOTHERM file are primary information sources for the type of data compiled in this study.

Additional information was compiled from published and unpublished site specific geothermal resource investigations at several locations. Other data was compiled from published ground-water studies and government open-file reports. Finally, it should be noted that this study is not an exhaustive compilation of data for geothermal wells and springs in New Mexico. Except for a few sites at high elevations, the only data compiled was for wells and springs with measured discharge temperatures greater than 30 °C. Virtually all wells and springs found at elevations below 5,000 feet (1,524 m) elevation in New Mexico exceed 20 °C.

In addition, sites based upon bottom-hole temperature data are not included in this data base. The 1980 state geothermal map includes bottom-hole temperature data. Also, no heat-flow or temperature-gradient data is included in this compilation. These data sets require analysis and interpretation beyond the scope of this project. The Southwest Technology Development Institute at NMSU has extensive compilations of heat-flow and bottom-temperature data for New Mexico.

DATA FORMAT

Three Excel@ (Microsoft Windows@ software) spreadsheets provided a working medium for data compilation, editing, and sorting. The first spreadsheet (Appendix 1) lists the geothermal sites and provides location information. Location data in many cases is poor quality and may be only accurate to a minute of latitude or longitude. Field experience shows that this is true of some WATSTORE data as well data from other sources. Field checks and determination of UTM coordinates are required to improve the locations at most sites.

The second spreadsheet lists 'complete' chemical analyses for geothermal sites in New Mexico (Appendix 2). Data in the second spreadsheet contains at a minimum a dissolved silica analysis and sufficient major cation (Na, K, Ca, Mg) and major anion (Cl, HCO₃, SO₄) data to check for analytical charge and mass balance (see Reed and Mariner, 1991). Each analysis for geothermal sites in New Mexico is assigned a unique sample identification if the original data source failed to provide this information. This approach assists in duplicate record checking and provides a foundation to include these data in a relational

data base and Geographic Information System (GIS) for New Mexico geothermal information in the future.

The third spreadsheet lists 'partial' chemical analyses (Appendix 3). These data do not satisfy the criteria for the second spreadsheet. Also, the third spreadsheet has an added entry that shows sodium and potassium as a single analysis (Na+K) as is commonly reported in older citations. In general, the third spreadsheet may have lower quality data than those found in the second spreadsheet ('complete analysis'). Caution is advised in applying chemical geothermometers or in assessing potential for corrosion and scaling with the data in the third spreadsheet ('partial analysis'). The same caution applies to using data in the second spreadsheet with significant charge and mass balance errors (greater than 5 or 10 percent).

Except for the GEOTHERM and WATSTORE information, data was manually (keyboard) entered. WATSTORE data was extracted from the CD ROM data base by sequentially retrieving all analytical data for individual sites with measured temperatures greater than 30°C and placing these data in an ASCII master file using software provided by the data vendor. A small FORTRAN program was written and used to read the ASCII master file and retrieve specific analyses and to organize these data into a tabular ASCII file that can be opened by Excel® and placed directly into the formatted spreadsheets.

OVERVIEW OF THE DATA BASE

The last comprehensive geothermal data compilation in 1980 (state geothermal map - Swanberg, 1980) displayed 312 thermal wells and springs. Many sources shown on the 1980 map are bottom hole temperature (BHT) measured either during geophysical logging of oil and gas exploration wells or from academic heat flow studies. No BHT data are included in this compilation. GEOTHERM lists 65 chemical analysis of New Mexico thermal wells and springs (Reed and others, 1983).

This data base contains 842 chemical analysis for 360 discrete thermal wells and spring discharges. About half of the sites (175 sites) are extracted from WATSTORE. The remaining data are taken from published and unpublished reports.

Figure 1 is a histogram that shows the relative frequency of measured surface discharge temperatures for 308 well and spring sites. Data for high temperature (>150 °C) test wells in the Jemez Mountains (Valles or Baca geothermal system) are excluded from the histogram. A median temperature of about 35 °C is evident. On a percentile basis, measured temperatures above 46 °C score 75 or higher while temperatures above 62 °C score 90 and above. With hot spring data removed, the remaining data for the greater than 62 °C category are from wells in three developing geothermal areas, Lightning Dock, Radium Springs, the Las Cruces East Mesa. Many, if not most, data in the 30 to 40 °C bracket are from deep wells with conductive thermal regimes (normal or slightly above regional temperature gradient averages). It is clear that a developer will need to drill new wells in areas with convective geothermal resources in order to obtain resource temperatures over 45 °C. On the other hand, if temperatures below 45 °C are required, there are many existing sites to evaluate.

Figure 2 is a map of New Mexico which summarizes the locations of thermal (mostly >30 °C) wells and springs. Several areas are notable when Figure 2 is compared to the 1980 and 1983 compilations (Swanberg, 1980 and Swanberg and Icerman, 1983). A new region with low-temperature potential is indicated in the Pecos Valley in southeastern New Mexico in Chaves and Eddy County. Numerous wells between 26 and 29 °C occur in the area of Eddy and Chaves Counties. Two wells, 30 °C or warmer, are shown in Figure 2. Aquaculture is one possible use for the low-grade thermal waters. Recent analysis of oil-and-gas well, temperature data and thermal conductivity measurement of subsurface units across the region by Reiter and Jordan (1995) suggest broad, upward cross-formational flow from depths of 3,000 to 5,000 feet (914 to 1,524 m) beneath the Pecos Valley.

An extensive north-south alignment of saline, travertine-depositing springs in remote western Valencia County are not included in this compilation. However, the springs are shown on the 1980 and 1983 compilations as the Laguna springs and seeps. All of the springs discharge less than 30 °C temperature fluids. Goff and others (1983) discuss these springs in some detail and use fluid chemistry to identify spring origins and hydrogeology.

Also, another new region is compiled in central Cibola County on the Acoma Pueblo lands. Kues (1989) briefly discusses many of the Acoma thermal wells.

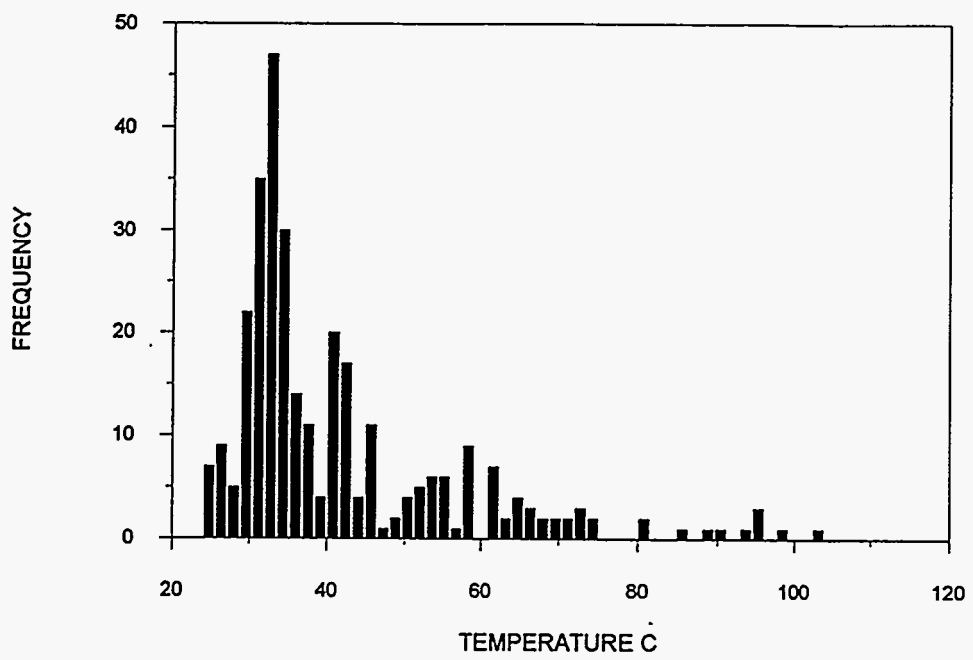
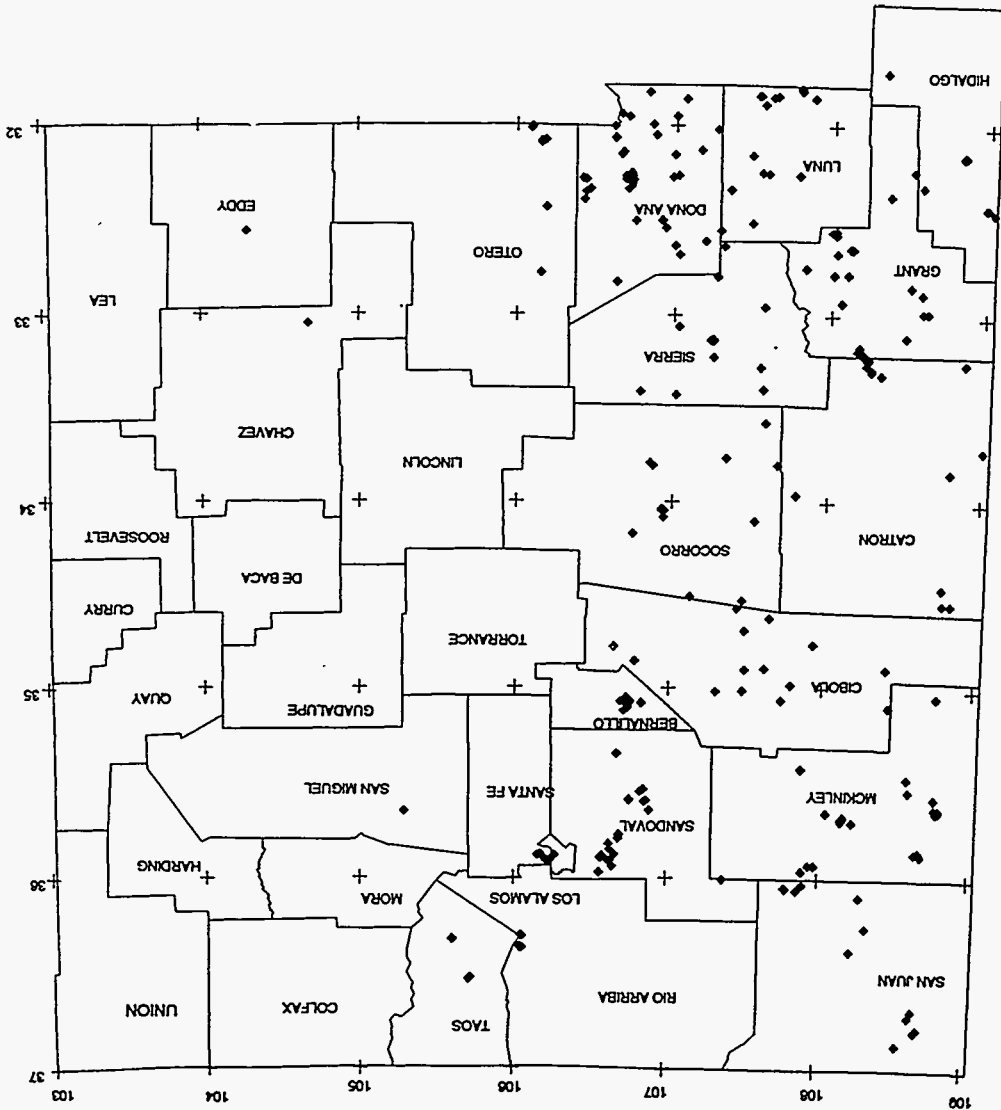


Figure 1 Histogram of well and spring discharge temperatures.

Figure 2
Generalized map of thermal (>30 C wells and springs)
Symbols are thermal well and spring sites.



DISCUSSION OF THE RESOURCE BASE

The geothermal potential varies considerably from one area of New Mexico to the next. Regionally, the variation in subsurface temperatures is largely the result of physiographic or tectonic diversity. Physiographic provinces generally have unique geologic histories, structures, topography, hydrology, climate, and rocks. New Mexico includes four major physiographic provinces (Fig. 3). Provinces include the Southern Basin and Range (SBRP), Colorado Plateau (CP), Southern Rocky Mountains (SRMP), and the Great Plains (GPP). Three subdivisions form the Basin and Range: 1) the Sacramento section; 2) the Mexican Highland section; 3) the Datil-Mogollon section. The eastern and northern portions of the Mexican Highland section of the SBRP and the SRMP are frequently referred to as the Rio Grande rift (RGR) 'tectonic province.'

High-to-moderate heat flow ($>80 \text{ mWm}^{-2}$), widely-scattered hot springs and thermal wells, Quaternary volcanism (mostly basalt), recurrent Pleistocene-to-Recent and predominantly-normal faulting indicates, by rank of overall enhanced crustal heat, that the SBRP, SRMP, and CP have elevated subsurface temperatures and significant geothermal resource potential (Swanberg, 1980; Swanberg, 1983; Summers, 1976; Morgan and others, 1986; Reiter and others, 1975, 1978, and 1986; Decker and Smithson, 1975; Reiter and Barrol, 1990; Reiter and Minier, 1989). Crustal thinning in the SBRP and Rio Grande rift has resulted in crustal thicknesses as thin as 26 km (Sinno and others, 1986).

Cenozoic Geology

Cenozoic geology in the geothermally-important, western two-thirds of New Mexico (SBRP, SRMP, RGR, and CP) is dominated by three major tectonic episodes: 1) the Laramide orogeny; 2) a mid-Tertiary extensional and volcanic event; 3) a late Tertiary episode of rifting.

Laramide (Late Cretaceous to Eocene) deformation includes several large north- and west-northwest- trending, basement involved uplifted terranes that exhibit one to five kilometers or more of structural relief. These 'basement-cored' uplifts are frequently large-scale asymmetric homoclines with high-angle reverse faults and drape folds (monoclines) on vergent boundaries. Significant strike-slip movement occurred in other areas during the Laramide and resulted

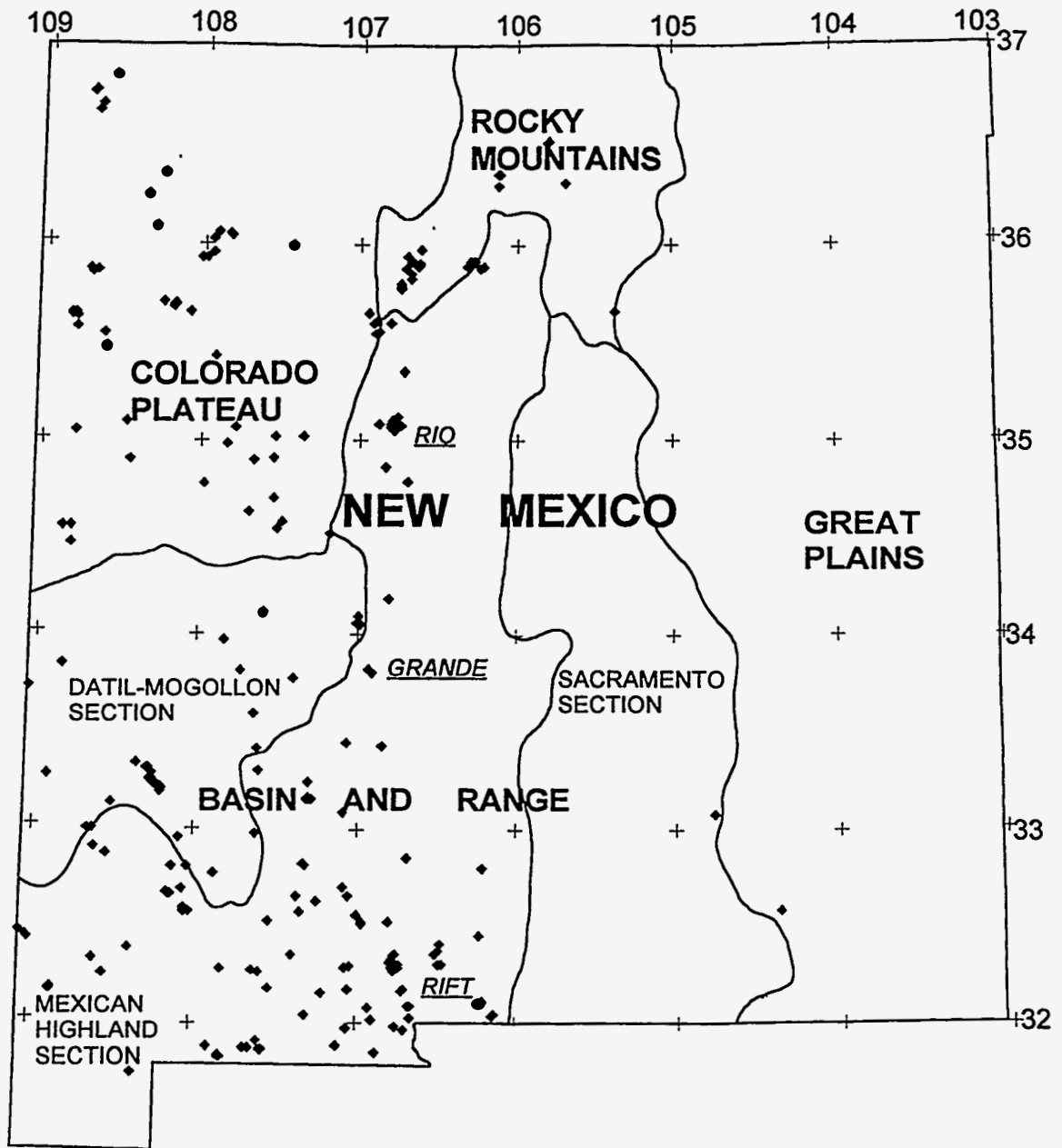


Figure 3 Physiographic provinces of New Mexico.
 Symbols are thermal well and spring sites.

in large symmetric and asymmetric transpressional structures (flower structures) which also involved basement rocks. Tertiary subcrops over these areas consist of Precambrian crystalline rocks and Paleozoic carbonate rocks. Important fine-grained Mesozoic aquitards are stripped away. Virtually all convective geothermal systems in New Mexico, including the Jemez systems, occur over Laramide structural highs (Witcher, 1987 and 1988).

During the mid-Tertiary much of the Datil-Mogollon and Mexican Highland sections of the SBRP were covered by a blanket of predominantly volcanoclastic sediments and minor volcanic flows averaging one kilometer thickness (Cather and others, 1994). Flows locally dominate near volcanic centers. Regionally extensive volcanoclastic blankets provide important aquitards in the region. Locally, volcanic piles several kilometers thick occur, especially in association with silicic cauldron complexes. Many of the cauldron complexes were also the locus of intense extension (up to 100 percent) along systems of close-spaced, domino-style normal faults (Chamberlin and Osburn, 1986).

Large, widely-spaced normal faults largely blocked out present-day topography from 12 to 9 Ma over the SBRP and RGR in New Mexico up until 4 to 6 Ma (Seager and others, 1984). This late Tertiary rifting continues at lower rates today and has left an en echelon series of north-trending half grabens with extension amounting to no more than 10 or 15 percent. Many of the best geothermal systems in New Mexico occur where late Tertiary horsts intersect older highly-extended cauldron complexes and vergent boundaries of Laramide uplifts (Witcher, 1988). Late Tertiary horsts are frequently stripped of mid-Tertiary volcanoclastic aquitards to expose underlying fractured terranes.

Convective Resources

Occurrence Models

Several models for convective geothermal resource occurrence have been proposed the Rio Grande rift and SBRP. Chapin and others (1978), Elston (1981), Elston and others (1983) show that several systems occur at the intersection highly-faulted ring-fracture zones of mid-Tertiary cauldrons, regional lineaments, and Pleistocene faults. Elston and others (1983), Jiracek and Smith (1976), and Swanberg (1975) observe that late Tertiary fault zones apparently control other geothermal systems.

A model of forced convection through Tertiary basin-fill sediments was presented by Harder others (1980) and Morgan and others (1981). This model places geothermal discharges at surface hydrologic outlets and down-gradient structural boundaries of late Tertiary rift basins. This model is commonly referred as the 'constriction model.' Many systems in the Rio Grande rift appear to occur at basin 'constrictions' and the model is commonly cited in the literature to explain the Rio Grande rift geothermal resource base and associated thermal regimes. Actually, the model poorly predicts discharges on a local scale and fails to explain the predominance of system upflow zones in fractured bedrock. In fact, vertical flow across major regional aquitards, followed by horizontal flow across major fault zones, which usually act as flow-regime boundaries, is required to explain many geothermal system locations relative to a 'constriction model.'

Another model which allows forced, free, or a combination of convective processes is proposed by Witcher (1988). With this model, convective geothermal systems occur in fractured bedrock (structurally-high terrane) at low elevation within horst blocks. Fluid circulation depths are not restricted by graben structural relief and the systems are not confined to areas adjacent to horst-bounding faults, as predicted by a constriction model. A regional view of New Mexico convective occurrences indicates that virtually all known systems occur where aquitards or confining units have been stripped by faulting or by erosion from basement terranes which contain significant vertical fracture permeability. A variety of structures, ranging from faults, folds, and fractured stocks and dikes can provide local vertical permeability and reservoirs. This model is referred to as a 'hydrogeologic window model.'

Conductive Resources

Basin and Range and Rio Grande Rift

Half grabens, forming the southern Basin and Range and Rio Grande rift, may contain several thousand of feet of Cenozoic sediments in various stages of diagenesis, compositional and grain-size ranges, and degrees of structural deformation. Because of the region's high heat flow and general tendency of Cenozoic basin fills to have significant fine-grained lithologies with low thermal conductivity and low vertical permeability, deep-seated and permeable

sediments, especially fractured and faulted older basin fill units, provide potential for large-volume conductive geothermal resources. In general, the cost of deep wells is a drawback to the use of the resource. However, existing deep water supply wells and irrigation wells have potential for use.

Colorado Plateau

The eastern Colorado Plateau, including the San Juan Basin and the Mogollon Slope, has generally high flow (Minier and Reiter, 1991, and Reiter and Mansure, 1983). Locally, heat flow can be as high as that observed in the Rio Grande rift and southern Basin and Range. Significant thicknesses of fine-grained Cenozoic and Mesozoic sediments are preserved over permeable lower Mesozoic redbed sands and Paleozoic redbed and carbonate aquifers. Because the bulk of the Cenozoic and Mesozoic fine-grained sequences act as aquitards and have low thermal conductivity, they act as thermal blankets to create a deep-seated conductive geothermal resource. Much of this conductive resource is under sufficient artesian pressure to allow flowing wells to be drilled and developed. A drawback to this resource, however, is fluids with high salinity, few geological alternatives for fluid injection, and the general remoteness of this region of New Mexico. Much of this region is covered by the Navajo, Zuni, Acoma, Laguna, and Jicarilla Reservations.

PRIORITY AREAS AND AREAS WITH NEAR-TERM UTILIZATION POTENTIAL

Several areas in New Mexico are identified as priority sites for near-term, low-to-intermediate temperature geothermal resource utilization. Identified areas should receive additional site specific geologic and feasibility studies. Selection is based upon several criteria. Potential quality of the resource is important. The resource quality is an engineering economics and feasibility problem as much as it is a geologic problem. Higher temperatures and highly productive shallow wells are most favorable. However, many other factors are required for development success. Resource co-location with users and other geographic attributes specific to particular direct-use applications are crucial.

Space heating and district heating are most feasible in areas where the resource is co-located with population and facilities with large heating loads. Geothermal heating has potential to be incorporated without retrofit of existing

heating systems in some areas of New Mexico that are experiencing rapid growth.

Geothermal greenhouse heating requires a favorable land status to include costs and ownership, availability of nearby fresh water, a labor force, good transportation infrastructure or nearness to markets. Almost all of New Mexico has the sunshine and climate that growers need. Availability and cost of water rights may be an issue in some areas because New Mexico is an arid region.

While aquaculture is less labor intensive than greenhousing, a favorable land status and transportation or nearness to markets is necessary. Availability and cost of water rights may be an issue in some areas.

New Mexico has a rapidly growing dairy industry. Milk and cheese processing are very energy intensive. A high quality geothermal resource that is easily accessible and near dairies may have much potential energy savings and economic benefits. Other users include chile, onion, and other agricultural processors. Good transportation and year around product availability are desired.

Low-to-intermediate temperature geothermal direct-use utilization has much potential to enhance or create economic opportunities. This makes geothermal energy, a relatively unknown alternative to conventional fossil fuels, much more marketable. Most of the priority areas selected in New Mexico have geothermal resources co-located in areas with many favorable geographic and demographic attributes for specific end users. Most importantly, all of the priority areas have on-going private sector, Indian tribal, and/or municipal development and exploration activities or serious interest in development. Success in these areas will no doubt spawn additional interest and economic development centered on geothermal energy in New Mexico.

Selected areas cover a broad range of representative geologic and hydrologic settings favorable for economic geothermal resources in New Mexico. Areas are located in both southern and northern New Mexico. Figure 4 shows the locations of the areas to be discussed in this report.

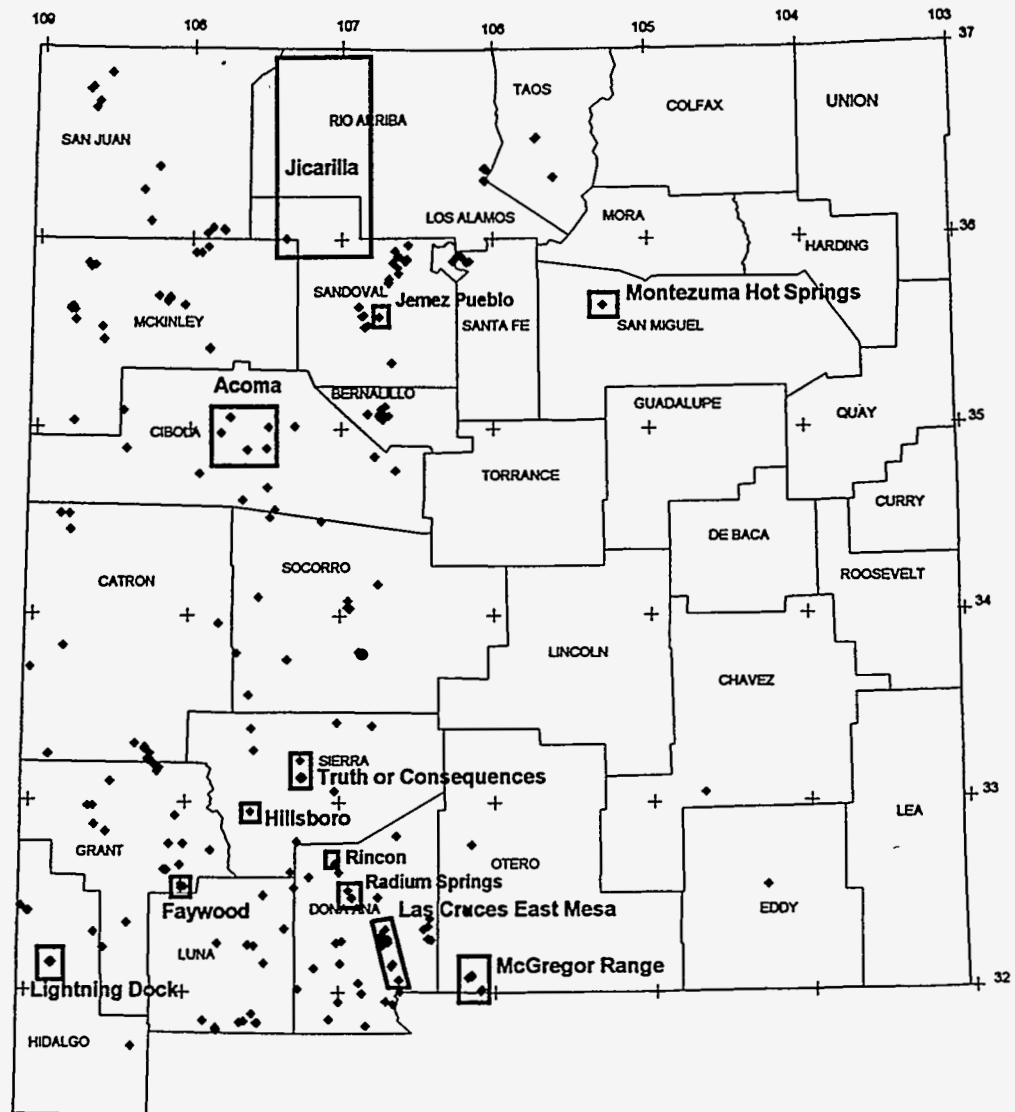


Figure 4 Map with general locations of priority study areas. Symbols are thermal well and spring sites.

Rincon

The Rincon geothermal system is a blind system (no surface hot springs). However, Pleistocene opal beds (fossil siliceous hot spring (?) deposits) are interbedded at this site in ancestral Rio Grande fluvial deposits exposed in escarpments adjacent to the present-day downcut Rio Grande floodplain.

A recently drilled continuous-core (HQ) borehole to 1,218 feet (371 m) at the site indicates a shallow highly-fractured reservoir from 300 to 600 feet (91 to 183 m) depth with a temperature of 85 to 90 °C in pervasively silicified ancestral Rio Grande fluvial deposits (Witcher, in preparation). The top of the reservoir is roughly the same level as the present day water table in the Rio Grande flood plain. The silicified zone is accompanied by adularia and disseminated sulfide mineralization. This zone is a part of the upflow zone for a much hotter and deeper-seated reservoir located in a fault zone dipping east beneath the core hole total depth. Between 600 and 1,218 feet (183 to 371 m), the core hole encountered a relatively unaltered clayey siltstone which acts as an aquitard or aquaclude. Temperature gradients are 250 °C/km in the lower 200 feet (61 m) of the hole. The bottom hole temperature is 100 °C. Geothermometer estimates indicate reservoir temperatures in the fault zone between 120 and 175 °C. The core hole was funded by the State of New Mexico Legislature.

The geothermal area is bounded on the south by Interstate 25 and on the east by an Atchison, Topeka and Santa Fe rail about 25 miles (40 km) north of Las Cruces in southern New Mexico. This area is an important agricultural area along the Rio Grande. The town of Hatch is located 5 miles (8 km) west of the site and is the locus of chile growers. The area is well known for the quality of chile produced. Large dairies are located a few miles west of Hatch. Fresh water is available within one to two kilometers of the Rincon site. Political support for geothermal development at Rincon includes the town of Hatch, the City of Las Cruces, Dona Ana County, and the State of New Mexico.

Reservoir production rates have not been determined at the site and some infrastructure work is needed to include land leveling. The land status is Federal Bureau of Land Management (BLM). Development will require a surface use license and such a license could be the first granted by the BLM for geothermal direct-use. Potential geothermal uses at this site include greenhouses, milk and cheese processing, chile processing, refrigerated warehousing, and binary electrical power. To date, exploration has included a

slim-hole continuous core hole, 4 shallow temperature gradient holes (Witcher, 1991), a radon soil-gas survey (Witcher, 1991), a detailed SP survey (Ross and Witcher 1992).

Completion of geologic mapping at 1:6,000 scale and study of the core is needed. A shallow (600 feet or 183 m maximum) production hole is required to begin geothermal development at this site. Also, re-entering the core hole with an NQ drill string (the HQ string is currently in the hole) will determine deeper production and temperatures. Preliminary feasibility studies for direct use application have been performed. Detailed feasibility, production drilling, and infrastructure work is required for geothermal utilization at Rincon.

The Rincon resource has very high priority because it provides a case study for new exploration strategies and geologic occurrence models for 'blind' resources in the Rio Grande rift and southern Basin and Range capable of producing intermediate-temperature fluids for higher-end direct use and binary power production.

Truth or Consequences (T or C)

The town of Truth or Consequences (T or C) was formerly called Hot Springs before being renamed after a 1950's television game show as a part of promotional effort. T or C is a retirement and resort town of about 5,000 located along the Rio Grande near Elephant Butte Reservoir, one of the largest manmade lakes in the Southwest. Numerous shallow hot artesian wells exist in the downtown area of T or C. These wells have been used for most of this century in health spas. Generally, temperatures range from 40 to 43.3 °C. The aggregate flow from this system is estimated at 1,314 acre/ft per year (1.6×10^6 m³). All of the wells have high-priority water rights and are a part of one of the first State Engineer declared ground-water basins in New Mexico.

Small-scale space heating is done at the Geronimo Springs Museum and the Carre Tinglely veterans center and in the spas around town. In recent years, a citizens group has been interested in using geothermal heat in a heated municipal swimming pool. One of the drawbacks to geothermal development at T or C has centered on the reluctance of spa owners to support additional geothermal use in the downtown area.

A variety of evidence suggests that a larger and hotter geothermal system may exist outside of town and away from the Rio Grande in the vicinity of the

Mud Springs Mountains. The currently known geothermal area probably represents outflow that has mixed with cold shallow ground water that is associated with the Rio Grande. Beds of opal (fossil hot spring (?) deposits) occur near the top of Pleistocene ancestral Rio Grande fluvial deposits. One bed is exposed in a road cut along I-25. Some manganese mineralization also occurs in nearby fluvial sand deposits. Late Pleistocene faults occur near the mineralized area. However, the most important structures are Laramide (Late Cretaceous to early Eocene) reverse faults that extend from T or C westward along the southwest margin of the Mud Springs Mountains. Such structures appear to provide first-order structure and deep plumbing for geothermal systems at Rincon, Radium Springs, Derry Warm Springs, and San Diego Mountain further south along the Rio Grande.

Some exploration has been done in the area including electrical resistivity (Jiracek and Mahoney (1981), heat flow studies (Sanford and others, 1979), reconnaissance geologic mapping in the Mud Springs Mountains and hydrogeologic evaluation (Wells and Granzow, 1981). Reported heat-flow measurements are insufficient to shed much information on the system as they are located far from the noted mineralization and probable structural control. The resistivity surveys map areas of low resistivity and steep resistivity gradients in the area of interest.

A hotter geothermal resource located north and west of T or C has potential for space heating, district heating, geothermal greenhousing and aquaculture. A 'phase 1' exploration effort is required to identify and confirm a probable system outside of downtown T or C. This effort should be concentrated near mineralized Pleistocene sediments of the ancestral Rio Grande. Detailed mapping (1:12,000 scale) of Quaternary geology and bedrock geology at the southeastern end of the Mud Springs Mountains should be performed. A thorough hydrochemical study of the known system in downtown T or C would be useful to evaluate mixing and probable sources of the water. Radon soil-gas, soil mercury, and SP surveys may identify potential upflow zones for shallow temperature gradient evaluation. If a system is found, sufficient local support would likely be generated to pursue use in the near future. In any case, more will be learned on the nature of the known resource in T or C and how to manage the resource so that current users interests are better insured in the future.

Las Cruces East Mesa/Tortugas Mountain

One of the largest 'convective' low-temperature geothermal systems in the United States occurs east of Las Cruces and southward along I-10 and I-25 nearly to the Texas line. This system, as outlined by more than 70 shallow temperature-gradient holes, is nearly 20 miles (32 km) long and 2 to 3 miles (3.2 to 4.8 km) wide over a buried horst block (Lohse and Icerman, 1982). Reservoir temperatures range from 40 to 70 °C. Production wells at New Mexico State University, and various industry exploration wells indicates a highly productive fractured reservoir system in Paleozoic carbonate rocks, Tertiary volcanic rocks, and older Tertiary basin-fill sediments. Production in excess of 1,000 gpm (63 L/s) has been demonstrated by NMSU production well PG-4 and inferred by the Chaffee geothermal test wells (Cunniff and Chintawongvanich, 1985). Available heat-flow data indicates that the total heat loss of the system exceeds 50 MWt with a natural mass flux exceeding 15,000 acre/ft per year ($18 \times 10^6 \text{ m}^3$) of 70 °C water (Witcher and Schoenmackers, 1990).

Current use of geothermal includes a district heating system for the New Mexico State University campus, a research and business start-up (incubator) greenhouse and aquaculture facility operated by SWDTI at NMSU, and a commercial 2 acre (8,093 m²) greenhouse operated by J & K Growers. J & K Growers leased the SWTDI/NMSU facility to startup their business prior to moving to their present location. J & K Growers have increased the size of their greenhouse business annually.

Near-term geothermal utilization includes more geothermally-heated commercial greenhouses, aquaculture, and space heating of large buildings to include schools, hotels, and businesses. District residential heating is believed to be only marginally feasible due to generally mild winters. Access to the area is good and much of the resource is adjacent to the city or within the city limits.

The U. S. Bureau of Land Management has recently designated more than 40 km² of the area as a KGRA. This action discourages direct-use operators by adding additional time, paper work, and risk to business planning and execution.

A major attribute of this resource is co-location with one of the fastest growing medium-sized cities in the United States. In fact, the city of Las Cruces is growing in the direction of the resource at a rapid rate. Definitive integration of geothermal energy into city and public school planning is needed. Some

feasibility studies were conducted in cooperation with the city and SWTDI/NMSU more than 10 years ago for existing large buildings near, but outside, the resource area (Icerman and Whittier, 1983; and CH²MHILL, 1984). These studies need to be updated and applied to plans and projections of growth over the resource area proper. A significant cost-shared drilling or a demonstration project in the commercial or local government sectors and outside of the NMSU area is probably needed to fully realize the potential for Las Cruces. City and county officials are aware of geothermal energy and have been supportive of SWTDI/NMSU initiatives at Rincon and Radium Springs. However, momentum and general awareness needs to be fostered for potential of the Las Cruces East Mesa geothermal resource.

Montezuma Hot Springs/United World College

The Armand Hammer United World College at Montezuma Hot Springs near Las Vegas, New Mexico is interested in using geothermal energy for space heating the college in order to replace a coal-fired boiler. Sandia National Laboratory, Los Alamos National Laboratory and SWTDI/NMSU have teamed up to provide UWC with geotechnical and engineering services.

Initial 'phase 1' work is needed to determine the production potential of the resource and to determine the influence that a production well will have on the long-term flow of Montezuma Hot Springs. Resource quality and degradation potential on natural spring flow rate will dictate the geothermal heating approach. The least expensive alternatives are direct-use space heating or the use of ground water-coupled heat pumps.

