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SUMMARY OF BASIC HYDROLOGIC DATA COLLECTED AT COSO HOT SPRINGS, INYO COUNTY, CALIFORNIA

By W. R. Moyle, Jr.

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CONVERSION FACTORS

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

Multiply English unit	*By*	*To obtain metric unit*
acres	4.047×10^{-3}	square kilometers
ft (feet)	3.048×10^{-1}	meters
gal (gallons)	3.785	liters
gal/min (gallons per minute)	6.308×10^{-2}	liters per second
(gal/min)/ft (gallons per minute per foot)	2.070×10^{-1}	liters per second per meter
in (inches)	2.540×10	millimeters
lbs (pounds)	4.536×10^{-1}	kilograms
lbs/gal (pounds per gallon)	1.198×10^{-1}	kilograms per liter
mi (miles)	1.609	kilometers

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ABSTRACT

More than 200 wells and springs were visited within a 20-mile radius of Coso Hot Springs. Hydrologic and geothermal data were collected for each well or spring site and are tabulated in this report. The data included information such as depth, chemical quality, temperature and specific conductance of water, quantity of flow, well construction, and well logs. These data show that the normal temperature gradient in the ground is about 1.1° Celsius (2° Fahrenheit) per 100 feet. Data also show that the temperature gradient in the thermal areas is as high as 24.4° Celsius (44° Fahrenheit) per 100 feet. The highest temperature measured for all the wells and springs was 142.2° Celsius (288° Fahrenheit).

The chemical quality of water in the study area is generally good except in areas where water evaporates from land surface at Owens Valley playa or where steam escapes into the atmosphere from land surface.

Computerized hydrologic and geothermal data are being stored for future use at the U.S. Geological Survey office, Laguna Niguel, Calif.

INTRODUCTION

Coso Hot Springs is in the southwest corner of Inyo County, Calif. (pl. 1), about 140 mi north of Los Angeles.

The first published data on hot water at Coso Hot Springs described a sample collected by Lieutenant R. Birnie, Jr., in 1875 and analyzed by Oscar Loew (1876). The hot springs, however, were known to Indians, miners, explorers, and settlers before 1875. Most of the attempts to develop the area around Coso Hot Springs have failed. Development has included mining pumice and mercury, bottling Coso volcanic water for medicinal purposes, and using the hot springs as a spa for steam baths. Since 1945 the principal use of the area has been as a test range for the U.S. Naval Weapons Center at China Lake, Calif.

PURPOSE AND SCOPE

The purpose of this study was to collect all basic hydrologic information on wells and springs throughout the Coso Hot Springs area for use by investigators studying the potential of the geothermal resource of the area. The scope of the study included a visit to all known wells and springs near Coso Hot Springs and selected wells and springs as far as 20 mi from the hot springs.

During the visits to the wells and springs, hydrologic data were collected, and previously obtained data were correlated with the proper spring or well. The data collected included measurement of the temperature, specific conductance, amount of flow, well construction, and location. Previously obtained data correlated with each well or spring generally included well logs, chemical analyses, well yield and spring flow, water levels, and temperature measurements.

This report lists the data collected (tables 1-6) and also includes a list of references that contain data on hydrology and other subjects related to the study of geothermal resources in the Coso Hot Springs area.

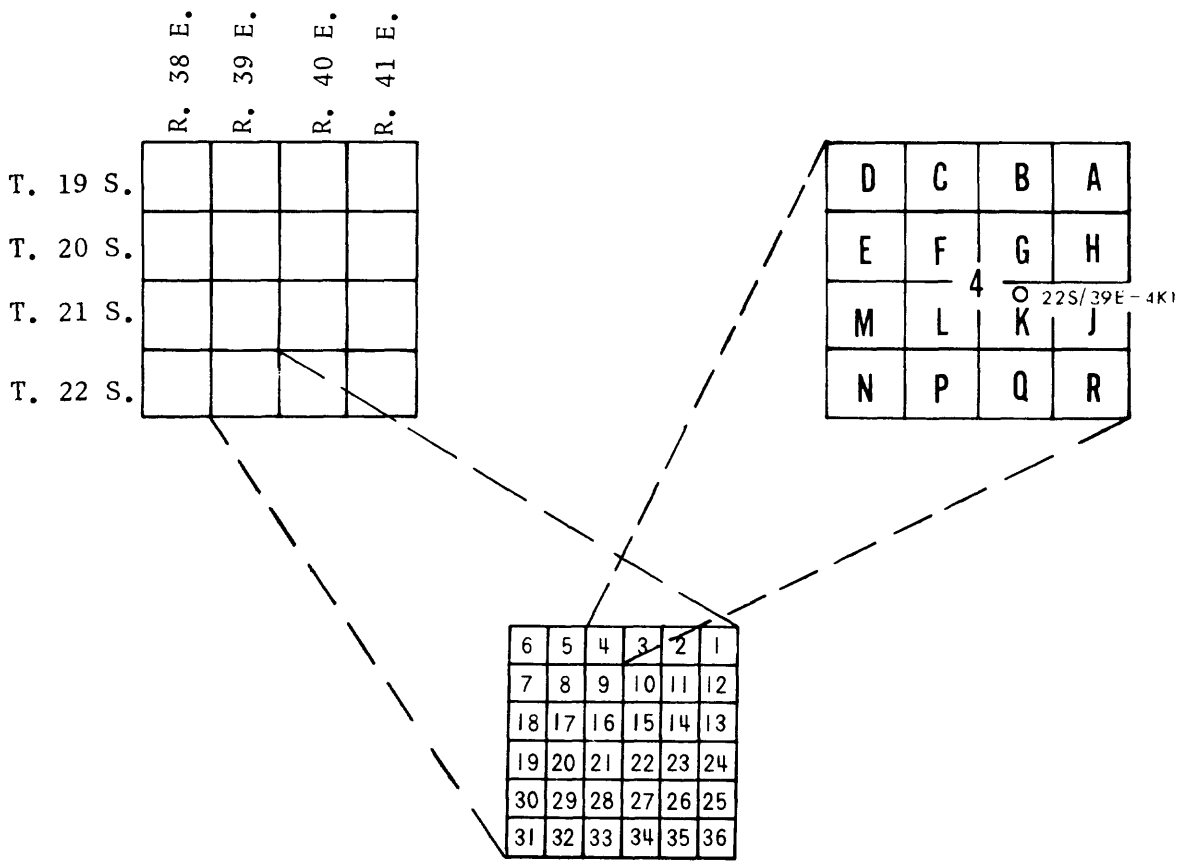
WELL AND SPRING DATA

During the study, more than 200 wells and springs were visited and various types of hydrologic and geothermal data were collected or correlated for each site. The data were coded for computer storage and retrieval. The information is stored at the U.S. Geological Survey office, Laguna Federal Building, 24000 Avila Road, Laguna Niguel, Calif. 92677. The location of each well and spring visited is shown on plate 1.

WELL- AND SPRING-NUMBERING SYSTEM

Wells are numbered according to their location in the rectangular system for the subdivision of public land. That part of the number preceding the slash, as in 22S/39E-4K1, indicates the township (T. 22 S.); the number after the slash indicates the range (R. 39 E.); the number after the dash indicates the section (sec. 4); the letter after the section number indicates the 40-acre subdivision of the section according to the lettered diagram below. The final digit is a serial number for wells in each 40-acre subdivision. The area lies entirely in the southeast quadrant of the Mount Diablo base line and meridian.

Springs are numbered similarly, except that the letter S is placed between the 40-acre subdivision letter and the final digit, as shown in the following spring number: 22S/37E-33HS1.



GEOTHERMAL AREAS

Several areas where hot water, steam, or hot ground is at or near land surface will be discussed individually.

Coso Hot Springs

One of the most obvious areas of geothermal activity is at Coso Hot Springs in sec. 4, T. 22 S., R. 39 E. This area contains more than 40 steam wells, ranging in depth from a few feet to 375 ft, and numerous mud pots, fumaroles, and small hot pools. The temperature at land surface, if not cooled by the air, is generally about 96.5°C (206°F). This is the boiling point of water at the altitude of 3,600 ft. At Coso Hot Springs the temperature in the deepest well (22S/39E-4H8) ranges from 98°C (208°F) as slightly superheated steam at the top of the casing to 142°C (288°F) at the bottom of the well. Figure 1 shows that the temperature in this well increases at a rate of about 24.4°C (44°F) per 100 ft of depth below the regional water table. The water table in this 375-ft deep well is about 120 ft below land surface. This well reportedly penetrates fractured granitic rocks.

On December 14, 1960, an air-cooled condenser and discharge line were installed on well 22S/39E-4K3 by the author. This condenser caused 3 gal/min of water to condense from steam and flow from the discharge line. Not all steam from this well was condensed into water; some was dissipated into the air. To boil 1 gal of water at atmospheric pressure requires 7,750 Btu (British thermal units). Water weighs 8.01 lbs/gal at 96.5°C (boiling temperature at the well site), so 3 gal weighs about 24 lbs. The thermal energy produced by this well was, therefore, about 190,000 Btu per minute or 3,200 Btu per second. One horsepower equals 0.707 Btu per second; therefore, the minimum total heat energy produced from this well was about 2,300 horsepower. If 10 percent of this heat energy could be converted into electrical power (a reasonable assumption), it would equal about 170 kilowatts.

Devils Kitchen and Nicol Area

The Devils Kitchen is in secs. 7 and 8, T. 22 S., R. 39 E., and the Nicol area is in secs. 5 and 8, T. 22 S., R. 39 E. Numerous shallow test holes were drilled for the exploration of mercury in the spring of 1941 in these two areas. The highest measured temperature reported in these test holes was 110°C (230°F) in 1941. Only a few of these steaming test holes were still in existence in 1976.

Wheeler Prospect

The Wheeler Prospect, in sec. 16, T. 22 S., R. 39 E., was originally mined for mercury prior to 1945. The temperature of the ground at this site is normally slightly above 93.3°C (200°F), depending on the ambient air temperature. The ground emits some steam indicating that the temperature is near boiling (96.5°C or 206°F) within a few feet of land surface.

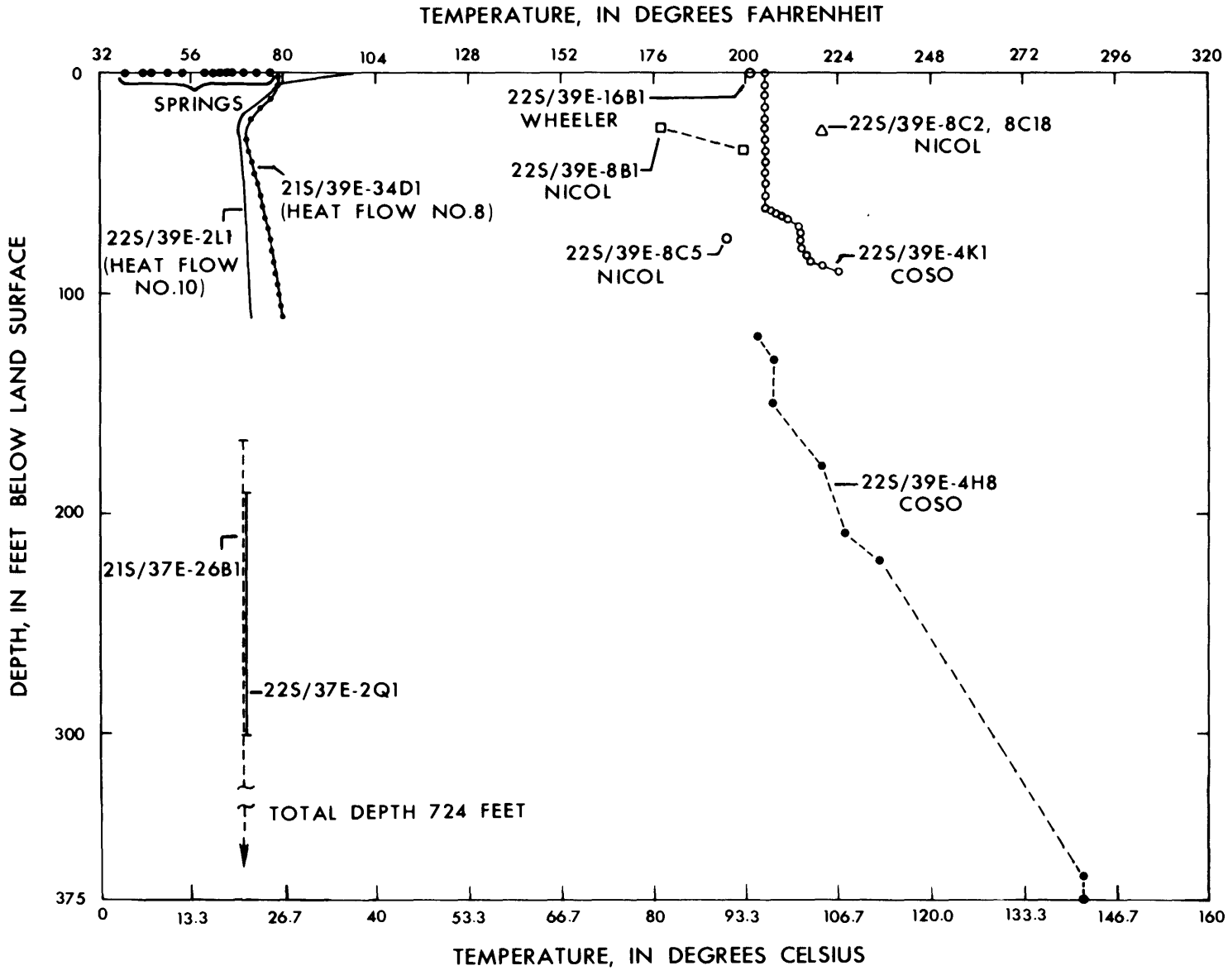


FIGURE 1.--Temperature measurements in wells and springs.