The gross structural control for the Montezuma Hot Springs is a southern Rocky Mountain 'front range' structure consisting of a Laramide reverse fault and attendant fold structure that forms the vergent margin the basement-cored Sangre De Cristo uplift (Baltz, 1972; and Bejnar and Bejnar, 1979). This structure and others of similar nature continue northward into Colorado. It is possible that additional geothermal systems occur elsewhere on this trend, especially in the Mora, New Mexico area north of Las Vegas. It is also possible that Montezuma Hot Springs proper represents a larger local geothermal system that could provide geothermal for more users than UWC.

SWTDI/NMSU was recently awarded a contract from the State of New Mexico Department of Economic Development that will be used to provide a

state match for a 'phase 1' evaluation of the resource at Montezuma Hot Springs. Sandia and Los Alamos labs have authorization from the U. S. DOE to apply federal funds as a match in the labs joint efforts in the 'phase 1' work.

A successful geothermal heating system at UWC will provide a high visibility demonstration of geothermal technology in northern New Mexico. Also, if the resource base in the area is determined to be larger, significant economic benefits will accrue to this economically depressed region of New Mexico.

Radium Springs

Radium Springs is the site of the second largest geothermally-heated greenhouse in the United States at 9.5 acres (38,440 m²). At the present time, construction is proceeding on two additional acres (8,000 m²) and land is being prepared for 4 more acres (16,000 m²) of greenhouse. Prior to building the facility at Radium Springs, Alexander Masson of Lindeville, Kansas leased space in the SWTDI/NMSU greenhouse facility at Las Cruces in order to assist with business startup in New Mexico.

While the Masson greenhouse at Radium Springs is on private land, most of the area is either a part of the Radium Springs KGRA or the NMSU Research Ranch. The extreme southern and northern areas are located adjacent to fresh water that occurs in Rio Grande flood plain alluvial deposits.

The geothermal resource in the area is extensive across an area 3 miles (4.8 km) wide by 10 miles (16 km) in length, extending from Radium Springs on the south to San Diego Mountain on the north (Witcher and Schoenmackers, 1990). Deep drilling (8,000 to 9,000 feet or 2,438 to 2,743 m) by Hunt Energy indicates a deep reservoir in Paleozoic carbonate and Precambrian granite. Temperatures in the deep reservoir are not known, but they are probably between 100 and 150°C. Several shallow and isolated reservoirs or upflow zones in fractured rhyolite dikes and plugs and fault zones provide discharge to the near surface from the deep system. With wells less than 250 feet (76 m) deep, the Masson greenhouse taps 65 to 70 °C water that is contained in a large rhyolite dike.

Because of the limited extent of the upflow vertical permeability, nearness to the Rio Grande, and increasing geothermal production, studies are needed to detail shallow reservoir interaction with the Rio Grande and coupling of production and injection. These are potential problems that greenhouse

operators, with lay knowledge of geology and hydrogeology, have trouble understanding and are generally not receptive to spending money for monitoring and evaluation. This attitude is probably universal in early development experience, even among engineers, geologists, and managers, as experience in over development of ground water in the arid West demonstrates. With direct-use geothermal there are few case studies that directly address these types of sustained production problems. A large geothermally-heated commercial greenhouse is a significant investment and provides much economic benefits through jobs, taxes, and local purchases. Cost-shared private and government funded studies may be a way to quantify and understand the best way to proceed with development and monitor a low-temperature resource that is palatable to pioneer operators in the current early stages of low-temperature geothermal development in the United States.

Jemez Pueblo

A poorly explored resource occurs within 1.5 miles (2.4 km) of the Jemez Pueblo in northcentral New Mexico. This resource represents a distal discharge from the outflow plume of the high-temperature Baca geothermal system in the Jemez Mountains (Witcher and others, 1992). Reconnaissance exploration by SWTDI/NMSU includes geologic mapping, geochemistry, a detailed gravity profile, and one mile (1.6 km) of shallow seismic reflection survey in two profiles, and a State Legislature funded shallow exploratory well (Witcher, 1988, 1990, and 1991). This well produces a 250 gpm (15.8 L/s) artesian flow of 57.8 °C water with 3,366 mg/L TDS. Fresh water is co-located with this shallow resource.

Tribal officials are very interested in using the geothermal resource as a spring board for much needed economic development to provide income and jobs for the Jemez People. The resource is also located near the Pueblo and it may be feasible to economically provide space heating. Potential uses include geothermal greenhousing, a spa/resort, geothermal aquaculture, and district heating.

Drawbacks include slow tribal decision making which results from frequent change over in tribal leadership. Also, resource utilization will require suitable heat exchangers and materials to control corrosion.

SWTDI/NMSU and pueblo officials are currently discussing approaches for detailed feasibility and action/business plans for direct-use geothermal utilization as a next step toward the eventual use of the resource.

Jicarilla Apache Reservation

The Jicarilla Apache are currently working with the NMSU Agriculture College on an Agricultural Sciences Center in northern New Mexico and to economically develop tribal lands. The Jicarilla Apache and the NMSU Agriculture College have invited SWTDI/NMSU to participate in evaluation of the geothermal resource base in this region. In June 1995, the Jicarilla leadership passed a resolution to begin an assessment of the geothermal resources in the region.

The Jicarilla Apache have significant oil and gas production on the southern portion of the reservation. This area is in the eastern portion of the San Juan Basin which has abnormally high heat flow for the Colorado Plateau (Minier and Reiter, 1991, and Reiter and Mansure, 1983). Heat flow is similar to the Rio Grande rift and southern Basin and Range provinces. Many petroleum wells have encountered hot saline water ranging from 50 to 110 °C, indicating a significant deep-seated conductive geothermal resource. Currently, the petroleum industry disposes much of this water in injection wells.

The northern portion of the Jicarilla Apache reservation is bounded on the north by Colorado. The area also is home to most of the tribe. Tribal headquarters are in Dulce which has harsh winters due to its elevation. The area is astride the Archuleta Arch, a northwest trending structure extending northward into Colorado. Several important geothermal occurrences exist along this trend in Colorado, including Pagosa Hot Springs. Numerous Tertiary dikes in the Dulce area may provide vertical permeability for upflow of deep-seated conductive thermal waters.

Potential uses may include geothermal space heating, geothermal greenhousing, aquaculture, and oil field cleanup and disposal with geothermal artificial wetlands.

McGregor Range, New Mexico (Ft Bliss)

An area covering more than 40 km² with abnormally high temperature gradients occurs just north of the New Mexico and Texas boundary within the McGregor Range military reservation (Henry and Gluck, 1981; and Taylor, 1981). Ft Bliss (Army), in conjunction with SWTDI/NMSU and the University of Texas at El Paso (UTEP), is currently investigating the resource potential in this area to determine if geothermal can lower energy costs for Army facilities in the region.

Hillsboro Warm Springs

Hillsboro is a small community west of Truth or Consequences in the foothills of the Black Range. Ranching, mining, and tourism provide an economic base for the area. About 3 miles (4.8 km) north of the community, a group of thermal springs occur on private land. Temperature-gradient/heat-flow studies (Files, SWTDI), geothermometry (Swanberg, 1980 and 1984), and preliminary SP studies (Ross and Witcher, in progress) indicate potential for an intermediate temperature (>90 °C) resource at shallow depths. Potential use of a resource in this area may include minerals extraction, greenhousing, small-scale binary electrical power, and district heating. An important porphyry copper deposit occurs at Copper Flat about 2 miles (3.2 km) east of the thermal springs (Dunn, 1982).

Acoma

An potentially important conductive geothermal resource occurs in the San Andres limestone along Interstate 40 about 10 miles (16 km) east of Grants on the Acoma Reservation. Test drilling by the U. S. Geological Survey Water Resources Division (USGS-WRD) shows that flowing artesian thermal wells may be developed in this area (Kues, 1989; White and Kelley, 1980; and Baldwin and Anderholm, 1992). Because this area is also in the heart of the Grants uranium belt, potential uses of geothermal may include greenhousing and algae culture which produces crops suitable for mine reclamation and waste-water cleanup. Small-scale space and district heating is also possible in the near-term,

considering the areas local climate and concentration of rural population along the Interstate.

Faywood Hot Springs

Faywood Hot Springs has recently been sold by Phelps Dodge, a major mining company, to a private individual, opening the way for possible small-scale commercial geothermal utilization. The area is well situated with respect to highway transportation.

Lightning Dock

The Lightning Dock geothermal system is certainly a high priority area as past performance in geothermal development will attest. This area currently has the largest geothermally-heated greenhouse complex in the nation at more than 30 acres (121,000 m²). Burgett Geothermal Greenhouses grow roses that are marketed throughout the Southwest and the rest of the country. From a hydrogeologic standpoint, it is unknown how current or future use will affect sustainable resource use.

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APPENDIX 1

GEOHERMAL SITES AND LOCATION DATA TABLES

NOTES:

| | |
|-----------|--|
| SITE ID | geothermal site number |
| NAME | well or spring name |
| W/S | well - w / spring - s |
| COUNTY | county name |
| DEPTH | well depth (meters) |
| TEMP | temperature °C |
| LATITUDE | degrees |
| LONGITUDE | degrees |
| QUAD | quadrant of state (see Appendix 6 for description) |
| TWN | township (see Appendix 6 for description) |
| RNG | range (see Appendix 6 for description) |
| SEC | section (see Appendix 6 for description) |
| QTR | section quarters (see Appendix 6 for description) |

| SITE ID | NAME | W/S | COUNTY | DEPTH m | TEMP C | LATITUDE | LONGITUDE | QUAD | TWN | RNG | SEC | QTR |
|---------|---------------------------------------|-----|------------|------------|-----------|----------|-----------|------|-----|-----|-----|------|
| BE1 | well | w | Bernalillo | 362.1 | 40.5 | 35.0797 | 106.7211 | 2 | 10 | 2 | 22 | 143 |
| BE2 | well | w | Bernalillo | 371.9 | 34.5 | 35.0786 | 106.7319 | 2 | 10 | 2 | 21 | 412 |
| BE3 | well | w | Bernalillo | 373.1 | 33 | 35.0803 | 106.8253 | 2 | 10 | 1 | 22 | 322 |
| BE4 | West Mesa #1 | w | Bernalillo | | 32.2 | 35.0750 | 106.7367 | | | | | |
| BE5 | West Mesa #4 | w | Bernalillo | | 32.1 | 35.0800 | 106.7233 | | | | | |
| BE6 | well | w | Bernalillo | 387.4 | 32 | 35.0717 | 106.6894 | 2 | 10 | 2 | 25 | 111 |
| BE7 | Don #1 | w | Bernalillo | 490 | 31.4 | 35.0683 | 106.7517 | | | | | |
| BE8 | well | w | Bernalillo | 359.7 | 31 | 35.0722 | 106.7414 | 2 | 10 | 2 | 21 | 343 |
| BE9 | West Mesa #2 | w | Bernalillo | | 30.6 | 35.0850 | 106.7317 | | | | | |
| BE10 | well | w | Bernalillo | | 30 | 35.0522 | 106.7261 | 2 | 10 | 2 | 33 | 240 |
| BE11 | well | w | Bernalillo | | 30 | 35.0814 | 106.7483 | 2 | 10 | 2 | 28 | 212 |
| BE12 | well | w | Bernalillo | | 30 | 35.0853 | 106.7236 | 2 | 10 | 3 | 21 | 213 |
| BE13 | College #2 | w | Bernalillo | 480.1 | 30 | 35.1033 | 106.7358 | | | | | |
| BE14 | well | w | Bernalillo | | 29.0 | 35.1183 | 106.7100 | 2 | 10 | 2 | 15 | |
| CA1 | hot spring | s | Catron | | 64.8 | 33.2333 | 108.2367 | 3 | 12 | 14 | 24 | 44 |
| CA2 | hot spring | s | Catron | | 60.6 | 33.2333 | 108.2417 | 3 | 12 | 14 | 24 | 411 |
| CA3 | Lower Frisco Hot Spring | s | Catron | | 46.11 | 33.2450 | 108.8817 | 3 | 12 | 20 | 23 | 12 |
| CA4 | Lower Frisco Hot Spring | s | Catron | | 43.3 | 33.2450 | 108.8817 | 3 | 12 | 20 | 23 | 32 |
| CA5 | Lower Frisco Hot Spring | s | Catron | | 43 | 33.2447 | 108.8811 | 3 | 12 | 20 | 23 | 321 |
| CA6 | Lower Frisco Hot Spring | s | Catron | | 40.0 | 33.2467 | 108.8783 | 3 | 12 | 20 | 23 | 14 |
| CA7 | Upper Frisco Hot Spring | s | Catron | | 36.5 | 33.8314 | 108.7994 | 3 | 5 | 19 | 35 | 132 |
| CA8 | Gila Middle Fork Hot Spring | s | Catron | | 36.0 | 33.2900 | 108.2650 | 3 | 11 | 14 | 34 | 24 |
| CA9 | Lower Frisco Hot Spring | s | Catron | | 35 | 33.2447 | 108.8811 | 3 | 12 | 20 | 23 | 321 |
| CA10 | Pueblo Windmill | w | Catron | 320 | 33.8 | 34.5389 | 108.7772 | 1 | 4 | 19 | 25 | 414 |
| CA11 | Frieborn Canyon Hot Spring | s | Catron | | 33.33 | 33.7100 | 109.0100 | 3 | 7 | 21 | 9 | 442 |
| CA12 | hot spring | s | Catron | | 32.8 | 33.2600 | 108.2300 | 3 | 12 | 13 | 7 | 34 |
| CA13 | test well | w | Catron | 182.9 | 32.2 | 33.2200 | 108.2200 | 3 | 12 | 13 | 30 | 231 |
| CA14 | well | w | Catron | | 32 | 33.9575 | 107.8014 | 3 | 4 | 9 | 17 | 311 |
| CA15 | well | w | Catron | 182.9 | 32 | 33.2250 | 108.2417 | 3 | 12 | 14 | 25 | 231 |
| CA16 | Gila Middle Fork Hot Spring | s | Catron | | 31.0 | 33.2833 | 108.2633 | 3 | 11 | 14 | 35 | 34 |
| CA17 | well | w | Catron | 411.5 | 28 | 34.5400 | 108.8300 | 1 | 4 | 19 | 28 | 234 |
| CA18 | Gila Middle Fork Meadows HS | s | Catron | | 27.5 | 33.3100 | 108.3300 | 3 | 11 | 14 | 30 | 2 |
| CA19 | warm seep | s | Catron | | 27.2 | 33.2900 | 108.2600 | 3 | 11 | 14 | 35 | 4 |
| CA20 | Zuni Salt Lake Warm Spring | s | Catron | | 26.0 | 34.4550 | 108.7667 | 1 | 3 | 18 | 30 | 31 |
| CA21 | Gila Middle Fork Pool HS | s | Catron | | | 33.2333 | 108.2333 | 3 | 12 | 13 | 31 | 1 |
| CA22 | Gila Middle Fork Hot Spring | s | Catron | | 37 | 33.2833 | 108.2666 | 3 | 11 | 14 | 35 | 32 |
| CA23 | Gila Middle Fork Hot Spring | s | Catron | | 34 | 33.2666 | 108.2500 | 3 | 12 | 14 | 1 | 33 |
| CB2 | well | w | Cibola | 884.2 | 52.8 | 35.0644 | 107.7406 | 1 | 10 | 9 | 25 | 3241 |
| CB3 | Acoma #1 Well | w | Cibola | 766.3 | 41.5 | 34.9806 | 107.7983 | 1 | 9 | 9 | 28 | 1344 |
| CB4 | well | w | Cibola | 615.4 | 41 | 34.6208 | 107.6542 | 1 | 5 | 8 | 35 | 123 |
| CB5 | well | w | Cibola | 807.7 | 38.1 | 34.8914 | 107.6278 | 1 | 8 | 8 | 25 | 4231 |
| CB6 | well | w | Cibola | 984.2 | 36 | 34.8931 | 108.4147 | 1 | 8 | 15 | 27 | 311 |
| CB7 | well | w | Cibola | 807.7 | 34.5 | 35.0147 | 107.4836 | 1 | 9 | 6 | 16 | 111 |
| CB8 | well | w | Cibola | 848.3 | 34 | 34.7625 | 107.9356 | 1 | 6 | 10 | 7 | 1413 |
| CB9 | well | w | Cibola | 524.3 | 34 | 35.0189 | 107.3097 | 1 | 9 | 5 | 12 | 4424 |
| CB10 | well | w | Cibola | 671.5 | 33.1 | 34.9006 | 107.4992 | 1 | 8 | 6 | 20 | 3334 |
| CB12 | well | w | Cibola | | 32 | 35.0939 | 108.4383 | 1 | 10 | 15 | 17 | 414 |
| CB13 | Salado Spring | s | Cibola | | 25 | 34.6900 | 107.4900 | 1 | 5 | 6 | 5 | 42 |
| CV1 | well | w | Chaves | | 33 | 33.0500 | 104.6808 | 4 | 15 | 23 | 6 | 22 |
| DA1 | Chaffee 55-25 | w | Dona Ana | 806.2 | 68 | 32.2781 | 106.6889 | 4 | 23 | 2 | 25 | 4111 |
| DA2 | Radium Hot Springs Bailey Well #15 | w | Dona Ana | | 70.0 | 32.4967 | 106.9167 | 3 | 21 | 1 | 10 | |
| DA3 | Clary and Ruther State 1 | w | Dona Ana | 784.3 | 69.4 | 32.2717 | 106.6981 | 4 | 23 | 2 | 36 | 1111 |
| DA4 | Chaffee 35-25 | w | Dona Ana | 196.6 | 68 | 32.2667 | 106.6833 | 4 | 23 | 2 | 25 | 123 |
| DA5 | LC-2 | w | Dona Ana | 269.8 | 67.9 | 32.3333 | 106.7000 | 4 | 23 | 2 | 34 | |
| DA6 | Exxon Beard Ole Federal | w | Dona Ana | 1219.5 | 65.5 | 32.3236 | 106.7128 | 4 | 23 | 2 | 11 | 1341 |
| DA7 | Chaffee 12-24 | w | Dona Ana | 400.8 | 65 | 32.2833 | 106.6833 | 4 | 23 | 2 | 24 | 311 |
| DA8 | NMSU PG-3 | w | Dona Ana | 265.2 | 63.3 | 32.2878 | 106.7158 | 4 | 23 | 2 | 22 | 4442 |
| DA9 | Radium Hot Springs Bailey's bathhouse | w | Dona Ana | 6.1 | 60.8 | 32.4967 | 106.9167 | 3 | 21 | 1 | 10 | 213 |
| DA10 | Certified Sand Well | w | Dona Ana | 182.9 | 58.8 | 32.2833 | 106.6833 | 4 | 23 | 2 | 14 | 431 |
| DA11 | T-14 | w | Dona Ana | 1833 | 54.4 | 32.3900 | 106.4200 | 4 | 22 | 5 | 15 | 221 |
| DA12 | Radium Hot Springs Hotel Well #2 | w | Dona Ana | 10.4 | 52.5 | 32.5003 | 106.7503 | 3 | 21 | 1 | 10 | 213 |
| DA13 | LC-1 | w | Dona Ana | 239.3 | 52.5 | 32.3089 | 106.7222 | 4 | 23 | 2 | 15 | 2334 |
| DA14 | Radium Hot Springs Roy Smith Well | w | Dona Ana | | 50.0 | 32.4967 | 106.9167 | 3 | 21 | 1 | 10 | |
| DA15 | NMSU PG-2 | w | Dona Ana | 153.9 | 47.7 | 32.2831 | 106.7250 | 4 | 23 | 2 | 27 | 1243 |
| DA16 | Pure Oil Federal "H" 1 | w | Dona Ana | 207.3 | 45 | 31.9494 | 106.9994 | 3 | 28 | 2 | 24 | 213 |
| DA17 | Nations Well | w | Dona Ana | 108 | 43 | 32.2689 | 106.7194 | 4 | 23 | 2 | 34 | 2233 |
| DA18 | well | w | Dona Ana | 64.6 | 43 | 32.2697 | 106.7217 | 4 | 23 | 2 | 34 | 214 |

| SITE ID | NAME | W/S | COUNTY | DEPTH m | TEMP C | LATITUDE | LONGITUDE | QUAD | TWN | RNG | SEC | QTR |
|---------|---------------------------------------|-----|----------|------------|-----------|----------|-----------|------|-----|-----|-----|------|
| DA19 | Husand Well | w | Dona Ana | 106 | 42.5 | 32.2500 | 106.7167 | 4 | 23 | 2 | 34 | 234 |
| DA20 | well | w | Dona Ana | 471.8 | 42.5 | 31.9942 | 106.8489 | 4 | 27 | 1 | 4 | 121A |
| DA21 | Rowan well | w | Dona Ana | 100.6 | 36.8 | 32.2500 | 106.7167 | 4 | 23 | 2 | 34 | |
| DA22 | Tellyer Well | w | Dona Ana | 148.1 | 36.5 | 32.2633 | 106.7208 | 4 | 23 | 2 | 34 | 4123 |
| DA23 | Running Indian Well | w | Dona Ana | 320 | 36 | 32.2625 | 107.0144 | 3 | 23 | 2 | 35 | 411 |
| DA24 | well | w | Dona Ana | | 36.0 | 32.6333 | 107.0000 | | | | | |
| DA25 | well | w | Dona Ana | 219.5 | 35.56 | 32.0667 | 106.6139 | 4 | 26 | 3 | 2 | |
| DA26 | NMSU GD-1 | w | Dona Ana | 185 | 35 | 32.2883 | 106.7325 | 4 | 23 | 2 | 21 | 4424 |
| DA27 | White well | w | Dona Ana | 94.8 | 34.5 | 32.2500 | 106.7167 | 4 | 23 | 2 | 34 | |
| DA28 | well | w | Dona Ana | 59.4 | 34 | 32.5514 | 107.2922 | 3 | 20 | 4 | 19 | 324 |
| DA29 | well | w | Dona Ana | 131.1 | 33.5 | 32.0525 | 106.8711 | 4 | 26 | 1 | 18 | 222 |
| DA30 | well | w | Dona Ana | 213.4 | 33.3 | 31.9394 | 106.6547 | 4 | 27 | 3 | 20 | 432 |
| DA31 | Gardner Well | w | Dona Ana | 171.6 | 33 | 32.0100 | 106.0900 | 3 | 26 | 1 | 25 | 414 |
| DA32 | T-15 | w | Dona Ana | 623 | 33 | 32.3500 | 106.4300 | 4 | 22 | 5 | 33 | 244 |
| DA33 | well | w | Dona Ana | 365.8 | 32.22 | 32.2700 | 106.9800 | 3 | 23 | 1 | 31 | 432 |
| DA34 | well | w | Dona Ana | 243.8 | 32 | 32.2583 | 107.7833 | 3 | 23 | 2 | 35 | 430 |
| DA35 | T-17 | w | Dona Ana | 765 | 32 | 32.2800 | 106.4100 | 4 | 23 | 5 | 27 | 142 |
| DA36 | Berino Well | w | Dona Ana | 152.7 | 31.1 | 32.0675 | 106.6147 | 4 | 26 | 3 | 11 | 111 |
| DA37 | Souse Springs | s | Dona Ana | | 31.0 | 32.6067 | 107.1950 | 3 | 19 | 3 | 31 | 34 |
| DA38 | Test Hole | w | Dona Ana | | 31 | 32.1300 | 107.1600 | 3 | 25 | 3 | 17 | 111 |
| DA39 | well | w | Dona Ana | | 31 | 32.1394 | 106.6647 | 4 | 25 | 1 | 17 | 111 |
| DA40 | well | w | Dona Ana | | 31 | 32.0047 | 106.6097 | 4 | 26 | 3 | 35 | 141 |
| DA41 | well | w | Dona Ana | 304.5 | 31 | 31.8256 | 106.8261 | 4 | 28 | 1 | 34 | 414 |
| DA42 | well | w | Dona Ana | 306 | 31 | 32.8236 | 106.6319 | 4 | 28 | 3 | 34 | 331 |
| DA43 | Pol Ranch Windmill | w | Dona Ana | | 30.5 | 32.0183 | 107.2617 | 3 | 26 | 4 | 28 | 131 |
| DA44 | SC2 | w | Dona Ana | | 30.5 | 32.2842 | 106.4314 | 4 | 23 | 5 | 28 | 223 |
| DA45 | well | w | Dona Ana | 549.3 | 30.5 | 31.9556 | 106.6989 | 4 | 27 | 2 | 13 | 331 |
| DA46 | T-18 | w | Dona Ana | 72.8 | 30 | 32.3361 | 106.4575 | 4 | 23 | 5 | 5 | 321 |
| DA47 | Dominguez Brothers Well | w | Dona Ana | 76.2 | 30 | 32.1522 | 106.6544 | 4 | 25 | 3 | 8 | 214 |
| DA48 | well | w | Dona Ana | | 28.0 | 32.1533 | 106.9900 | 3 | 25 | 1 | 7 | 11 |
| DA49 | Railroad Well | w | Dona Ana | | | 32.6800 | 107.0300 | 3 | 19 | 2 | 9 | 12 |
| DA50 | Radium Springs College Ranch Windmill | w | Dona Ana | | | 32.5383 | 106.9394 | 3 | 20 | 1 | 27 | 34 |
| DA51 | Radium Hot Springs Hotel Well #1 | w | Dona Ana | 3.7 | | 32.4967 | 106.9167 | 3 | 21 | 1 | 10 | 213 |
| DA52 | Radium Springs Masson 21 | w | Dona Ana | 85.3 | 76.1 | 32.5000 | 106.9167 | 3 | 21 | 1 | 10 | 211 |
| DA53 | Radium Springs Masson 22 | w | Dona Ana | | | 32.5000 | 106.9167 | 3 | 21 | 1 | 10 | 111 |
| DA54 | Radium Springs Masson 23 | w | Dona Ana | | | 32.5000 | 106.9167 | 3 | 21 | 1 | 10 | 112 |
| DA55 | Radium Springs Masson 26 | w | Dona Ana | 36.6 | 76.7 | 32.5000 | 106.9167 | 3 | 21 | 1 | 10 | 211 |
| DA56 | Radium Springs Ryan 72-35 | w | Dona Ana | 20.7 | 51.7 | 32.5000 | 106.9167 | 3 | 21 | 1 | 10 | 223 |
| DA57 | NMSU GD-2 | w | Dona Ana | 302 | | 32.2833 | 106.7181 | 4 | 23 | 2 | 27 | 1133 |
| DA58 | NMSU OW-1 | w | Dona Ana | 262.1 | | 32.2839 | 106.7164 | 4 | 23 | 2 | 27 | 2242 |
| DA59 | NMSU PG-1 | w | Dona Ana | 262.1 | | 32.2842 | 106.7170 | 4 | 23 | 2 | 27 | 2241 |
| DA60 | NMSU PG-4 | w | Dona Ana | 309.4 | | 32.2881 | 106.7144 | 4 | 23 | 2 | 23 | 3314 |
| DA61 | Radium Springs Masson 25 (injection) | w | Dona Ana | 62.8 | | 32.5000 | 106.9167 | 3 | 21 | 1 | 10 | |
| DA62 | Radium Springs Masson 27 (injection) | w | Dona Ana | 24.4 | | 32.5000 | 106.9167 | 3 | 21 | 1 | 10 | |
| DA63 | Radium Springs Masson 28 | w | Dona Ana | 36.6 | 71.7 | 32.5000 | 106.9167 | 3 | 21 | 1 | 10 | 211 |
| ED1 | Clayton Well | w | Eddy | | 31 | 32.5603 | 104.2942 | 4 | 20 | 27 | 21 | 133 |
| GR1 | Milmbres Hot Springs #3 | s | Grant | | | 32.7483 | 107.8350 | 3 | 18 | 10 | 13 | 11 |
| GR2 | Gila Hot Springs Doyle Well | w | Grant | 138.7 | 74 | 33.1967 | 108.2035 | 3 | 13 | 13 | 5 | 2323 |
| GR3 | Turkey Creek Hot Spring | s | Grant | | 74.0 | 33.1083 | 108.4833 | 3 | 14 | 16 | 3 | 34 |
| GR4 | Gila Hot Springs Campbell #4 Well | w | Grant | 72.5 | 72 | 33.1983 | 108.2033 | 3 | 13 | 13 | 5 | 2141 |
| GR5 | Gila Spring Hot Spring #14 | s | Grant | | 66 | 33.2000 | 108.2000 | 3 | 13 | 13 | 5 | 2 |
| GR6 | Gila HS northern artesian well | w | Grant | | 65 | 33.2000 | 108.2083 | 3 | 13 | 13 | 5 | 12 |
| GR7 | Gila Hot Springs | s | Grant | | 64 | 33.1986 | 108.2044 | 3 | 13 | 13 | 5 | 214 |
| GR8 | well | w | Grant | 158.5 | 62.2 | 32.6700 | 108.0300 | 3 | 19 | 12 | 12 | |
| GR9 | Gila HS middle artesian well | w | Grant | | 62 | 33.2000 | 108.2083 | 3 | 13 | 13 | 5 | 12 |
| GR10 | Gila Hot Springs Campbell #2 Well | w | Grant | 84.4 | 61 | 33.2000 | 108.2044 | 3 | 13 | 13 | 5 | 212 |
| GR11 | Milmbres Hot Springs #25 | s | Grant | | 59 | 32.7483 | 107.8350 | 3 | 18 | 10 | 13 | 11 |
| GR12 | Milmbres Hot Springs #28 | s | Grant | | 58.06 | 32.7483 | 107.8350 | 3 | 18 | 10 | 13 | 11 |
| GR13 | Gila Spring Hot Spring #41 | s | Grant | | 58 | 33.2000 | 108.2000 | 3 | 13 | 13 | 5 | 2 |
| GR14 | Milmbres Hot Springs | s | Grant | | 58 | 32.7492 | 107.8344 | 3 | 18 | 10 | 13 | 111 |
| GR15 | Milmbres Hot Springs #8 | s | Grant | | 57.5 | 32.7483 | 107.8350 | 3 | 18 | 10 | 13 | 11 |
| GR16 | Milmbres Hot Springs #12 | s | Grant | | 56.4 | 32.7483 | 107.8350 | 3 | 18 | 10 | 13 | 11 |
| GR17 | Milmbres Hot Springs #21 | s | Grant | | 55 | 32.7483 | 107.8350 | 3 | 18 | 10 | 13 | 11 |
| GR18 | Milmbres Hot Springs #23 | s | Grant | | 54.44 | 32.7483 | 107.8350 | 3 | 18 | 10 | 13 | 11 |
| GR19 | Faywood Hot Springs | s | Grant | | 53 | 32.5547 | 107.9950 | 3 | 20 | 11 | 20 | 243 |
| GR20 | Gila Lyons Lodge swimming pool HS | s | Grant | | 52.2 | 33.1847 | 108.1744 | 3 | 13 | 13 | 10 | 121 |
| GR21 | well | w | Grant | | 52 | 33.1847 | 108.1744 | 3 | 13 | 13 | 10 | 121 |

| SITE ID | NAME | W/S | COUNTY | DEPTH m | TEMP C | LATITUDE | LONGITUDE | QUAD | TWN | RNG | SEC | QTR |
|---------|--|-----|------------|------------|-----------|----------|-----------|------|-----|-----|-----|-------|
| GR22 | Gila River Waterfall HS | s | Grant | | 43.6 | 33.1633 | 108.1833 | 3 | 13 | 13 | 17 | 32 |
| GR23 | Gila East Fork no name spring | s | Grant | | 41.39 | 33.1833 | 108.1667 | 3 | 13 | 13 | 10 | 2 |
| GR24 | Kennecott Warms Springs Well #9 | w | Grant | 36.6 | 41.1 | 32.5700 | 108.0200 | 3 | 20 | 11 | 18 | 3133 |
| GR25 | Gila East Fork Hot Spring | s | Grant | | 36.0 | 33.1917 | 108.1833 | 3 | 13 | 13 | 10 | 121 |
| GR26 | Gila Lyons Lodge East Fork Hot Springs | s | Grant | | 35.56 | 33.1847 | 108.1744 | 3 | 13 | 13 | 10 | 121 |
| GR27 | Kennecott Warm Spring Well #3 | w | Grant | 68 | 34.55 | 32.5700 | 108.0200 | 3 | 20 | 11 | 18 | 310 |
| GR28 | Kennecott Warms Springs Well #2 | w | Grant | 13.4 | 34.4 | 32.5700 | 108.0200 | 3 | 20 | 11 | 18 | 31434 |
| GR29 | Kennecott Warms Springs Well #3 | w | Grant | 68 | 34.4 | 32.5700 | 108.0200 | 3 | 20 | 11 | 18 | 33221 |
| GR30 | Cliff Warm Well | w | Grant | 91.4 | 33.5 | 32.9758 | 108.5931 | 3 | 15 | 17 | 27 | 111 |
| GR31 | Kennecott Warm Springs Well #1 | w | Grant | 7.6 | 33.3 | 32.5700 | 108.0200 | 3 | 20 | 11 | 18 | 332 |
| GR32 | Muir Ranch well | w | Grant | | 33.0 | 32.2283 | 108.5117 | 3 | 24 | 16 | 8 | 32 |
| GR33 | Ground Hog Mine | w | Grant | 670 | 32 | 32.7800 | 108.0100 | 3 | 17 | 12 | 32 | 44414 |
| GR34 | well | w | Grant | 609.6 | 32 | 32.7797 | 108.0994 | | | | | |
| GR35 | well | w | Grant | 268.5 | 31.1 | 32.6444 | 108.1278 | | | | | |
| GR36 | Spring Canyon Warm Spring | s | Grant | | 31.0 | 32.8767 | 108.5833 | 3 | 16 | 17 | 34 | 21 |
| GR37 | Apache Tejo Warm Springs Well #7 | w | Grant | 268.5 | 31 | 32.6444 | 108.1278 | 3 | 19 | 12 | 19 | 13212 |
| GR38 | Kennecott Warms Springs Well #4 | w | Grant | 89 | 30.5 | 32.5700 | 108.0200 | 3 | 20 | 11 | 18 | 133 |
| GR39 | Riverside Well | w | Grant | 10.9 | 30 | 32.9300 | 108.0600 | 3 | 16 | 17 | 9 | 242 |
| GR40 | Kennecott Warms Springs Well #6 | w | Grant | 121.9 | 30 | 32.5500 | 108.0200 | 3 | 20 | 11 | 19 | 11133 |
| GR41 | Mangas Springs | s | Grant | | 27.0 | 32.8417 | 108.5100 | 3 | 17 | 16 | 8 | 24 |
| GR42 | Allen Spring | s | Grant | | 25.6 | 32.3617 | 108.3617 | 3 | 16 | 15 | 26 | 41 |
| GR43 | Cliff Warm Spring | s | Grant | | 25 | 32.9750 | 108.6250 | 3 | 15 | 17 | 30 | 222 |
| GR44 | Apache Tejo Warms Springs Well #4 | w | Grant | 236.8 | | 32.6400 | 108.1200 | 3 | 19 | 12 | 19 | 3 |
| GR45 | Apache Tejo Warms Springs Well #5 | w | Grant | 745.2 | | 32.6400 | 108.1100 | 3 | 19 | 12 | 19 | 3 |
| HD1 | Lightning Dock Burgett Well #1 | w | Hidalgo | | 104.0 | 32.1450 | 108.8317 | 3 | 25 | 19 | 7 | |
| HD2 | Lightning Dock hot well | w | Hidalgo | | 98 | 32.1458 | 108.8325 | 3 | 25 | 19 | 7 | 234A |
| HD3 | Lightning Dock hot well | w | Hidalgo | | 96 | 32.1450 | 108.8317 | 3 | 25 | 19 | 7 | 134 |
| HD4 | Lightning Dock hot well | w | Hidalgo | | 95.5 | 32.1458 | 108.8325 | 3 | 25 | 19 | 7 | 234 |
| HD5 | Lightning Dock Burgett Well #10 | w | Hidalgo | | 95.2 | 32.1450 | 108.8317 | 3 | 25 | 19 | 7 | |
| HD6 | Lightning Dock hot well | w | Hidalgo | | 94 | 32.1486 | 108.8314 | 3 | 25 | 19 | 7 | |
| HD7 | Lightning Dock hot well | w | Hidalgo | | 85.0 | 32.1450 | 108.8317 | 3 | 25 | 19 | 7 | 23 |
| HD8 | Lightning Dock McCants Well | w | Hidalgo | | 81.0 | 32.1483 | 108.8317 | 3 | 25 | 19 | 7 | 21 |
| HD9 | Lightning Dock hot well | w | Hidalgo | | 71.0 | 32.1450 | 108.8400 | 3 | 25 | 19 | 7 | 14 |
| HD10 | Lightning Dock hot well | w | Hidalgo | 36.6 | 52 | 32.1453 | 108.8389 | 3 | 25 | 19 | 7 | 143 |
| HD11 | warm well | w | Hidalgo | | 35 | 32.4167 | 108.9833 | 3 | 22 | 21 | 3 | 312 |
| HD12 | Lightning Dock hot well | w | Hidalgo | 86.3 | 33.5 | 32.1453 | 108.8425 | 3 | 25 | 19 | 7 | 133 |
| HD13 | well | w | Hidalgo | 734.6 | 32 | 31.7125 | 108.3228 | 3 | 30 | 15 | 12 | 323 |
| HD14 | Blowing Well | w | Hidalgo | 136.9 | 31 | 32.4178 | 108.9928 | 3 | 22 | 21 | 3 | 3234 |
| HD15 | well | w | Hidalgo | 169.8 | 30 | 32.4433 | 109.0331 | 3 | 21 | 21 | 30 | 444 |
| HD16 | Kipp Ranch Hot Well | w | Hidalgo | | | 32.3100 | 108.5700 | 3 | 23 | 17 | 10 | 11 |
| HD17 | Lightning Dock hot well | w | Hidalgo | | | 32.1450 | 108.8317 | 3 | 25 | 19 | 7 | 243 |
| HD18 | Lightning Dock hot well | w | Hidalgo | | | 32.1450 | 108.8317 | 3 | 25 | 19 | 7 | 234b |
| HD19 | Lightning Dock hot well | w | Hidalgo | | | 32.1450 | 108.8317 | 3 | 25 | 19 | 7 | 342 |
| HD20 | Lightning Dock hot well | w | Hidalgo | | | 32.1450 | 108.8317 | 3 | 25 | 19 | 7 | 243 |
| HD21 | Lightning Dock Rosette 1 | w | Hidalgo | 134.1 | 104.4 | 32.1300 | 108.8300 | 3 | 25 | 19 | 6 | 4 |
| HD22 | Lightning Dock Rosette 1 | w | Hidalgo | 170.7 | 107.2 | 32.1300 | 108.8300 | 3 | 25 | 19 | 6 | 4 |
| HD23 | Lightning Dock Rosette 1 | w | Hidalgo | 134.1 | 106.7 | 32.1300 | 108.8300 | 3 | 25 | 19 | 6 | 4 |
| LA1 | Pueblo Canyon #7 Well | w | Los Alamos | | 31 | 35.8833 | 106.2636 | 2 | 19 | 6 | 13 | 131 |
| LU1 | Smyer Well | w | Luna | 338.3 | 39 | 32.2508 | 107.5881 | 3 | 24 | 7 | 5 | 133 |
| LU2 | Nunn Stock Well | w | Luna | | 38 | 32.5100 | 107.4900 | 3 | 21 | 6 | 6 | 11332 |
| LU3 | well | w | Luna | 129.5 | 34.5 | 32.2461 | 107.5506 | 3 | 24 | 7 | 3 | 300 |
| LU4 | well | w | Luna | 161.2 | 33 | 31.8500 | 107.6092 | 3 | 28 | 8 | 25 | 211 |
| LU5 | well | w | Luna | 199 | 32 | 31.8600 | 107.0600 | 3 | 28 | 7 | 19 | 2211 |
| LU6 | well | w | Luna | 304.8 | 31.5 | 32.1547 | 107.4828 | 3 | 25 | 6 | 8 | 112 |
| LU7 | well | w | Luna | | 31.5 | 31.8033 | 107.7867 | 3 | 29 | 9 | 8 | 11 |
| LU8 | well | w | Luna | | 31.1 | 31.8017 | 107.7817 | 3 | 29 | 9 | 8 | 23 |
| LU9 | well | w | Luna | 304.8 | 31 | 31.8861 | 107.5597 | 3 | 28 | 7 | 9 | 411 |
| LU10 | well | w | Luna | 213.4 | 31 | 31.8400 | 107.5300 | 3 | 28 | 7 | 26 | 4222 |
| LU11 | well | w | Luna | 142.6 | 31 | 31.8511 | 107.8683 | 3 | 29 | 10 | 9 | 3111 |
| LU12 | well | w | Luna | 335.3 | 30.7 | 31.8133 | 107.7900 | 3 | 29 | 9 | 8 | 12134 |
| LU13 | Little Ed Well | w | Luna | 65.8 | 30 | 32.3353 | 107.3492 | 3 | 23 | 5 | 3 | 311 |
| LU14 | well | w | Luna | | 30.0 | 31.8417 | 107.5200 | 3 | 28 | 7 | 26 | 42 |
| LU15 | well | w | Luna | 49.4 | 30 | 31.8439 | 107.6361 | 3 | 28 | 8 | 26 | 311 |
| MK1 | Fort Wingate Well/Santa Fe 'Spring' | w | McKinley | 592.3 | 55 | 35.4667 | 108.5744 | 1 | 15 | 16 | 30 | 3443 |
| MK2 | well | w | McKinley | 905.3 | 46 | 35.4244 | 107.8789 | 1 | 14 | 10 | 22 | 400 |
| MK3 | Ya-Ta-Hey Well | w | McKinley | | 45.5 | 35.6400 | 108.7800 | | | | | |
| MK4 | well | w | McKinley | | 42.2 | 35.9594 | 107.8981 | 1 | 20 | 10 | 16 | 4413 |