Sugarloaf Mountain

Two areas adjacent to Sugarloaf Mountain contain hot ground. One area is west of Sugarloaf Mountain near the common ¼ corner between secs. 11 and 12, T. 22 S., R. 38 E., and the second area is northeast of Sugarloaf Mountain near the common ¼ corner between secs. 6 and 7, T. 22 S., R. 38 E. West of Sugarloaf Mountain are four wells; two emit steam and two do not. The area northeast of Sugarloaf Mountain is at the bottom of an explosion crater. The temperature 1 ft below ground surface in this crater measured 49°C (120°F) while the air temperature was only 16.5°C (62°F).

North of Coso Hot Springs

Just north of Coso Hot Springs is heat flow well number 8 (U.S. Geological Survey No. 21S/39E-34D1). Numbers were applied to all heat flow wells by Jim Combs, University of Texas at Dallas. Combs' data are published in the U.S. Energy Research and Development Administration (1975) report listed in the references. The temperature gradient in this well is about 6.7°C (12°F) per 100 ft (fig. 1). This gradient is between the high temperature gradient at Coso Hot Springs and the normal temperature gradient outside the geothermal area. This well was not measured to its full depth by the author because the line on the thermistor probe was only 110 ft long. The total depth of the well when drilled was reported as 118 ft.

NON-GEOTHERMAL AREAS

Heatflow well number 10 (22S/39E-2L1) about 2 mi east of Coso Hot Springs has a temperature gradient of 1.1°C (2°F) per 100 ft of depth (fig. 1). This seems to be the normal geothermal gradient in most areas surrounding Coso Hot Springs.

Temperature of water pumped from wells indicates the average formation temperature because the discharge of most wells is sufficiently large to prevent cooling (or heating) of the water by the air at the land surface. In Rose Valley most of the water pumped from wells indicates the average temperature is about 21°C (70°F) between the water table and a depth of 724 ft.

WATER QUALITY

The specific-conductance measurements and the chemical analyses of water from many of the wells and springs surrounding Coso Hot Springs indicate that the water is of good chemical quality except in a few wells. In general, poor quality is directly related to the evaporation of water from land surface in the discharging playa in Owens Valley or from the evaporation of steam at land surface in the geothermal areas. The trilinear water-analysis diagram (fig. 2) compares the dissolved-solids concentration in water from individual wells by the variation in size of the circles representing the wells. The larger the circle, the higher the dissolved-solids concentration.

The geothermal areas at Coso Hot Springs, Devils Kitchen, and Nicol indicate that the shallow water at land surface has a very low (acidic) pH, generally ranging from 1.5 to 4.5. This low pH is generally caused by the exposure of hydrogen sulfide (H_2S) in the steam to the air, which supports oxidation and produces sulfuric acid (H_2SO_4). This process is described by Barnes (1972, p. 571).

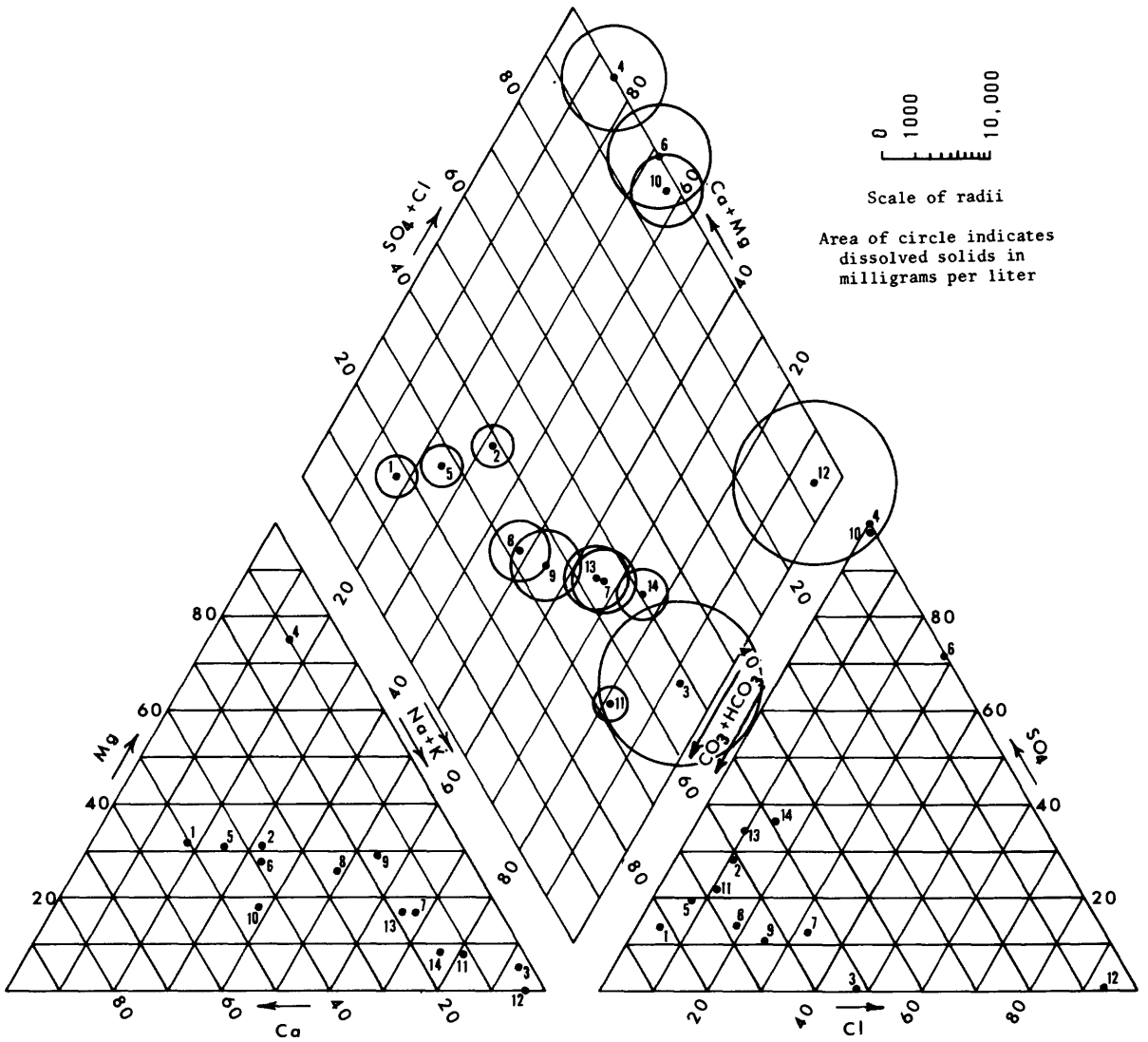
Because of the low pH of the shallow water, the water is commonly high in aluminum (Al^{+++}), magnesium (Mg^{++}), and hydrogen ions (H^+), and in silica (SiO_2). These constituents are seldom found in large quantities except in geothermal water having a pH less than 4.5. Because these constituents are not normally used in trilinear water-analysis diagrams, the percentage reacting values shown in figure 2 do not include them.

Medium-depth wells, 50-100 ft, have a neutral pH (7) and a low concentration of dissolved solids that may be caused by lateral inflow of fresh water at Coso Hot Springs.

The deep well (375 ft) at Coso Hot Springs has water that is basic (pH greater than 7). Water from this well is high in dissolved solids and in arsenic (As). An analysis of water shows 7.5 mg/L (milligrams per liter) of arsenic, which is above the 0.1 mg/L maximum recommended for drinking water by the U.S. Environmental Protection Agency (1972).

SURFACE-WATER BASIN BOUNDARIES

The surface-water basin boundaries on plate 1 show the four general subdivisions of the area. These subdivisions are based on water that flows to the Pacific Ocean, to Panamint Valley, to Searles Valley, and to 15 small areas that have internal drainage.



No. in figure	State well or spring No.	Date	Dissolved solids	Area
1	22S/37E-3NS1	7-15-55	310	Rose Valley
2	21S/39E-10PS1	12-14-60	317	Coso Valley
3	18S/37E-34A1	11-17-54	5,530	Owens Valley
4	22S/39E-7HS1	12-14-60	2,256	Devils Kitchen
5	22S/37E-2R2	10-26-61	380	Rose Valley
6	22S/39E-4K5	5-23-61	2,060	Coso Valley
7	23S/38E-5N1	5-11-60	894	Rose Valley
8	23S/38E-8D1	5-15-55	700	Rose Valley
9	23S/38E-17D1	10-22-59	1,307	Rose Valley
10	22S/39E-4K2	12-14-60	1,027	Coso Valley
11	22S/39E-4P1	5-07-62	293	Coso Valley
12	22S/39E-4H8	8-07-67	5,744	Coso Valley
13	21S/37E-2K1	1975	Σ = 878	Rose Valley
14	21S/37E-11C1	7-17-68	546	Rose Valley

Σ = Sum of constituents instead of dissolved solids on evaporation.

FIGURE 2.--Trilinear water-analysis diagram.

The surface-water basin boundary along the west edge of the study area corresponds to the Inyo-Tulare County line and separates surface water that flows toward the Pacific Ocean from that which flows through the Lahontan drainage province.

The basin boundary in the eastern part of plate 1 separates surface water that flows eastward into Panamint Valley from that which flows into Searles Valley.

The 15 small isolated surface-water basins near the center of plate 1 seem to be closely associated with the formation of the rhyolite domes. These domes were described by Duffield and Bacon (1976); two are labeled Sugarloaf Mountain and Cactus Peak on plate 1. These small basins surround the rhyolite domes and may have been formed by subsidence because of the extrusion of the domes. These basins all have internal drainage with a small playa at the lowest altitude. All precipitation within each basin flows toward the individual playa. As water flows toward the playa, some may enter the ground, but if it reaches the playa the water evaporates from the playa surface.

SUMMARY AND CONCLUSIONS

Temperature measurements made in the study area range from near freezing (4°C or 39°F) in a mountain spring to above boiling (142°C or 288°F) at the bottom of the deepest well. The temperature gradients below land surface range from 1.1°C (2°F) per 100 ft in nonthermal areas to 24.4°C (44°F) per 100 ft in thermal areas. Only six areas were found to have water or ground temperatures greatly above the local average air temperature: Coso Hot Springs, Devils Kitchen, Nicol area, Wheeler Prospect, and areas on the west and northeast sides of Sugarloaf Mountain.

The water quality is considered good throughout the study area except where water is evaporated from discharging playa surfaces or from steaming ground.

All temperatures measured in springs surrounding Coso Hot Springs and Devils Kitchen indicate that the springs are nonthermal and are strongly influenced by the ambient air temperature. One spring measured twice showed a variation of 21°C (38°F) between summer and winter.

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EXPLANATION OF WELL-RECORD TABLE

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

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

Owner or name: The apparent owner or user. In some cases, the local name of the well is given.

Inventory date: The year the well was field canvassed; other information given generally applies for this date.

Method drilled:

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

Depth of well: Depth, in feet below land-surface datum, is defined as the bottom of the perforated or screened interval or the bottom of the uncased part of the well.

Depth cased: Length of casing, in feet below land-surface datum, or to the top of the perforated or screened interval.

Well finish:

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

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

Power:

- 1 Hand
- 2 Natural gas engine
  - A 0-20 hp
  - B >20-50
  - C >50-100
  - D >100-200
  - E >200
- 3 Gasoline engine
  - F 0-5 hp
  - G >5-20
  - H >20-50
  - J >50-100
  - K >100-200
  - L >200
- 4 Diesel engine
  - M 0-50 hp
  - N >50-150
  - P >150-400
  - Q >400-750
  - R >750
- 5 Electric motor
  - S 0-1 hp
  - T >1-5
  - U >5-15
  - V >15-100
  - W >100
- 6 Wind
- 7 LP gas engine (propane or butane)
  - A 0-20 hp
  - B >20-50
  - C >50-100
  - D >100-200
  - E >200
- 8 Other.

Lift method:

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

Water use:

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

Well use:

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

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

Number of water level: 0 Indicates one measurement; I indicates more than one measurement.

Chemical analyses:

- C Indicates one analysis in which the major chemical constituents were determined in order to permit an anion-cation equation balance
- M Indicates more than one analysis
- P Indicates one analysis in which a few selected constituents and properties were determined.

Pumping data:

- P Indicates pumping data available.

Log data: Restricted information. Availability to public dependent upon requester securing owner's permission.