| SITE ID | NAME | W/S | COUNTY | DEPTH m | TEMP C | LATITUDE | LONGITUDE | QUAD | TWN | RNG | SEC | QTR |
|---------|--|-----|------------|------------|-----------|----------|-----------|------|-----|-----|-----|------|
| MK5 | well | w | McKinley | 939.1 | 40.2 | 35.4256 | 107.8803 | 1 | 14 | 10 | 22 | 414 |
| MK6 | well | w | McKinley | 965.3 | 39 | 35.6289 | 108.7764 | 1 | 16 | 18 | 7 | 423 |
| MK7 | Navajo well | w | McKinley | 762 | 37.5 | 35.8525 | 108.6694 | | | | | |
| MK8 | Toh Sah Toh | w | McKinley | | 37.0 | 35.8700 | 108.6800 | | | | | |
| MK9 | well | w | McKinley | 981.5 | 36 | 35.6228 | 108.7683 | 1 | 16 | 18 | 17 | 122 |
| MK10 | NTUA #2 Well | w | McKinley | | 36 | 35.6953 | 108.1439 | 1 | 17 | 12 | 20 | 1111 |
| MK11 | well | w | McKinley | | 35.5 | 35.6842 | 108.1442 | 1 | 17 | 12 | 20 | 3313 |
| MK12 | Pure Oil Navajo #1 Well (Tohachi Well) | w | McKinley | 762 | 35 | 35.8511 | 108.6683 | 1 | 19 | 17 | 29 | 230 |
| MK13 | Pure Oil Navajo #3 Well | w | McKinley | 243.8 | 35 | 35.8600 | 108.6400 | 1 | 19 | 17 | 22 | |
| MK14 | Mobil Well Crown Point | w | McKinley | 655.3 | 33.5 | 35.7008 | 108.2158 | 1 | 17 | 13 | 15 | 332 |
| MK15 | well | w | McKinley | | 33.5 | 35.9297 | 107.9778 | 1 | 20 | 11 | 26 | 3414 |
| MK16 | well | w | McKinley | | 33 | 35.6847 | 108.1528 | 1 | 17 | 12 | 19 | 4314 |
| MK17 | well | w | McKinley | 654.7 | 32.5 | 35.6372 | 108.7917 | 1 | 16 | 18 | 7 | 1111 |
| MK18 | well | w | McKinley | | 32.5 | 35.9314 | 107.9397 | 1 | 20 | 10 | 30 | 3244 |
| MK19 | well | w | McKinley | 502.9 | 32 | 35.5361 | 108.5878 | 1 | 15 | 17 | 13 | 210 |
| MK20 | well | w | McKinley | 240.2 | 32 | 35.6250 | 108.7917 | 1 | 16 | 18 | 7 | 3333 |
| MK21 | well | w | McKinley | 877.8 | 31.5 | 35.5683 | 108.7611 | 1 | 16 | 18 | 32 | 44 |
| MK22 | well | w | McKinley | | 30.5 | 35.0372 | 108.7611 | 1 | 9 | 18 | 5 | 324 |
| MK23 | well | w | McKinley | | 30.5 | 35.6522 | 108.0450 | 1 | 16 | 11 | 5 | 1212 |
| MK24 | well | w | McKinley | | 30 | 35.6714 | 108.1561 | 1 | 17 | 12 | 30 | 3241 |
| OT1 | N-9 Well | w | Otero | 137 | 71.1 | 32.0931 | 106.1514 | 4 | 26 | 8 | 5 | 332 |
| OT2 | N-11 Well | w | Otero | 227 | 61.1 | 32.0842 | 106.1514 | 4 | 25 | 8 | 32 | 333 |
| OT3 | M-11 Well | w | Otero | 153 | 50 | 32.0789 | 106.1750 | 4 | 26 | 7 | 1 | 241 |
| OT4 | FLOUR-1 Well | w | Otero | 321.3 | 33.5 | 32.4306 | 106.1811 | 4 | 21 | 7 | 36 | 344 |
| OT5 | Garton Well | w | Otero | 301.5 | 34 | 32.7800 | 106.1500 | 4 | 18 | 8 | 5 | 431 |
| OT6 | N-8 Well | w | Otero | 304 | | 32.0167 | 106.0833 | 4 | 26 | 8 | 33 | 120 |
| OT7 | N-11 | w | Otero | 227.1 | 61 | 32.0841 | 106.1513 | 4 | 25 | 8 | 32 | 300 |
| RA1 | Ojo Caliente Hot Spring Soda Spring | s | Rio Arriba | | | 36.3050 | 106.0567 | 2 | 24 | 8 | 24 | 11 |
| RA2 | Ojo Caliente Hot Spring Well | w | Rio Arriba | 26.5 | 55.6 | 36.3050 | 106.0567 | 2 | 24 | 8 | 24 | 11 |
| RA3 | Ojo Caliente Arsenic Hot Spring | s | Rio Arriba | | 45.0 | 36.3050 | 106.0567 | 2 | 24 | 8 | 24 | 11 |
| RA4 | Ojo Caliente Hot Spring | s | Rio Arriba | | 43 | 36.3050 | 106.0567 | 2 | 24 | 8 | 24 | 11 |
| RA5 | Ojo Caliente HS Lithia Spring | s | Rio Arriba | | 41.9 | 36.3050 | 106.0567 | 2 | 24 | 8 | 24 | 11 |
| RA6 | Ojo Caliente HS Sodium Sulfate Spring | s | Rio Arriba | | 40.6 | 36.3050 | 106.0567 | 2 | 24 | 8 | 24 | 11 |
| RA7 | Ojo Caliente Hot Spring Iron Spring | s | Rio Arriba | | 40 | 36.3044 | 106.0522 | 2 | 24 | 8 | 24 | 11 |
| RA8 | Statue Spring | s | Rio Arriba | | 36 | 36.3683 | 106.0583 | 2 | 25 | 8 | 26 | 414 |
| RA9 | Ojo Caliente Hot Spring Well #1 | w | Rio Arriba | 14.6 | 34.3 | 36.3050 | 106.0567 | 2 | 24 | 8 | 24 | 11 |
| RA10 | spring | s | Rio Arriba | | 27.5 | 36.3667 | 106.0450 | 2 | 25 | 8 | 25 | 44 |
| RA11 | spring | s | Rio Arriba | | 25.5 | 36.3633 | 106.0417 | 2 | 25 | 8 | 36 | 22 |
| RA12 | Ojo Caliente Hot Spring Well #2 | w | Rio Arriba | 16.2 | | 36.3050 | 106.0567 | 2 | 24 | 8 | 24 | 11 |
| SA1 | Jemez/Baca # 15 | w | Sandoval | | 326.0 | 35.8933 | 106.5800 | | | | | |
| SA2 | Jemez/Baca # 4 | w | Sandoval | | 297.0 | 35.8892 | 106.5703 | | | | | |
| SA3 | Jemez/Baca # 4 | w | Sandoval | | 294.0 | 35.8892 | 106.5703 | | | | | |
| SA4 | Jemez/Baca # 13 | w | Sandoval | | 279.0 | 35.8964 | 106.5678 | | | | | |
| SA5 | Jemez/Baca #13 | w | Sandoval | | 278.0 | 35.8964 | 106.5678 | | | | | |
| SA6 | Jemez/Baca #24 | w | Sandoval | | 261.0 | 35.8844 | 106.5825 | | | | | |
| SA7 | Jemez/GRI WC 23-4 at 6300 ft depth | w | Sandoval | | 232.6 | 35.9094 | 106.6314 | | | | | |
| SA8 | Jemez/Baca # 19 | w | Sandoval | | 223.0 | 35.8933 | 106.5800 | | | | | |
| SA9 | Jemez/GRI WC 23-4 at 4800 ft depth | w | Sandoval | | 214.0 | 35.9094 | 106.6314 | | | | | |
| SA10 | Jemez/Sulphur Springs Women's Bathhouse | s | Sandoval | | 90.0 | 35.9081 | 106.6150 | | | | | |
| SA11 | Jemez/Sulphur Springs main fumarole | s | Sandoval | | 88.0 | 35.9081 | 106.6150 | | | | | |
| SA12 | Jemez HS Jemez Springs #1 Well | w | Sandoval | | 73.3 | 35.7733 | 106.6889 | 2 | 18 | 2 | 23 | |
| SA13 | Jemez HS Travertine Mound Spring | s | Sandoval | | 72.6 | 35.7733 | 106.6889 | 2 | 18 | 2 | 23 | |
| SA14 | Jemez HS Soda Spring | s | Sandoval | | 65.5 | 35.7725 | 106.6900 | 2 | 18 | 2 | 23 | |
| SA15 | Jemez/Sulphur Springs unnamed HS | s | Sandoval | | 63.0 | 35.9081 | 106.6150 | | | | | |
| SA16 | Jemez Hot Springs | s | Sandoval | | 58 | 35.7706 | 106.6914 | 2 | 18 | 2 | 23 | 432 |
| SA17 | Jemez/Sulphur Springs Lemonade Spring | s | Sandoval | | 58.0 | 35.9081 | 106.6150 | | | | | |
| SA18 | Jemez Pueblo #1 Well | w | Sandoval | 73.2 | 57.8 | 35.5900 | 106.7530 | 2 | 16 | 2 | 29 | 213 |
| SA19 | Jemez HS Gazebo Spring | s | Sandoval | | 55.0 | 35.7733 | 106.6889 | 2 | 18 | 2 | 23 | |
| SA20 | Kaseman #2 Well (Zia Hot Well) | w | Sandoval | 612.7 | 52 | 35.6456 | 106.8883 | 1 | 16 | 1 | 1 | 4211 |
| SA21 | Jemez HS Buddhist Spring | s | Sandoval | | 50.0 | 35.7733 | 106.6889 | 2 | 18 | 2 | 23 | |
| SA22 | Jemez HS Marsh Spring | s | Sandoval | | 49.0 | 35.7733 | 106.6889 | 2 | 18 | 2 | 23 | |
| SA23 | Jemez/Soda Dam Hot Spring | s | Sandoval | | 46 | 35.7914 | 106.6861 | 2 | 18 | 2 | 14 | 442 |
| SA24 | Jemez/Soda Dam Hot Springs (west spring) | s | Sandoval | | 46 | 35.7917 | 106.6864 | 2 | 18 | 2 | 14 | |
| SA25 | Jemez/Spence Hot Spring | s | Sandoval | | 44 | 35.8494 | 106.6283 | 2 | 19 | 3 | 28 | 143 |
| SA26 | Jemez/Sulphur Springs Men's Bathhouse | s | Sandoval | | 43.5 | 35.9067 | 106.6153 | | | | | |
| SA27 | Jemez Pueblo Indian Hot Spring | s | Sandoval | | 43.0 | 35.5911 | 106.7531 | 2 | 16 | 2 | 29 | 1423 |
| SA28 | Jemez/McCauley Hot Spring | s | Sandoval | | 43 | 35.8200 | 106.6267 | 2 | 18 | 3 | 4 | 321 |

| SITE ID | NAME | W/S | COUNTY | DEPTH m | TEMP C | LATITUDE | LONGITUDE | QUAD | TWN | RNG | SEC | QTR |
|---------|--|-----|------------|------------|-----------|----------|-----------|------|-----|-----|-----|-------|
| SA29 | Jemez/San Antonio Hot Spring | s | Sandoval | | 41.3 | 35.9383 | 106.6456 | 2 | 20 | 3 | 29 | 1 |
| SA30 | Jemez/Sulphur Springs Footbath Spring | s | Sandoval | | 40.5 | 35.9081 | 106.6150 | | | | | |
| SA31 | Jemez/San Antonio Warm Springs | s | Sandoval | | 38.5 | 35.9711 | 106.5614 | | | | | |
| SA32 | Jemez/Soda Dam Grotto Spring | s | Sandoval | | 38.0 | 35.7914 | 106.6864 | 2 | 18 | 2 | 13 | |
| SA33 | Jemez/Bathhouse HS | s | Sandoval | | 37.4 | 35.9714 | 106.5606 | | | | | |
| SA34 | Jemez/Sulphur Springs Electric Spring | s | Sandoval | | 36.0 | 35.9081 | 106.6150 | | | | | |
| SA35 | Jemez/Little Spence Hot Spring | s | Sandoval | | 34.0 | 35.8494 | 106.6289 | 2 | 19 | 3 | 28 | |
| SA36 | Star Lake #2 Ojo Encino Well | w | Sandoval | | 33 | 36.0047 | 107.3775 | 1 | 21 | 5 | 32 | 424 |
| SA37 | Jemez/Soda Dam Hidden Warm Spring | s | Sandoval | | 32.3 | 35.7914 | 106.6864 | 2 | 18 | 2 | 14 | |
| SA38 | well | w | Sandoval | | 32 | 35.3494 | 106.6694 | 2 | 13 | 3 | 18 | 330 |
| SA39 | Penasco #3 Spring | s | Sandoval | | 27.0 | 35.5940 | 106.8637 | 2 | 16 | 1 | 29 | 1143 |
| SA40 | Penasco #4 Spring | s | Sandoval | | 27.0 | 35.5940 | 106.8648 | 2 | 16 | 1 | 29 | 1134 |
| SA41 | Salado Warm Spring | s | Sandoval | | 25.0 | 35.5368 | 106.8467 | 2 | 15 | 1 | 16 | 1112 |
| SA42 | San Ysidro Warm Spring | s | Sandoval | | 24 | 35.5478 | 106.8256 | 2 | 15 | 1 | 10 | 1 |
| SA43 | Swimming Pool Spring | s | Sandoval | | 24.0 | 35.6015 | 106.8555 | 2 | 16 | 1 | 20 | 4123 |
| SA44 | Jemez/PC-1 at 1712 ft (w/drilling fluid) | w | Sandoval | | | 35.8758 | 106.6617 | | | | | |
| SF1 | Guaje #3 Well | w | Santa Fe | 88.4 | 30.5 | 35.9089 | 106.2122 | 2 | 19 | 7 | 4 | 133 |
| SF2 | Los Alamos #1B Well | w | Santa Fe | 694 | 30.5 | 35.8833 | 106.1564 | 2 | 19 | 7 | 13 | 114 |
| SF3 | Los Alamos #G6 Well | w | Santa Fe | 617 | 30.5 | 35.9108 | 106.2353 | 2 | 19 | 7 | 6 | 2 |
| SF4 | Los Alamos #6 Well | w | Santa Fe | 46.9 | 30 | 35.8772 | 106.1742 | 2 | 19 | 7 | 14 | 312 |
| SF5 | Los Alamos #G2 Well | w | Santa Fe | 617 | 30.0 | 35.9061 | 106.2025 | 2 | 19 | 7 | 4 | |
| SI1 | TorC well | w | Sierra | | 45.5 | 33.2228 | 107.2561 | 3 | 13 | 4 | 33 | 0 |
| SI2 | TorC artesian well | w | Sierra | | 45 | 33.1350 | 107.2533 | 3 | 13 | 4 | 33 | |
| SI3 | TorC Blackstone Mineral Bath | w | Sierra | | 45.0 | 33.1350 | 107.2533 | 3 | 13 | 4 | 33 | 41 |
| SI4 | TorC well | w | Sierra | | 44.5 | 33.1358 | 107.2553 | 3 | 13 | 4 | 33 | 0 |
| SI5 | TorC Sierra Grande Bath | w | Sierra | | 44 | 33.1350 | 107.2533 | 3 | 13 | 4 | 33 | |
| SI6 | TorC Yucca Lodge well 14 ft | w | Sierra | 4.5 | 43.33 | 33.1350 | 107.2517 | 3 | 13 | 4 | 33 | |
| SI7 | TorC Yucca Lodge | w | Sierra | | 43 | 33.1350 | 107.2533 | 3 | 13 | 4 | 33 | |
| SI8 | TorC Yucca Lodge outdoor pool | w | Sierra | | 41.67 | 33.1350 | 107.2517 | 3 | 13 | 4 | 33 | |
| SI9 | TorC Sierra Mineral Bath | w | Sierra | | 41.0 | 33.1367 | 107.2483 | 3 | 13 | 4 | 33 | 24 |
| SI10 | TorC warm spring | s | Sierra | | 41.0 | 33.1333 | 107.2417 | 3 | 13 | 4 | 34 | 32 |
| SI11 | TorC Yucca Lodge | w | Sierra | | 41.0 | 33.1350 | 107.2517 | 3 | 13 | 4 | 33 | 41 |
| SI12 | TorC Old Government Spring | s | Sierra | | 40 | 33.1333 | 107.2333 | 3 | 13 | 4 | 34 | 0 |
| SI13 | TorC well | w | Sierra | | 40 | 33.1294 | 107.2572 | 3 | 13 | 4 | 33 | 344 |
| SI14 | TorC well | w | Sierra | 30.5 | 40 | 33.1300 | 107.2525 | 3 | 13 | 4 | 33 | 434 |
| SI15 | TorC Ponce De Leon Spring | w | Sierra | 75.3 | 40 | 33.1278 | 107.2531 | 3 | 14 | 4 | 4 | 412 |
| SI16 | TorC Geronimo (State) Springs | s | Sierra | | 38.5 | 33.1294 | 107.2550 | 3 | 13 | 4 | 33 | 433 |
| SI17 | Hillsboro Warm Spring | s | Sierra | | 34.5 | 32.9533 | 107.5817 | 3 | 15 | 7 | 5 | 21 |
| SI18 | Victorio Land and Cattle Co. #1 | w | Sierra | | 34.4 | 33.4100 | 106.7900 | 3 | 10 | 1 | 25 | 1 |
| SI19 | Sun Oil Test Well | w | Sierra | | 34 | 33.4250 | 107.0167 | 3 | 10 | 2 | 25 | 100 |
| SI20 | Derry Warm Springs | s | Sierra | | 34 | 32.7917 | 107.2717 | 3 | 17 | 4 | 32 | 213 |
| SI21 | well | w | Sierra | | 34 | 32.7953 | 107.2769 | 3 | 17 | 4 | 29 | 343 |
| SI22 | well | w | Sierra | | 31 | 32.6333 | 107.3167 | 3 | 19 | 5 | 25 | 131A |
| SI23 | warm spring | s | Sierra | | | 33.2783 | 107.5633 | 3 | 12 | 7 | 9 | |
| SI24 | TorC "warm spring" | s | Sierra | | | 33.1350 | 107.2533 | 3 | 13 | 4 | 33 | |
| SI25 | Barney Iorio #1 Fee | w | Sierra | 466.3 | | 33.0600 | 107.0300 | 3 | 14 | 5 | 25 | 41 |
| SJ1 | well | w | San Juan | 1738.6 | 62 | 36.0469 | 107.7881 | 1 | 21 | 9 | 16 | 44233 |
| SJ2 | well | w | San Juan | 1547.2 | 57 | 36.0536 | 107.7928 | 1 | 21 | 9 | 16 | 23233 |
| SJ3 | Navajo well | w | San Juan | | 51.8 | 36.2578 | 108.3247 | | | | | |
| SJ4 | Dome Well Chaco | w | San Juan | | 42 | 36.0622 | 107.8656 | 1 | 21 | 10 | 11 | 431 |
| SJ5 | ARCO WS-2 well | w | San Juan | | 39.9 | 36.8658 | 108.5561 | 1 | 31 | 16 | 30 | 4442 |
| SJ6 | Navajo well | w | San Juan | 932.7 | 35.5 | 36.0922 | 108.2744 | | | | | |
| SJ7 | Navajo 12T-630 Well | w | San Juan | | 33 | 36.7153 | 108.6369 | | | | | |
| SJ8 | well | w | San Juan | | 32.8 | 36.0311 | 107.9039 | 1 | 21 | 10 | 21 | 3444 |
| SJ9 | Navajo well | w | San Juan | 524.3 | 32 | 36.7889 | 108.6806 | | | | | |
| SJ10 | Navajo 12T-520 Well | w | San Juan | 542.5 | 31 | 36.7764 | 108.6939 | | | | | |
| SJ11 | well | w | San Juan | | 30.5 | 36.3792 | 108.2267 | 1 | 25 | 13 | 28 | 1212 |
| SJ12 | Navajo 12T-629 Well | w | San Juan | | 30.5 | 36.6822 | 108.6572 | 1 | 29 | 17 | 32 | 31 |
| SM1 | Montezuma Hot Spring #1 | w | San Miguel | | 55.17 | 35.6533 | 105.2900 | 2 | 17 | 13 | 36 | 44 |
| SM2 | Montezuma Hot Spring #6 | w | San Miguel | | 50.56 | 35.6533 | 105.2900 | 2 | 17 | 13 | 36 | 44 |
| SM3 | Montezuma Hot Spring | w | San Miguel | | 49 | 35.6533 | 105.2900 | 2 | 17 | 15 | 36 | 44 |
| SM4 | Montezuma Hot Spring #13 | w | San Miguel | | 41.11 | 35.6533 | 105.2900 | 2 | 17 | 13 | 36 | 44 |
| SM5 | Montezuma Hot Spring #15 | w | San Miguel | | | 35.6533 | 105.2900 | 2 | 17 | 13 | 36 | 44 |
| SM6 | Montezuma Hot Spring #16 | w | San Miguel | | | 35.6533 | 105.2900 | 2 | 17 | 13 | 36 | 44 |
| SM7 | Montezuma Hot Spring #18 | w | San Miguel | | | 35.6533 | 105.2900 | 2 | 17 | 13 | 36 | 44 |
| SM8 | Montezuma Hot Spring #19 | w | San Miguel | | | 35.6533 | 105.2900 | 2 | 17 | 13 | 36 | 44 |
| SM9 | Montezuma Hot Spring #2 | w | San Miguel | | | 35.6533 | 105.2900 | 2 | 17 | 13 | 36 | 44 |

| SITE ID | NAME | W/S | COUNTY | DEPTH m | TEMP C | LATITUDE | LONGITUDE | QUAD | TWN | RNG | SEC | QTR |
|---------|--------------------------------|-----|------------|------------|-----------|----------|-----------|------|-----|-----|-----|------|
| SM10 | Montezuma Hot Spring #20 | w | San Miguel | | | 35.6533 | 105.2900 | 2 | 17 | 13 | 36 | 44 |
| SO1 | core hole | w | Socorro | 205.7 | 42.2 | 34.0800 | 106.9500 | 3 | 3 | 1 | 4 | 433 |
| SO2 | warm well | w | Socorro | 66.5 | 36 | 34.1006 | 107.5419 | 3 | 2 | 7 | 27 | 444 |
| SO3 | Wety Salty Well | w | Socorro | 234.7 | 35 | 33.7997 | 107.6839 | 3 | 6 | 8 | 8 | 432 |
| SO4 | Bosque del Apache Well #13 | w | Socorro | | 33 | 33.7900 | 106.8600 | 4 | 6 | 1 | 17 | 213 |
| SO5 | warm well | w | Socorro | 30.5 | 33 | 33.8058 | 106.8761 | 4 | 6 | 1 | 7 | 213 |
| SO6 | Blue Canyon Well | w | Socorro | 91.4 | 32.4 | 34.0467 | 106.9508 | 3 | 3 | 1 | 16 | 323 |
| SO7 | Socorro Gallery Spring | s | Socorro | | 32 | 34.0403 | 106.9383 | 3 | 3 | 1 | 22 | 113 |
| SO8 | Socorro/Sedilla Gallery Spring | s | Socorro | | 30 | 34.0378 | 106.9386 | 3 | 3 | 1 | 22 | 1131 |
| SO9 | well | w | Socorro | | 30.0 | 33.7633 | 107.3500 | 3 | 6 | 5 | 27 | 32 |
| SO10 | well | w | Socorro | | 30 | 34.1706 | 106.7522 | 4 | 2 | 2 | 5 | 223 |
| SO11 | Monticello Box Warm Spring | s | Socorro | | 29.0 | 33.3933 | 107.5817 | 3 | 8 | 7 | 31 | 24 |
| SO12 | Monticello Box Warm Spring | s | Socorro | | 28.0 | 33.5733 | 107.6017 | 3 | 8 | 7 | 31 | 41 |
| SO13 | artesian well | w | Socorro | | 26 | 34.5700 | 107.4400 | 1 | 4 | 6 | 14 | 31 |
| SO14 | Field Artesian Well | w | Socorro | | 25 | 34.5300 | 107.4700 | 1 | 4 | 6 | 33 | 34 |
| SO15 | Ojo Saladito Spring | s | Socorro | | 24 | 34.5100 | 107.1300 | 1 | 3 | 3 | 4 | 24 |
| SO16 | Cook Spring | s | Socorro | | | 34.0467 | 106.9367 | 3 | 3 | 1 | 17 | 31 |
| TS1 | Hondo Hot Spring | s | Taos | | 40.6 | 36.5283 | 105.7150 | 2 | 27 | 12 | 36 | 42 |
| TS2 | Mamby Hot Spring | s | Taos | | 38 | 36.5222 | 105.7222 | 2 | 26 | 11 | 1 | 120 |
| TS3 | warm spring | w | Taos | | 37 | 36.5308 | 105.7117 | 2 | 27 | 12 | 31 | 311 |
| TS4 | Rancho Del Rio Grande Well | w | Taos | | 32 | 36.3236 | 105.6056 | | | | | |
| TS5 | Ponce de Leon Hot Spring | s | Taos | | | 36.3233 | 105.6083 | 2 | 24 | 13 | 7 | 333 |
| VA1 | well | w | Valencia | 219.5 | 80 | 34.7800 | 106.6400 | 2 | 6 | 3 | 5 | 234 |
| VA2 | well | w | Valencia | 801 | 32.5 | 34.8536 | 106.7781 | 2 | 7 | 2 | 7 | |

APPENDIX 2

TABLES OF COMPLETE CHEMICAL ANALYSES

NOTES:

| | |
|-------------|--|
| SITE ID | geothermal site number |
| SAMPLE | cited or assigned sample number or designation (see Appendix 4 for dates and data source) |
| NAME | well or spring name |
| TEMP | temperature °C |
| CHEMISTRY | units as shown |
| mg/L | milligrams per liter |
| uS/cm | microsiemens per centimeter |
| TDS | analytical total dissolved solids |
| TDS (sum) | arithmetic sum dissolved constituents/total dissolved solids |
| CHARG BAL % | charge balance (see Reed and Mariner, 1991) |
| COND BAL % | conductance balance (see Reed and Mariner, 1991) |
| MASS BAL % | mass balance (see Reed and Mariner, 1991) |

| SITE ID | SAMPLE | NAME | TMP C | pH field | pH lab | COND uS/cm | TDS mg/L | TDS (sum) | Na mg/L | K mg/L | Ca mg/L | Mg mg/L | Li mg/L | Sr mg/L | HCO3 mg/L | SO4 mg/L | Cl mg/L | F mg/L | Br g/L | B mg/L | Fe mg/L | NO3 mg/L | SiO2 g/L | CHRG BAL % | COND BAL % | MASS BAL % |
|---------|----------|----------------------------|----------|-------------|-----------|---------------|-------------|--------------|------------|-----------|------------|------------|------------|------------|--------------|-------------|------------|-----------|-----------|-----------|------------|-------------|-------------|---------------|---------------|---------------|
| TS2 | S76MAM2 | Mamby Hot Spring | 37.8 | | 8.60 | 729 | 491 | 581 | 138 | 9.8 | 13 | 3.6 | 0.17 | | 160 | 138 | 55 | 3.1 | | 0.29 | | | 60 | 0.09 | 0.92 | 18.32 |
| TS2 | S76MAM3 | Mamby Hot Spring | 34.4 | 6.90 | | | | 646 | 156 | 8.2 | 29 | 4.6 | | | 207 | 139 | 45 | 3.6 | 0.12 | | | | 53 | 6.48 | | |
| TS3 | 460 | warm spring | 37.0 | 8 | | 760 | | 660 | 145 | 11 | 21 | 4.6 | 0.27 | | 200 | 150 | 58 | 2.9 | | 0.25 | | | 67 | 0.84 | 5.97 | |
| TS4 | 451 | Rancho Del Rio Grande Well | 32.0 | 7.8 | | 786 | | 531 | 150 | 4.6 | 11 | 1.2 | 0.25 | | 79 | 120 | 92 | 18 | 0.7 | 0.5 | 0.02 | | 54 | 0.13 | 6.79 | |
| TS5 | NM22 | Ponce de Leon Hot Spring | 34.4 | | 8.56 | | 512 | 589 | 160.2 | 4.3 | 10 | 0.6 | 0.31 | 0.05 | 112.3 | 144.1 | 89 | 12.6 | 0.56 | 0.55 | | | 54.5 | 2.22 | | 15.05 |
| TS5 | S76SITE6 | Ponce de Leon Hot Spring | 34.0 | | 7.20 | | | 561 | 164 | 3.8 | 11 | 0.5 | 0.36 | | 104 | 118 | 96 | 12.5 | 0.32 | 0.45 | | | 50 | 2.22 | | |
| VA2 | 172 | well | 32.5 | 9 | | 625 | 468 | 572 | 150 | 2.4 | 4.3 | 0.6 | | | 280 | 66 | 8 | 1.6 | | 0.54 | 0.21 | 0.09 | 58 | 4.40 | 9.60 | 22.17 |