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

TABLE 1.--*Description of wells*

STATE NUMBER	OWNER OR NAME	INVENTORY DATE	DRILLED YEAR	DRILLED METHOD	DRILLED DEPTH (FT)	DEPTH WELL (FT)	CASED DEPTH	FINISH WELL	DIAM. (IN)	POWER	LIFT METHOD	WATER USE	WELL USE	ALTITUDE OF LSD (FT)	NUMBER	W.L.	CHEMICAL ANALYSES	PUMPING DATA	LOG	DATA
18S/37E-34A01 M	INYO COUNTY	1976	1917							8	Z	R	W	3590	0	M	P			
19S/37E-33N01 M		1975							6		N	U	U	3740	0					
19S/39E-27K01 M		1975		D				W	60		N	U	U	5960	0	P				
19S/40E-34D01 M	LONGS WELL	1975		D				W	48		N	U	U	5150	0	P				
20S/37E-03D01 M	L.A.DWP	1975							10		N	U	D	3749	0	P				D
20S/37E-03D02 M	L.A.DWP	1975							10		N	U	O	3742	0	P				D
20S/37E-03D03 M	L.A.DWP	1975	1970						6		N	U	O	3741	0	P				
20S/37E-03D04 M	L.A.DWP	1975	1970						6		N	U	D	3740	0	P				
20S/37E-03D05 M	L.A.DWP	1975	1970						6		N	U	O	3768	0					
20S/37E-04A01 M	L.A.DWP	1975	1943	C	203	111	P		16	V	T	H	W	3790	I	P	P			D
20S/37E-04A02 M	L.A.DWP	1975							9		N	U	O	3751	0	P				D
20S/37E-09H01 M		1976	1974	H	203	83	F		12		N	U	U	3860	0					D
20S/37E-13D01 M		1975											Z	4170						
20S/37E-16M01 M		1975							5		N	U	U	4010	0					
20S/37E-62N01 M	ROCKY MT.ENERGY	1975	1972										Z	4490						E
20S/38E-19E01 M	ROCKY MT.ENERGY	1975											Z	4520						
20S/38E-19N01 M	ROCKY MT.ENERGY	1975	1975										Z	4565						
20S/39E-36P01 M	U.S.NAVY	1975		D				W	48		N	S	W	6520	0	P				
20S/40E-10P01 M	U.S.NAVY	1975		D				W	48	8	Z	S	W	5240	0	P	P			
20S/40E-14B01 M	U.S.NAVY	1975		D				W	37	8	Z	S	W	4960	0					
20S/40E-14B02 M	U.S.NAVY	1975		D				W	20		N	S	W	4960	0					
20S/40E-22K01 M	U.S.NAVY	1975		D				W	72	8	Z	P	W	5320	0	P				
20S/40E-32M01 M	U.S.NAVY	1975		D				W	30	8	Z	S	W	6260	I	P	P			
21S/37E-02K01 M	L.A.DWP	1975	1974	C	101	29	G		12	5	S	Z	W	3700	I	P	P			D
21S/37E-06H01 M	NATIONAL FOREST	1975	1955	D				W	44	8	Z	H	W	4920	0	P				
21S/37E-11C01 M	L.A.DWP	1975	1925	C	170	30	P		16		N	U	U	3633	I	P	P			D
21S/37E-23B01 M		1975		D			X		72		N	U	U	3540	0					
21S/37E-24F01 M		1975											Z	3620						
21S/37E-26B01 M	FIRSICK-RIZZO	1975	1971	H	724	120	F		16	W	T	I	W	3440		P	P			D
21S/37E-26K01 M	FIRSICK-RIZZO	1975	1974						16		N	U	U	3430	0					
21S/37E-36G01 M		1975											Z	3395	0					
21S/37E-36N01 M		1975							4		N	U	U	3382	0					
21S/37E-36N02 M		1975							4		N	U	U	3382	0					
21S/37E-36N03 M		1975							4		N	U	U	3382	0					
21S/37E-36Q01 M		1975							6		N	U	U	3380	0					
21S/37E-36Q02 M		1975							6		N	U	U	3380	0					
21S/37E-36Q03 M		1975							6		N	U	U	3380	0					
21S/39E-01H01 M	U.S.NAVY	1975		D				W	48		N	U	U	6590	0					
21S/39E-18N01 M	U.S.NAVY	1975							2		N	U	H	4930						
21S/39E-32C01 M	U.S.NAVY	1975							2		N	U	H	5080						
21S/39E-34D01 M	U.S.NAVY	1975							2		N	U	H	3850						
21S/40E-07A01 M	U.S.NAVY	1975		D				W	54		N	U	U	6220	0					
21S/41E-25N01 M	U.S.NAVY	1975	1954	H									Z	5725	I					
22S/37E-02Q01 M	M.GILL	1975	1971	H					8	T	S	H	W	3405	I	P				
22S/37E-02R01 M	CAL.DIV.OF HWY	1975	1946										Z	3380	I	C				D
22S/37E-02R02 M	CAL.DIV.OF HWY	1975	1956	H	370	170	F		8	U	S	H	W	3380	I	M	P			D
22S/37E-36B01 M		1972		D			W						Z	3400						
22S/38E-02F01 M	U.S.NAVY	1975							2		N	U	H	4280						
22S/38E-11J01 M	U.S.NAVY	1976									N	U	U	4300	0					
22S/38E-11J02 M	U.S.NAVY	1976						W	11		N	U	U	4300	0					
22S/38E-11J03 M	U.S.NAVY	1976						W	11		N	U	U	4300	0					
22S/38E-12M01 M	U.S.NAVY	1976		D				W	6		N	U	U	4280	0					
22S/38E-14P01 M	U.S.NAVY	1975							2		N	U	H	3600						
22S/38E-18C01 M		1975		C				W	12		N	U	U	3360	0					
22S/39E-02L01 M	U.S.NAVY	1975							2		N	U	H	3620						
22S/39E-04A01 M	U.S.NAVY	1975							2		N	U	U	3640	I					
22S/39E-04A02 M	U.S.NAVY	1975							12		N	U	U	3625	I					
22S/39E-04A03 M	U.S.NAVY	1975						W	10		N	U	U	3625	I					
22S/39E-04A04 M	U.S.NAVY	1975		D				W	28		N	U	U	3625	I					
22S/39E-04A05 M	U.S.NAVY	1975		D				W	28		N	U	U	3625	I					
22S/39E-04A07 M	U.S.NAVY	1975							3		N	U	U	3640	0					
22S/39E-04A08 M	U.S.NAVY	1975							3		N	U	U	3640						
22S/39E-04A09 M	U.S.NAVY	1975							3		N	U	U	3640						
22S/39E-04A10 M	U.S.NAVY	1975							2		N	U	U	3640	0					
22S/39E-04A11 M	U.S.NAVY	1975							3		N	U	U	3640						
22S/39E-04A12 M	U.S.NAVY	1975							3		N	U	U	3640	0					
22S/39E-04A13 M	U.S.NAVY	1975							3		N	U	U	3625	0					
22S/39E-04A14 M	U.S.NAVY	1975							3		N	U	U	3625	0					
22S/39E-04A15 M	U.S.NAVY	1975							12		N	U	U	3625	0					
22S/39E-04A16 M	U.S.NAVY	1975							10		N	U	U	3625	0					