APPENDIX 3

TABLES OF PARTIAL CHEMICAL ANALYSES

NOTES:

| | |
|-----------|--|
| SITE ID | geothermal site number |
| SAMPLE | cited or assigned sample number or designation (see Appendix 4 for dates and data source) |
| DATE | month/day/yr that sample was taken or reported |
| NAME | well or spring name |
| TEMP | temperature °C |
| CHEMISTRY | units as shown |
| mg/L | milligrams per liter |
| uS/cm | microsiemens per centimeter |
| TDS | analytical total dissolved solids |
| Na+K | many older analyses report total sodium and potassium |

| SITE ID | SAMPLE | NAME | TMP C | pH field | pH lab | COND uS/cm | TDS mg/L | Na mg/L | K mg/L | Na+K mg/L | Ca mg/L | Mg mg/L | Li mg/L | Sr mg/L | HCO3 mg/L | SO4 mg/L | Cl mg/L | F mg/L | Br mg/L | B mg/L | Fe mg/L | NO3 mg/L | SiO2 mg/L |
|---------|-----------|----------------------------|----------|-------------|-----------|---------------|-------------|------------|-----------|--------------|------------|------------|------------|------------|--------------|-------------|------------|-----------|------------|-----------|------------|-------------|--------------|
| BE1 | 219 | well | 40.5 | | | 423 | | | | | | | 0.05 | | | | | | | 0.26 | | | |
| BE2 | 217 | well | 34.5 | | | 402 | | | | | | | 0.05 | | | | | | | 0.23 | | | |
| BE2 | JIREC-2 | West Mesa #1 | 32.2 | | | | 348 | 114 | 1 | | 2 | 1 | | | | | | 0.96 | | | | | 23 |
| BE3 | 220 | well | 33 | 7.9 | 8.2 | 1160 | | 250 | 8.1 | | 22 | 5.1 | | | | 270 | 100 | 0.9 | | 0.43 | 0.099 | | 48 |
| BE3 | 221 | well | 32 | 7.8 | 7.9 | 1250 | | 240 | 7.4 | | 22 | 5.2 | | | | 220 | 100 | 0.8 | | | 0.5 | 0.8 | 49 |
| BE3 | 222 | well | 30.5 | 7.6 | 8.1 | 1125 | | 230 | 6.2 | | 21 | 4.5 | | | | 240 | 91 | 0.8 | | | 0.083 | | 25 |
| BE5 | GJIR988 | West Mesa #4 | 32.1 | | | | | 117 | 0.8 | | 1.8 | 0.1 | | | | | | 0.83 | | | | | 38.3 |
| BE5 | JIREC-4 | West Mesa #4 | 31.7 | | | | 356 | 37 | 0.2 | | 4.7 | 1 | | | | | | 0.96 | | | | | |
| BE6 | 211 | well | 32 | 8.9 | | 520 | | 120 | 1.9 | | 6.3 | 0.8 | | | | 130 | 21 | 0.9 | | | 0.03 | 7.09 | 46 |
| BE7 | JIREC-1 | Don #1 | 31.4 | | | | 420 | 143 | 2 | | 3.2 | 1 | | | | | | 1.55 | | | | | 32 |
| BE8 | 212 | well | 31 | 9.1 | | 495 | 332 | | | | 1.1 | 0.6 | | | 150 | 69 | 8.7 | 1 | | | 0.02 | 6.4 | 42 |
| BE9 | JIREC-3 | West Mesa #2 | 30.6 | | | | 330 | 102 | 2 | | 4 | 1 | | | | | | 1.1 | | | | | 36 |
| BE11 | 223 | well | 30 | 8.7 | | 660 | | | | | | | | | | | | 1.8 | | 0.38 | 0.06 | 3.23 | |
| BE11 | 224 | well | 30 | 8.6 | | 657 | | | | | | | | | | | | 2.2 | | 0.36 | 0.02 | 2.97 | |
| BE12 | 225 | well | 30 | 8.8 | | 456 | | | | | | | | | | | | 1.2 | | 0.26 | 0.01 | 11.1 | |
| BE13 | 227 | College #2 | 30 | 8.5 | | 440 | | 100 | 1.4 | | 2.5 | 0.2 | | | | 62 | 6.9 | 1 | | | 0.03 | 10.6 | 30 |
| CA2 | 120 | hot spring | 60.6 | 7.8 | | 767 | 505 | | | | 16 | 0.5 | | | | 128 | 79 | 107 | 9.5 | | | 0.4 | 81 |
| CA3 | GS22690 | Lower Frisco Hot Spring | | | | 1930 | | | | | | | | | | 130 | 45 | 512 | 1.6 | | | | 85 |
| CA3 | GS31052 | Lower Frisco Hot Spring | 35.22 | 7.3 | | 1200 | | 200 | 0.2 | | | | 0.31 | | | 135 | | 310 | | 0.4 | 0.2 | | 73 |
| CA3 | GS38864 | Lower Frisco Hot Spring | | | 7.6 | 1660 | | 280 | 16 | | | | | | | 132 | 41 | 134 | 1.8 | | 0.1 | | 76 |
| CA3 | GS42605 | Lower Frisco Hot Spring | 46.11 | | 7.8 | 1780 | 1020 | 289 | | | 49 | 40 | | | | 127 | | 460 | | | | | |
| CA3 | LFHS66-1 | Lower Frisco Hot Spring | 37.39 | | | | | 193 | 17 | | 55 | 9 | 0.24 | | | | | | | | | | |
| CA3 | LFHS66-11 | Lower Frisco Hot Spring | 45.56 | | | | | 350 | 23 | | 103 | 8 | 0.59 | | | | | | | | | | |
| CA3 | LFHS66-3B | Lower Frisco Hot Spring | 39.56 | | | | | 215 | 16 | | 50 | 7 | 0.39 | | | | | | | | | | |
| CA3 | LFHS66-4 | Lower Frisco Hot Spring | 41.22 | | | | | 275 | 19 | | 58 | 12 | 0.46 | | | | | | | | | | |
| CA3 | LFHS66-7 | Lower Frisco Hot Spring | 45.11 | | | | | 265 | 23 | | 100 | 10 | 0.5 | | | | | | | | | | |
| CA3 | LFHS66-8 | Lower Frisco Hot Spring | 46.94 | | | | | 300 | 19 | | 65 | 6.4 | 0.54 | | | | | | | | | | |
| CA3 | LFHS66-9 | Lower Frisco Hot Spring | 49.44 | | 8.01 | 1940 | | 307 | 22 | | 65 | 5.7 | 0.59 | | 88 | | | 1.8 | | 0.078 | | | 93 |
| CA3 | NB82-34 | Lower Frisco Hot Spring | 49 | 7.6 | | | | 296 | 17 | | 51 | | 0.46 | | | | | | | | | | 80 |
| CA5 | 121 | Lower Frisco Hot Spring | 43 | 7.6 | | 1660 | | 280 | 16 | | | | | | 132 | 41 | 434 | 1.8 | | 0.001 | | 1.3 | 76 |
| CA7 | 129 | Upper Frisco Hot Spring | 36.5 | 9.7 | | 284 | | 66 | 0.5 | | | | | | 57 | 6.6 | 5 | 1 | | 0.04 | | 0.6 | 58 |
| CA7 | GS38851 | Upper Frisco Hot Spring | 36.67 | | 9.7 | 284 | | 66 | 0.5 | | | | | | 57 | 6.6 | 5 | 1 | | 0.04 | | | 58 |
| CA7 | NB82-35 | Upper Frisco Hot Spring | 39 | 8.1 | | | | 71 | 0.24 | | 0.8 | | 0.01 | | | | | | | | | | 49 |
| CA7 | UFHS2-66 | Upper Frisco Hot Spring | 36.67 | | 9.15 | 242 | 223 | 69 | 0.15 | | 3 | 0.1 | 0.1 | | 97 | | 12 | 2 | 0.76 | 0.037 | | | 40 |
| CA9 | 122 | Lower Frisco Hot Spring | 35 | 7.3 | | 1200 | | 200 | 12 | | | | 0.31 | | 135 | | 310 | | 0.4 | 0.2 | | | 73 |
| CA10 | 168 | Pueblo Windmill | 33.8 | | | | 950 | 170 | 13 | | 130 | 29 | | | | | 310 | 68 | 3.4 | | 0.36 | 1.6 | 14 |
| CA10 | 169 | Pueblo Windmill | 34 | 6.7 | 7.2 | 1600 | | 150 | 13 | | 150 | 31 | | | | 280 | 68 | | | 0.28 | 1.3 | | 15 |
| CA10 | MYERS1 | Pueblo Windmill | 34 | | 7.2 | 1600 | | 150 | 13 | | 150 | 31 | | | | 280 | 68 | | | | | | |
| CA11 | FCS2-66 | Frieborn Canyon Hot Spring | 33.33 | | 8.44 | 150 | 151 | 39 | 0.2 | | 7 | 0.17 | | | 37 | | 7.4 | 1.3 | | 0.072 | | | 31 |
| CA12 | NNS-BOIL | hot spring | 32.8 | | | | | 39 | 1 | | 15 | 0.93 | 0.1 | | | | | | | | | | |
| CA12 | NNS-CAS | hot spring | 34.4 | | | | | 39 | 1 | | 16.4 | 0.84 | 0.1 | | | | | | | | | | |
| CA17 | MYERS2 | well | 28 | | 7.3 | 1440 | | 88 | 9.7 | | 180 | 41 | | | | 280 | 63 | 1 | | | | | |
| CA17 | MYERS3 | well | 29 | | 7 | 1300 | | 86 | 9.3 | | 180 | 40 | | | | 290 | 63 | 0.9 | | | | | |
| CA19 | MGSEEP | warm seep | 27.2 | | | | | 43 | 1.1 | | 14.1 | 0.73 | 0.05 | | | | | | | | | | |
| CA21 | GS36104 | Gila Middle Fork Pool HS | 52.2 | | 8.1 | 422 | | | | | | | | | 108 | 22 | 59 | | | | | | |
| CA21 | NB82-33 | Gila Middle Fork Pool HS | 65 | 7.6 | | | | 164 | 3.9 | | 17 | | 0.45 | | | | | | | | | | 73 |
| CB3 | 180 | Acoma #1 Well | 41.5 | 6.9 | 7.3 | 1300 | | 88 | 7.4 | | 140 | 39 | | | | 290 | 72 | 0.7 | | 0.28 | 0.72 | | 18 |
| CB3 | 181 | Acoma #1 Well | 41.7 | 7 | 7 | 1350 | | 91 | 7.1 | | 140 | 40 | | | | 290 | 73 | 0.7 | | 0.27 | 0.32 | | 18 |
| CB3 | 183 | Acoma #1 Well | 40.5 | | 7.3 | 1270 | | 91 | 7.3 | | 140 | 40 | | | | 300 | 70 | 0.6 | | 0.25 | 0.49 | | 18 |

| SITE ID | SAMPLE | NAME | TMP C | pH field | pH lab | COND uS/cm | TDS mg/L | Na mg/L | K mg/L | Na+K mg/L | Ca mg/L | Mg mg/L | Li mg/L | Sr mg/L | HCO3 mg/L | SO4 mg/L | Cl mg/L | F mg/L | Br mg/L | B mg/L | Fe mg/L | NO3 mg/L | SiO2 mg/L | |
|---------|-----------|---------------------------------------|----------|-------------|-----------|---------------|-------------|------------|-----------|--------------|------------|------------|------------|------------|--------------|-------------|------------|-----------|------------|-----------|------------|-------------|--------------|------|
| CB4 | 170 | well | 41 | 6.18 | 7.06 | 2800 | 2320 | 220 | 16 | | 350 | 77 | 0.73 | 4.7 | | 940 | 210 | 1.2 | 0.55 | 0.61 | 2.3 | | 21 | |
| CB5 | 177 | well | 38.1 | 6.45 | 6.87 | 3300 | 3180 | 110 | 13 | | 670 | 110 | 0.34 | 6.4 | | 2000 | 110 | 1.6 | 0.27 | 0.43 | 3.8 | | 16 | |
| CB7 | 184 | well | 34.5 | 6.42 | 7.44 | 5500 | 5360 | 810 | 35 | | 540 | 130 | 1.1 | 7.8 | | 3200 | 250 | 2.9 | 0.34 | 1.1 | 5.5 | | 15 | |
| CB8 | 171 | well | 34 | 6.44 | 6.77 | 8000 | 6280 | 1600 | 75 | | 580 | 110 | 6.1 | 6.3 | | 1400 | 1600 | 0.8 | 4.2 | 5.5 | 0.04 | | 16 | |
| CB10 | 179 | well | 33.1 | 6.65 | 7.22 | 4450 | 3910 | 610 | 48 | | 450 | 100 | 0.74 | 8.6 | | 2400 | 180 | 3.4 | 0.34 | 1.2 | 10 | | 15 | |
| CB12 | 226 | well | 32 | 8 | | 550 | 340 | 12 | 2 | | 74 | 25 | | | 250 | 84 | 7.5 | 0.4 | | | | 0.62 | | |
| CV1 | 95 | well | 33 | 7.1 | 7.9 | 900 | 651 | 16 | 1.2 | | 120 | 45 | | | | 270 | 12 | 1.5 | | 0.03 | 0.68 | 0.53 | 12 | |
| DA1 | GROSS3 | Chaffee 55-25 | 68 | | | | | 350.8 | 53.2 | | 96.9 | 33 | | | | | | | | | | | | 51.5 |
| DA1 | GROSS4 | Chaffee 55-25 | 68 | | | | | 383.5 | 52 | | 156.7 | 33.5 | | | | | | | | | | | | 54.5 |
| DA3 | CLARYST | Clary and Ruther State 1 | 69.4 | | | | | | | | | | | | | | | | | 0.15 | | | | |
| DA4 | GROSS1 | Chaffee 35-25 | 68 | | | | | 391.5 | 54.7 | | 129.2 | 31.2 | | | | | | | | | | | | 56.5 |
| DA5 | 280LC2 | LC-2 | 52.5 | | 7.41 | 2530 | 2004 | 376.3 | 5.5 | | 161.9 | 0.7 | | | 543 | 294.9 | 346.7 | | | | 7.13 | 1.28 | | |
| DA5 | GROSS8 | LC-2 | 68 | | | | | 214.5 | 6.2 | | 10.2 | 1 | | | | | | | | | | | | 24.3 |
| DA6 | EXXONOLE | Exxon Beard Ole Federal | 65.5 | | | | | | | | | | | | | | | | | | | | | |
| DA7 | GROSS2 | Chaffee 12-24 | 65 | | | | | 392.4 | 58.3 | | 107.4 | 28 | | | | | | | | | | | | 50.9 |
| DA8 | 12581PG3 | NMSU PG-3 | 63.3 | | | | 1981 | 488 | 52 | | 138 | 17.4 | | | | | 546 | | | | 0.2 | | | |
| DA8 | 1980PG3 | NMSU PG-3 | | | 6.25 | 3130 | | 488 | 52 | | 141 | 18.8 | | | 610 | 240 | 546 | | | | 5 | 0.02 | | 73 |
| DA8 | GROSS6 | NMSU PG-3 | 63 | | | | | 488 | 52 | | 141 | 18.8 | | | | | | | | | | | | 73 |
| DA8 | NDPG3 | NMSU PG-3 | | | | | 1748 | | | | | | | | 596.7 | 343 | | 2.28 | | | 0.15 | | | |
| DA9 | BTHSE | Radium Hot Springs Bailey's bathhouse | | | 7.7 | | 874 | 1090 | | | 136 | 68.5 | | | | 259 | 1890 | 2.6 | | | | | | |
| DA9 | NMPHL316 | Radium Hot Springs Bailey's bathhouse | | | 7.2 | 6100 | | 1100 | 163 | | 131 | 15 | | | 341 | 269 | 1677 | 5.3 | | | | | | |
| DA10 | BINNS1 | Certified Sand Well | 58.8 | | | | | | | | | | | | | | | | | | | | | |
| DA12 | 69 | Radium Hot Springs Hotel Well #2 | 85.5 | 6.9 | | 6060 | | | | 1200 | 140 | 23 | | | 430 | 260 | 1700 | 4.6 | | | | 2 | 71 | |
| DA12 | 70 | Radium Hot Springs Hotel Well #2 | 52.5 | 6.7 | | 6100 | | 1100 | 170 | | | | 1.1 | | 444 | | 1600 | | 2.8 | 0.78 | | | 74 | |
| DA12 | 71 | Radium Hot Springs Hotel Well #2 | 53 | 8.2 | | 6210 | | | | | | | | | 420 | 263 | 1630 | | | | | | | |
| DA12 | GS10160 | Radium Hot Springs Hotel Well #2 | 85.56 | | 6.9 | 6060 | | | | | 142 | 23 | | | 427 | 265 | 1660 | 4.6 | | | | | 71 | |
| DA12 | GS31053 | Radium Hot Springs Hotel Well #2 | | 6.7 | | 6100 | | 1100 | 170 | | | | 1.1 | | 444 | | 1600 | | 2.8 | 0.78 | | | 74 | |
| DA12 | GS35979 | Radium Hot Springs Hotel Well #2 | | | 8.2 | 6210 | | | | | | | | | 420 | 263 | 1630 | | | | | | | |
| DA12 | GS38867 | Radium Hot Springs Hotel Well #2 | | | 7.2 | 5540 | | 1100 | 155 | | | | | | 424 | 277 | 1660 | 5.2 | | 0.32 | | | 66 | |
| DA12 | NB82-21 | Radium Hot Springs Hotel Well #2 | 53 | 6.8 | | | | 1120 | 173 | | | | 1.2 | | | | | | | | | | | 64 |
| DA12 | S76RSNMS | Radium Hot Springs Hotel Well #2 | | | | | 3460 | | | | 130 | 13 | 4 | | 436 | 806 | 1610 | 5.3 | | | | | 70 | |
| DA15 | 4681PG2 | NMSU PG-2 | 47.7 | | | | 2070 | 450 | 51 | | 188 | 21 | | | 508.9 | 226.2 | 610 | | | | | | | |
| DA15 | NB82-23 | NMSU PG-2 | 59 | 7.1 | | | | 450 | 55 | | 105 | | 0.48 | | | | | | | | | | | 71 |
| DA16 | 11 | Pure Oil Federal "H" 1 | 45 | 7.3 | | 7380 | | 1400 | | | | | | | 930 | 860 | 1600 | | | | | | | |
| DA16 | GS48858 | Pure Oil Federal "H" 1 | 45 | | | 7380 | | | | | | | | | | | | | | | | | | |
| DA20 | 17 | well | 42.5 | 8.6 | 7.9 | 10900 | 6990 | 2100 | 19 | | 290 | 10 | | | | 1700 | 2700 | 2.6 | | | | | 63 | |
| DA20 | 18 | well | 35 | 8.7 | 8.8 | 2100 | 1350 | 370 | 13 | | 20 | 12 | | | | 180 | 400 | 0.9 | | | 0.29 | | 52 | |
| DA20 | 19 | well | 31.5 | 8.6 | 8.7 | 1580 | 955 | 280 | 6.6 | | 25 | 16 | | | | 160 | 200 | 0.9 | | | | | 67 | |
| DA22 | 46 | Tellyer Well | 36.5 | 7.5 | | 1020 | | 180 | | | 66 | 13 | | | 319 | 140 | 170 | | | | | | | |
| DA22 | TELLYER1 | Tellyer Well | 36.5 | | 7.5 | 1020 | | 180 | | | 66 | 13 | | | 319 | | 170 | | | | 2 | | | |
| DA25 | S76NMS112 | well | 35.56 | | 7.5 | 1800 | 1020 | 375 | 15 | | | | | | 222 | 168 | 401 | | | | | | | |
| DA26 | 2GD1 | NMSU GD-1 | | | | | 1550 | 280 | 12 | | 185 | 16 | | | | 185 | 432 | | | | | | 12 | |
| DA26 | 3GD1 | NMSU GD-1 | | | | | 1200 | 288 | 39 | | | | | | | 292 | 375 | | | | | | | |
| DA26 | 4GD1 | NMSU GD-1 | | | | | | 184 | 22 | | 57 | 7.2 | | | | | 137 | | | | 0.26 | | | |
| DA26 | 5GD1 | NMSU GD-1 | | | | | | | | | 60 | 7.5 | | | | | | | | | 9.8 | | | |
| DA26 | NB82XX | NMSU GD-1 | 30 | | | | | 240 | 26 | | 680 | | 0.26 | | | | | | | | | | 50 | |
| DA27 | S76LASWH | White well | 34.5 | | 8.15 | 1460 | 1000 | 275 | 32 | | 17 | 12.3 | 0.25 | | 242 | | 580 | 2.7 | 1.11 | 0.35 | | | 49 | |
| DA33 | GS28683 | well | 32.22 | | 8.6 | 4640 | 2930 | | | | 110 | 1.1 | | | 27 | 927 | 910 | | | | | | 19 | |
| DA34 | 43 | well | 32 | 8.7 | | 2320 | | | | | 24 | 1.9 | | | 33 | 590 | 320 | 5.9 | | | 0.03 | 1.3 | 31 | |

| SITE ID | SAMPLE | NAME | TMP C | pH field | pH lab | COND uS/cm | TDS mg/L | Na mg/L | K mg/L | Na+K mg/L | Ca mg/L | Mg mg/L | Li mg/L | Sr mg/L | HCO3 mg/L | SO4 mg/L | Cl mg/L | F mg/L | Br mg/L | B mg/L | Fe mg/L | NO3 mg/L | SiO2 mg/L | |
|---------|------------|-------------------------------------|----------|-------------|-----------|---------------|-------------|------------|-----------|--------------|------------|------------|------------|------------|--------------|-------------|------------|-----------|------------|-----------|------------|-------------|--------------|--|
| HD6 | 37 | Lightning Dock hot well | 94 | 7.6 | | 1510 | | | | | 22 | 1.5 | | | 160 | 460 | 80 | 13 | | | | 0.2 | 140 | |
| HD10 | S76LD-2 | Lightning Dock hot well | | | 8.25 | | 1055 | | | | | | | | | 480 | 100 | | | | | | | |
| HD10 | S76LD-3 | Lightning Dock hot well | | | 7.1 | 1577 | 1112 | 300 | 25 | | 28 | 11 | | | 198 | 463 | 102 | | | | | | | |
| HD10 | S76LD-4 | Lightning Dock hot well | | | 8.25 | 2200 | 1761 | 370 | 32 | | 70 | 4.9 | 0.9 | | | | 113 | | 0.37 | 0.37 | | | 106 | |
| HD11 | S76P15-1 | warm well | 35 | | | | | | | | | | | | | | | | | | | | | |
| HD11 | S76P15-2 | warm well | 31.1 | | 7.8 | 1590 | | | | | | | | | 431 | | 102 | | | | | | | |
| HD11 | S76P15-3 | warm well | 31.39 | | | | | 91 | 2.1 | | 265 | 6.9 | | | | | | | | | | | | |
| HD13 | 1 | well | 32 | 7.4 | | 1020 | | | | | | | | | 340 | | 55 | | | | | | | |
| HD14 | 63 | Blowing Well | 31 | 7.8 | | 1590 | | | | | | | | | 430 | | 100 | | | | | | | |
| HD15 | 68 | well | 30 | 7.9 | 7.7 | 460 | | 40 | 2.4 | | 31 | 10 | | | | | | | | 0.05 | 0.023 | 8.41 | 38 | |
| HD17 | S76LD-11 | Lightning Dock hot well | | | 7.6 | 1510 | 1110 | | | | 22 | 1.5 | | | 157 | 459 | 80 | 13 | | | | | 135 | |
| HD18 | S76LD-13 | Lightning Dock hot well | | | | | | 347 | 24 | | 20 | 0.1 | 0.8 | | | | | | | | | | | |
| HD19 | S76LD-14 | Lightning Dock hot well | | | 7.8 | 835 | 620 | 150 | 8 | | 28 | 11 | | | 228 | 169 | 42 | | | | | | | |
| HD20 | S76LD-7A | Lightning Dock hot well | | | | 1650 | 1020 | | | | 24 | 1.5 | | | 146 | 509 | 85 | | | | | | | |
| HD20 | S76LD-7B | Lightning Dock hot well | | | | 1540 | 1130 | | | | 19 | 1.2 | | | 181 | 460 | 78 | 11 | | 0.45 | | | 141 | |
| HD20 | S76LD-8 | Lightning Dock hot well | | | | 1600 | | | | | | | | | 163 | | 81 | | | | | | | |
| HD20 | S76LD-9 | Lightning Dock hot well | | | 8.2 | 1600 | | | | | | | | | 163 | | 82 | | | | | | | |
| LU1 | 42 | Smyer Well | 39 | 9.6 | | 439 | | | | 100 | 4 | 0.6 | | 120 | 34 | 9 | 1.7 | | | | | 3.2 | 73 | |
| LU1 | S76-24SR7W | Smyer Well | 38.89 | | 9.6 | 439 | | | | | 4 | 0.6 | | 0.23 | 34 | 9 | 1.7 | | | | | | 73 | |
| LU3 | 41 | well | 34.5 | | | 515 | | | | 100 | 11 | 2 | | 150 | 66 | 30 | 3.2 | | | | | | 3 | |
| LU4 | 6 | well | 33 | | | 1620 | | | | | 5.2 | 3.6 | | 420 | 230 | 130 | 9 | | | | | 1.6 | 66 | |
| LU6 | 40 | well | 31.5 | | | 824 | | | | 180 | 6.5 | 3.5 | | 210 | 77 | 53 | 18 | | | | | 1.9 | 95 | |
| LU9 | 7 | well | 31 | | | 1850 | | | | | 4 | 2.3 | | 390 | 240 | 200 | 11 | | | | | 1.6 | 66 | |
| LU9 | 8 | well | 30.5 | 8.6 | | 1860 | 1130 | | | | 5.2 | 0.2 | | 438 | 241 | 204 | 13 | | 0.48 | | | 0.2 | 48 | |
| LU13 | 50 | Little Ed Well | 30 | 7.7 | 8.3 | 500 | | 68 | 8.3 | | 25 | 7.3 | | | | 35 | 24 | 1.7 | | | 0.81 | 26.1 | 79 | |
| LU15 | 5 | well | 30 | 8 | 8.3 | 1100 | | 230 | 7.3 | | 8 | 2.2 | | | | 170 | 46 | 7 | | | | 1.86 | 41 | |
| MK1 | 234 | Fort Wingate Well/Santa Fe 'Spring' | 55 | | | 730 | | | | | | | | 325 | | 7 | | | | | | | | |
| MK1 | GS64891 | Fort Wingate Well/Santa Fe 'Spring' | 61.11 | | 7.3 | 5520 | | 1100 | 21 | | 264 | 59 | | 110 | 2990 | 63 | 0.4 | | 1.1 | | | | | |
| MK2 | 229 | well | 46 | | | 3110 | | | | | | | | | | | | | | | | | | |
| MK4 | 431 | well | 42.2 | 8.2 | | 1800 | | | | | | | | | | | | | | | | 0.16 | | |
| MK5 | 231 | well | 40.2 | 6.49 | 6.9 | 2850 | 2330 | 370 | 14 | | 260 | 79 | 1 | 4.6 | | 1000 | 240 | 0.4 | 0.52 | 1.1 | 12 | | 22 | |
| MK6 | 242 | well | 39 | 8.5 | | 890 | 565 | 190 | | | 11 | 2.6 | | | 240 | 187 | 28 | 0.5 | | | 0.09 | 0.1 | 20 | |
| MK7 | 298 | Navajo well | 37.5 | 8.9 | | 703 | | | | | | | | | 200 | 130 | 2 | 3.2 | | | | 0.8 | | |
| MK10 | 264 | NTUA #2 Well | 36 | 8.5 | 8.6 | 500 | | 120 | 0.9 | | 2.4 | 0.1 | | | | 58 | 4.4 | 0.2 | | | 0.02 | 0.09 | 18 | |
| MK11 | 261 | well | 35.5 | 8.1 | 8.4 | 450 | | 110 | 1.1 | | 2.4 | 0.2 | | | | 55 | 3.4 | 0.2 | | | 0.02 | 0.49 | 18 | |
| MK12 | 297 | Pure Oil Navajo #1 (Tohachi Well) | 37 | 8.4 | 9.2 | 655 | | 140 | 0.6 | | 1.5 | 0.05 | | | | 130 | 5.8 | 0.4 | | | 0.009 | | 22 | |
| MK12 | GS52896 | Pure Oil Navajo #1 (Tohachi Well) | 35.56 | | 8.3 | 606 | | | | | 5.2 | | | 212 | 122 | 5.2 | 0.3 | | | | | | 22 | |
| MK13 | S76NAVAJO | Pure Oil Navajo #3 Well | 35 | | | | | | | | | | | | | | | | | | | | | |
| MK14 | 265 | Mobil Well Crown Point | 33.5 | 8.4 | 8.9 | 415 | | 100 | 1 | | 2.5 | 0.2 | | | | 39 | 3.3 | 0.2 | | 0.06 | 0.11 | | 18 | |
| MK15 | 420 | well | 33.5 | 8.6 | | 951 | | | | | | | | 330 | 240 | 5.7 | | | | | | | | |
| MK16 | 262 | well | 33 | 7.9 | 8.3 | 450 | | 110 | 1.5 | | 4.7 | 1.2 | | | | 62 | 3.5 | 0.4 | | | 0.05 | 0.53 | 19 | |
| MK18 | 421 | well | 35.5 | | | 2910 | | | | | | | | | | 79 | | | | | | | | |
| MK18 | 423 | well | 32.5 | 8.55 | | 2900 | | | | | | | | | | | | | | | 0.05 | | | |
| MK19 | 235 | well | 32 | | | | | | | | 110 | 55 | | | 210 | 560 | 5 | | | | | | | |
| MK22 | 202 | well | 30.5 | 7.9 | | 1140 | 730 | 93 | 10 | | 120 | 26 | | | 220 | 400 | 18 | | 0.5 | 0.01 | 0.25 | | | |
| MK24 | 260 | well | 30 | 8 | 8.2 | 675 | | 150 | 2.1 | | 12 | 5.1 | | | | 140 | 3.2 | 0.6 | | | 0.06 | 0.53 | 19 | |
| OT1 | 45N9 | N-9 Well | 71.1 | | | | 12500 | | | | 542 | 108 | | | | 820 | 6590 | | | | | 80 | 58 | |
| OT2 | 57N11 | N-11 Well | 61.1 | | 6.8 | 14500 | 8980 | | | 2530 | 403 | 80 | | | 240 | 859 | 4060 | 4.7 | | | | | 53 | |
| OT3 | 26 | M-11 | 33.5 | 7.7 | | 1980 | 1040 | | | | 31 | 5.5 | | | 120 | 85 | 500 | 2.4 | | | | 1.8 | 14 | |

| SITE ID | SAMPLE | NAME | TMP C | pH field | pH lab | COND uS/cm | TDS mg/L | Na mg/L | K mg/L | Na+K mg/L | Ca mg/L | Mg mg/L | LI mg/L | Sr mg/L | HCO3 mg/L | SO4 mg/L | Cl mg/L | F mg/L | Br mg/L | B mg/L | Fe mg/L | NO3 mg/L | SiO2 mg/L | |
|---------|----------|--|----------|-------------|-----------|---------------|-------------|------------|-----------|--------------|------------|------------|------------|------------|--------------|-------------|------------|-----------|------------|-----------|------------|-------------|--------------|--|
| OT3 | 56M11A | M-11(DST 465-504 ft) Well | 50.0 | | 8.00 | 2050 | 1120 | | | 386 | 29 | 4.7 | | | 86 | 133 | 505 | 3.6 | | | | 1.6 | 18 | |
| OT3 | 56M11B | M-11 Well | hot | | 7.7 | 2030 | 1170 | | | 401 | 9.9 | 9.5 | | | 223 | 99 | 445 | 1.6 | | | | 1.2 | 44 | |
| OT4 | 64 | FLOUR-1 Well | 33.5 | | 7.4 | 18000 | | 3900 | 18 | | 570 | 210 | | | | 4500 | 4100 | 1.2 | | | | | 29 | |
| OT4 | 65 | FLOUR-1 Well | 30 | | 7.5 | 18400 | | 3800 | 17 | | 580 | 220 | 0.46 | 11 | | 4500 | | 1.2 | | 2.3 | 0.024 | | 29 | |
| OT5 | S76GART1 | Garton Well | | | | | 7580 | | | | 759 | 288 | | | | 3033 | 3450 | | | | | | 50 | |
| OT5 | S76GART2 | Garton Well | | | | | 9111 | | | | 947 | 89 | | | | 3115 | 2880 | | | | | | 36 | |
| OT5 | S76GART3 | Garton Well | | | 7.1 | 16000 | 10240 | 2050 | 50 | | | 1662 | | | 70 | 2150 | 4250 | | | | | | | |
| OT6 | OLDN8 | N-8 Well | hot (?) | | | | | | | | | | | | | | | | | | | | | |
| OT7 | 27 | N-11 | 61 | 6.8 | | 14500 | 9010 | | | | 400 | 80 | | | 240 | 860 | 4100 | 4.7 | | | | | 53 | |
| RA1 | GS9877 | Ojo Caliente Hot Spring Soda Spring | 35 | | | 3890 | | | | | 28 | 8.7 | | | 2200 | 168 | 232 | 16 | | | | | 60 | |
| RA4 | NB82-4 | Ojo Caliente Hot Spring | 43 | 7.8 | | | | 938 | 40 | | 32 | | 3.5 | | | | | | | | | | 65 | |
| RA6 | GS8978 | Ojo Caliente HS Sodium Sulfate Spring | | | | 3890 | | | | | 28 | 8.7 | | | 2210 | 165 | 245 | 16 | | 4.6 | | | 56 | |
| RA7 | 450 | Ojo Caliente Hot Spring Iron Spring | 40 | 6.6 | | 390 | | 890 | | | | | 3.3 | | 207 | | 270 | | 1.4 | 1.5 | | | | |
| RA7 | GS15115 | Ojo Caliente Hot Spring Iron Spring | 42.78 | 6.6 | | 3900 | | 890 | | | | | 3.3 | | 2073 | | 270 | | 1.4 | 1.5 | | | 63 | |
| RA8 | 452 | Statue Spring | 36 | | | 1740 | | | | | 145 | 59 | | | 698 | 270 | 110 | 1.4 | | | | 0.2 | 22 | |
| RA8 | NB82-3 | Statue Spring | 29 | 7 | | | | 187 | 16 | | 21 | | 0.45 | | | | | | | | | | 21 | |
| SA9 | VA-114 | Jemez/GRI WC 23-4 at 4800 ft depth | 214.0 | 6.92 | | | | 2880 | 499 | | 64.3 | 3.4 | 37.4 | 2.54 | | | | | | | 33.2 | | | |
| SA10 | S-6-80 | Jemez/Sulphur Springs Women's Bathhouse | 88.0 | 4.30 | | 12800 | 6850 | 18.9 | 72 | | 131 | 50 | 0.17 | 0.065 | | 6400 | | 5.2 | | 0.2 | | | 168 | |
| SA10 | VA-76 | Jemez/Sulphur Springs Women's Bathhouse | 89.0 | <2.5 | | | | | | | | | | | | | | | | | | | | |
| SA11 | VA-80 | Jemez/Sulphur Springs main fumarole | 88.0 | 4.30 | | 70 | 95.3 | 0.08 | | | | | | | | 4.5 | | | | | | | | |
| SA13 | VA-91 | Jemez HS Travertine Mound Spring | 72.3 | 6.47 | | 4540 | | | | | | | | | 715 | 39.8 | 869 | 5.13 | 3.01 | | | | | |
| SA15 | VA14 | Jemez/Sulphur Springs unnamed HS | 63.0 | 2.38 | | 5800 | 2490 | 14.6 | 18.7 | | 90.8 | 16.2 | 0.05 | 0.22 | | 2110 | 3.72 | 0.61 | | | | | 230 | |
| SA16 | 266 | Jemez Hot Springs | 52 | | | | 2184 | | | | 166 | 9 | | | 791 | 42 | 820 | | | | 1.2 | 5 | 91 | |
| SA16 | 268 | Jemez Hot Springs | 31.5 | | | | | | | | | | | | | | | | | | | | 16 | |
| SA16 | 270 | Jemez Hot Springs | 72 | 8.7 | | 3250 | | | | | | | | | | | 832 | | | | | | | |
| SA16 | 274 | Jemez Hot Springs | 73 | 7.2 | | 3700 | | | | | 137 | 4.4 | | | 750 | 44 | 855 | 7.1 | | 0.006 | | 0.4 | 64 | |
| SA16 | NB82-8 | Jemez Hot Springs | 53 | 7.2 | | | | 638 | 78 | | 92 | | 9.1 | | | | | | | | | | 91 | |
| SA17 | 393 | Jemez/Sulphur Springs Lemonade Spring | 53 | 2 | | 3760 | | | | | 150 | 73 | | | | 1190 | 65 | 1 | | | 1.8 | 0.3 | 162 | |
| SA17 | S-10-80 | Jemez/Sulphur Springs Lemonade Spring | 58.0 | 2.30 | | | 3220 | 7.7 | 5.6 | | 168 | 42 | 0.14 | 0.06 | | 2740 | 17 | 0.52 | | 0.03 | | | 238 | |
| SA19 | VA-147 | Jemez HS Gazebo Spring | | 7.09 | | 3900 | | | | | | | | | | | 922 | 2.4 | 3.9 | 5.18 | | | 90 | |
| SA19 | VA-93 | Jemez HS Gazebo Spring | 46.3 | 6.66 | | 4270 | | | | | | | | | 720 | 45.5 | 926 | 5.18 | 2.86 | | | | | |
| SA20 | 245 | Kaseman #2 Well (Zia Hot Well) | 32 | | | | 11200 | | | | 400 | 73 | | | 1500 | 3700 | 2700 | | | | 2.3 | | 18 | |
| SA20 | 249 | Kaseman #2 Well (Zia Hot Well) | 50 | | | 15400 | | | | | | | | | | | 3100 | | | | | | | |
| SA20 | 250 | Kaseman #2 Well (Zia Hot Well) | 59 | 6.8 | | 15400 | | | | | 370 | 73 | | | 1480 | 3600 | 3000 | 2.6 | | 6.6 | | | 27 | |
| SA20 | 253 | Kaseman #2 Well (Zia Hot Well) | 52 | | | | | | | | | | | 10 | | | | | | 2.6 | 0.85 | | | |
| SA20 | 254 | Kaseman #2 Well (Zia Hot Well) | 51 | | | | | | | | | | | | | | | | | | | | 7 | |
| SA20 | NB82-10 | Kaseman #2 Well (Zia Hot Well) | 54 | 6.8 | | | | 3700 | 121 | | 341 | | 5.7 | | | | | | | | | | 39 | |
| SA20 | VA-149 | Kaseman #2 Well (Zia Hot Well) | | 6.81 | | 15500 | | | | | | | | | 1429 | 3350 | 3020 | 2.89 | 3.5 | | | | 34 | |
| SA21 | VA-92 | Jemez HS Buddhist Spring | 43.2 | 6.49 | | 3200 | | | | | | | | | 660 | 35.1 | 617 | 3.66 | 1.85 | | | | | |
| SA23 | 279 | Jemez/Soda Dam Hot Spring | 46 | | | | | | | | | | | | | 40 | 1500 | | 0.02 | 14 | | | | |
| SA23 | 280 | Jemez/Soda Dam Hot Spring | 46 | | | 6500 | | | | | | | | | | 43 | 1500 | | 0.9 | 13 | | | | |
| SA23 | 358 | Jemez/Soda Dam Hot Spring | 76 | 7.7 | | 13000 | | 3200 | 150 | | 22 | 20 | 12 | 0.11 | | 1200 | 1800 | 16 | 8.3 | 15 | 0.03 | 0.04 | 76 | |
| SA23 | NB82-7 | Jemez/Soda Dam Hot Spring | 45 | 7.7 | | | | 995 | 211 | | 187 | | 15 | | | | | | | | | | 30 | |
| SA23 | VA-146 | Jemez/Soda Dam Hot Spring | | 6.95 | | 6700 | | | | | | | | | 1476 | 35 | 1567 | 3.85 | 4.6 | | | | 46 | |
| SA23 | VA-89 | Jemez/Soda Dam Hot Spring | 47.0 | 6.45 | | 6700 | | | | | | | | | 1490 | 35.5 | 1480 | 3.71 | 5.46 | | | | | |
| SA23 | VA-99 | Jemez/Soda Dam Hot Spring | 47.5 | | | 6900 | | | | | | | | | 1455 | 37.5 | 1614 | 3.68 | 6 | 14.1 | | | | |
| SA24 | 283 | Jemez/Soda Dam Hot Springs (west spring) | 46 | 6.8 | | 5780 | | | | | | | | | | | 1490 | | | | | | | |
| SA24 | 284 | Jemez/Soda Dam Hot Springs (west spring) | 50 | 7 | | 5760 | | | | | | | | | | | 1510 | | | | | | | |
| SA25 | 291 | Jemez/Spence Hot Spring | 44 | 7.3 | | 283 | | | | | 8 | 2 | | | 139 | 17 | 11 | 0.8 | | | | | 71 | |

| SITE ID | SAMPLE | NAME | TMP C | pH field | pH lab | COND uS/cm | TDS mg/L | Na mg/L | K mg/L | Na+K mg/L | Ca mg/L | Mg mg/L | Li mg/L | Sr mg/L | HCO3 mg/L | SO4 mg/L | Cl mg/L | F mg/L | Br mg/L | B mg/L | Fe mg/L | NO3 mg/L | SiO2 mg/L |
|---------|---------|---------------------------------------|----------|-------------|-----------|---------------|-------------|------------|-----------|--------------|------------|------------|------------|------------|--------------|-------------|------------|-----------|------------|-----------|------------|-------------|--------------|
| SA25 | 292 | Jemez/Spence Hot Spring | 39.5 | | | 276 | | | | | | | | | | | | | | | | | |
| SA25 | 293 | Jemez/Spence Hot Spring | 41 | | | 282 | 224 | 55 | 1.8 | | 6 | 2 | 0.69 | 0.03 | 144 | 18 | 12 | 0.7 | 0.1 | 0.07 | | | |
| SA25 | 294 | Jemez/Spence Hot Spring | 39.5 | | | 295 | | | | | | | | | 148 | | | | | | | | |
| SA25 | NB82-6 | Jemez/Spence Hot Spring | 42 | 7.6 | | | | 61 | 1.5 | | 17 | | 0.76 | | | | | | | | | | 69 |
| SA25 | VA-105 | Jemez/Spence Hot Spring | 42.5 | | | 315 | 161 | | | | | | | | 134 | 18.4 | 7.91 | 0.8 | 0.15 | 0.02 | | | |
| SA25 | VA-83 | Jemez/Spence Hot Spring | 41.5 | 7.87 | | 275 | 161 | | | | | | | | 135 | 18 | 7.2 | 0.9 | 0.11 | | | | |
| SA26 | 387 | Jemez/Sulphur Springs Men's Bathhouse | 43.5 | | | | 7887 | | | | 303 | 33 | | | | 6156 | 54 | | | | | | 324 |
| SA26 | 389 | Jemez/Sulphur Springs Men's Bathhouse | 87 | 1.8 | | 13800 | | 24 | 31 | | 7 | 10 | 0.07 | | | 35100 | 24 | 1.2 | | | 11.5 | | 190 |
| SA26 | 391 | Jemez/Sulphur Springs Men's Bathhouse | 81 | 1.4 | | 17300 | | 25 | 34 | | 72 | 18 | | | | 4500 | 20 | 0.9 | | 0.1 | 76 | | 180 |
| SA26 | 392 | Jemez/Sulphur Springs Men's Bathhouse | 70 | 2 | | | | 9 | 11 | | 13 | 1 | | | | 676 | 5 | | | | | | |
| SA26 | S-7-80 | Jemez/Sulphur Springs Men's Bathhouse | 82.0 | 2.00 | | 10300 | 2597 | 6 | 35 | | 10 | 6.5 | 0.04 | 0.113 | | 2500 | | | | 0.1 | | | 246 |
| SA26 | VA-13 | Jemez/Sulphur Springs Men's Bathhouse | 78.0 | 2.52 | | 4050 | 822 | 2.1 | 8.2 | | 2.1 | 1.25 | 0.02 | 0.03 | | 786 | 2.48 | 6.36 | | | | | 221 |
| SA26 | VA-75 | Jemez/Sulphur Springs Men's Bathhouse | 72.0 | <2.5 | | | | | | | | | | | | | | | | | | | |
| SA26 | VA-81 | Jemez/Sulphur Springs Men's Bathhouse | 73.6 | 2.88 | | 1300 | 5.51 | 0.08 | | | | | | | | 2.2 | | 0.59 | | | | | |
| SA27 | 238 | Jemez Pueblo Indian Hot Spring | 35 | 8 | | 5680 | | | | 1240 | 100 | 8.6 | | | 1280 | 286 | 1140 | 7.3 | | 6.1 | | 0.3 | 48 |
| SA28 | 285 | Jemez/McCauley Hot Spring | 43 | 8.1 | | 198 | | | | | 11 | 4 | | | 87 | 8 | 8 | 1.6 | | | | | 53 |
| SA28 | 286 | Jemez/McCauley Hot Spring | 31.5 | | | 165 | | | | | | | | | | | | | | | | | |
| SA28 | VA-87 | Jemez/McCauley Hot Spring | 31.5 | 7.87 | | 190 | | | | | | | | | 80.5 | 6.6 | 3.2 | 1.31 | | | | | |
| SA29 | NB82-5 | Jemez/San Antonio Hot Spring | 42 | 7.4 | | | | 23 | 1.8 | | 5 | | 0.05 | | | | | | | | | | 80 |
| SA30 | 399 | Jemez/Sulphur Springs Footbath Spring | 40.5 | 1.9 | | 4370 | 1730 | 13 | | | 45 | 12 | | | | 1440 | | | | | 92 | 0.7 | 174 |
| SA30 | S-4-80 | Jemez/Sulphur Springs Footbath Spring | 33.0 | 1.10 | | 30200 | 8310 | 10.8 | 94 | | 56 | 26.5 | 0.1 | 0.098 | | 7900 | | 10.6 | | 0.2 | | | 214 |
| SA31 | 434 | Jemez/San Antonio Warm Springs | 38.5 | 6.7 | | 167 | | | | | 7 | 1 | | | 77 | 15 | 17 | 1.6 | | | | | 103 |
| SA34 | 396 | Jemez/Sulphur Springs Electric Spring | 39 | 1.4 | | 12700 | 3160 | 9.6 | 42 | | 101 | 23 | | | | 3820 | 2.5 | 1 | | | 81 | | 206 |
| SA34 | S-5-80 | Jemez/Sulphur Springs Electric Spring | 36.0 | 1.50 | | 12800 | 4580 | 8.5 | 66 | | 114 | 23 | 0.06 | 0.14 | | 4100 | | 5.2 | | | | | 228 |
| SA37 | VA-90 | Jemez/Soda Dam Hidden Warm Spring | 32.0 | 6.20 | | 6000 | | | | | | | | | 1370 | 48.3 | 1240 | 3.31 | 4.11 | | | | |
| SA42 | NB82-9 | San Ysidro Warm Spring | 24 | 7.6 | | | | 1780 | 81 | | 323 | | 5.8 | | | | | | | | | | 18 |
| SA42 | VA-148 | San Ysidro Warm Spring | | 6.50 | | 10000 | | | | | | | | | 1961 | 1181 | 1862 | 4.52 | 4.3 | | | | 20 |
| SF1 | 401 | Guaje #3 Well | 30.5 | 8.1 | | 192 | | | | | 13 | 1.4 | | | 114 | 3.7 | 3 | 0.4 | | | 0.02 | 1 | 52 |
| SF2 | 359 | Los Alamos #1B Well | 30.5 | 7.8 | | 743 | 522 | 170 | 3.3 | | | | | | 400 | 46 | 16 | 2.8 | | | | 2.8 | |
| SF2 | 361 | Los Alamos #1B Well | 31.5 | 7.8 | | 778 | | 188 | | | | | | | 437 | | 13 | 2.6 | | | | 2.6 | |
| SF2 | 367 | Los Alamos #1B Well | 30.5 | 7.9 | | 775 | | 180 | | | | | | | 428 | | 15 | 2.7 | | | | 0.9 | |
| SF2 | 368 | Los Alamos #1B Well | 32 | 7.8 | | 876 | | 210 | 3.4 | | | | | | 489 | 51 | 16 | 2.7 | | | | 0.8 | 42 |
| SF4 | 301 | Los Alamos #6 Well | 30 | 8.5 | | 504 | | | | | 3.1 | 0.2 | | | 275 | 12 | 6.5 | 2.4 | | | | 1.9 | 38 |
| SF4 | 305 | Los Alamos #6 Well | 30 | | | 513 | | | | | | | | | 281 | | 9 | 2.8 | | | | 0.7 | |
| SF4 | 326 | Los Alamos #6 Well | 30 | 8.6 | | 517 | | 124 | | | | | | | 310 | | 7 | 2 | | | | 1.8 | |
| SF4 | 349 | Los Alamos #6 Well | 30 | 8.5 | | 529 | | 128 | | | | | | | 297 | | 11 | 2.6 | | | | 1.8 | |
| SF4 | 355 | Los Alamos #6 Well | 30.5 | 8.4 | | 635 | | 159 | 1.4 | | | | | | 372 | 18 | 7.4 | 2.4 | | | | 1.9 | 41 |
| SI1 | 118 | TorC well | 45.5 | | | 4380 | | | | | 150 | 18 | | | 210 | 74 | 1300 | 2.6 | | | 0.07 | | |
| SI2 | NB82-19 | TorC artesian well | 45 | 7.6 | | | | 864 | 65 | | 148 | | 1.3 | | | | | | | | | | 42 |
| SI4 | 112 | TorC well | 44.5 | | | 4400 | | | | | 160 | 17 | | | 210 | 73 | 1300 | 3.2 | | | 0.42 | | |
| SI5 | NB82-18 | TorC Sierra Grande Bath | 44 | 7.6 | | | | 853 | 64 | | 152 | | 1.3 | | | | | | | | | | 43 |
| SI6 | GS15117 | TorC Yucca Lodge well 14 ft | | 6.8 | | 4500 | | 740 | | | | | 1.1 | | 213 | | 1400 | | 1.9 | 0.3 | | | 41 |
| SI6 | GS18840 | TorC Yucca Lodge well 14 ft | 43.33 | | 7.2 | 4430 | | | | | 174 | 25 | | | 221 | 98 | 1240 | 2.8 | | | | | 39 |
| SI6 | GS27039 | TorC Yucca Lodge well 14 ft | | | | 4420 | | | | | 156 | 20 | | | 220 | 95 | 1290 | | | | | | |
| SI6 | GS31092 | TorC Yucca Lodge well 14 ft | 43.33 | | 7.4 | 4450 | | | | | | | | | 221 | 91 | 1300 | | | | | | |
| SI6 | GS33929 | TorC Yucca Lodge well 14 ft | 43.61 | | 7.3 | 4450 | | | | | | | | | 216 | | 1290 | | | | | | |
| SI6 | GS38827 | TorC Yucca Lodge well 14 ft | 42.22 | | 7.2 | 4400 | | | | | | | | | 228 | | 1280 | | | | | | |
| SI6 | GS38930 | TorC Yucca Lodge well 14 ft | 40 | | 7.2 | 4460 | | | | | | | | | 227 | | 1280 | | | | | | |
| SI6 | GS43047 | TorC Yucca Lodge well 14 ft | 41.67 | | 7.2 | 4450 | | | | | | | | | 221 | | 1290 | | | | | | |

| SITE ID | SAMPLE | NAME | TMP C | pH field | pH lab | COND uS/cm | TDS mg/L | Na mg/L | K mg/L | Na+K mg/L | Ca mg/L | Mg mg/L | LI mg/L | Sr mg/L | HCO3 mg/L | SO4 mg/L | Cl mg/L | F mg/L | Br mg/L | B mg/L | Fe mg/L | NO3 mg/L | SiO2 mg/L |
|---------|-----------|-------------------------------|----------|-------------|-----------|---------------|-------------|------------|-----------|--------------|------------|------------|------------|------------|--------------|-------------|------------|-----------|------------|-----------|------------|-------------|--------------|
| SI6 | GS44734 | TorC Yucca Lodge well 14 ft | 40 | | 7.5 | 4450 | | | | | | | | | 220 | 96 | 1300 | | | | | | |
| SI6 | GS50301 | TorC Yucca Lodge well 14 ft | 41.94 | | 7.2 | 4480 | | | | | | | | | 220 | | 1310 | | | | | | |
| SI6 | GS52617 | TorC Yucca Lodge well 14 ft | 42.22 | | 7.2 | 4490 | | | | | | | | | 222 | | 1300 | | | | | | |
| SI6 | GS54863 | TorC Yucca Lodge well 14 ft | 41.67 | | 7.8 | 4520 | | | | | | | | | 222 | | 1280 | | | | | | |
| SI6 | GS653 | TorC Yucca Lodge well 14 ft | 43 | | | | | | | | | | | | | | 1285 | | | | | | |
| SI6 | S76W14-65 | TorC Yucca Lodge well 14 ft | 40.83 | | 8.17 | 4300 | 2621 | 786 | 65 | | 121 | 15.5 | 1.01 | | 111 | | 1400 | 2.93 | 1.13 | 0.56 | | | 44.9 |
| SI6 | T41-YLW14 | TorC Yucca Lodge well 14 ft | 43.33 | | | | | | | | 154 | 19 | | | 218 | 86 | 1290 | 3.2 | | | | | |
| SI7 | NB82-17 | TorC Yucca Lodge | 43 | 7.2 | | | | 746 | 65 | | 165 | | 1.2 | | | | | | | | | | 41 |
| SI8 | S76YUCCA | TorC Yucca Lodge outdoor pool | 41.67 | | | | | 828 | 64 | | 160 | 15.6 | 1.11 | | | | | | | | | | |
| SI12 | 111 | TorC Old Government Spring | 40 | | | 4480 | | | | 748 | 158 | 22 | | | 225 | 89 | 1300 | | | | | 1 | |
| SI12 | GS684 | TorC Old Government Spring | | | | 4590 | | | | | 168 | 36 | | | 217 | 95 | 1314 | | | | | | |
| SI13 | 107 | TorC well | 40 | | | 4410 | | | | 760 | 150 | 19 | | | 210 | 76 | 1300 | 3.2 | | | | 2.7 | |
| SI15 | 96 | TorC Ponce De Leon Spring | 40 | | | 4480 | | | | | | | | | 220 | | 1300 | | | | | | |
| SI15 | 97 | TorC Ponce De Leon Spring | 40 | | | 4470 | | | | | 160 | 20 | | | 220 | 78 | 1300 | 3.1 | | | | 5.7 | 45 |
| SI15 | 99 | TorC Ponce De Leon Spring | 42 | | | 4470 | | | | 750 | 150 | 21 | | | 210 | 72 | 1300 | 1.7 | | | | 3.3 | 42 |
| SI15 | 100 | TorC Ponce De Leon Spring | 40 | | | 4350 | | | | | 150 | 16 | | | 210 | 75 | 1200 | 2.8 | | | 0.08 | | |
| SI15 | 102 | TorC Ponce De Leon Spring | 40 | 7.2 | | 4460 | | | | | | | | | 230 | | 1300 | | | | | | |
| SI15 | 103 | TorC Ponce De Leon Spring | 41.5 | 7.2 | | 4480 | | | | | | | | | 220 | | 1300 | | | | | | |
| SI15 | 104 | TorC Ponce De Leon Spring | 40 | 6.8 | | 4500 | | 740 | | | | | 1.1 | | 213 | | 1400 | | 1.9 | 0.3 | | | |
| SI15 | 105 | TorC Ponce De Leon Spring | 42 | 7.2 | | 4400 | | | | | | | | | 230 | | 1300 | | | | | | |
| SI16 | GS3932 | TorC Geronimo (State) Springs | | | | | | | | | | | | | 224 | 90 | 1350 | | | | | | |
| SI17 | NB82-24 | Hillsboro Warm Spring | 34 | 6.8 | | | | 186 | 14 | | 10 | | 0.28 | | | | | | | | | | 135 |
| SI19 | 124 | Sun Oil Test Well | 34 | 7.2 | | 2600 | | | | | | | | | 136 | 1660 | 22 | | | | | | |
| SI20 | 88 | Derry Warm Springs | 34 | | | 1660 | | | | | 48 | 20 | | | 372 | 306 | 141 | 6 | | | | 1.3 | 32 |
| SI20 | 89 | Derry Warm Springs | 34 | 7.4 | | 1660 | | | | | | | | | 368 | 303 | 158 | | | | | | |
| SI20 | CON54DWS | Derry Warm Springs | 33.89 | | 7.5 | 1650 | 1030 | | | | 52 | 19 | | | 370 | 309 | 160 | 5.8 | | | | | |
| SI20 | GS18725 | Derry Warm Springs | 34 | | | 1660 | | | | | 48 | 20 | | | 372 | 306 | 141 | 6 | | | | | 32 |
| SI20 | GS35977 | Derry Warm Springs | 33.89 | | 7.4 | 1660 | 823 | | | | | | | | 368 | 303 | 158 | | | | | | |
| SI21 | 90 | well | 34 | | | 1650 | | | | | 52 | 19 | | | 370 | 309 | 160 | 5.8 | | | | 2 | |
| SI21 | 91 | well | 34 | | | 1660 | | | | | 48 | 20 | | | 372 | 306 | 141 | 6 | | | | 1.3 | 32 |
| SI21 | 125 | well | 34 | | | 1660 | | | | | 48 | 20 | | | 372 | 306 | 141 | 6 | | | | 1.3 | 32 |
| SI24 | HAREMIT | TorC "warm spring" | | | | | 2635 | 381 | 29 | | 156 | 18 | | | 175 | 60 | 1225 | | | | | | 45 |
| SI25 | GS44137 | Barney Iorio #1 Fee | | | 8.50 | 5600 | | 1180 | 4.4 | | | | | | 34 | 2860 | 262 | 6.8 | | 3.9 | | | 42 |
| SJ3 | 448 | Navajo well | 51.8 | 7.88 | 8.3 | 1200 | | 240 | 2.3 | | 27 | 0.42 | 0.07 | 1.1 | | 430 | 19 | 1.2 | 0.1 | | 0.14 | | 35 |
| SJ5 | 474 | ARCO WS-2 well | 39.9 | 7.52 | 7.6 | 8000 | | 1700 | 18 | | 50 | 28 | 0.84 | 6.7 | | 3800 | 210 | 1.6 | 0.38 | | 0.3 | | 33 |
| SJ6 | 444 | Navajo well | 35.5 | | | 2320 | | | | | 4.5 | 2.1 | | | 480 | 480 | 200 | 2.6 | | | | 0.8 | 20 |
| SJ7 | 464 | Navajo 12T-630 Well | 33 | 7.6 | 7.8 | 6000 | | 1400 | 19 | | 78 | 31 | 0.54 | 10 | | 3200 | 190 | 2.1 | 0.2 | | 0.99 | | 16 |
| SJ7 | 466 | Navajo 12T-630 Well | 31 | 7.8 | 7.7 | 4930 | | 890 | 10 | | 160 | 15 | | 9 | | 2500 | 120 | 2.1 | | 0.3 | 0.47 | | 14 |
| SJ8 | 438 | well | 32.8 | 8.21 | | 2720 | | | | | | | | | | | | | | | | 0.25 | |
| SJ9 | 471 | Navajo well | 30.5 | | | 5050 | | | | | 190 | 36 | | | 130 | 2500 | 63 | 1.7 | | | | 0.2 | 17 |
| SJ9 | 473 | Navajo well | 32 | | | 4110 | | | 850 | | 140 | 25 | | | 80 | 2000 | 70 | 1.8 | | | | 0.3 | 17 |
| SJ10 | 467 | Navajo 12T-520 Well | 30 | 7.8 | | 4050 | | | | | 120 | 16 | | | 78 | 2000 | 59 | 2.2 | | | 0.02 | 0.1 | 14 |
| SJ10 | 468 | Navajo 12T-520 Well | 31 | 8 | 8 | 4000 | | 800 | 7.7 | | 58 | 14 | 0.3 | 12 | | 1600 | 110 | 2 | 0.13 | | 0.17 | | 14 |
| SJ10 | 470 | Navajo12T-520 Well | 31.1 | 8.03 | 8.1 | 4300 | | 810 | 7.2 | | 110 | 14 | | 11 | | 2100 | 57 | 1.9 | | 0.15 | 0.17 | | 14 |
| SJ11 | 453 | well | 30.5 | 7.7 | | 8610 | | | | | | | | | 290 | | 370 | 2 | | | | | |
| SJ12 | 463 | Navajo 12T-629 Well | 30.5 | 8.03 | 8 | 4200 | | 690 | 8.2 | | 160 | 23 | | 9.8 | | 2000 | 83 | 2 | | 0.15 | 0.24 | | 16 |
| SM1 | GS2083 | Montezuma Hot Spring #1 | | | | 878 | 554 | | | | 14 | 8.3 | | | | 66 | 154 | | | | | | |
| SM1 | GS4801 | Montezuma Hot Spring #1 | | | | 870 | 537 | | | | 8.5 | 0.7 | | | 92 | 49 | 158 | | | | | | |
| SM1 | GS5233 | Montezuma Hot Spring #1 | | | | 878 | 531 | | | | | | | | 82 | | 160 | | | | | | |

| SITE ID | SAMPLE | NAME | TMP C | pH field | pH lab | COND uS/cm | TDS mg/L | Na mg/L | K mg/L | Na+K mg/L | Ca mg/L | Mg mg/L | LI mg/L | Sr mg/L | HCO3 mg/L | SO4 mg/L | Cl mg/L | F mg/L | Br mg/L | B mg/L | Fe mg/L | NO3 mg/L | SiO2 mg/L | |
|---------|------------|--------------------------------|----------|-------------|-----------|---------------|-------------|------------|-----------|--------------|------------|------------|------------|------------|--------------|-------------|------------|-----------|------------|-----------|------------|-------------|--------------|----|
| SM1 | S76MNTZ1 | Montezuma Hot Spring #1 | 55.17 | | 8.38 | 810 | | 200 | 6.9 | | 5 | | 0.36 | | 82 | | 160 | 3.4 | 3.6 | 0.44 | | | 80 | |
| SM2 | GS18609 | Montezuma Hot Spring #6 | 50.56 | | 9 | 876 | 530 | | | | 4.5 | 1.1 | | | 66 | 42 | 155 | 20 | | | | | 59 | |
| SM3 | NB82-11 | Montezuma Hot Spring | 49 | 7.7 | | | | 203 | 6.3 | | 11 | | 0.41 | | | | | | | | | | 68 | |
| SM4 | GS18610 | Montezuma Hot Spring #13 | 41.11 | | 8.8 | 876 | 528 | | | | 4.5 | 1 | | | 77 | 42 | 155 | 20 | | | | | 68 | |
| SM6 | S76MNTZ16 | Montezuma Hot Spring #16 | | | | | | 192 | 7.8 | | 8 | 0.1 | 0.4 | | | | | | | | | | | |
| SM9 | S76MNTZ2 | Montezuma Hot Spring #2 | | | | | | 169 | 7.4 | | 5 | 0.1 | 0.39 | | | | | | | | | | | |
| SM10 | S76MNTZ20 | Montezuma Hot Spring #20 | | | | | | 176 | 7.2 | | 6 | 0.1 | 0.42 | | | | | | | | | | | |
| SM15 | S76MNTZ15 | Montezuma Hot Spring #15 | | | | | | 175 | 7.5 | | 4 | 0.1 | 0.39 | | | | | | | | | | | |
| SM18 | S76MNTZ18 | Montezuma Hot Spring #18 | | | | | | 180 | 8.1 | | 10 | 0.3 | 0.4 | | | | | | | | | | | |
| SM19 | S76MNTZ19 | Montezuma Hot Spring #19 | | | | | | 184 | 6.9 | | 5 | 0.1 | 0.4 | | | | | | | | | | | |
| SO4 | NB82-16 | Bosque del Apache Well #13 | 33 | 7.4 | | | | 810 | 8.4 | | 120 | | 1.1 | | | | | | | | | | | 67 |
| SO5 | 128 | warm well | 33 | 7.22 | 7.4 | 4450 | 2870 | 790 | 35 | | 120 | 41 | | | 400 | 550 | 910 | | | 0.89 | | 4.43 | | |
| SO6 | 159 | Blue Canyon Well | 32.4 | 8.5 | | 380 | | | | | | | | | 140 | 37 | 14 | 0.6 | | 0.76 | | 1 | 26 | |
| SO6 | 160 | Blue Canyon Well | 31.5 | 7.1 | | 360 | | 57 | | | | | 0.06 | | 157 | | 16 | | 0.5 | 0.09 | | | | |
| SO6 | 161 | Blue Canyon Well | 30 | | | 380 | | | | | | | | | 140 | 37 | 14 | 0.6 | | 0.08 | | | 26 | |
| SO6 | BLUE10-65 | Blue Canyon Well | | | 8.62 | 365 | 145 | 55 | 3.3 | | 27 | 4.3 | 0.07 | | 124 | | 20 | | 0.2 | 0.18 | | | 28 | |
| SO6 | GS15116 | Blue Canyon Well | | 7.1 | | 360 | | 57 | | | | | 0.06 | | 157 | | 16 | | 0.5 | 0.09 | | | | |
| SO6 | GS3372 | Blue Canyon Well | 33.33 | | 8.5 | 380 | | | | | | | | | 145 | 37 | 14 | 0.6 | | 0.76 | | | 26 | |
| SO6 | HALL4 | Blue Canyon Well | | | 8 | | | | | | 18 | 5 | | | 166 | 32 | 12 | | | | | | | |
| SO6 | NB82-12 | Blue Canyon Well | 33 | 7.2 | | | | 55 | 3.3 | | 27 | | 0.06 | | | | | | | | | | | 28 |
| SO7 | 141 | Socorro Gallery Spring | 31.5 | 8.4 | | 362 | | | 3 | | | | | | 160 | 33 | 16 | 0.7 | | 0.06 | | 1.1 | 39 | |
| SO7 | 142 | Socorro Gallery Spring | 33.5 | 7.8 | | 346 | | | | | 18 | 4.4 | | | 160 | | | | | | | | | |
| SO7 | 149 | Socorro Gallery Spring | 30 | 8.4 | | 362 | 231 | 55 | 3 | | | | | | 160 | 33 | 16 | 0.7 | | 0.06 | | | 39 | |
| SO7 | 150 | Socorro Gallery Spring | 31 | 8.1 | | 370 | | 50 | | | 18 | 5 | | | 160 | 28 | 8 | | | | | | | |
| SO7 | 151 | Socorro Gallery Spring | 30 | 7.8 | | 356 | | 52 | | | 13 | 5 | | | 160 | 20 | 12 | | | | | | | |
| SO7 | 153 | Socorro Gallery Spring | 30.5 | 7.8 | | 346 | | | | | 4.4 | | | | 150 | | | | | | | | 18 | |
| SO7 | 155 | Socorro Gallery Spring | 30 | | | 370 | | 79 | 4 | | 11 | 3.6 | | | 110 | 75 | 20 | | | | | | | |
| SO7 | 157 | Socorro Gallery Spring | 32.5 | 8.1 | 8.1 | 352 | 224 | 54 | 3.2 | | 18 | 4 | | | | 31 | 13 | 0.7 | | 0.12 | | 1.59 | 26 | |
| SO7 | 158 | Socorro Gallery Spring | 33 | 8.2 | | | 234 | | | | 19 | 5 | | | 160 | 30 | 13 | | | | | | | |
| SO7 | CLKPRST | Socorro Gallery Spring | | | | | 318 | | | | 42 | 27 | | | 85 | 102 | 38 | | | | | | 33 | |
| SO7 | GS38854 | Socorro Gallery Spring | | | 8.4 | 362 | | 55 | 3 | | | | | | 160 | 33 | 16 | 0.7 | | 0.06 | | | 39 | |
| SO7 | GS410-65 | Socorro Gallery Spring | 33.11 | | 7.8 | 346 | | | | | 18 | 4.4 | | | 155 | | | | | | | | | |
| SO7 | HALL1 | Socorro Gallery Spring | 33 | | 8.1 | 370 | | | | | 18 | 5 | | | 163 | 28 | 8 | | | | | | | |
| SO7 | HALL2 | Socorro Gallery Spring | | | 7.8 | 356 | | | | | 13 | 5 | | | 156 | 20 | 12 | | | | | | | |
| SO7 | NB82-13 | Socorro Gallery Spring | 32 | 7.2 | | | | 53 | 3 | | 22 | | 0.05 | | | | | | | | | | | 26 |
| SO7 | NMHSS-SC | Socorro Gallery Spring | | | 8.35 | 330 | 220 | 52.4 | 2.73 | | 22 | 3.1 | | | 156.6 | 29.5 | 13.4 | 0.22 | | | | | | |
| SO7 | S76FIG27-1 | Socorro Gallery Spring | 32.56 | | 8.4 | 335 | 249 | 56 | 3 | | 18 | 3.9 | 0.06 | | 142 | | 12 | 1.5 | 0.17 | 0.11 | | | 24 | |
| SO7 | S76FIG27-2 | Socorro Gallery Spring | 33.56 | | 8.54 | 340 | 234 | 53 | 3 | | 18 | 4 | 0.06 | | 129 | | 16 | | 0.38 | 0.03 | | | 21 | |
| SO7 | S76FIG27-3 | Socorro Gallery Spring | 32.44 | | 8.44 | 334 | 245 | 56 | 3 | | 14 | 4 | 0.06 | | 127 | | 16 | 1.1 | 0.17 | 0.04 | | | 22 | |
| SO7 | S76FIG27-4 | Socorro Gallery Spring | 33.11 | | 8.43 | 339 | 232 | 53 | 3 | | 18 | 3.9 | 0.06 | | 126 | | 16 | 0.77 | 0.27 | 0.05 | | | 26 | |
| SO7 | S76GS2-48 | Socorro Gallery Spring | | | | 352 | | | | | 20 | 4.7 | | | 165 | 31 | 13 | | | | | | 28 | |
| SO7 | SCOFD1 | Socorro Gallery Spring | | | | 340 | | 55 | 5 | | 19 | 4 | | | 168 | 30 | 14 | | | | | | | |
| SO7 | SCOFD2 | Socorro Gallery Spring | | | | 347 | | | | | 18 | 5 | | | 159 | 30 | 13 | 0.09 | | | | | | |
| SO7 | SCOFD3 | Socorro Gallery Spring | | | | 348 | | | | | 18 | 5 | | | 156 | 30 | 13 | 1 | | | | | | |
| SO7 | SETTLING | Socorro Gallery Spring | | | 8.42 | | 232 | 53 | 3 | | 18 | 4 | 0.01 | | 133 | | 16 | 0.55 | 0.2 | 0.07 | | | 18 | |
| SO7 | WALD1956 | Socorro Gallery Spring | 32.78 | | 8.2 | | | | | | 19 | 5 | | | 163 | 30 | 13 | | | | | | | |
| SO8 | 139 | Socorro/Sedilla Gallery Spring | 30 | 8.5 | | 331 | 255 | 53 | 3 | | 18 | 4.2 | | | | 31 | 13 | 0.7 | | 0.12 | | 1.15 | 26 | |
| SO8 | GS38853 | Socorro/Sedilla Gallery Spring | | | 8.2 | | | 54 | 2.9 | | | | | | 159 | 23 | 14 | 0.8 | | 0.05 | | | 27 | |
| SO8 | HALL3 | Socorro/Sedilla Gallery Spring | 31.11 | | 8.4 | 370 | | | | | 18 | 5 | | | 154 | 24 | 10 | | | | | | | |

| SITE ID | SAMPLE | NAME | TMP C | pH field | pH lab | COND uS/cm | TDS mg/L | Na mg/L | K mg/L | Na+K mg/L | Ca mg/L | Mg mg/L | LI mg/L | Sr mg/L | HCO3 mg/L | SO4 mg/L | Cl mg/L | F mg/L | Br mg/L | B mg/L | Fe mg/L | NO3 mg/L | SiO2 mg/L |
|---------|-----------|--------------------------------|----------|-------------|-----------|---------------|-------------|------------|-----------|--------------|------------|------------|------------|------------|--------------|-------------|------------|-----------|------------|-----------|------------|-------------|--------------|
| SO8 | NMHSS-SD | Socorro/Sedilla Gallery Spring | | | 8.25 | 343 | 298 | 51.3 | 4.9 | | 18 | 4.9 | | | 158.6 | 30.1 | 12 | 0.29 | | | | | |
| SO8 | S76SEDI | Socorro/Sedilla Gallery Spring | | | 8.63 | 336 | 249 | 55 | 3.1 | | 18 | 4 | 0.01 | | 109 | | | 0.27 | 0.1 | | | | 17 |
| SO10 | 167 | well | | | | | | | | | | | | | | | | | | | | | |
| TS1 | S76JDUN | Hondo Hot Spring | 30 | 8.3 | | 4000 | 4220 | 190 | 12 | | 560 | 280 | | | | 2500 | 68 | 0.8 | | 0.48 | 0.04 | 4.3 | 20 |
| TS2 | NB82-1 | Mamby Hot Spring | 38 | 7.6 | | 740 | 505 | 130 | 12 | | 29 | 4.9 | 0.28 | | 181 | | 55 | 2.3 | 2.3 | 0.18 | | | 103 |
| TS2 | S76MAM1 | Mamby Hot Spring | | | | | | 153 | 8.9 | | 28 | | 0.31 | | | | | | | | | | 57 |
| TS5 | GS15114 | Ponce de Leon Hot Spring | 37.78 | | 8.33 | 660 | 520 | 134 | 9.8 | | 34 | 5 | 0.28 | | 165 | | 59 | 2.7 | 2.4 | 0.48 | | | 86 |
| TS5 | NB82-2 | Ponce de Leon Hot Spring | 34 | 7.4 | | 786 | | | 4.6 | | 11 | 1.2 | 0.25 | | 79 | 120 | 92 | 18 | 0.7 | 0.5 | | | 54 |
| TS5 | S78SITE2 | Ponce de Leon Hot Spring | 34.56 | | 8.14 | 740 | 486 | 135 | 4.6 | | 2.3 | | 0.3 | | | | | | | | | | 49 |
| VA1 | S76-52270 | well | 80 | | 7.4 | 3450 | 3440 | | | | 415 | 176 | | | 51 | 2090 | 42 | 0.8 | | 0.5 | | | 86 |

APPENDIX 4

SITE AND SAMPLE INFORMATION TABLES

NOTES:

| | |
|-----------|---|
| SITE ID | geothermal site number |
| SAMPLE | cited or assigned sample number or designation |
| DATE | month/day/yr that sample was taken or reported |
| NAME | well or spring name |
| TEMP | temperature °C |
| COND | conductance (uS/cm - microsiemens per centimeter) |
| TDS | analytical total dissolved solids (mg/L - milligrams per liter) |
| FLOW | flow rate (L/min - liters per minute) |
| REFERENCE | sample information and chemical analysis source |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|-----------|-----------|-------------------------|----------|---------------|-------------|---------------|-----------------------------|
| BE1 | 219 | 4/14/75 | well | 40.5 | 423 | | | WATSTORE 1993 |
| BE2 | JIREC-2 | ?/?/83 | West Mesa #1 | 32.2 | | 348 | | Jiracek (1983) |
| BE2 | 217 | 4/11/75 | well | 34.5 | 402 | | | WATSTORE 1993 |
| BE3 | 222 | 1/25/83 | well | 30.5 | 1125 | | | WATSTORE 1993 |
| BE3 | 221 | 1/17/83 | well | 32.0 | 1250 | | | WATSTORE 1993 |
| BE3 | 220 | 11/13/81 | well | 33.0 | 1160 | | | WATSTORE 1993 |
| BE5 | JIREC-4 | ?/?/83 | West Mesa #4 | 31.7 | | 356 | | Jiracek (1983) |
| BE5 | GJIR988 | ?/?/83 | West Mesa #4 | 32.1 | | | | Jiracek (1983) |
| BE6 | 211 | 5/9/80 | well | 32.0 | 520 | | 12415 | WATSTORE 1993 |
| BE7 | JIREC-1 | ?/?/83 | Don #1 | 31.4 | | 420 | | Jiracek (1983) |
| BE8 | 212 | 4/6/65 | well | 31.0 | 495 | 332 | | WATSTORE 1993 |
| BE9 | JIREC-3 | ?/?/83 | West Mesa #2 | 30.6 | | 330 | | Jiracek (1983) |
| BE10 | 209 | 8/25/73 | well | 30 | 524 | 340 | | WATSTORE 1993 |
| BE11 | 223 | 6/28/72 | well | 30.0 | 660 | | | WATSTORE 1993 |
| BE11 | 224 | 6/28/72 | well | 30.0 | 657 | | | WATSTORE 1993 |
| BE12 | 225 | 6/28/72 | well | 30.0 | 456 | | | WATSTORE 1993 |
| BE13 | 227 | 12/1/78 | College #2 | 30.0 | 440 | | 8327 | WATSTORE 1993 |
| CA1 | GILA7 | ?/?/75-80 | hot spring | 64.8 | | 548 | | Swanberg (1980) |
| CA2 | 120 | 7/24/62 | hot spring | 60.6 | 767 | 505 | | WATSTORE 1993 |
| CA3 | GS31052 | 12/5/74 | Lower Frisco Hot Spring | 35.2 | 1200 | | | Summers (1976) |
| CA3 | LFHS12-74 | 12/5/74 | Lower Frisco Hot Spring | 35.22 | 1200 | | | Summers (1976) |
| CA3 | M77-CT2 | ?/?/77 | Lower Frisco Hot Spring | 37.0 | | 1015 | 20 | Mariner and others (1977) |
| CA3 | LFHS66-1 | 2/15/66 | Lower Frisco Hot Spring | 37.4 | | | 36.72 | Summers (1976) |
| CA3 | LFHS66-3B | 2/15/66 | Lower Frisco Hot Spring | 39.6 | | | 140.06 | Summers (1976) |
| CA3 | LFHS66-4 | 2/15/66 | Lower Frisco Hot Spring | 41.2 | | | 3.78 | Summers (1976) |
| CA3 | LFHS66-7 | 2/15/66 | Lower Frisco Hot Spring | 45.1 | | | 3.78 | Summers (1976) |
| CA3 | LFHS66-11 | 2/15/66 | Lower Frisco Hot Spring | 45.6 | | | | Summers (1976) |
| CA3 | GS42605 | 6/11/59 | Lower Frisco Hot Spring | 46.1 | 1780 | 1020 | | Summers (1976) |
| CA3 | LFHS66-8 | 2/15/66 | Lower Frisco Hot Spring | 46.9 | | | 3.78 | Summers (1976) |
| CA3 | NB82-34 | ?/?/80-82 | Lower Frisco Hot Spring | 49.0 | | | | Norman and Bernhardt (1982) |
| CA3 | LFHS66-9 | 2/15/66 | Lower Frisco Hot Spring | 49.4 | 1940 | | 11.36 | Summers (1976) |
| CA3 | SNM-19 | 6/4/87 | Lower Frisco Hot Spring | 50.5 | 1894 | 1142.9 | | Shevenell (1987) |
| CA3 | GS22690 | 6/16/53 | Lower Frisco Hot Spring | | 1930 | | 75.71 | Summers (1976) |
| CA3 | GS38864 | 6/13/58 | Lower Frisco Hot Spring | | 1660 | | | Summers (1976) |
| CA4 | J3 | ?/?/75-80 | Lower Frisco Hot Spring | 43.3 | | 992 | | Swanberg (1980) |
| CA4 | SNM-18 | 6/4/87 | Lower Frisco Hot Spring | 45.0 | 1495 | 925.8 | | Shevenell (1987) |
| CA4 | J5 | ?/?/75-80 | Lower Frisco Hot Spring | 48.9 | | 1280 | | Swanberg (1980) |
| CA5 | 121 | 6/13/58 | Lower Frisco Hot Spring | 43.0 | 1660 | | | WATSTORE 1993 |
| CA6 | J4 | ?/?/75-80 | Lower Frisco Hot Spring | 40.0 | | 768 | | Swanberg (1980) |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|----------|-----------|-----------------------------|----------|---------------|-------------|---------------|-----------------------------|
| CA7 | 129 | 5/22/58 | Upper Frisco Hot Spring | 36.5 | 284 | | | WATSTORE 1993 |
| CA7 | GS38851 | 5/22/58 | Upper Frisco Hot Spring | 36.7 | 284 | | | Summers (1976) |
| CA7 | UFHS2-66 | 2/18/66 | Upper Frisco Hot Spring | 36.7 | 242 | 223 | 26.12 | Summers (1976) |
| CA7 | J2 | ?/7/75-80 | Upper Frisco Hot Spring | 36.7 | | 156 | | Swanberg (1980) |
| CA7 | SNM-20 | 6/4/87 | Upper Frisco Hot Spring | 37.0 | 261 | 211.6 | | Shevenell (1987) |
| CA7 | NB82-35 | ?/7/80-82 | Upper Frisco Hot Spring | 39.0 | | | | Norman and Bernhardt (1982) |
| CA8 | MFG3 | ?/7/75-80 | Gila Middle Fork Hot Spring | 36.0 | | 192 | | Swanberg (1980) |
| CA9 | 122 | 12/5/74 | Lower Frisco Hot Spring | 35.0 | 1200 | | | WATSTORE 1993 |
| CA10 | 168 | 8/4/79 | Pueblo Windmill | 33.8 | | 950 | | WATSTORE 1993 |
| CA10 | DL-32-NM | 8/7/79 | Pueblo Windmill | 33.8 | | | | Levitte and Gambill (1980) |
| CA10 | 169 | 10/30/80 | Pueblo Windmill | 34.0 | 1600 | | 45.42 | WATSTORE 1993 |
| CA10 | MYERS1 | 10/30/80 | Pueblo Windmill | 34.0 | 1600 | | | Myers (1992) |
| CA11 | FCS2-66 | 2/18/66 | Frieborn Canyon Hot Spring | 33.3 | 150 | 151 | | Summers (1976) |
| CA12 | NNS-BOIL | 2/26/66 | hot spring | 32.8 | | | 204.41 | Summers (1976) |
| CA12 | NNS-CAS | 2/26/66 | hot spring | 34.4 | | | 204.41 | Summers (1976) |
| CA13 | GS54856 | 7/31/64 | test well | 32.2 | 2710 | 2540 | | Summers (1976) |
| CA14 | 130 | 7/13/79 | well | 32 | 330 | 256 | | WATSTORE 1993 |
| CA15 | 119 | 7/31/64 | well | 32 | 2710 | 2540 | 15.14 | WATSTORE 1993 |
| CA16 | MFG1 | ?/7/75-80 | Gila Middle Fork Hot Spring | 31.0 | | 196 | | Swanberg (1980) |
| CA17 | MYERS2 | 10/29/80 | well | 28.0 | 1440 | | | Myers (1992) |
| CA17 | MYERS3 | 11/20/80 | well | 29.0 | 1300 | | | Myers (1992) |
| CA18 | MEAD-10 | 11/12/69 | Gila Middle Fork Meadows HS | 27.5 | 215 | 150 | 129 | Summers (1976) |
| CA18 | MEAD-19 | 11/12/69 | Gila Middle Fork Meadows HS | 27.5 | 215 | 155 | 129 | Summers (1976) |
| CA18 | MEAD-5 | 11/12/69 | Gila Middle Fork Meadows HS | 28.0 | 220 | 160 | 76.5 | Summers (1976) |
| CA18 | MEAD-12 | 11/12/69 | Gila Middle Fork Meadows HS | 29.5 | 220 | 150 | 3.6 | Summers (1976) |
| CA18 | MEAD-14 | 11/12/69 | Gila Middle Fork Meadows HS | 32.5 | 215 | 145 | | Summers (1976) |
| CA19 | MGSEEP | 2/26/66 | warm seep | 27.2 | | | | Summers (1976) |
| CA20 | US107 | ?/7/75-80 | Zuni Salt Lake Warm Spring | 26.0 | | 220152 | | Swanberg (1980) |
| CA21 | GS36104 | 6/23/57 | Gila Middle Fork Pool HS | 52.2 | 422 | | | Summers (1976) |
| CA21 | NB82-33 | ?/7/80-82 | Gila Middle Fork Pool HS | 65.0 | | | | Norman and Bernhardt (1982) |
| CA21 | PHS-SUM | 2/21/66 | Gila Middle Fork Pool HS | 65.3 | 720 | 514 | 178.2 | Summers (1976) |
| CA21 | SNM-14 | 6/2/87 | Gila Middle Fork Pool HS | 65.5 | 777 | 580.8 | | Shevenell (1987) |
| CA21 | M77-CT1 | ?/7/77 | Gila Middle Fork Pool HS | 66.0 | | 587 | | Marliner and others (1977) |
| CA21 | GS62058 | 2/21/66 | Gila Middle Fork Pool HS | | 771 | 508 | | Summers (1976) |
| CA22 | MFG2 | ?/7/75-80 | Gila Middle Fork Hot Spring | 37.0 | | 188 | | Swanberg (1980) |
| CA23 | MFG4 | ?/7/75-80 | Gila Middle Fork Hot Spring | 26.0 | | 168 | | Swanberg (1980) |
| CA23 | SW307 | ?/7/75-80 | Gila Middle Fork Hot Spring | 32.0 | | 224 | | Swanberg (1980) |
| CA23 | SW306 | ?/7/75-80 | Gila Middle Fork Hot Spring | 34.0 | | 192 | | Swanberg (1980) |
| CB2 | 210 | 7/10/86 | well | 52.8 | 7000 | 5450 | | WATSTORE 1993 |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|-----------|-----------|---------------------------------------|----------|---------------|-------------|---------------|---------------------------|
| CB3 | 183 | 2/15/89 | Acoma #1 Well | 40.5 | 1270 | | | WATSTORE 1993 |
| CB3 | 180 | 9/21/84 | Acoma #1 Well | 41.5 | 1300 | | 1892.5 | WATSTORE 1993 |
| CB3 | 181 | 10/4/84 | Acoma #1 Well | 41.7 | 1350 | | 1797.9 | WATSTORE 1993 |
| CB4 | 170 | 12/15/86 | well | 41.0 | 2800 | 2320 | | WATSTORE 1993 |
| CB5 | 177 | 12/6/86 | well | 38.1 | 3300 | 3180 | | WATSTORE 1993 |
| CB6 | 178 | 5/14/75 | well | 36 | 989 | | 261.17 | WATSTORE 1993 |
| CB7 | 184 | 11/17/86 | well | 34.5 | 5500 | 5360 | | WATSTORE 1993 |
| CB8 | 171 | 11/26/86 | well | 34.0 | 8000 | 6280 | | WATSTORE 1993 |
| CB9 | 197 | 11/10/64 | well | 31.5 | 18000 | | | WATSTORE 1993 |
| CB9 | 193 | 10/7/63 | well | 34 | 25200 | 18500 | | WATSTORE 1993 |
| CB10 | 179 | 11/18/86 | well | 33.1 | 4450 | 3910 | | WATSTORE 1993 |
| CB12 | 226 | 9/30/75 | well | 32.0 | 550 | 340 | | WATSTORE 1993 |
| CB13 | LUC-11 | 5/?/80 | Salado Spring | 25 | 3800 | | | Goff and others (1983) |
| CV1 | 95 | 7/23/81 | well | 33.0 | 900 | 651 | | WATSTORE 1993 |
| DA1 | GROSS3 | ?/?/81-86 | Chaffee 55-25 | 68.0 | | | | Gross (1988) |
| DA1 | GROSS4 | ?/?/81-86 | Chaffee 55-25 | 68.0 | | | | Gross (1988) |
| DA1 | CHAF55-25 | ?/?/81 | Chaffee 55-25 | 69.0 | 2300 | 1480 | | Files SWTDI |
| DA2 | SNM-5 | 6/1/87 | Radium Hot Springs Bailey Well #15 | 70.0 | 7050 | 3944.3 | | Shevenell (1987) |
| DA3 | CLARYST | ?/?/49 | Clary and Ruther State 1 | 69.4 | | | | Files SWTDI |
| DA4 | CHF35-25 | 12/?/81 | Chaffee 35-25 | 68 | 2580 | 1626 | | Icerman and Lohse (1983) |
| DA4 | GROSS1 | ?/?/81-86 | Chaffee 35-25 | 68.0 | | | | Gross (1988) |
| DA5 | 280LC2 | 2/?/80 | LC-2 | 52.5 | 2530 | 2004 | | Files SWTDI |
| DA5 | GROSS8 | ?/?/81-86 | LC-2 | 68.0 | | | | Gross (1988) |
| DA6 | EXXONOLE | 12/6/83 | Exxon Beard Ole Federal | 65.5 | | | | Files SWTDI |
| DA7 | CHF12-24 | 1/?/82 | Chaffee 12-24 | 65 | 3000 | 1968 | | Icerman and Lohse (1983) |
| DA7 | GROSS2 | ?/?/81-86 | Chaffee 12-24 | 65.0 | | | | Gross (1988) |
| DA8 | GROSS6 | ?/?/81-86 | NMSU PG-3 | 63.0 | | | | Gross (1988) |
| DA8 | 12581PG3 | 1/25/81 | NMSU PG-3 | 63.3 | | 1981 | 757.2 | Cunniff and others (1981) |
| DA8 | 1980PG3 | ?/?/80 | NMSU PG-3 | | 3130 | | | Cunniff and others (1984) |
| DA8 | NDPG3 | ?/?/80-84 | NMSU PG-3 | | | 1748 | | Cunniff and others (1984) |
| DA9 | S76BAILEY | 2/7/66 | Radium Hot Springs Bailey's bathhouse | 60.8 | 5600 | 3731 | | Summers (1976) |
| DA9 | BTHSE | 7/10/81 | Radium Hot Springs Bailey's bathhouse | | | 874 | | Files SWTDI |
| DA9 | NMPHL316 | 5/4/62 | Radium Hot Springs Bailey's bathhouse | | 6100 | | | Summers (1976) |
| DA10 | BINNS1 | ?/?/87 | Certified Sand Well | 58.8 | | | 12.62 | Files SWTDI |
| DA12 | SNM-6 | 6/1/87 | Radium Hot Springs Hotel Well #2 | 43.0 | 6530 | 3728.4 | | Shevenell (1987) |
| DA12 | M77-DA1 | ?/?/77 | Radium Hot Springs Hotel Well #2 | 52.0 | | 3857 | | Mariner and others (1977) |
| DA12 | 70 | 12/4/74 | Radium Hot Springs Hotel Well #2 | 52.5 | 6100 | | | WATSTORE 1993 |
| DA12 | 71 | 4/29/57 | Radium Hot Springs Hotel Well #2 | 53.0 | 6210 | | | WATSTORE 1993 |
| DA12 | B2 | ?/?/75-80 | Radium Hot Springs Hotel Well #2 | 53.0 | | 3532 | | Swanberg (1980) |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|-----------|-----------|-----------------------------------|----------|---------------|-------------|---------------|-----------------------------|
| DA12 | NB82-21 | ?/?/80-82 | Radium Hot Springs Hotel Well #2 | 53.0 | | | | Norman and Bernhardt (1982) |
| DA12 | RHSHOT2 | 12/16/65 | Radium Hot Springs Hotel Well #2 | 60.0 | 5800 | | | Summers (1976) |
| DA12 | S76HRSW2 | 12/4/74 | Radium Hot Springs Hotel Well #2 | 60.0 | | | | Summers (1976) |
| DA12 | 69 | 5/17/48 | Radium Hot Springs Hotel Well #2 | 85.5 | 6060 | | | WATSTORE 1993 |
| DA12 | GS10160 | 5/17/48 | Radium Hot Springs Hotel Well #2 | 85.6 | 6060 | | | Summers (1976) |
| DA12 | GS35979 | 4/29/57 | Radium Hot Springs Hotel Well #2 | | 6210 | | | Summers (1976) |
| DA12 | GS31053 | 12/4/74 | Radium Hot Springs Hotel Well #2 | | 6100 | | | Summers (1976) |
| DA12 | GS38867 | 4/24/58 | Radium Hot Springs Hotel Well #2 | | 5540 | | | Summers (1976) |
| DA12 | S76RSNMS | ?/?/? | Radium Hot Springs Hotel Well #2 | | | 3460 | | Summers (1976) |
| DA13 | 280LC1 | 2/?/80 | LC-1 | 67.9 | 922 | 576 | | Files SWTDI |
| DA14 | SNM-7 | 6/1/87 | Radium Hot Springs Roy Smith Well | 50.0 | 5230 | 2978.5 | | Shevenell (1987) |
| DA15 | SNM-9 | 6/1/87 | NMSU PG-2 | 43.0 | 3290 | 2232.6 | | Shevenell (1987) |
| DA15 | 4681PG2 | 4/6/81 | NMSU PG-2 | 47.7 | | 2070 | | Cunniff (1981) |
| DA15 | NB82-23 | ?/?/80-82 | NMSU PG-2 | 59.0 | | | | Norman and Bernhardt (1982) |
| DA15 | NMSU81479 | 8/14/79 | NMSU PG-2 | | 2480 | 1704 | | Files SWTDI |
| DA16 | 11 | 11/25/61 | Pure Oil Federal "H" 1 | 45.0 | 7380 | | 1892.5 | WATSTORE 1993 |
| DA16 | GS48858 | 10/25/61 | Pure Oil Federal "H" 1 | 45.0 | 7380 | | | Summers (1976) |
| DA17 | NATIONW81 | 12/1/72 | Nations Well | 43.0 | 3040 | | | Wilson and others (1981) |
| DA17 | LASALTNA | 2/6/66 | Nations Well | 45.1 | 2400 | 1983 | | Summers (1976) |
| DA18 | 47 | 12/1/72 | well | 43 | 3040 | | | WATSTORE 1993 |
| DA19 | LASALTHU | 2/6/66 | Husand Well | 42.5 | 2000 | 1706 | | Summers (1976) |
| DA20 | 19 | 7/17/86 | well | 31.5 | 1580 | 955 | | WATSTORE 1993 |
| DA20 | 18 | 7/16/86 | well | 35.0 | 2100 | 1350 | | WATSTORE 1993 |
| DA20 | 17 | 7/16/86 | well | 42.5 | 10900 | 6990 | | WATSTORE 1993 |
| DA21 | LASALTRO | 2/6/66 | Rowan well | 36.8 | 1500 | 1093 | | Summers (1976) |
| DA22 | 46 | 9/8/75 | Tellyer Well | 36.5 | 1020 | | 151.4 | WATSTORE 1993 |
| DA22 | TELLYER1 | 9/8/75 | Tellyer Well | 36.5 | 1020 | | | Wilson and others (1981) |
| DA22 | TELLYER2 | 12/1/72 | Tellyer Well | 36.5 | 1110 | | | Wilson and others (1981) |
| DA23 | S7623S2W | 2/5/66 | Running Indian Well | 35.0 | 2200 | 1450 | | Summers (1976) |
| DA23 | GS28934 | 1/11/73 | Running Indian Well | 36.1 | 2310 | | | Summers (1976) |
| DA24 | SD1 | ?/?/75-80 | well | 36.0 | | 2020 | | Swanberg (1980) |
| DA25 | S76NMS112 | 11/?/63 | well | 35.6 | 1800 | 1020 | | Summers (1976) |
| DA26 | NB82XX | ?/?/82 | NMSU GD-1 | 30.0 | | | | Norman and Bernhardt (1982) |
| DA26 | 1GD1 | ?/?/82 | NMSU GD-1 | 35.0 | 2370 | | 965.4 | Cunniff (1982) |
| DA26 | 2GD1 | 1/13/61 | NMSU GD-1 | | | 1550 | | Cunniff (1981) |
| DA26 | 3GD1 | 2/1/62 | NMSU GD-1 | | | 1200 | | Cunniff (1981) |
| DA26 | 4GD1 | 1/13/81 | NMSU GD-1 | | | | | Cunniff (1981) |
| DA26 | 5GD1 | 2/13/81 | NMSU GD-1 | | | | | Cunniff (1981) |
| DA27 | S76LASWH | 2/6/66 | White well | 34.5 | 1460 | 1000 | | Summers (1976) |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|-----------|----------|---------------------------------------|----------|---------------|-------------|---------------|-----------------|
| DA27 | NPHL870 | 7/2/65 | White well | | 1665 | 1020 | | Summers (1976) |
| DA28 | 72 | 7/31/80 | well | 34 | 488 | | | WATSTORE 1993 |
| DA29 | 23 | 5/6/76 | well | 33.5 | 950 | 554 | | WATSTORE 1993 |
| DA30 | 9 | 7/24/75 | well | 30.5 | 890 | | 121.12 | WATSTORE 1993 |
| DA30 | 10 | 7/24/75 | well | 33.3 | 490 | | 113.55 | WATSTORE 1993 |
| DA33 | GS28683 | 2/1/55 | well | 32.2 | 4640 | 2930 | 49.97 | Summers (1976) |
| DA33 | 44 | 1/11/73 | well | 36 | 2310 | | | WATSTORE 1993 |
| DA34 | 43 | 3/16/55 | well | 32.0 | 2320 | | 11.36 | WATSTORE 1993 |
| DA36 | 24 | 3/28/73 | Berino Well | 31 | 1120 | | | WATSTORE 1993 |
| DA36 | GS29520 | 3/28/73 | Berino Well | 31.1 | 1120 | | | Summers (1976) |
| DA36 | S76BERING | 1/24/73 | Berino Well | | 1080 | 740 | | Summers (1976) |
| DA37 | SD22 | ?/75-80 | Souse Springs | 31.0 | | 312 | | Swanberg (1980) |
| DA39 | 29 | 7/28/73 | well | 31 | 778 | | | WATSTORE 1993 |
| DA39 | GS221153 | 7/28/73 | well | 31.1 | 778 | | | Summers (1976) |
| DA40 | 21 | 1/10/78 | well | 31.0 | 804 | | | WATSTORE 1993 |
| DA41 | 2 | 8/29/86 | well | 31.0 | 5700 | 3780 | | WATSTORE 1993 |
| DA42 | 93 | 2/5/73 | well | 31 | 2070 | | | WATSTORE 1993 |
| DA43 | COLM1 | ?/75-80 | Pol Ranch Windmill | 30.5 | | 512 | | Swanberg (1980) |
| DA44 | 48 | 10/22/90 | SC2 | 30.5 | 270 | | | WATSTORE 1993 |
| DA45 | 12 | 8/17/86 | well | 30.5 | 2200 | 1300 | | WATSTORE 1993 |
| DA45 | 14 | 8/19/86 | well | 30.5 | 1000 | 656 | | WATSTORE 1993 |
| DA45 | 13 | 8/19/86 | well | 32 | 600 | 475 | | WATSTORE 1993 |
| DA46 | 52 | 7/31/81 | T-18 | 30.0 | 686 | | 30.28 | WATSTORE 1993 |
| DA46 | 53 | 8/10/82 | T-18 | 30.0 | 710 | | | WATSTORE 1993 |
| DA47 | 38 | 6/19/75 | Dominguez Bros Well | 30 | 3350 | | | WATSTORE 1993 |
| DA47 | 39 | 11/1/72 | Dominguez Bros Well | 31.5 | 2870 | | | WATSTORE 1993 |
| DA49 | NMPLH997 | 8/16/60 | Railroad Well | | 2270 | | | Summers (1976) |
| DA50 | HUNTWATW | 8/26/88 | Radium Springs College Ranch Windmill | | | | | Files SWTDI |
| DA51 | SCOTTRHS | 11/17/54 | Radium Hot Springs Hotel Well #1 | 53.3 | 6100 | 3620 | | Summers (1976) |
| DA51 | GS2053 | 8/7/22 | Radium Hot Springs Hotel Well #1 | | | 3738 | | Summers (1976) |
| DA52 | 21H0600 | 3/30/93 | Radium Springs Masson 21 | | | | | Files SWTDI |
| DA52 | 21H0900 | 3/30/93 | Radium Springs Masson 21 | | | | | Files SWTDI |
| DA52 | 21H1800 | 3/30/93 | Radium Springs Masson 21 | | | | | Files SWTDI |
| DA52 | 21TRUN | 3/30/93 | Radium Springs Masson 21 | | | | | Files SWTDI |
| DA52 | 86MASS21 | 8/11/86 | Radium Springs Masson 21 | | | 3682 | | Files SWTDI |
| DA53 | 89MASS22 | 4/7/89 | Radium Springs Masson 22 | | | | | Files SWTDI |
| DA53 | SWL1295 | 2/1/88 | Radium Springs Masson 22 | | | | | Files SWTDI |
| DA53 | AA03261 | 7/16/92 | Radium Springs Masson 23 | | 5960 | | | Files SWTDI |
| DA54 | 87MASS23 | 4/7/87 | Radium Springs Masson 23 | | | | | Files SWTDI |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|-------------|-----------|-----------------------------|----------|---------------|-------------|---------------|-------------------------------|
| DA54 | 89MASS23 | 4/?/89 | Radium Springs Masson 23 | | | | | Files SWTDI |
| DA54 | SWL1296 | 2/1/88 | Radium Springs Masson 23 | | | | | Files SWTDI |
| DA54 | SWL5478 | 12/13/88 | Radium Springs Masson 23 | | | | | Files SWTDI |
| DA55 | 311801 | 4/30/93 | Radium Springs Masson 26 | | | | | Files SWTDI |
| DA55 | AA03262 | 7/16/92 | Radium Springs Masson 26 | | 6030 | | | Files SWTDI |
| DA56 | 1RYAN7235 | 12/20/86 | Radium Springs Ryan 72-35 | | | 2584 | | Files SWTDI |
| DA57 | GROSS7 | ?/?/81-88 | NMSU GD-2 | 42.0 | | | | Gross (1988) |
| DA57 | JET468 | 9/?/82 | NMSU GD-2 | | 3120 | 1948 | | Cunniff and others (1983) |
| DA57 | JET840 | 9/?/82 | NMSU GD-2 | | 2680 | 1787 | | Cunniff and others (1983) |
| DA58 | NMSUOW1 | 12/10/81 | NMSU OW-1 | | | 1765 | | Cunniff (1981) |
| DA59 | SNM-8 | 6/1/87 | NMSU PG-1 | 58.5 | 3350 | 2273.5 | | Shevenell (1987) |
| DA59 | PG1COMP | ?/?/82 | NMSU PG-1 | 60.6 | 3110 | | | Cunniff (1982) |
| DA59 | GROSS5 | ?/?/81-88 | NMSU PG-1 | 61.0 | | | | Gross (1988) |
| DA59 | NB82-22 | ?/?/80-82 | NMSU PG-1 | 61.0 | | | | Norman and Bernhardt (1982) |
| DA59 | N10PG1 | ?/?/80-84 | NMSU PG-1 | | 3720 | 2044 | | Cunniff and others (1984) |
| DA59 | N4PG1 | ?/?/80-84 | NMSU PG-1 | | 6590 | 4220 | | Cunniff and others (1984) |
| DA59 | N7PG1 | ?/?/80-84 | NMSU PG-1 | | 4510 | 2868 | | Cunniff and others (1984) |
| DA59 | N8PG1 | ?/?/80-84 | NMSU PG-1 | | 4050 | 2416 | | Cunniff and others (1984) |
| DA59 | NMSU9430 | ?/?/86 | NMSU PG-1 | | 2800 | 1820 | | Files SWTDI |
| DA59 | PG1PART1 | 10/24/80 | NMSU PG-1 | | | 1936 | | Cunniff (1981) |
| DA59 | PG1PART2 | 7/21/80 | NMSU PG-1 | | | 1904 | | Cunniff (1981) |
| DA59 | PG1PART3 | ?/?/80 | NMSU PG-1 | | 3110 | | | Cunniff and others (1984) |
| DA60 | DST1PG4 | 4/?/86 | NMSU PG-4 | 63.0 | 2720 | 1695 | | Files SWTDI |
| DA60 | DST4PG4 | 4/?/86 | NMSU PG-4 | 63.0 | 2790 | 1854 | | Files SWTDI |
| DA60 | BAIL370 | 11/?/84 | NMSU PG-4 | | 2450 | 1636 | | Cunniff and Chintawong (1985) |
| DA60 | DRILL13 | 10/?/84 | NMSU PG-4 | | 2800 | 1818 | | Cunniff and Chintawong (1985) |
| DA60 | IWEINC1 | 1/25/91 | NMSU PG-4 | | 2520 | | | Files SWTDI |
| DA60 | PT0PG4 | 8/?/86 | NMSU PG-4 | | | 1770 | | Files SWTDI |
| ED1 | 81 | 7/27/61 | Clayton Well | 31.0 | 3030 | | | WATSTORE 1993 |
| ED1 | 82 | 7/27/61 | Clayton Well | 31.0 | 3030 | | | WATSTORE 1993 |
| GR1 | GS15106 | 12/5/74 | Mimbres Hot Springs #3 | 61.1 | 450 | | | Summers (1976) |
| GR1 | MIML3-12-65 | 12/29/65 | Mimbres Hot Springs #3 | 62.3 | 430 | 221 | | Summers (1976) |
| GR1 | MIML3-WR | 10/3/65 | Mimbres Hot Springs #3 | | 444 | | | Summers (1976) |
| GR1 | MIML3-12-74 | 12/5/74 | Mimbres Hot Springs #3 | | | | | Summers (1976) |
| GR1 | MIML3-8-65 | 8/28/65 | Mimbres Hot Springs #3 | | 422 | 285 | | Summers (1976) |
| GR2 | EI3024 | 10/?/85 | Gila Hot Springs Doyle Well | 74.0 | | | | Files SWTDI |
| GR3 | SNM-16 | 6/3/87 | Turkey Creek Hot Spring | 65.0 | 326 | 260.4 | | Shevenell (1987) |
| GR3 | GILA22 | ?/?/75-80 | Turkey Creek Hot Spring | 69.8 | | 260 | | Swanberg (1980) |
| GR3 | SNM-17 | 6/3/87 | Turkey Creek Hot Spring | 73.0 | 329 | 258.8 | | Shevenell (1987) |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|----------|-----------|-----------------------------------|----------|---------------|-------------|---------------|-----------------------------|
| GR3 | GILA20 | ?/?/75-80 | Turkey Creek Hot Spring | 74.0 | | 236 | | Swanberg (1980) |
| GR4 | SNM-12 | 6/2/87 | Gila Hot Springs Campbell #4 Well | 71.1 | 659 | 495.8 | | Shevenell (1987) |
| GR4 | EI6968 | 10/10/86 | Gila Hot Springs Campbell #4 Well | 72.0 | | | | Files SWTDI |
| GR5 | GHS0920 | 10/6/81 | Gila Spring Hot Spring #14 | 66.0 | 640 | | | Schwab and others (1982) |
| GR5 | GHS0925 | 10/6/81 | Gila Spring Hot Spring #14 | 66.0 | | 445 | 3.16 | Schwab and others (1982) |
| GR6 | NB82-32 | ?/?/80-82 | Gila HS northern artesian well | 65.0 | | | | Norman and Bernhardt (1982) |
| GR7 | GHS-66 | 2/17/66 | Gila Hot Springs | 41.5 | 560 | 496 | | Summers (1976) |
| GR7 | NB82-31 | ?/?/80-82 | Gila Hot Springs | 59.0 | | | | Norman and Bernhardt (1982) |
| GR7 | 117 | 12/5/74 | Gila Hot Springs | 61.0 | 620 | | | WATSTORE 1993 |
| GR7 | GILA5 | ?/?/75-80 | Gila Hot Springs | 62.8 | | 408 | | Swanberg (1980) |
| GR7 | GHS-74 | 12/5/74 | Gila Hot Springs | 63.9 | 620 | | | Summers (1976) |
| GR7 | GS31051 | 12/5/74 | Gila Hot Springs | 63.89 | | | | Summers (1976) |
| GR7 | GS36105 | 6/23/57 | Gila Hot Springs | 63.9 | 653 | 369 | 94.64 | Summers (1976) |
| GR7 | GS4897 | 7/25/62 | Gila Hot Springs | 63.9 | 638 | 421 | 378.54 | Summers (1976) |
| GR7 | 115 | 6/23/57 | Gila Hot Springs | 64.0 | 653 | 369 | 567.75 | WATSTORE 1993 |
| GR7 | 116 | 7/25/62 | Gila Hot Springs | 64 | 638 | 421 | | WATSTORE 1993 |
| GR7 | SNM-13 | 6/2/87 | Gila Hot Springs | 65.2 | 642 | 483.5 | | Shevenell (1987) |
| GR7 | GILA6 | ?/?/75-80 | Gila Hot Springs | 66.3 | | 416 | | Swanberg (1980) |
| GR7 | M77-GR1 | ?/?/77 | Gila Hot Springs | 68.0 | | 468 | | Mariner and others (1977) |
| GR9 | NB82-30 | ?/?/80-82 | Gila HS middle artesian well | 62.0 | | | | Norman and Bernhardt (1982) |
| GR10 | GHS2252 | 10/7/81 | Gila Hot Springs Campbell #2 Well | 60.0 | | 428 | 3.28 | Schwab and others (1982) |
| GR10 | GHS0700 | 10/8/81 | Gila Hot Springs Campbell #2 Well | 61.0 | | 423 | 3.27 | Schwab and others (1982) |
| GR10 | GHS0711 | 10/8/81 | Gila Hot Springs Campbell #2 Well | 61.0 | | | | Schwab and others (1982) |
| GR10 | GHS1445 | 10/7/81 | Gila Hot Springs Campbell #2 Well | 61.0 | 620 | 418 | 3.268 | Schwab and others (1982) |
| GR10 | GHS14006 | 10/9/81 | Gila Hot Springs Campbell #2 Well | 62.0 | 550 | | 3.16 | Schwab and others (1982) |
| GR10 | GHS1400F | 10/9/81 | Gila Hot Springs Campbell #2 Well | 62.0 | | 411 | | Schwab and others (1982) |
| GR10 | GHS1610 | 10/7/81 | Gila Hot Springs Campbell #2 Well | 62.0 | 590 | 415 | 3.16 | Schwab and others (1982) |
| GR11 | MIM-L25 | 12/29/65 | Mimbres Hot Springs #25 | 59.0 | | | | Summers (1976) |
| GR12 | MIM-L32 | 12/29/65 | Mimbres Hot Springs #28 | 45.3 | | | | Summers (1976) |
| GR12 | MIM-L28 | 6/5/52 | Mimbres Hot Springs #28 | 58.1 | 452 | 308 | | Summers (1976) |
| GR13 | GHS0929 | 10/6/81 | Gila Spring Hot Spring #41 | 58.0 | 560 | | | Schwab and others (1982) |
| GR13 | GHS0935 | 10/6/81 | Gila Spring Hot Spring #41 | 58.0 | | 426 | 0.06 | Schwab and others (1982) |
| GR14 | 85 | 6/5/52 | Mimbres Hot Springs | 58.0 | 450 | | | WATSTORE 1993 |
| GR14 | NB82-25 | ?/?/80-82 | Mimbres Hot Springs | 58.0 | | | | Norman and Bernhardt (1982) |
| GR14 | GILA4 | ?/?/75-80 | Mimbres Hot Springs | 58.2 | | 320 | | Swanberg (1980) |
| GR14 | 86 | 12/5/74 | Mimbres Hot Springs | 60.5 | 455 | | | WATSTORE 1993 |
| GR15 | GS19645 | 6/5/52 | Mimbres Hot Springs #8 | 57.5 | 450 | | | Summers (1976) |
| GR16 | MIM-L12 | 12/29/65 | Mimbres Hot Springs #12 | 56.4 | | | | Summers (1976) |
| GR17 | MIM-L21 | 12/29/65 | Mimbres Hot Springs #21 | 55.0 | | | | Summers (1976) |