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

STATE NUMBER	OWNER OR NAME	INVENTORY DATE	DRILLED	METHOD DRILLED	DEPTH (FT)	DEPTH CASED (FT)	WELL FINISH	DIAM. (IN)	POWER	LIFT METHOD	WATER USE	WELL USE	ALTITUDE OF LSD (FT)	NUMBER OF WELLS	CHEMICAL ANALYSES	PUMPING DATA	LOG	DATA
22S/39E-04A17 M	U.S.NAVY	1975						3		N	U	U	3625	0				
22S/39E-04H01 M	U.S.NAVY	1975						3		N	U	H	3615	I				
22S/39E-04H02 M	U.S.NAVY	1975						3		N	U	H	3615	I				
22S/39E-04H03 M	U.S.NAVY	1975						3		N	U	H	3615	I				
22S/39E-04H04 M	U.S.NAVY	1975									U	U	3615	I				
22S/39E-04H05 M	U.S.NAVY	1975										Z	3610	0				
22S/39E-04H06 M	U.S.NAVY	1975										Z	3610	0				
22S/39E-04H07 M	U.S.NAVY	1975						3		N	U	H	3600	I				
22S/39E-04H08 M	U.S.NAVY	1975	1967		375	320	0	4	4	P	U	T	3615	I	C	P		
22S/39E-04J01 M	U.S.NAVY	1975						3		N	U	U	3600	I				
22S/39E-04K01 M	U.S.NAVY	1975						6		N	U	U	3660	I	P			
22S/39E-04K02 M	U.S.NAVY	1975		D			W	60		N	U	U	3610	I	M			
22S/39E-04K03 M	U.S.NAVY	1975										Z	3610	I	M			
22S/39E-04K04 M	U.S.NAVY	1975		D				36		N	U	U	3608	I	M			
22S/39E-04K05 M	U.S.NAVY	1975		D						N	U	U	3625		M			
22S/39E-04K06 M	U.S.NAVY	1975		B				20		N	U	U	3610	0				
22S/39E-04K07 M	U.S.NAVY	1975						2		N	U	U	3610	0				
22S/39E-04P01 M	U.S.NAVY	1975						6		N	U	U	3662	I	C			
22S/39E-04P02 M	U.S.NAVY	1975						2		N	U	U	3681	I				
22S/39E-04P03 M	U.S.NAVY	1975		B				36		N	U	U	3681	0				
22S/39E-06B01 M	U.S.NAVY	1975						2		N	U	H	4355	0				
22S/39E-07H02 M	U.S.NAVY	1975	1974	B			W	30		N	U	H	4145	0				
22S/39E-07H03 M	U.S.NAVY	1975	1941	B	26	0	X					Z	4145					D
22S/39E-07H04 M	U.S.NAVY	1975	1941	B	36	0	X					Z	4167					D
22S/39E-07H05 M	U.S.NAVY	1975	1941	B	14	0	X					Z	4172					D
22S/39E-07H06 M	U.S.NAVY	1975	1941	B	24	0	X					Z	4201					D
22S/39E-07H07 M	U.S.NAVY	1975	1941	B	37	0	X					Z	4193					D
22S/39E-07H08 M	U.S.NAVY	1975	1941	B	37	0	X					Z	4183					D
22S/39E-07H09 M	U.S.NAVY	1975	1941	B	34	0	X					Z	4193					D
22S/39E-07H10 M	U.S.NAVY	1975	1941	B	26	0	X					Z	4112					D
22S/39E-07H11 M	U.S.NAVY	1975	1941	B	40	0	X					Z	4155					D
22S/39E-07H12 M	U.S.NAVY	1975	1941	B	30	0	X					Z	4155					D
22S/39E-07H13 M	U.S.NAVY	1975	1941	B	12	0	X					Z	4118					D
22S/39E-07H14 M	U.S.NAVY	1975	1941	B	28	0	X					Z	4160					D
22S/39E-07H15 M	U.S.NAVY	1975	1941	B	45	0	X					Z	4166					D
22S/39E-07H16 M	U.S.NAVY	1975	1941	B	10	0	X					Z	4129					D
22S/39E-07H17 M	U.S.NAVY	1975	1941	B	38	0	X					Z	4179					D
22S/39E-07H18 M	U.S.NAVY	1975	1941	B	18	0	X					Z	4174					D
22S/39E-07H19 M	U.S.NAVY	1975	1941	B	20	0	X					Z	4165					D
22S/39E-07H20 M	U.S.NAVY	1975	1941	B	24	0	X					Z	4163					D
22S/39E-07H21 M	U.S.NAVY	1975	1941	B	19	0	X					Z	4145					D
22S/39E-07H22 M	U.S.NAVY	1976	1941	B	38	0	X					Z	4275					D
22S/39E-07H23 M	U.S.NAVY	1976	1941	B	12	0	X					Z	4194					D
22S/39E-07H24 M	U.S.NAVY	1976	1941	B	42	0	X					Z	4203					D
22S/39E-07H25 M	U.S.NAVY	1976	1941	B	29	0	X					Z	4203					D
22S/39E-07H26 M	U.S.NAVY	1976	1941	B	38	0	X					Z	4206					D
22S/39E-07H27 M	U.S.NAVY	1976	1941	B	37	0	X					Z	4215					D
22S/39E-07H28 M	U.S.NAVY	1976	1941	B	33	0	X					Z	4217					D
22S/39E-07H29 M	U.S.NAVY	1976	1941	B	25	0	X					Z	4202					D
22S/39E-07H30 M	U.S.NAVY	1975	1941	B	40	0	X					Z	4153					D
22S/39E-07H31 M	U.S.NAVY	1975	1941	B	20	0	X					Z	4149					D
22S/39E-07H32 M	U.S.NAVY	1975	1941	B	12	0	X					Z	4161					D
22S/39E-07H33 M	U.S.NAVY	1976	1941	B	19	0	X					Z	4200					D
22S/39E-07H34 M	U.S.NAVY	1976	1941	B	37	0	X					Z	4231					D
22S/39E-07H35 M	U.S.NAVY	1976	1941	B	14	0	X					Z	4209					D
22S/39E-07H36 M	U.S.NAVY	1976	1941	B	26	0	X					Z	4244					D
22S/39E-07H37 M	U.S.NAVY	1976	1941	B	22	0	X					Z	4140					D
22S/39E-07H38 M	U.S.NAVY	1976	1941	B	13	0	X					Z	4239					D
22S/39E-07H39 M	U.S.NAVY	1976	1941	B	20	0	X					Z	4203					D
22S/39E-07H40 M	U.S.NAVY	1976	1941	B	32	0	X					Z	4202					D
22S/39E-07H41 M	U.S.NAVY	1976	1941	B	13	0	X					Z	4208					D
22S/39E-07H42 M	U.S.NAVY	1976	1941	B	36	0	X					Z	4257					D
22S/39E-07H43 M	U.S.NAVY	1976	1941	B	28	0	X					Z	4270					D
22S/39E-07H44 M	U.S.NAVY	1976	1941	B	25	0	X					Z	4263					D
22S/39E-07H45 M	U.S.NAVY	1976	1941	B	32	0	X					Z	4270					D
22S/39E-07H46 M	U.S.NAVY	1976	1941	B	16	0	X					Z	4201					D
22S/39E-07H47 M	U.S.NAVY	1976	1941	B	30	0	X					Z	4290					D
22S/39E-07H48 M	U.S.NAVY	1976	1941	B	15	0	X					Z	4316					D
22S/39E-07H49 M	U.S.NAVY	1976	1941	B	22	0	X					Z	4297					D
22S/39E-07H50 M	U.S.NAVY	1976	1941	B	20	0	X					Z	4351					D

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

STATE NUMBER	OWNER OR NAME	INVENTORY DATE	YEAR DRILLED	METHOD DRILLED	DEPTH WELL (FT)	DEPTH CASED (FT)	WELL FINISH	DIAM. (IN)	POWER	LIFT METHOD	WATER TEST	USE WELL	ALTITUDE OF LSD (FT)	NUMBER WELL.	CHEMICAL ANALYSES	PUMPING DATA	LOG	DATA
22S/39E-07H51 M	U.S.NAVY	1976	1941	B	29	0	X					Z	4315					D
22S/39E-07H52 M	U.S.NAVY	1976	1941	B	20	0	X					Z	4279					D
22S/39E-07H53 M	U.S.NAVY	1976	1941	B	12	0	X					Z	4283					D
22S/39E-07H54 M	U.S.NAVY	1976	1941	B	40	0	X					Z	4189					D
22S/39E-07J01 M	U.S.NAVY	1975	1941	B	42	0	X					Z	4397					D
22S/39E-07J02 M	U.S.NAVY	1975	1941	B	13	0	X					Z	4360					D
22S/39E-07J03 M	U.S.NAVY	1975	1941	B	28	0	X					Z	4347					D
22S/39E-07J04 M	U.S.NAVY	1975	1941	B	18	0	X					Z	4341					D
22S/39E-07J05 M	U.S.NAVY	1975	1941	B	28	0	X					Z	4385					D
22S/39E-07J06 M	U.S.NAVY	1975	1941	B	37	0	X					Z	4342					D
22S/39E-07J07 M	U.S.NAVY	1975	1941	B	25	0	X					Z	4335					D
22S/39E-07J08 M	U.S.NAVY	1975	1941	B	44	0	X					Z	4336					D
22S/39E-07J09 M	U.S.NAVY	1975	1941	B	20	0	X					Z	4340					D
22S/39E-07J10 M	U.S.NAVY	1975	1941	B	22	0	X					Z	4337					D
22S/39E-08B01 M	U.S.NAVY	1975	1941	B	48	0	X					Z	3945					D
22S/39E-08B02 M	U.S.NAVY	1975	1941	B	46	0	X					Z	3943					D
22S/39E-08B03 M	U.S.NAVY	1976	1941	B	14	0	X					Z	3991					D
22S/39E-08B04 M	U.S.NAVY	1976	1941	B	24	0	X					Z	3952					D
22S/39E-08B05 M	U.S.NAVY	1976	1941	B	12	0	X					Z	3994					D
22S/39E-08B06 M	U.S.NAVY	1976	1941	B	17	0	X					Z	3973					D
22S/39E-08B07 M	U.S.NAVY	1976	1941	B	18	0	X					Z	3961					D
22S/39E-08B08 M	U.S.NAVY	1976	1941	B	43	0	X					Z	3979					D
22S/39E-08C01 M	U.S.NAVY	1976	1941	B	36	0	X					Z	3963	0				D
22S/39E-08C02 M	U.S.NAVY	1975	1941	B	71	0	X					Z	3958	I				D
22S/39E-08C03 M	U.S.NAVY	1975	1941	B	45	0	X					Z	3969					D
22S/39E-08C04 M	U.S.NAVY	1976	1941	B	68	0	X					Z	3996					D
22S/39E-08C05 M	U.S.NAVY	1976	1941	B	80	0	X					Z	3997					D
22S/39E-08C06 M	U.S.NAVY	1975	1941	B	32	0	X					Z	3965					D
22S/39E-08C07 M	U.S.NAVY	1975	1941	B	26	0	X					Z	3965					D
22S/39E-08C08 M	U.S.NAVY	1975	1941	B	26	0	X					Z	3975					D
22S/39E-08C09 M	U.S.NAVY	1975	1941	B	26	0	X					Z	3965					D
22S/39E-08C10 M	U.S.NAVY	1975	1941	B	36	0	X					Z	3970					D
22S/39E-08C11 M	U.S.NAVY	1975	1941	B	44	0	X					Z	3978					D
22S/39E-08C12 M	U.S.NAVY	1975	1941	B	38	0	X				U	U	3979	0				D
22S/39E-08C13 M	U.S.NAVY	1975	1941	B	56	0	X	26		N	U	U	3981	0				D
22S/39E-08C14 M	U.S.NAVY	1976	1941	B	68	0	X	26		N	U	U	3992	0				D
22S/39E-08C15 M	U.S.NAVY	1976	1941	B	68	0	X	26			U	U	3974	I				D
22S/39E-08C16 M	U.S.NAVY	1975	1941	B	15	0	X					Z	3967					D
22S/39E-08C17 M	U.S.NAVY	1975	1941	B	66	0	X					Z	3968	0				D
22S/39E-08C18 M	U.S.NAVY	1975	1941	B	28	0	X	26		N	U	U	3958	D				D
22S/39E-08C19 M	U.S.NAVY	1975	1939				W	10		N	U	U	3951	0				
22S/39E-08C20 M	U.S.NAVY	1975	1940	D			W	84		N	U	U	3985	D				
22S/39E-08C21 M	U.S.NAVY	1975	1941	B	34	0	X	26		N	U	U	3970	I				D
22S/39E-08C22 M	U.S.NAVY	1976	1941	B	43	0	X					Z	3979					D
22S/39E-08C23 M	U.S.NAVY	1975	1941	B	52	0	X					Z	3967	0				D
22S/39E-08C24 M	U.S.NAVY	1976	1941	B	34	0	X					Z	3984					D
22S/39E-08C25 M	U.S.NAVY	1976	1941	B	40	0	X					Z	3992					D
22S/39E-08C26 M	U.S.NAVY	1976	1941	B	9	0	X					Z	4000					D
22S/39E-08C27 M	U.S.NAVY	1976	1941	B	15	0	X	36		N	U	U	4032	0				D
22S/39E-08C28 M	U.S.NAVY	1976	1941	B	28	0	X					Z	3973					D
22S/39E-08C29 M	U.S.NAVY	1976	1941	B	35	0	X					Z	3976					D
22S/39E-08C30 M	U.S.NAVY	1976	1941	B	53	0	X					Z	3982					D
22S/39E-08C31 M	U.S.NAVY	1976	1941	B	36	0	X					Z	3974					D
22S/39E-08C32 M	U.S.NAVY	1976	1941	B	45	0	X					Z	3980					D
22S/39E-08C33 M	U.S.NAVY	1976	1941	B	40	0	X					Z	3975					D
22S/39E-08C34 M	U.S.NAVY	1976	1941	B	38	0	X					Z	3981					D
22S/39E-08C35 M	U.S.NAVY	1976	1941	B	60	0	X					Z	3988					D
22S/39E-08C36 M	U.S.NAVY	1976	1941	B	24	0	X					Z	4001					D
22S/39E-08C37 M	U.S.NAVY	1976	1941	B	29	0	X					Z	3984					D
22S/39E-08C38 M	U.S.NAVY	1976	1941	B	32	0	X					Z	4004					D
22S/39E-08C39 M	U.S.NAVY	1976	1941	B	58	0	X					Z	3986					D
22S/39E-08C40 M	U.S.NAVY	1976	1941	B	38	0	X					Z	3990					D
22S/39E-08E01 M	U.S.NAVY	1975	1941	B	39	0	X					Z	4221					D
22S/39E-08E02 M	U.S.NAVY	1975	1941	B	28	0	X					Z	4286					D
22S/39E-08E03 M	U.S.NAVY	1975	1941	B	22	0	X					Z	4302					D
22S/39E-08E04 M	U.S.NAVY	1975	1941	B	18	0	X					Z	4285					D
22S/39E-08E05 M	U.S.NAVY	1975	1941	B	20	0	X					Z	4291					D
22S/39E-08E06 M	U.S.NAVY	1975	1941	B	40	0	X					Z	4322					D
22S/39E-08E07 M	U.S.NAVY	1975	1941	B	22	0	X					Z	4305					D
22S/39E-08E08 M	U.S.NAVY	1975	1941	B	14	0	X					Z	4301					D