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|---------|-----------|-----------|--|----------|---------------|-------------|---------------|-----------------------------|
| GR18 | MIM-L23 | 12/29/65 | Mimbres Hot Springs #23 | 54.4 | | | 9.84 | Summers (1976) |
| GR19 | 75 | 2/5/76 | Faywood Hot Springs | 52.0 | 560 | | | WATSTORE 1993 |
| GR19 | 73 | 4/19/57 | Faywood Hot Springs | 53 | 605 | 384 | 189.25 | WATSTORE 1993 |
| GR19 | GS1856 | 4/19/57 | Faywood Hot Springs | 53.3 | 605 | 384 | 189.27 | Summers (1976) |
| GR19 | GS27917 | 11/9/54 | Faywood Hot Springs | 53.3 | 600 | | 189.27 | Summers (1976) |
| GR19 | 74 | 12/5/74 | Faywood Hot Springs | 53.5 | 603 | | | WATSTORE 1993 |
| GR19 | GILA2 | ?/?/75-80 | Faywood Hot Springs | 53.8 | | 492 | | Swanberg (1980) |
| GR19 | NB82-26 | ?/?/80-82 | Faywood Hot Springs | 55.0 | | | | Norman and Bernhardt (1982) |
| GR19 | FAY-S76-2 | 12/26/65 | Faywood Hot Springs | | 560 | 384 | | Summers (1976) |
| GR19 | FAY-WRD | 12/26/65 | Faywood Hot Springs | | 504 | 330 | | Summers (1976) |
| GR19 | GS19824 | 6/2/52 | Faywood Hot Springs | | 606 | | | Summers (1976) |
| GR19 | FAY-S76-1 | 12/5/74 | Faywood Hot Springs | | | | | Summers (1976) |
| GR19 | GS15112 | 12/5/74 | Faywood Hot Springs | | 603 | | | Summers (1976) |
| GR20 | SPS-LL66 | 2/20/66 | Gila Lyons Lodge swimming pool HS | 51.7 | 390 | 335 | 18.93 | Summers (1976) |
| GR20 | GS36104 | 6/23/57 | Gila Lyons Lodge swimming pool HS | | 432 | | 37.85 | Summers (1976) |
| GR21 | 114 | 6/23/57 | well | 52.0 | 432 | | 37.85 | WATSTORE 1993 |
| GR22 | M77-GR2 | ?/?/77 | Gila River Waterfall HS | 43.0 | | 558 | | Mariner and others (1977) |
| GR22 | GILA8 | ?/?/75-80 | Gila River Waterfall HS | 43.6 | | 516 | | Swanberg (1980) |
| GR22 | WFALLHS | 3/27/66 | Gila River Waterfall HS | 44.7 | 680 | 518 | 75.7 | Summers (1976) |
| GR23 | EFGR-NM | 2/22/66 | Gila East Fork no name spring | 41.39 | 581 | 369 | 111.35 | Summers (1976) |
| GR23 | EFGR-SUM | 2/22/66 | Gila East Fork no name spring | 41.4 | 560 | 367 | 117.35 | Summers (1976) |
| GR25 | M77-GR3 | ?/?/77 | Gila East Fork Hot Spring | 36.0 | | 385 | | Mariner and others (1977) |
| GR26 | EFS-LL66 | 2/20/66 | Gila Lyons Lodge East Fork Hot Springs | 35.6 | 500 | 358 | | Summers (1976) |
| GR26 | WSM-LL66 | 2/20/66 | Gila Lyons Lodge HS midpoint | 45.6 | | | | Summers (1976) |
| GR26 | WSC-LL66 | 2/20/66 | Gila Lyons Lodge HS composite | | 580 | 407 | 75.7 | Summers (1976) |
| GR26 | WSD-LL66 | 2/20/66 | Gila Lyons Lodge HS downstream | | | | | Summers (1976) |
| GR26 | WSU-LL66 | 2/20/66 | Gila Lyons Lodge HS upstream | | | | | Summers (1976) |
| GR27 | KWS-W3-1 | 965-196 | Kennecott Warm Spring Well #3 | 34.6 | 350 | 281 | | Summers (1976) |
| GR27 | KWS-W3-2 | 5/17/72 | Kennecott Warm Spring Well #3 | | 482 | 320 | | Summers (1976) |
| GR29 | NB82-27 | ?/?/80-82 | Kennecott Warm Spring Well #3 | 34.0 | | | | Norman and Bernhardt (1982) |
| GR30 | GS50019 | 7/14/62 | Cliff Warm Well | 33.3 | 665 | 435 | | Summers (1976) |
| GR30 | 94 | 7/14/62 | Cliff Warm Well | 33.5 | 665 | 435 | 37.85 | WATSTORE 1993 |
| GR30 | S76CLIFF | 3/3/66 | Cliff Warm Well | 35.0 | 610 | 439 | | Summers (1976) |
| GR32 | LD2 | ?/?/75-80 | Muir Ranch well | 33.0 | | 816 | | Swanberg (1980) |
| GR34 | 87 | 9/22/54 | well | 32.0 | 754 | | 1892.5 | WATSTORE 1993 |
| GR35 | 84 | 5/13/65 | well | 31.1 | 421 | 272 | | WATSTORE 1993 |
| GR36 | GS29750 | 4/26/55 | Spring Canyon Warm Spring | 28.9 | 472 | 311 | | Summers (1976) |
| GR39 | GILA23 | ?/?/75-80 | Riverside Well | 29.0 | | 292 | | Swanberg (1980) |
| GR39 | GS29790 | 6/6/55 | Riverside Well | 30.0 | 551 | 363 | | Summers (1976) |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|-----------|-----------|-----------------------------------|----------|---------------|-------------|---------------|-----------------------------|
| GR39 | GILA24 | ?/?/75-80 | Spring Canyon Warm Spring | 31.0 | | 332 | | Swanberg (1980) |
| GR39 | NB82-28 | ?/?/80-82 | Riverside Well | 38.0 | | | | Norman and Bernhardt (1982) |
| GR41 | GILA29 | ?/?/75-80 | Mangas Springs | 27.0 | | 544 | | Swanberg (1980) |
| GR42 | J1 | ?/?/75-80 | Allen Spring | 25.6 | | 492 | | Swanberg (1980) |
| GR43 | J7 | ?/?/75-80 | Cliff Warm Spring | 25.0 | | 164 | | Swanberg (1980) |
| GR43 | T72P193 | 9/14/55 | Cliff Warm Spring | 25.0 | 256 | | | Summers (1976) |
| GR44 | ATWS-W4-1 | 5/12/72 | Apache Tejo Warms Springs Well #4 | | 520 | 370 | | Summers (1976) |
| GR44 | ATWS-W4-2 | 5/12/72 | Apache Tejo Warms Springs Well #4 | | 634 | 868 | | Summers (1976) |
| GR45 | ATWS-W5 | 5/12/72 | Apache Tejo Warms Springs Well #5 | | | | | Summers (1976) |
| HD1 | SNM-11 | 6/2/87 | Lightning Dock Burgett Well #1 | 104.0 | 1666 | 1180.5 | | Shevenell (1987) |
| HD2 | 35 | 4/28/49 | Lightning Dock hot well | 98.0 | 1540 | | | WATSTORE 1993 |
| HD2 | GS59532 | 4/30/66 | Lightning Dock hot well | | 1560 | | | Summers (1976) |
| HD2 | S76LD-12 | 4/30/66 | Lightning Dock hot well | | 1500 | 1057 | | Summers (1976) |
| HD3 | NB82-40 | ?/?/80-82 | Lightning Dock hot well | 96.0 | | | | Norman and Bernhardt (1982) |
| HD4 | 36 | 4/30/66 | Lightning Dock hot well | 95.5 | 1560 | | | WATSTORE 1993 |
| HD4 | S76LD-10 | 4/27/54 | Lightning Dock hot well | | 1580 | 1160 | | Summers (1976) |
| HD5 | SNM-10 | 6/2/87 | Lightning Dock Burgett Well #10 | 95.2 | 1621 | 1136.6 | | Shevenell (1987) |
| HD6 | 37 | 4/10/55 | Lightning Dock hot well | 94.0 | 1510 | | 757 | WATSTORE 1993 |
| HD7 | P2 | ?/?/75-80 | Lightning Dock hot well | 85.0 | | 1116 | | Swanberg (1980) |
| HD8 | P3 | ?/?/75-80 | Lightning Dock McCants Well | 81.0 | | 1024 | | Swanberg (1980) |
| HD9 | P4 | ?/?/75-80 | Lightning Dock hot well | 71.0 | | 1608 | | Swanberg (1980) |
| HD10 | 33 | 4/30/66 | Lightning Dock hot well | 52 | 2310 | | | WATSTORE 1993 |
| HD10 | GS59533 | 4/30/66 | Lightning Dock hot well | | 2310 | 1680 | | Summers (1976) |
| HD10 | S76LD-5 | 3/2/66 | Lightning Dock hot well | | 2260 | 1732 | | Summers (1976) |
| HD10 | S76LD-2 | 12/12/58 | Lightning Dock hot well | | | 1055 | | Summers (1976) |
| HD10 | S76LD-3 | 4/5/60 | Lightning Dock hot well | | 1577 | 1112 | | Summers (1976) |
| HD10 | S76LD-4 | 8/2/65 | Lightning Dock hot well | | 2200 | 1761 | | Summers (1976) |
| HD10 | S76LD-6 | 4/30/66 | Lightning Dock hot well | | 2200 | 1786 | | Summers (1976) |
| HD11 | S76P15-2 | 7/8/55 | warm well | 31.1 | 1590 | | | Summers (1976) |
| HD11 | S76P15-3 | 6/20/66 | warm well | 31.4 | | | 37 | Summers (1976) |
| HD11 | S76P15-1 | 6/14/55 | warm well | 35.0 | | | | Summers (1976) |
| HD12 | 34 | 4/30/66 | Lightning Dock hot well | 33.5 | 1960 | | | WATSTORE 1993 |
| HD12 | GS59534 | 4/30/66 | Lightning Dock hot well | | 1960 | 1380 | | Summers (1976) |
| HD12 | S76LD-1 | 4/30/66 | Lightning Dock hot well | | 1760 | 1295 | | Summers (1976) |
| HD13 | 1 | 8/22/56 | well | 32.0 | 1020 | | | WATSTORE 1993 |
| HD14 | 63 | 7/8/55 | Blowing Well | 31.0 | 1590 | | 18.93 | WATSTORE 1993 |
| HD15 | 68 | 8/17/81 | well | 30.0 | 460 | | | WATSTORE 1993 |
| HD17 | S76LD-11 | 4/10/55 | Lightning Dock hot well | | 1510 | 1110 | | Summers (1976) |
| HD18 | S76LD-13 | 4/30/66 | Lightning Dock hot well | | | | | Summers (1976) |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|------------|-----------|--|----------|---------------|-------------|---------------|----------------------------|
| HD19 | S76LD-14 | 4/4/60 | Lightning Dock hot well | | 835 | 620 | | Summers (1976) |
| HD20 | S76LD-7A | 2/1/49 | Lightning Dock hot well | | 1650 | 1020 | | Summers (1976) |
| HD20 | S76LD-7B | 4/28/49 | Lightning Dock hot well | | 1540 | 1130 | | Summers (1976) |
| HD20 | S76LD-8 | 7/30/51 | Lightning Dock hot well | | 1600 | | | Summers (1976) |
| HD20 | S76LD-9 | 3/28/52 | Lightning Dock hot well | | 1600 | | | Summers (1976) |
| LA1 | 386 | 1/15/61 | Pueblo Canyon #7 Well | 30.5 | 729 | | 1816.8 | WATSTORE 1993 |
| LA1 | 385 | 1/10/61 | Pueblo Canyon #7 Well | 31 | 766 | | 1816.8 | WATSTORE 1993 |
| LU1 | S76-24SR7W | 8/4/69 | Smyer Well | 38.9 | 439 | | | Summers (1976) |
| LU1 | 42 | 8/4/69 | Smyer Well | 39.0 | 439 | | | WATSTORE 1993 |
| LU3 | 41 | 2/1/45 | well | 34.5 | 515 | | | WATSTORE 1993 |
| LU4 | 6 | 8/8/52 | well | 33.0 | 1620 | | 1400.5 | WATSTORE 1993 |
| LU6 | 40 | 1/5/54 | well | 31.5 | 824 | | | WATSTORE 1993 |
| LU7 | PAL4 | ?/?/75-80 | well | 31.5 | | 700 | | Swanberg (1980) |
| LU8 | W86 | ?/?/75-80 | well | 31.1 | | 732 | | Swanberg (1980) |
| LU9 | 8 | 5/22/58 | well | 30.5 | 1860 | 1130 | | WATSTORE 1993 |
| LU9 | 7 | 8/8/52 | well | 31.0 | 1850 | | 832.7 | WATSTORE 1993 |
| LU13 | 50 | 9/2/82 | Little Ed Well | 30.0 | 500 | | 3.79 | WATSTORE 1993 |
| LU14 | W69 | ?/?/75-80 | well | 30.0 | | 1168 | | Swanberg (1980) |
| LU15 | 5 | 8/26/82 | well | 30.0 | 1100 | | 378.5 | WATSTORE 1993 |
| MK1 | 234 | 8/4/50 | Fort Wingate Well/Santa Fe 'Spring' | 55.0 | 730 | | 87.06 | WATSTORE 1993 |
| MK1 | GS64891 | 10/2/68 | Fort Wingate Well/Santa Fe 'Spring' | 61.1 | 5520 | | | Summers (1976) |
| MK2 | 229 | 11/21/56 | well | 46.0 | 3110 | | 809.99 | WATSTORE 1993 |
| MK3 | DL-4-NM | 4/?/79 | Ya-Ta-Hey Well | 45.5 | | | | Levitte and Gambill (1980) |
| MK4 | 432 | 10/22/87 | well | 37.4 | 1600 | | | WATSTORE 1993 |
| MK4 | 430 | 4/24/86 | well | 42.2 | 1800 | | | WATSTORE 1993 |
| MK4 | 431 | 4/24/86 | well | 42.2 | 1800 | | | WATSTORE 1993 |
| MK5 | 231 | 3/5/86 | well | 40.2 | 2850 | 2330 | | WATSTORE 1993 |
| MK6 | 242 | 1/31/68 | well | 39.0 | 890 | 565 | | WATSTORE 1993 |
| MK7 | 299 | 4/1/60 | Navajo well | 36 | 594 | | 3785 | WATSTORE 1993 |
| MK7 | 298 | 4/28/54 | Navajo well | 37.5 | 703 | | 3785 | WATSTORE 1993 |
| MK8 | DL-15-NM | 6/?/79 | Toh Sah Toh | 37.0 | | | 1135 | Levitte and Gambill (1980) |
| MK9 | 240 | 1/24/69 | well | 34 | 1360 | | | WATSTORE 1993 |
| MK9 | 239 | 1/12/69 | well | 36 | 1570 | | | WATSTORE 1993 |
| MK10 | 264 | 7/14/81 | NTUA #2 Well | 36.0 | 500 | | | WATSTORE 1993 |
| MK11 | 261 | 7/14/81 | well | 35.5 | 450 | | | WATSTORE 1993 |
| MK12 | 296 | 3/12/75 | Pure Oil Navajo #1 (Tohachi Well) | 35 | 644 | | | WATSTORE 1993 |
| MK12 | GS52896 | 9/9/63 | Pure Oil Navajo #1 (Tohachi Well) | 35.6 | 606 | | 3406.9 | Summers (1976) |
| MK12 | GS44727 | 4/1/60 | Pure Oil Navajo #1 Well (Tohachi Well) | 36.1 | 594 | 390 | 3406.9 | Summers (1976) |
| MK12 | 297 | 8/28/85 | Pure Oil Navajo #1 (Tohachi Well) | 37.0 | 655 | | 1922.8 | WATSTORE 1993 |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|-----------|-----------|--|----------|---------------|-------------|---------------|--------------------------|
| MK12 | NM51 | ?/7/75-80 | Pure Oil Navajo #1 Well (Tohachi Well) | | | 376 | | Swanberg (1980) |
| MK13 | S76NAVAJO | 3/13/75 | Pure Oil Navajo #3 Well | 35.0 | | | | Summers (1976) |
| MK14 | 265 | 8/17/82 | Mobil Well Crown Point | 33.5 | 415 | | | WATSTORE 1993 |
| MK15 | 420 | 5/10/67 | well | 33.5 | 951 | | | WATSTORE 1993 |
| MK16 | 262 | 7/15/81 | well | 33.0 | 450 | | | WATSTORE 1993 |
| MK17 | 243 | 6/26/75 | well | 32.5 | 1500 | 906 | 2267.2 | WATSTORE 1993 |
| MK18 | 423 | 4/21/86 | well | 32.5 | 2900 | | | WATSTORE 1993 |
| MK18 | 422 | 4/21/86 | well | 32.7 | 2900 | | | WATSTORE 1993 |
| MK18 | 421 | 5/10/67 | well | 35.5 | 2910 | | | WATSTORE 1993 |
| MK19 | 235 | 12/22/33 | well | 32.0 | | | | WATSTORE 1993 |
| MK20 | 241 | 7/31/70 | well | 32 | 1280 | 860 | 2649.5 | WATSTORE 1993 |
| MK21 | 237 | 12/6/55 | well | 31.5 | 1220 | 802 | 946.25 | WATSTORE 1993 |
| MK22 | 202 | 5/6/64 | well | 30.5 | 1140 | 730 | | WATSTORE 1993 |
| MK23 | 256 | 10/2/87 | well | 30.5 | 800 | | | WATSTORE 1993 |
| MK24 | 260 | 7/14/81 | well | 30.0 | 675 | | | WATSTORE 1993 |
| OT1 | 45N9 | ?/7/45 | N-9 Well | 71.1 | | 12500 | | Henry and Gluck (1981) |
| OT2 | 57N11 | 1/7/57 | N-11 Well | 61.1 | 14500 | 8980 | | Henry and Gluck (1981) |
| OT3 | 26 | 10/18/56 | M-11 | 33.5 | 1980 | 1040 | | WATSTORE 1993 |
| OT3 | 56M11A | 10/7/56 | M-11(DST 465-504 ft) Well | 50.0 | 2050 | 1120 | | Henry and Gluck (1981) |
| OT3 | 56M11B | 12/7/56 | M-11 Well | hot | 2030 | 1170 | | Henry and Gluck (1981) |
| OT4 | 65 | 8/2/87 | FLOUR-1 Well | 30.0 | 18400 | | 1199.9 | WATSTORE 1993 |
| OT4 | 64 | 7/15/87 | FLOUR-1 Well | 33.5 | 18000 | | | WATSTORE 1993 |
| OT5 | S76GART4 | 12/17/65 | Garton Well | 33.7 | 10000 | 9086 | | Summers (1976) |
| OT5 | SA1 | ?/7/75-80 | Garton Well | 34.0 | | 9140 | | Swanberg (1980) |
| OT5 | S76GART1 | ?/7/29 | Garton Well | | | 7580 | 4164 | Summers (1976) |
| OT5 | S76GART2 | 3/29/35 | Garton Well | | | 9111 | 75 | Summers (1976) |
| OT5 | S76GART3 | 8/12/64 | Garton Well | | 16000 | 10240 | 30 | Summers (1976) |
| OT6 | OLDN8 | 1900 (?) | N-8 Well | hot (?) | | | | Henry and Gluck (1981) |
| OT7 | 27 | 1/28/57 | N-11 | 61.0 | 14500 | 9010 | 132.48 | WATSTORE 1993 |
| RA1 | OC-17 | 4/7/82 | Ojo Caliente Hot Spring Soda Spring | 27.3 | 4220 | 3673 | | Vuataz and others (1984) |
| RA1 | GS9877 | 10/1/74 | Ojo Caliente Hot Spring Soda Spring | 35.0 | 3890 | | | Summers (1976) |
| RA1 | GS13378 | 10/6/49 | Ojo Caliente Hot Spring Soda Spring | | 3910 | | | Summers (1976) |
| RA1 | HILLEBRD | ?/7/7? | Ojo Caliente Hot Spring Soda Spring | | | | | Summers (1976) |
| RA2 | OC-18 | 5/7/82 | Ojo Caliente Hot Spring Well | 53.6 | 4560 | 3724 | | Vuataz and others (1984) |
| RA2 | OC-4 | 12/7/79 | Ojo Caliente Hot Spring Well | 54.0 | 3900 | 3344 | | Vuataz and others (1984) |
| RA2 | OC-25 | 4/7/82 | Ojo Caliente Hot Spring Well | 54.2 | 4440 | 3618 | | Vuataz and others (1984) |
| RA2 | NM21 | ?/7/75-80 | Ojo Caliente Hot Spring Well | 55.6 | | 2576 | | Swanberg (1980) |
| RA3 | OC-14 | 4/7/82 | Ojo Caliente Arsenic Hot Spring | 38.3 | 4200 | 3665 | | Vuataz and others (1984) |
| RA3 | S76ARSEN | 12/3/74 | Ojo Caliente Arsenic Hot Spring | 38.3 | | | | Summers (1976) |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|----------|-----------|---|----------|---------------|-------------|---------------|-----------------------------|
| RA3 | NM19 | ?/?/75-80 | Ojo Caliente Arsenic Hot Spring | 43.5 | | 2652 | | Swanberg (1980) |
| RA3 | OC-5 | 7/?/80 | Ojo Caliente Arsenic Hot Spring | 43.5 | 4000 | 3131 | 20 | Vuataz and others (1984) |
| RA3 | GS13193 | 10/6/49 | Ojo Caliente Arsenic Hot Spring | 45.0 | 3930 | | | Summers (1976) |
| RA4 | NB82-4 | ?/?/80-82 | Ojo Caliente Hot Spring | 43.0 | | | | Norman and Bernhardt (1982) |
| RA5 | OC-2 | 12/?/79 | Ojo Caliente HS Lithia Spring | 38.0 | 3900 | 3475 | | Vuataz and others (1984) |
| RA5 | OC-13 | 4/?/82 | Ojo Caliente HS Lithia Spring | 41.9 | 4190 | 3630 | | Vuataz and others (1984) |
| RA6 | OC-3 | 12/?/79 | Ojo Caliente HS Sodium Sulfate Spring | 40.0 | 4100 | 3533 | 15 | Vuataz and others (1984) |
| RA6 | GS13192 | 10/6/49 | Ojo Caliente HS Sodium Sulfate Spring | 40.6 | 3920 | | | Summers (1976) |
| RA6 | NM20 | ?/?/75-80 | Ojo Caliente HS Sodium Sulfate spring | 41.1 | | 2668 | | Swanberg (1980) |
| RA6 | OC-16 | 4/?/82 | Ojo Caliente HS Sodium Sulfate Spring | 41.3 | 4250 | 3628 | 45 | Vuataz and others (1984) |
| RA6 | GS8978 | 10/1/47 | Ojo Caliente HS Sodium Sulfate Spring | | 3890 | | | Summers (1976) |
| RA7 | 450 | 12/3/74 | Ojo Caliente Hot Spring Iron Spring | 40.0 | 390 | | | WATSTORE 1993 |
| RA7 | OC-15 | 4/?/82 | Ojo Caliente Hot Spring Iron Spring | 42.2 | 4250 | 3674 | | Vuataz and others (1984) |
| RA7 | GS15115 | 12/3/74 | Ojo Caliente Hot Spring Iron Spring | 42.8 | 3900 | | | Summers (1976) |
| RA7 | S76IRON2 | 12/3/74 | Ojo Caliente Hot Spring Iron Spring | 42.8 | | | | Summers (1976) |
| RA7 | OC-1 | 12/?/79 | Ojo Caliente Hot Spring Iron Spring | 43.0 | 4100 | 3578 | 40 | Vuataz and others (1984) |
| RA7 | S76IRON1 | 11/30/65 | Ojo Caliente Hot Spring Iron Spring | | 3300 | 2438 | | Summers (1976) |
| RA8 | NB82-3 | ?/?/80-82 | Statue Spring | 29.0 | | | | Norman and Bernhardt (1982) |
| RA8 | OC-26 | 6/?/82 | Statue Spring | 29.2 | 1660 | 1386 | 110 | Vuataz and others (1984) |
| RA8 | 452 | 9/5/52 | Statue Spring | 36.0 | 1740 | | | WATSTORE 1993 |
| RA9 | OC-20 | 4/?/82 | Ojo Caliente Hot Spring Well #1 | 34.3 | 3000 | 2586 | | Vuataz and others (1984) |
| RA9 | PH65-524 | 4/8/65 | Ojo Caliente Hot Spring Well #1 | | 2375 | 1515 | | Summers (1976) |
| RA11 | NM18 | ?/?/75-80 | spring | 25.5 | | 1072 | | Swanberg (1980) |
| RA12 | PH65-523 | 4/8/65 | Ojo Caliente Hot Spring Well #2 | | 1050 | 665 | | Summers (1976) |
| SA1 | BA-7 | 7/?/82 | Jemez/Baca # 15 | 267.0 | 10400 | 5735 | | Shevenell and others (1987) |
| SA1 | BA-8 | 9/?/82 | Jemez/Baca # 15 | 326.0 | 10600 | 5783 | | Shevenell and others (1987) |
| SA2 | BA-5 | 7/?/82 | Jemez/Baca # 4 | 297.0 | 9100 | 4719 | | Shevenell and others (1987) |
| SA3 | BA-2 | 6/?/82 | Jemez/Baca # 4 | 294.0 | 9100 | 4769 | | Shevenell and others (1987) |
| SA4 | BA-4 | 7/?/82 | Jemez/Baca # 13 | 279.0 | 8900 | 4644 | | Shevenell and others (1987) |
| SA5 | BA-1 | 6/?/82 | Jemez/Baca #13 | 278.0 | 8500 | 4529 | | Shevenell and others (1987) |
| SA6 | BA-3 | 6/?/82 | Jemez/Baca #24 | 260.0 | 10600 | 5328 | | Shevenell and others (1987) |
| SA6 | BA-6 | 7/?/82 | Jemez/Baca #24 | 261.0 | 10400 | 5339 | | Shevenell and others (1987) |
| SA7 | VA-116 | 1/?/83 | Jemez/GRI WC 23-4 at 6300 ft depth | 232.6 | 30800 | 18100 | | Shevenell and others (1987) |
| SA8 | BA-9 | 10/?/82 | Jemez/Baca # 19 | 223.0 | 10900 | 6147 | | Shevenell and others (1987) |
| SA9 | VA-113 | 1/?/83 | Jemez/GRI WC 23-4 at 4800 ft depth | 214.0 | 13720 | 8580 | | Shevenell and others (1987) |
| SA9 | VA-114 | 1/?/83 | Jemez/GRI WC 23-4 at 4800 ft depth | 214.0 | | | | Shevenell and others (1987) |
| SA10 | S-6-80 | 3/?/82 | Jemez/Sulphur Springs Women's Bathhouse | 88.0 | 12800 | 6850 | | Shevenell and others (1987) |
| SA10 | VA-76 | 1/?/82 | Jemez/Sulphur Springs Women's Bathhouse | 89.0 | | | | Shevenell and others (1987) |
| SA11 | VA-80 | 3/?/80 | Jemez/Sulphur Springs main fumarole | 88.0 | 70 | 95.3 | | Shevenell and others (1987) |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|---------|-----------|---------------------------------------|----------|---------------|-------------|---------------|-----------------------------|
| SA12 | VA-15 | 1/?/79 | Jemez HS Jemez Springs #1 Well 152 m | 60.5 | 1700 | 1140 | 80 | Shevenell and others (1987) |
| SA12 | VA-21 | 2/?/79 | Jemez HS Jemez Springs #1 Well 152 m | 61.0 | 1830 | 1200 | 20 | Shevenell and others (1987) |
| SA12 | VA-19 | 1/?/79 | Jemez HS Jemez Springs #1 Well 24 m | 68.0 | 3300 | 2220 | 120 | Shevenell and others (1987) |
| SA12 | VA-144 | 2/?/84 | Jemez HS Jemez Springs #1 Well | 72.2 | 4670 | 3005 | | Shevenell and others (1987) |
| SA12 | VA-121 | 1/?/83 | Jemez HS Jemez Springs #1 Well | 73.3 | 4280 | 2530 | 64 | Shevenell and others (1987) |
| SA12 | VA-25 | 5/?/79 | Jemez HS Jemez Springs #1 Well 24 m | 73.3 | 3500 | 2560 | 8 | Shevenell and others (1987) |
| SA13 | VA-7 | 1/?/79 | Jemez HS Travertine Mound Spring | 70.0 | 4200 | 7580 | 4 | Shevenell and others (1987) |
| SA13 | VA-17 | 1/?/79 | Jemez HS Travertine Mound Spring | 72.0 | 4100 | 2600 | 4 | Shevenell and others (1987) |
| SA13 | VA-66 | 12/?/80 | Jemez HS Travertine Mound Spring | 72.0 | 3400 | 1700 | 4 | Shevenell and others (1987) |
| SA13 | VA-71 | 6/?/81 | Jemez HS Travertine Mound Spring | 72.0 | 3900 | 2520 | 4 | Shevenell and others (1987) |
| SA13 | VA-91 | 3/?/82 | Jemez HS Travertine Mound Spring | 72.3 | 4540 | | 4 | Shevenell and others (1987) |
| SA13 | VA-123 | 1/?/83 | Jemez HS Travertine Mound Spring | 72.6 | 4360 | 2550 | 3 | Shevenell and others (1987) |
| SA13 | VA-142 | 2/?/84 | Jemez HS Travertine Mound Spring | 72.9 | 4740 | 2630 | | Shevenell and others (1987) |
| SA14 | 272 | 8/31/49 | Jemez HS Soda Spring | 65.5 | 3560 | 2150 | 37.85 | WATSTORE 1993 |
| SA15 | VA14 | 1/?/79 | Jemez/Sulphur Springs unnamed HS | 63.0 | 5800 | 2490 | 2 | Shevenell and others (1987) |
| SA16 | 268 | 2/7/74 | Jemez Hot Springs | 31.5 | | | | WATSTORE 1993 |
| SA16 | 267 | 5/18/73 | Jemez Hot Springs | 49 | 3550 | | | WATSTORE 1993 |
| SA16 | 266 | 8/21/24 | Jemez Hot Springs | 52.0 | | 2184 | | WATSTORE 1993 |
| SA16 | JEMEZ6 | ?/?/75-80 | Jemez Hot Springs | 53.0 | | 1884 | | Swanberg (1980) |
| SA16 | NB82-8 | ?/?/80-82 | Jemez Hot Springs | 53.0 | | | | Norman and Bernhardt (1982) |
| SA16 | JEMEZ5 | ?/?/75-80 | Jemez Hot Springs | 56.0 | | 1952 | | Swanberg (1980) |
| SA16 | 269 | 5/30/74 | Jemez Hot Springs | 58 | 3460 | | | WATSTORE 1993 |
| SA16 | 270 | 7/15/75 | Jemez Hot Springs | 72.0 | 3250 | | | WATSTORE 1993 |
| SA16 | 274 | 8/1/47 | Jemez Hot Springs | 73.0 | 3700 | | | WATSTORE 1993 |
| SA16 | JEMEZ7 | ?/?/75-80 | Jemez Hot Springs | 74.0 | | 2156 | | Swanberg (1980) |
| SA17 | 393 | 8/13/47 | Jemez/Sulphur Springs Lemonade Spring | 53.0 | 3760 | | | WATSTORE 1993 |
| SA17 | S-10-80 | 9/?/80 | Jemez/Sulphur Springs Lemonade Spring | 58.0 | | 3220 | 0.5 | Shevenell and others (1987) |
| SA18 | JP91-2 | 11/11/91 | Jemez Pueblo # 1 Well | 57.8 | 5560 | 3947 | | Goff (1991) |
| SA18 | 91TDI1 | 1/5/91 | Jemez Pueblo #1 Well | 57.8 | | 3366 | 567.81 | Witcher (1991) |
| SA18 | 91TDI3 | 6/15/91 | Jemez Pueblo #1 Well | 58.2 | | 3349 | 567.81 | Witcher and others (1992) |
| SA19 | VA-18 | 1/?/79 | Jemez HS Gazebo Spring | 36.0 | 4250 | 2700 | | Shevenell and others (1987) |
| SA19 | VA-93 | 3/?/82 | Jemez HS Gazebo Spring | 46.3 | 4270 | | 20 | Shevenell and others (1987) |
| SA19 | VA-10 | 1/?/79 | Jemez HS Gazebo Spring | 55.0 | 4200 | 2660 | 20 | Shevenell and others (1987) |
| SA19 | VA-143 | 2/?/84 | Jemez HS Gazebo Spring | 74.7 | 4460 | 2640 | | Shevenell and others (1987) |
| SA19 | VA-122 | 1/?/83 | Jemez HS Gazebo Spring | 74.9 | 4380 | 2540 | 3 | Shevenell and others (1987) |
| SA19 | VA-147 | 4/?/84 | Jemez HS Gazebo Spring | | 3900 | | | Shevenell and others (1987) |
| SA20 | 245 | 9/29/26 | Kaseman #2 Well (Zia Hot Well) | 32.0 | | 11200 | | WATSTORE 1993 |
| SA20 | 249 | 4/2/45 | Kaseman #2 Well (Zia Hot Well) | 50.0 | 15400 | | | WATSTORE 1993 |
| SA20 | 254 | 1/25/74 | Kaseman #2 Well (Zia Hot Well) | 51.0 | | | | WATSTORE 1993 |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|---------|-----------|--|----------|---------------|-------------|---------------|-----------------------------|
| SA20 | 252 | 6/5/73 | Kaseman #2 Well (Zia Hot Well) | 52 | 15700 | | 321.73 | WATSTORE 1993 |
| SA20 | 253 | 6/6/73 | Kaseman #2 Well (Zia Hot Well) | 52.0 | | | | WATSTORE 1993 |
| SA20 | E | ?/?/75-80 | Kaseman #2 Well (Zia Hot Well) | 52.0 | | 11300 | | Swanberg (1980) |
| SA20 | 88TDI1 | 8/?/88 | Kaseman #2 Well (Zia Hot Well) | 53.0 | | 10720 | | Witcher (1988a) |
| SA20 | VA-125 | 2/?/83 | Kaseman #2 Well (Zia Hot Well) | 53.0 | 15700 | 11400 | 320 | Shevenell and others (1987) |
| SA20 | VA-67 | 3/?/81 | Kaseman #2 Well (Zia Hot Well) | 53.0 | 15800 | 11300 | 150 | Shevenell and others (1987) |
| SA20 | VA-74 | 10/?/81 | Kaseman #2 Well (Zia Hot Well) | 53.0 | 15600 | 12800 | 240 | Shevenell and others (1987) |
| SA20 | NB82-10 | ?/?/80-82 | Kaseman #2 Well (Zia Hot Well) | 54.0 | | | | Norman and Bernhardt (1982) |
| SA20 | VA-53 | 4/?/80 | Kaseman #2 Well (Zia Hot Well) | 54.0 | 16000 | 11700 | 150 | Shevenell and others (1987) |
| SA20 | 247 | 3/14/64 | Kaseman #2 Well (Zia Hot Well) | 54.4 | 15300 | | 5677.5 | WATSTORE 1993 |
| SA20 | VA-34 | 8/?/79 | Kaseman #2 Well (Zia Hot Well) | 56.0 | 16600 | 12200 | 150 | Shevenell and others (1987) |
| SA20 | 250 | 9/29/48 | Kaseman #2 Well (Zia Hot Well) | 59.0 | 15400 | | 1695.7 | WATSTORE 1993 |
| SA20 | VA-149 | 4/?/84 | Kaseman #2 Well (Zia Hot Well) | | 15500 | | | Shevenell and others (1987) |
| SA21 | VA-92 | 3/?/82 | Jemez HS Buddhist Spring | 43.2 | 3200 | | 15 | Shevenell and others (1987) |
| SA21 | VA-8 | 1/?/79 | Jemez HS Buddhist Spring | 49.0 | 3300 | 2160 | 4 | Shevenell and others (1987) |
| SA21 | VA-16 | 1/?/79 | Jemez HS Buddhist Spring | 50.0 | 3300 | 2550 | 4 | Shevenell and others (1987) |
| SA22 | VA-12 | 1/?/79 | Jemez HS Marsh Spring | 49.0 | 4100 | 2620 | 4 | Shevenell and others (1987) |
| SA23 | NB82-7 | ?/?/80-82 | Jemez/Soda Dam Hot Spring | 45.0 | | | | Norman and Bernhardt (1982) |
| SA23 | 279 | 3/8/73 | Jemez/Soda Dam Hot Spring | 46.0 | | | | WATSTORE 1993 |
| SA23 | 280 | 6/29/73 | Jemez/Soda Dam Hot Spring | 46.0 | 6500 | | | WATSTORE 1993 |
| SA23 | VA-109 | 1/?/83 | Jemez/Soda Dam Hot Spring | 46.8 | 7090 | 4570 | 60 | Shevenell and others (1987) |
| SA23 | VA-140 | 2/?/84 | Jemez/Soda Dam Hot Spring | 46.8 | 7300 | 4570 | | Shevenell and others (1987) |
| SA23 | JEMEZZ | ?/?/75-80 | Jemez/Soda Dam Hot Spring | 47.0 | | 3496 | | Swanberg (1980) |
| SA23 | VA-132 | 5/?/83 | Jemez/Soda Dam Hot Spring | 47.0 | 6800 | 4590 | | Shevenell and others (1987) |
| SA23 | VA-26 | 5/?/79 | Jemez/Soda Dam Hot Spring | 47.0 | 6600 | 4630 | 60 | Shevenell and others (1987) |
| SA23 | VA-51 | 4/?/80 | Jemez/Soda Dam Hot Spring | 47.0 | 5900 | 4150 | 60 | Shevenell and others (1987) |
| SA23 | VA-6 | 7/?/78 | Jemez/Soda Dam Hot Spring | 47.0 | | 4014 | 60 | Shevenell and others (1987) |
| SA23 | VA-64 | 12/?/80 | Jemez/Soda Dam Hot Spring | 47.0 | 5600 | 4200 | 60 | Shevenell and others (1987) |
| SA23 | VA-70 | 6/?/81 | Jemez/Soda Dam Hot Spring | 47.0 | 6700 | 4380 | 60 | Shevenell and others (1987) |
| SA23 | VA-73 | 10/?/81 | Jemez/Soda Dam Hot Spring | 47.0 | 6700 | 4539 | 40 | Shevenell and others (1987) |
| SA23 | VA-89 | 3/?/82 | Jemez/Soda Dam Hot Spring | 47.0 | 6700 | | 40 | Shevenell and others (1987) |
| SA23 | VA-99 | 8/?/82 | Jemez/Soda Dam Hot Spring | 47.5 | 6900 | | | Shevenell and others (1987) |
| SA23 | VA-9 | 1/?/79 | Jemez/Soda Dam Hot Spring | 48.0 | 7050 | 4620 | 60 | Shevenell and others (1987) |
| SA23 | 358 | 5/14/74 | Jemez/Soda Dam Hot Spring | 76.0 | 13000 | | | WATSTORE 1993 |
| SA23 | VA-146 | 4/?/84 | Jemez/Soda Dam Hot Spring | | 6700 | | | Shevenell and others (1987) |
| SA24 | 283 | 7/15/75 | Jemez/Soda Dam Hot Springs (west spring) | 46.0 | 5780 | | | WATSTORE 1993 |
| SA24 | 284 | 8/7/75 | Jemez/Soda Dam Hot Springs (west spring) | 50.0 | 5760 | | | WATSTORE 1993 |
| SA25 | 292 | 11/7/72 | Jemez/Spence Hot Spring | 39.5 | 276 | | 147.62 | WATSTORE 1993 |
| SA25 | 294 | 3/15/73 | Jemez/Spence Hot Spring | 39.5 | 295 | | | WATSTORE 1993 |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|---------|-----------|---------------------------------------|----------|---------------|-------------|---------------|-----------------------------|
| SA25 | 293 | 12/1/72 | Jemez/Spence Hot Spring | 41.0 | 282 | 224 | 166.54 | WATSTORE 1993 |
| SA25 | VA-83 | 3/?/82 | Jemez/Spence Hot Spring | 41.5 | 275 | 161 | 160 | Shevenell and others (1987) |
| SA25 | A | ?/?/75-80 | Jemez/Spence Hot Spring | 42.0 | | 297 | | Swanberg (1980) |
| SA25 | NB82-6 | ?/?/80-82 | Jemez/Spence Hot Spring | 42.0 | | | | Norman and Bernhardt (1982) |
| SA25 | VA-68 | 6/?/81 | Jemez/Spence Hot Spring | 42.0 | 280 | 297 | 80 | Shevenell and others (1987) |
| SA25 | VA-72 | 10/?/81 | Jemez/Spence Hot Spring | 42.0 | 275 | 276 | 20 | Shevenell and others (1987) |
| SA25 | VA-120 | 1/?/83 | Jemez/Spence Hot Spring | 42.3 | 293 | 292 | 160 | Shevenell and others (1987) |
| SA25 | VA-105 | 9/?/82 | Jemez/Spence Hot Spring | 42.5 | 315 | 161 | | Shevenell and others (1987) |
| SA25 | 291 | 8/1/47 | Jemez/Spence Hot Spring | 44.0 | 283 | | | WATSTORE 1993 |
| SA25 | VA-1 | 7/?/78 | Jemez/Spence Hot Spring | 45.0 | | 294 | 60 | Shevenell and others (1987) |
| SA26 | 387 | 8/31/24 | Jemez/Sulphur Springs Men's Bathhouse | 43.5 | | 7887 | | WATSTORE 1993 |
| SA26 | 392 | 12/2/74 | Jemez/Sulphur Springs Men's Bathhouse | 70.0 | | | | WATSTORE 1993 |
| SA26 | VA-75 | 1/?/82 | Jemez/Sulphur Springs Men's Bathhouse | 72.0 | | | | Shevenell and others (1987) |
| SA26 | VA-81 | 3/?/82 | Jemez/Sulphur Springs Men's Bathhouse | 73.6 | 1300 | 5.51 | | Shevenell and others (1987) |
| SA26 | VA-13 | 7/?/79 | Jemez/Sulphur Springs Men's Bathhouse | 78.0 | 4050 | 822 | | Shevenell and others (1987) |
| SA26 | 391 | 7/21/67 | Jemez/Sulphur Springs Men's Bathhouse | 81.0 | 17300 | | | WATSTORE 1993 |
| SA26 | S-7-80 | 9/?/80 | Jemez/Sulphur Springs Men's Bathhouse | 82.0 | 10300 | 2597 | | Shevenell and others (1987) |
| SA26 | 389 | 11/4/63 | Jemez/Sulphur Springs Men's Bathhouse | 87.0 | 13800 | | | WATSTORE 1993 |
| SA27 | 238 | 8/30/62 | Jemez Pueblo Indian Hot Spring | 35.0 | 5680 | | 7.57 | WATSTORE 1993 |
| SA27 | 88TDI10 | 8/?/88 | Jemez Pueblo Indian Hot Spring | 36.0 | | 3176 | | Witcher (1988b) |
| SA27 | 88TDI9 | 8/?/88 | Jemez Pueblo Indian Hot Spring | 43.0 | | 3572 | | Witcher (1988b) |
| SA28 | 287 | 1/16/73 | Jemez/McCauley Hot Spring | 30 | 140 | | 1313.4 | WATSTORE 1993 |
| SA28 | 289 | 12/13/74 | Jemez/McCauley Hot Spring | 31 | 165 | | | WATSTORE 1993 |
| SA28 | VA-3 | 7/?/78 | Jemez/McCauley Hot Spring | 31.0 | | 189 | 140 | Shevenell and others (1987) |
| SA28 | 286 | 1/16/73 | Jemez/McCauley Hot Spring | 31.5 | 165 | | 1392.9 | WATSTORE 1993 |
| SA28 | VA-87 | 3/?/82 | Jemez/McCauley Hot Spring | 31.5 | 190 | | 400 | Shevenell and others (1987) |
| SA28 | VA-119 | 1/?/83 | Jemez/McCauley Hot Spring | 31.9 | 173 | 186 | 960 | Shevenell and others (1987) |
| SA28 | B | ?/?/75-80 | Jemez/McCauley Hot Spring | 32.0 | | 220 | | Swanberg (1980) |
| SA28 | 285 | 8/1/47 | Jemez/McCauley Hot Spring | 43.0 | 198 | | | WATSTORE 1993 |
| SA29 | 424 | 5/16/73 | Jemez/San Antonio Hot Springs | 40 | 110 | | 1222.6 | WATSTORE 1993 |
| SA29 | VA-96 | 3/?/82 | Jemez/San Antonio Hot Spring | 40.8 | 140 | 168 | 125 | Shevenell and others (1987) |
| SA29 | VA-128 | 3/?/83 | Jemez/San Antonio Hot Spring | 41.3 | 127 | 167 | | Shevenell and others (1987) |
| SA29 | NB82-5 | ?/?/80-82 | Jemez/San Antonio Hot Spring | 42.0 | | | | Norman and Bernhardt (1982) |
| SA29 | VA-4 | 7/?/78 | Jemez/San Antonio Hot Spring | 42.0 | 150 | 170 | 150 | Shevenell and others (1987) |
| SA29 | F | ?/?/75-80 | Jemez/San Antonio Hot Spring | 56.0 | | 148 | | Swanberg (1980) |
| SA30 | S-4-80 | 9/?/80 | Jemez/Sulphur Springs Footbath Spring | 33.0 | 30200 | 8310 | | Shevenell and others (1987) |
| SA30 | 399 | 8/31/49 | Jemez/Sulphur Springs Footbath Spring | 40.5 | 4370 | 1730 | | WATSTORE 1993 |
| SA31 | 434 | 8/1/47 | Jemez/San Antonio Warm Springs | 38.5 | 167 | | 94.63 | WATSTORE 1993 |
| SA32 | VA-5 | 7/?/78 | Jemez/Soda Dam Grotto Spring | 38.0 | | 3950 | 12 | Shevenell and others (1987) |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|---------|-----------|--|----------|---------------|-------------|---------------|-----------------------------|
| SA33 | VA-94 | 3/?/82 | Jemez/Bathhouse HS | 37.4 | 178 | 261 | 18 | Shevenell and others (1987) |
| SA33 | VA-20 | 2/?/79 | Jemez/Bathhouse HS | 38.0 | 163 | 220 | 12 | Shevenell and others (1987) |
| SA33 | VA-126 | 3/?/83 | Jemez/Bathhouse HS | 38.1 | 166 | 498 | | Shevenell and others (1987) |
| SA34 | S-5-80 | 9/?/80 | Jemez/Sulphur Springs Electric Spring | 36.0 | 12800 | 4580 | 0.5 | Shevenell and others (1987) |
| SA34 | 396 | 8/31/49 | Jemez/Sulphur Springs Electric Spring | 39.0 | 12700 | 3160 | | WATSTORE 1993 |
| SA35 | VA-2 | 7/?/78 | Jemez/Little Spence Hot Spring | 34.0 | | 321 | | Shevenell and others (1987) |
| SA36 | 436 | 1/23/78 | Star Lake #2 Ojo Encino Well | 33 | 3000 | 2190 | 757 | WATSTORE 1993 |
| SA37 | VA-27 | 5/?/79 | Jemez/Soda Dam Hidden Warm Spring | 29.0 | 5700 | 3990 | 2 | Shevenell and others (1987) |
| SA37 | VA-90 | 3/?/82 | Jemez/Soda Dam Hidden Warm Spring | 32.0 | 6000 | | 6 | Shevenell and others (1987) |
| SA37 | VA-141 | 2/?/84 | Jemez/Soda Dam Hidden Warm Spring | 32.2 | 6260 | 4020 | | Shevenell and others (1987) |
| SA37 | VA-110 | 1/?/83 | Jemez/Soda Dam Hidden Warm Spring | 32.3 | 6150 | 3930 | 8 | Shevenell and others (1987) |
| SA38 | 228 | 8/26/72 | well | 32 | 3140 | 2460 | | WATSTORE 1993 |
| SA39 | 88TDI4 | 8/?/88 | Penasco #3 Spring | 27.0 | | 9672 | | Witcher (1988a) |
| SA40 | 88TDI6 | 8/?/88 | Penasco #4 Spring | 27.0 | | 9924 | | Witcher (1988a) |
| SA41 | 88TDI8 | 8/?/88 | Salado Warm Spring | 25.0 | | 9608 | | Witcher (1988a) |
| SA41 | M77-SA2 | ?/?/77 | Salado Warm Spring | 25.0 | | 10465 | | Mariner and others (1977) |
| SA42 | VA-130 | 5/?/83 | San Ysidro Warm Spring | 22.0 | 9400 | 6810 | | Shevenell and others (1987) |
| SA42 | NB82-9 | ?/?/80-82 | San Ysidro Warm Spring | 24.0 | | | | Norman and Bernhardt (1982) |
| SA42 | VA-33 | 8/?/79 | San Ysidro Warm Spring | 27.0 | 11550 | 7170 | 1 | Shevenell and others (1987) |
| SA42 | VA-148 | 4/?/84 | San Ysidro Warm Spring | | 10000 | | | Shevenell and others (1987) |
| SA43 | 88TDI3 | 8/?/88 | Swimming Pool Spring | 24.0 | | 7420 | | Witcher (1988b) |
| SA44 | PC2-6 | 9/?/84 | Jemez/PC-2 at 1335 ft (w/drilling fluid) | 40.0 | 4980 | 5577 | | Shevenell and others (1987) |
| SA44 | PC1-1 | 4/?/84 | Jemez/PC-1 at 1712 ft (w/drilling fluid) | | 9500 | 7510 | | Shevenell and others (1987) |
| SF1 | 401 | 7/19/51 | Guaje #3 Well | 30.5 | 192 | | 2407.3 | WATSTORE 1993 |
| SF2 | LA-7 | 9/?/78 | Los Alamos #1B Well | 30.0 | | 559 | 2180 | Shevenell and others (1987) |
| SF2 | 359 | 3/16/60 | Los Alamos #1B Well | 30.5 | 743 | 522 | | WATSTORE 1993 |
| SF2 | 364 | 1/15/61 | Los Alamos #1B Well | 30.5 | 729 | | 1816.8 | WATSTORE 1993 |
| SF2 | 365 | 1/15/61 | Los Alamos #1B Well | 30.5 | 729 | | 1816.8 | WATSTORE 1993 |
| SF2 | 366 | 1/19/61 | Los Alamos #1B Well | 30.5 | 720 | | 1816.8 | WATSTORE 1993 |
| SF2 | 367 | 2/8/61 | Los Alamos #1B Well | 30.5 | 775 | | 2271 | WATSTORE 1993 |
| SF2 | 362 | 1/10/61 | Los Alamos #1B Well | 31 | 766 | | 1816.8 | WATSTORE 1993 |
| SF2 | 363 | 1/10/61 | Los Alamos #1B Well | 31 | 766 | | 1816.8 | WATSTORE 1993 |
| SF2 | 361 | 8/31/60 | Los Alamos #1B Well | 31.5 | 778 | | | WATSTORE 1993 |
| SF2 | 368 | 6/9/61 | Los Alamos #1B Well | 32.0 | 876 | | 2271 | WATSTORE 1993 |
| SF3 | LA-12 | 9/?/78 | Los Alamos #G6 Well | 30.5 | | 191 | 1100 | Shevenell and others (1987) |
| SF4 | 301 | 9/26/51 | Los Alamos #6 Well | 30.0 | 504 | | 2259.7 | WATSTORE 1993 |
| SF4 | 305 | 6/25/54 | Los Alamos #6 Well | 30.0 | 513 | | | WATSTORE 1993 |
| SF4 | 326 | 6/19/58 | Los Alamos #6 Well | 30.0 | 517 | | 2271 | WATSTORE 1993 |
| SF4 | 349 | 7/7/59 | Los Alamos #6 Well | 30.0 | 529 | | 2214.2 | WATSTORE 1993 |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|-----------|-----------|-------------------------------|----------|---------------|-------------|---------------|-----------------------------|
| SF4 | 355 | 6/9/61 | Los Alamos #6 Well | 30.5 | 635 | | 2271 | WATSTORE 1993 |
| SF5 | LA-16 | 9/7/78 | Los Alamos #G2 Well | 30.0 | | 256 | 1820 | Shevenell and others (1987) |
| SI1 | 118 | 2/9/39 | TorC well | 45.5 | 4380 | | 3.79 | WATSTORE 1993 |
| SI2 | SNM-3 | 5/31/87 | TorC Artesian well | 41.2 | 5140 | 2697.5 | | Shevenell (1987) |
| SI2 | NB82-19 | ?/?/80-82 | TorC artesian well | 45.0 | | | | Norman and Bernhardt (1982) |
| SI3 | B9 | ?/?/75-80 | TorC Blackstone Mineral Bath | 45.0 | | 2608 | | Swanberg (1980) |
| SI4 | 112 | 2/9/39 | TorC well | 44.5 | 4400 | | 189.25 | WATSTORE 1993 |
| SI5 | NB82-18 | ?/?/80-82 | TorC Sierra Grande Bath | 44.0 | | | | Norman and Bernhardt (1982) |
| SI6 | GS38930 | 4/15/58 | TorC Yucca Lodge well 14 ft | 40.0 | 4460 | | | Summers (1976) |
| SI6 | GS44734 | 4/4/60 | TorC Yucca Lodge well 14 ft | 40.0 | 4450 | | | Summers (1976) |
| SI6 | S76TRC14B | 12/4/74 | TorC Yucca Lodge well 14 ft | 40.0 | 4500 | | | Summers (1976) |
| SI6 | S76W14-65 | 12/14/65 | TorC Yucca Lodge well 14 ft | 40.8 | 4300 | 2621 | | Summers (1976) |
| SI6 | GS43047 | 8/3/59 | TorC Yucca Lodge well 14 ft | 41.7 | 4450 | | | Summers (1976) |
| SI6 | GS54863 | 8/8/64 | TorC Yucca Lodge well 14 ft | 41.7 | 4520 | | 29.15 | Summers (1976) |
| SI6 | GS50301 | 3/13/62 | TorC Yucca Lodge well 14 ft | 41.9 | 4480 | | | Summers (1976) |
| SI6 | GS38827 | 8/5/57 | TorC Yucca Lodge well 14 ft | 42.2 | 4400 | | 32.18 | Summers (1976) |
| SI6 | GS52617 | 8/5/63 | TorC Yucca Lodge well 14 ft | 42.2 | 4490 | | | Summers (1976) |
| SI6 | S76TRC14A | 5/28/54 | TorC Yucca Lodge well 14 ft | 42.8 | 4510 | 2670 | 4.16 | Summers (1976) |
| SI6 | GS653 | 4/28/43 | TorC Yucca Lodge well 14 ft | 43.0 | | | | Summers (1976) |
| SI6 | GS18840 | 3/31/52 | TorC Yucca Lodge well 14 ft | 43.3 | 4430 | | 7.57 | Summers (1976) |
| SI6 | GS31092 | 8/2/55 | TorC Yucca Lodge well 14 ft | 43.3 | 4450 | | 2.91 | Summers (1976) |
| SI6 | T41-YLW14 | 2/?/39 | TorC Yucca Lodge well 14 ft | 43.3 | | | | Summers (1976) |
| SI6 | GS33929 | 9/17/56 | TorC Yucca Lodge well 14 ft | 43.6 | 4450 | | 2.91 | Summers (1976) |
| SI6 | GS15117 | 12/4/74 | TorC Yucca Lodge well 14 ft | | 4500 | | | Summers (1976) |
| SI6 | GS27039 | 7/12/54 | TorC Yucca Lodge well 14 ft | | 4420 | | 1.89 | Summers (1976) |
| SI7 | NB82-17 | ?/?/80-82 | TorC Yucca Lodge | 43.0 | | | | Norman and Bernhardt (1982) |
| SI8 | S76YUCCA | 12/14/65 | TorC Yucca Lodge outdoor pool | 41.7 | | | | Summers (1976) |
| SI9 | B10 | ?/?/75-80 | TorC Sierra Mineral Bath | 41.0 | | 2688 | | Swanberg (1980) |
| SI10 | B11 | ?/?/75-80 | TorC warm spring | 41.0 | | 2640 | | Swanberg (1980) |
| SI11 | B19 | ?/?/75-80 | TorC Yucca Lodge | 41.0 | | 2708 | | Swanberg (1980) |
| SI12 | 111 | 9/15/44 | TorC Old Government Spring | 40.0 | 4480 | | 4.92 | WATSTORE 1993 |
| SI12 | GS20949 | 2/9/39 | TorC Old Government Spring | | 4520 | 2560 | | Summers (1976) |
| SI12 | GS684 | 6/23/38 | TorC Old Government Spring | | 4590 | | | Summers (1976) |
| SI13 | 107 | 7/19/45 | TorC well | 40.0 | 4410 | | 3.03 | WATSTORE 1993 |
| SI14 | 108 | 2/9/39 | TorC well | 40 | | | | WATSTORE 1993 |
| SI14 | 113 | 2/9/39 | TorC well | 44.5 | 4410 | 2490 | 257.38 | WATSTORE 1993 |
| SI15 | 98 | 2/9/39 | TorC Ponce De Leon Spring | 39 | 4400 | 2440 | 473.13 | WATSTORE 1993 |
| SI15 | 96 | 4/18/50 | TorC Ponce De Leon Spring | 40.0 | 4480 | | 605.6 | WATSTORE 1993 |
| SI15 | 97 | 4/18/50 | TorC Ponce De Leon Spring | 40.0 | 4470 | | | WATSTORE 1993 |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|-----------|-----------|-------------------------------|----------|---------------|-------------|---------------|-----------------------------|
| SI15 | 100 | 2/10/39 | TorC Ponce De Leon Spring | 40.0 | 4350 | | | WATSTORE 1993 |
| SI15 | 102 | 4/15/58 | TorC Ponce De Leon Spring | 40.0 | 4460 | | | WATSTORE 1993 |
| SI15 | 104 | 12/4/74 | TorC Ponce De Leon Spring | 40.0 | 4500 | | | WATSTORE 1993 |
| SI15 | 103 | 8/13/62 | TorC Ponce De Leon Spring | 41.5 | 4480 | | | WATSTORE 1993 |
| SI15 | 99 | 10/6/50 | TorC Ponce De Leon Spring | 42.0 | 4470 | | 113.55 | WATSTORE 1993 |
| SI15 | 105 | 8/5/57 | TorC Ponce De Leon Spring | 42.0 | 4400 | | 32.17 | WATSTORE 1993 |
| SI16 | 106 | 2/9/39 | TorC Geronimo (State) Springs | 38.5 | | | | WATSTORE 1993 |
| SI16 | SNM-4 | 5/31/87 | TorC Geronimo (State) Springs | 42.0 | 5120 | 2696.6 | | Shevenell (1987) |
| SI16 | GS20948 | 2/9/39 | TorC Geronimo (State) Springs | | 4290 | 2418 | | Summers (1976) |
| SI16 | GS3932 | 3/20/26 | TorC Geronimo (State) Springs | | | | | Summers (1976) |
| SI17 | NB82-24 | ?/?/80-82 | Hillsboro Warm Spring | 34.0 | | | | Norman and Bernhardt (1982) |
| SI17 | JUST1 | ?/?/75-80 | Hillsboro Warm Spring | 34.5 | | 568 | | Swanberg (1980) |
| SI19 | S76DWS-65 | 12/16/65 | Derry Warm Springs | 33.8 | 1420 | 823 | | Summers (1976) |
| SI19 | S76DWS-74 | 12/4/74 | Derry Warm Springs | 33.8 | | | | Summers (1976) |
| SI19 | 124 | 7/8/55 | Sun Oil Test Well | 34.0 | 2600 | | 3406.5 | WATSTORE 1993 |
| SI19 | B5 | ?/?/75-80 | Derry Warm Springs | | | 1240 | | Swanberg (1980) |
| SI19 | B6 | ?/?/75-80 | Derry Warm Springs | | | 1228 | | Swanberg (1980) |
| SI19 | GS1510 | 12/4/74 | Derry Warm Springs | | 1660 | | | Summers (1976) |
| SI20 | CON54DWS | 4/17/47 | Derry Warm Springs | 33.9 | 1650 | 1030 | | Summers (1976) |
| SI20 | GS35977 | 4/30/57 | Derry Warm Springs | 33.9 | 1660 | 823 | | Summers (1976) |
| SI20 | 88 | 3/7/52 | Derry Warm Springs | 34.0 | 1660 | | 37.85 | WATSTORE 1993 |
| SI20 | 89 | 4/30/57 | Derry Warm Springs | 34.0 | 1660 | | | WATSTORE 1993 |
| SI20 | GS18725 | 3/7/52 | Derry Warm Springs | 34.0 | 1660 | | 189 | Summers (1976) |
| SI21 | 90 | 4/17/47 | well | 34.0 | 1650 | | | WATSTORE 1993 |
| SI21 | 91 | 3/7/52 | well | 34.0 | 1660 | | 30.28 | WATSTORE 1993 |
| SI21 | 92 | 12/4/74 | well | 34 | 1660 | | | WATSTORE 1993 |
| SI21 | 125 | 3/7/52 | well | 34.0 | 1660 | | | WATSTORE 1993 |
| SI22 | 83 | 9/9/71 | well | 31 | 1350 | 953 | | WATSTORE 1993 |
| SI23 | S76AFTER | 12/15/65 | Barney Iorio #1 Fee | 33.0 | 5600 | 4931 | 88 | Summers (1976) |
| SI23 | B12 | ?/?/75-80 | warm spring | | | 1392 | | Swanberg (1980) |
| SI24 | HAREMIT | 12/?/1901 | TorC "warm spring" | | | 2635 | | Summers (1976) |
| SI25 | GS44137 | 12/2/59 | Barney Iorio #1 Fee | | 5600 | | | Summers (1976) |
| SJ1 | 440 | 7/22/78 | well | 62 | 11400 | | 1514 | WATSTORE 1993 |
| SJ2 | 442 | 1/6/76 | well | 48 | 4000 | 3620 | | WATSTORE 1993 |
| SJ2 | 441 | 5/5/75 | well | 57 | 4350 | | 1135.5 | WATSTORE 1993 |
| SJ3 | 448 | 6/11/87 | Navajo well | 51.8 | 1200 | | | WATSTORE 1993 |
| SJ3 | 446 | 9/24/73 | Navajo well | 61 | 1390 | 880 | | WATSTORE 1993 |
| SJ4 | 443 | 3/28/78 | Dome Well Chaco | 42 | 10000 | | | WATSTORE 1993 |
| SJ5 | 474 | 7/21/87 | ARCO WS-2 well | 39.9 | 8000 | | | WATSTORE 1993 |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|-----------|-----------|----------------------------|----------|---------------|-------------|---------------|-----------------------------|
| SJ6 | 444 | 9/12/49 | Navajo well | 35.5 | 2320 | | 75.7 | WATSTORE 1993 |
| SJ7 | 466 | 6/10/87 | Navajo 12T-630 Well | 31.0 | 4930 | | | WATSTORE 1993 |
| SJ7 | 464 | 6/19/86 | Navajo 12T-630 Well | 33.0 | 6000 | | | WATSTORE 1993 |
| SJ8 | 437 | 4/22/86 | well | 32.8 | 2720 | | | WATSTORE 1993 |
| SJ8 | 438 | 4/22/86 | well | 32.8 | 2720 | | | WATSTORE 1993 |
| SJ8 | 439 | 10/21/87 | well | 32.9 | 2800 | | | WATSTORE 1993 |
| SJ9 | 471 | 8/29/49 | Navajo well | 30.5 | 5050 | | 567.75 | WATSTORE 1993 |
| SJ9 | 473 | 10/9/52 | Navajo well | 32.0 | 4110 | | 567.75 | WATSTORE 1993 |
| SJ10 | 467 | 3/9/61 | Navajo 12T-520 Well | 30.0 | 4050 | | 586.68 | WATSTORE 1993 |
| SJ10 | 468 | 6/16/86 | Navajo 12T-520 Well | 31.0 | 4000 | | | WATSTORE 1993 |
| SJ10 | 470 | 6/9/87 | Navajo 12T-520 Well | 31.1 | 4300 | | | WATSTORE 1993 |
| SJ11 | 453 | 4/15/54 | well | 30.5 | 8610 | | | WATSTORE 1993 |
| SJ12 | 463 | 6/10/87 | Navajo 12T-629 Well | 30.5 | 4200 | | | WATSTORE 1993 |
| SM1 | S76MNTZ1 | 1/3/66 | Montezuma Hot Spring #1 | 55.2 | 810 | | | Summers (1976) |
| SM1 | GS2083 | 5/16/39 | Montezuma Hot Spring #1 | | 878 | 554 | | Summers (1976) |
| SM1 | GS4801 | 7/2/40 | Montezuma Hot Spring #1 | | 870 | 537 | | Summers (1976) |
| SM1 | GS5233 | 8/20/40 | Montezuma Hot Spring #1 | | 878 | 531 | | Summers (1976) |
| SM2 | GS18609 | 3/11/52 | Montezuma Hot Spring #6 | 50.6 | 876 | 530 | | Summers (1976) |
| SM3 | NM3 | ?/?/75-80 | Montezuma Hot Spring | 34.3 | | 464 | | Swanberg (1980) |
| SM3 | NM6 | ?/?/75-80 | Montezuma Hot Spring | 35.6 | | 400 | | Swanberg (1980) |
| SM3 | NM2 | ?/?/75-80 | Montezuma Hot Spring | 48.0 | | 452 | | Swanberg (1980) |
| SM3 | NB82-11 | ?/?/80-82 | Montezuma Hot Spring | 49.0 | | | | Norman and Bernhardt (1982) |
| SM3 | NM4 | ?/?/75-80 | Montezuma Hot Spring | 53.0 | | 460 | | Swanberg (1980) |
| SM3 | NM1 | ?/?/75-80 | Montezuma Hot Spring | 53.8 | | 432 | | Swanberg (1980) |
| SM3 | NM5 | ?/?/75-80 | Montezuma Hot Spring | 58.5 | | 448 | | Swanberg (1980) |
| SM4 | GS18610 | 3/11/52 | Montezuma Hot Spring #13 | 41.1 | 876 | 528 | | Summers (1976) |
| SM6 | S76MNTZ16 | 2/11/66 | Montezuma Hot Spring #16 | | | | | Summers (1976) |
| SM9 | S76MNTZ2 | 2/11/66 | Montezuma Hot Spring #2 | | | | | Summers (1976) |
| SM10 | S76MNTZ20 | 2/11/66 | Montezuma Hot Spring #20 | | | | | Summers (1976) |
| SM15 | S76MNTZ15 | 2/11/66 | Montezuma Hot Spring #15 | | | | | Summers (1976) |
| SM18 | S76MNTZ18 | 2/11/66 | Montezuma Hot Spring #18 | | | | | Summers (1976) |
| SM19 | S76MNTZ19 | 2/11/66 | Montezuma Hot Spring #19 | | | | | Summers (1976) |
| SO1 | CH823-66 | 8/23/66 | core hole | 42.2 | 3460 | | | Summers (1976) |
| SO2 | 166 | 5/7/79 | warm well | 36 | 430 | | 11.36 | WATSTORE 1993 |
| SO3 | 126 | 8/24/79 | Welty Salty Well | 35 | 2100 | 1440 | 18.93 | WATSTORE 1993 |
| SO4 | NB82-16 | ?/?/80-82 | Bosque del Apache Well #13 | 33.0 | | | | Norman and Bernhardt (1982) |
| SO5 | 127 | 7/2/80 | warm well | 33 | 4600 | | | WATSTORE 1993 |
| SO5 | 128 | 2/24/88 | warm well | 33.0 | 4450 | 2870 | | WATSTORE 1993 |
| SO6 | 161 | 7/24/56 | Blue Canyon Well | 30.0 | 380 | | | WATSTORE 1993 |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|------------|-----------|------------------------|----------|---------------|-------------|---------------|-----------------------------|
| SO6 | 160 | 12/4/74 | Blue Canyon Well | 31.5 | 360 | | | WATSTORE 1993 |
| SO6 | 163 | 1/22/64 | Blue Canyon Well | 31.8 | 380 | | 15.14 | WATSTORE 1993 |
| SO6 | GS-BLUE | 4/10/65 | Blue Canyon Well | 32.2 | 375 | | 18.93 | Summers (1976) |
| SO6 | GS54325 | 1/22/64 | Blue Canyon Well | 32.2 | 380 | | 18.93 | Summers (1976) |
| SO6 | 159 | 7/24/56 | Blue Canyon Well | 32.4 | 380 | | 75.7 | WATSTORE 1993 |
| SO6 | NB82-12 | ?/7/80-82 | Blue Canyon Well | 33.0 | | | | Norman and Bernhardt (1982) |
| SO6 | GS3372 | 7/24/56 | Blue Canyon Well | 33.3 | 380 | | 71.92 | Summers (1976) |
| SO6 | BLUE12-74 | 12/4/74 | Blue Canyon Well | | | | 18.93 | Summers (1976) |
| SO6 | GS15116 | 12/4/74 | Blue Canyon Well | | 360 | | | Summers (1976) |
| SO6 | HALL4 | 12/20/61 | Blue Canyon Well | | | | | Summers (1976) |
| SO6 | BLUE10-65 | 10/22/65 | Blue Canyon Well | | 365 | 145 | | Summers (1976) |
| SO7 | 148 | 1/24/57 | Socorro Gallery Spring | 30 | 348 | 224 | | WATSTORE 1993 |
| SO7 | 149 | 3/20/58 | Socorro Gallery Spring | 30.0 | 362 | 231 | | WATSTORE 1993 |
| SO7 | 151 | 2/5/63 | Socorro Gallery Spring | 30.0 | 356 | | | WATSTORE 1993 |
| SO7 | 155 | 2/4/77 | Socorro Gallery Spring | 30.0 | 370 | | | WATSTORE 1993 |
| SO7 | 153 | 4/10/65 | Socorro Gallery Spring | 30.5 | 346 | | | WATSTORE 1993 |
| SO7 | 154 | 10/23/65 | Socorro Gallery Spring | 30.5 | | | | WATSTORE 1993 |
| SO7 | 150 | 12/12/61 | Socorro Gallery Spring | 31.0 | 370 | | | WATSTORE 1993 |
| SO7 | 141 | 3/20/58 | Socorro Gallery Spring | 31.5 | 362 | | 832.7 | WATSTORE 1993 |
| SO7 | 140 | 1/24/57 | Socorro Gallery Spring | 32 | 348 | 224 | 1336.1 | WATSTORE 1993 |
| SO7 | NB82-13 | ?/7/80-82 | Socorro Gallery Spring | 32.0 | | | | Norman and Bernhardt (1982) |
| SO7 | S76FIG27-3 | 10/23/65 | Socorro Gallery Spring | 32.4 | 334 | 245 | | Summers (1976) |
| SO7 | 157 | 10/30/80 | Socorro Gallery Spring | 32.5 | 352 | 224 | | WATSTORE 1993 |
| SO7 | S76FIG27-1 | 10/23/65 | Socorro Gallery Spring | 32.6 | 335 | 249 | | Summers (1976) |
| SO7 | WALD1956 | ?/7/52 | Socorro Gallery Spring | 32.8 | | | | Summers (1976) |
| SO7 | 158 | 1/1/51 | Socorro Gallery Spring | 33.0 | | 234 | | WATSTORE 1993 |
| SO7 | HALL1 | 12/12/61 | Socorro Gallery Spring | 33.0 | 370 | | | Summers (1976) |
| SO7 | GS410-65 | 4/10/65 | Socorro Gallery Spring | 33.1 | 346 | | | Summers (1976) |
| SO7 | S76FIG27-4 | 10/23/65 | Socorro Gallery Spring | 33.1 | 339 | 232 | | Summers (1976) |
| SO7 | 142 | 4/10/65 | Socorro Gallery Spring | 33.5 | 346 | | | WATSTORE 1993 |
| SO7 | S76FIG27-2 | 10/23/65 | Socorro Gallery Spring | 33.6 | 340 | 234 | | Summers (1976) |
| SO7 | GS110-64 | 1/10/64 | Socorro Gallery Spring | | 356 | 236 | | Summers (1976) |
| SO7 | HALL2 | 2/5/63 | Socorro Gallery Spring | | 356 | | | Summers (1976) |
| SO7 | NMHSS-SC | 6/19/73 | Socorro Gallery Spring | | 330 | 220 | | Summers (1976) |
| SO7 | S76GS2-48 | 2/10/48 | Socorro Gallery Spring | | 352 | | | Summers (1976) |
| SO7 | SCOFD2 | 12/4/36 | Socorro Gallery Spring | | 347 | | | Summers (1976) |
| SO7 | CLKPRST | 5/24/31 | Socorro Gallery Spring | | | 318 | | Summers (1976) |
| SO7 | GS38854 | 3/20/58 | Socorro Gallery Spring | | 362 | | 832.79 | Summers (1976) |
| SO7 | JONES04 | ?/7/03 | Socorro Gallery Spring | | | | 1870 | Summers (1976) |

| SITE ID | SAMPLE | DATE | NAME | TMP C | COND uS/cm | TDS mg/L | FLOW L/min | REFERENCE |
|---------|----------|-----------|--------------------------------|----------|---------------|-------------|---------------|-----------------------------|
| SO7 | SCOFD1 | 2/17/36 | Socorro Gallery Spring | | 340 | | | Summers (1976) |
| SO7 | SCOFD3 | 12/4/36 | Socorro Gallery Spring | | 348 | | | Summers (1976) |
| SO7 | SCTTBRK | 1/24/57 | Socorro Gallery Spring | | 348 | 224 | 1184.8 | Summers (1976) |
| SO7 | SETTLING | 10/23/65 | Socorro Gallery Spring | | | 232 | 1105.3 | Summers (1976) |
| SO8 | 133 | 1/22/64 | Socorro/Sedilla Gallery Spring | 30 | 352 | 237 | | WATSTORE 1993 |
| SO8 | 139 | 9/4/80 | Socorro/Sedilla Gallery Spring | 30.0 | 331 | 255 | | WATSTORE 1993 |
| SO8 | 137 | 7/1/77 | Socorro/Sedilla Gallery Spring | 30.5 | 340 | | | WATSTORE 1993 |
| SO8 | HALL3 | 12/12/61 | Socorro/Sedilla Gallery Spring | 31.1 | 370 | | | Summers (1976) |
| SO8 | 138 | 1/22/64 | Socorro/Sedilla Gallery Spring | 32 | 352 | | 643.45 | WATSTORE 1993 |
| SO8 | SNM-21 | 6/5/87 | Socorro/Sedilla Gallery Spring | 32.0 | 338 | 319.6 | | Shevenell (1987) |
| SO8 | GS54324 | 1/22/64 | Socorro/Sedilla Gallery Spring | 32.2 | 352 | | | Summers (1976) |
| SO8 | B13 | ?/?/75-80 | Socorro/Sedilla Gallery Spring | 34.0 | | 284 | | Swanberg (1980) |
| SO8 | GS38853 | 3/20/58 | Socorro/Sedilla Gallery Spring | | | | 908.49 | Summers (1976) |
| SO8 | NMHSS-SD | 6/19/73 | Socorro/Sedilla Gallery Spring | | 343 | 298 | | Summers (1976) |
| SO8 | S76SEDI | 10/23/65 | Socorro/Sedilla Gallery Spring | | 336 | 249 | | Summers (1976) |
| SO9 | B28 | ?/?/75-80 | well | 30.0 | | 192 | | Swanberg (1980) |
| SO10 | 167 | 7/10/79 | well | 30.0 | 4000 | 4220 | | WATSTORE 1993 |
| SO11 | B25 | ?/?/75-80 | Monticello Box Warm Spring | 29.0 | | 516 | | Swanberg (1980) |
| SO12 | B17 | ?/?/75-80 | Monticello Box Warm Spring | 28.0 | | 468 | | Swanberg (1980) |
| SO13 | LUC-17 | 5/?/80 | artesian well | 26 | 4000 | | 10 | Goff and others (1983) |
| SO14 | LUC-19 | 5/?/80 | Field Artesian Well | 25 | 3700 | | 40 | Goff and others (1983) |
| SO15 | LUC-25 | 5/?/80 | Ojo Saladito Spring | 24 | 12000 | | 20 | Goff and others (1983) |
| SP16 | B14 | ?/?/75-80 | Cook Spring | | | 348 | | Swanberg (1980) |
| TS1 | S76JDUN | 12/4/65 | Hondo Hot Spring | 36.9 | 740 | 505 | 1.89 | Summers (1976) |
| TS1 | NM31 | ?/?/75-80 | Hondo Hot Spring | 40.6 | | 584 | | Swanberg (1980) |
| TS2 | NM30 | ?/?/75-80 | Mamby Hot Spring | 32.8 | | 396 | | Swanberg (1980) |
| TS2 | 458 | 12/3/74 | Mamby Hot Spring | 34 | 794 | | | WATSTORE 1993 |
| TS2 | S76MAM3 | 12/3/74 | Mamby Hot Spring | 34.4 | | | | Summers (1976) |
| TS2 | S76MAM1 | 12/3/65 | Mamby Hot Spring | 37.8 | 660 | 520 | 113 | Summers (1976) |
| TS2 | S76MAM2 | 12/3/65 | Mamby Hot Spring | 37.8 | 729 | 491 | 113 | Summers (1976) |
| TS2 | 457 | 7/21/67 | Mamby Hot Spring | 38 | 736 | 504 | | WATSTORE 1993 |
| TS2 | 459 | 7/21/67 | Mamby Hot Spring | 38 | 736 | 491 | | WATSTORE 1993 |
| TS2 | NB82-1 | ?/?/80-82 | Mamby Hot Spring | 38.0 | | | | Norman and Bernhardt (1982) |
| TS2 | NM29 | ?/?/75-80 | Mamby Hot Spring | 38.3 | | 552 | | Swanberg (1980) |
| TS2 | GS15113 | 12/3/74 | Mamby Hot Spring | | 794 | | | Summers (1976) |
| TS3 | 460 | 7/22/76 | warm spring | 37 | 760 | | | WATSTORE 1993 |
| TS4 | 451 | 12/3/74 | Rancho Del Rio Grande Well | 32 | 786 | | | WATSTORE 1993 |
| TS5 | NB82-2 | ?/?/80-82 | Ponce de Leon Hot Spring | 34.0 | | | | Norman and Bernhardt (1982) |
| TS5 | S76SITE6 | 12/3/74 | Ponce de Leon Hot Spring | 34.0 | | | | Summers (1976) |

| <i>SITE ID</i> | <i>SAMPLE</i> | <i>DATE</i> | <i>NAME</i> | <i>TMP C</i> | <i>COND uS/cm</i> | <i>TDS mg/L</i> | <i>FLOW L/min</i> | <i>REFERENCE</i> |
|----------------|---------------|-------------|--------------------------|------------------|-----------------------|---------------------|-----------------------|------------------|
| TS5 | NM22 | ?/?/75-80 | Ponce de Leon Hot Spring | 34.4 | | 512 | | Swanberg (1980) |
| TS5 | S76SITE2 | 12/5/65 | Ponce de Leon Hot Spring | 34.6 | 740 | 486 | 529.95 | Summers (1976) |
| TS5 | GS15114 | 12/3/74 | Ponce de Leon Hot Spring | | 786 | | | Summers (1976) |
| VA1 | S76-52270 | 5/22/70 | well | 80.0 | 3450 | 3440 | | Summers (1976) |
| VA2 | 172 | 7/13/75 | well | 32.5 | 625 | 468 | | WATSTORE 1993 |

APPENDIX 5

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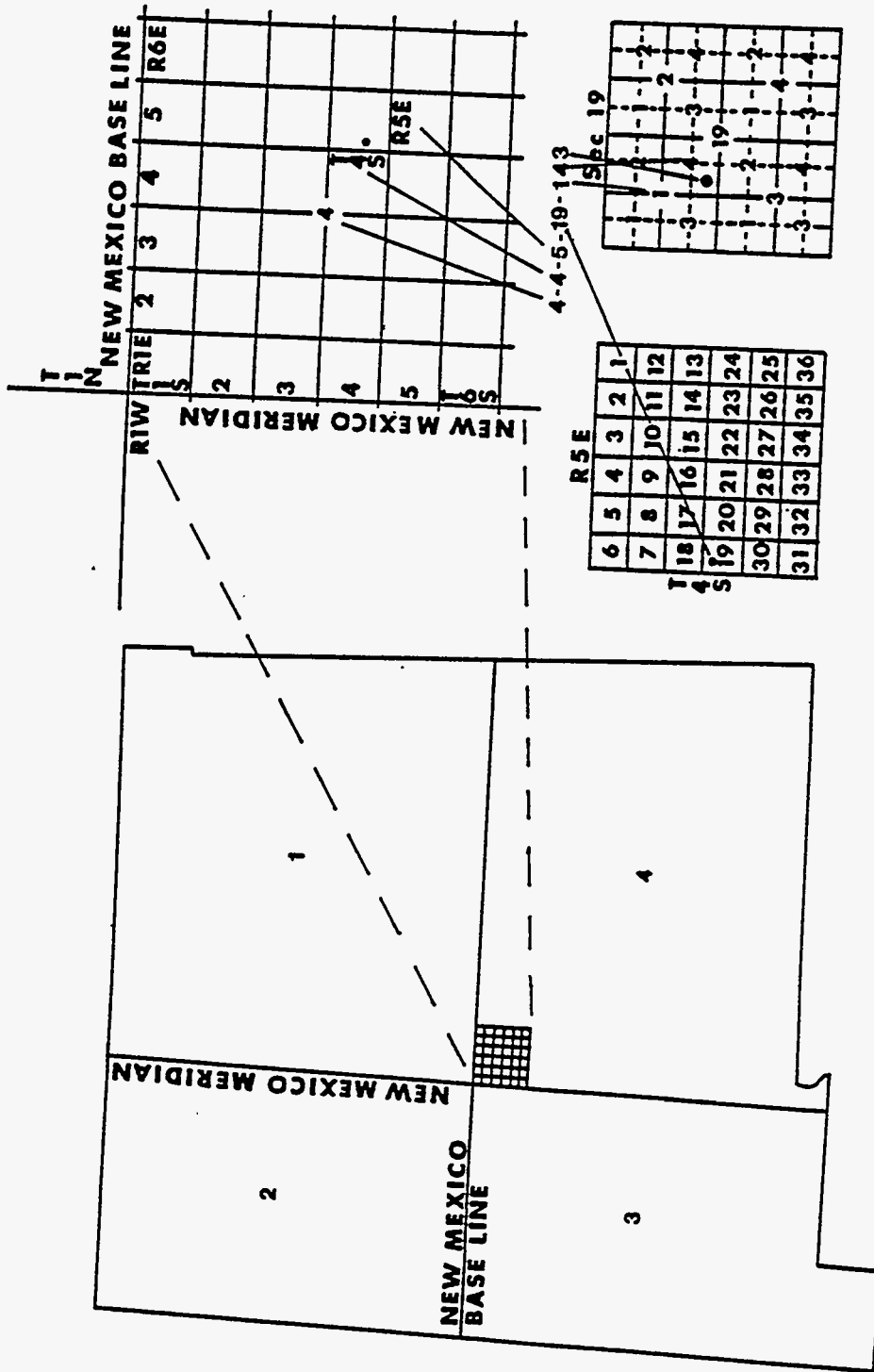
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APPENDIX 6

NEW MEXICO WELL AND SPRING LOCATION SYSTEM



NEW MEXICO MERIDIAN

NEW MEXICO MERIDIAN

NEW MEXICO
BASE LINE

4-4-5-19-143

R5E

Spc 19

| | | | | | |
|----|----|----|----|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 |

| | | | | | |
|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 |