STATE NUMBER	OWNER OR NAME	INVENTORY DATE	YEAR DRILLED	METHOD DRILLED	DEPTH WELL (FT)	DEPTH CASED (FT)	WELL FINISH	DIAM. (IN)	POWER	METHOD LIFT	WATER USE	WELL USE	ALTITUDE OF LSD (FT)	NUMBER WELL.	CHEMICAL ANALYSES	PUMPING DATA	LOG DATA
22S/39E-08E09 M	U.S.NAVY	1975	1941	B	23	0	X					Z	4323				D
22S/39E-08M01 M	U.S.NAVY	1975	1941	B	13	0	X					Z	4318				D
22S/39E-08M02 M	U.S.NAVY	1975	1941	B	46	0	X					Z	4345				D
22S/39E-10B01 M	U.S.NAVY	1975						6		N	U	H	3560	O			
22S/39E-16G01 M	U.S.NAVY	1975	1975	B	4	0	X	6		N	U	U	3650	O			
22S/39E-16G02 M	U.S.NAVY	1975	1941	B	8	0	X					Z	3651				D
22S/39E-16G03 M	U.S.NAVY	1975	1941	B	7	0	X					Z	3647				D
22S/39E-16G04 M	U.S.NAVY	1975	1941	B	16	0	X					Z	3646				D
22S/39E-16G05 M	U.S.NAVY	1975	1941	B	10	0	X					Z	3651				D
22S/39E-16G06 M	U.S.NAVY	1975	1941	B	8	0	X					Z	3640				D
22S/39E-16G07 M	U.S.NAVY	1975	1941	B	8	0	X					Z	3649				D
22S/39E-16G08 M	U.S.NAVY	1975	1941	B	8	0	X					Z	3640				D
22S/39E-16G09 M	U.S.NAVY	1975	1941	B	10	0	X					Z	3645				D
22S/39E-16G10 M	U.S.NAVY	1975	1941	B	6	0	X					Z	3640				D
22S/39E-16G11 M	U.S.NAVY	1975	1941	B	4	0	X					Z	3642				D
22S/39E-16G12 M	U.S.NAVY	1975	1941	B	14	0	X					Z	3655				D
22S/39E-16G13 M	U.S.NAVY	1975	1941	B	12	0	X					Z	3646				D
22S/39E-16G14 M	U.S.NAVY	1975	1941	B	2	0	X					Z	3639				D
22S/39E-16G15 M	U.S.NAVY	1975	1941	B	8	0	X					Z	3635				D
22S/39E-16G16 M	U.S.NAVY	1975	1941	B	6	0	X					Z	3652				D
22S/39E-16G17 M	U.S.NAVY	1975	1941	B	5	0	X					Z	3650				D
22S/39E-17Q01 M	U.S.NAVY	1975						2		N	U	H	3880				
22S/39E-20E01 M	U.S.NAVY	1975						2		N	U	H	4140				
23S/38E-05N01 M	T.GREY	1972	1948	C				14	T	S	H	W	3190	I	C		
23S/38E-08D01 M	T.GREY	1972	1958					8	5	C	R	W	3175	I	M	P	
23S/38E-08D02 M	T.GREY	1975	1974	H	150	0	F	8	5	S	S	W	3180	O	P	P	D
23S/38E-17D01 M	L.L.HOTEL	1975	1946	D				42	8	Z	H	W	3190	I	M		
23S/38E-17D02 M	DUCK CLUB	1975	1973					12	8	Z	S	W	3195	O		P	

TABLE 2.--*Description of springs*

Discharge: F Flowing.

Water use: H Domestic; P Public supply; S Stock supply; U Unused; Z Other (Wildlife, etc.)

Altitude of lsd: Altitude of land-surface datum, in feet, above mean sea level. Land-surface datum is an arbitrary plane closely approximating land surface.

Method measured: 0 Estimated; 1 Bucket; R Reported.

Improvements: 0 None; 1 Trough.

Chemical analyses: P Indicates one analysis in which a few selected constituents and properties were determined; M Indicates more than one analysis.

State number	Owner or local name of spring	Date discharge measured	Discharge (gal/min)	Method measured	Water use	Improve-ments	Chemical analyses	Altitude of lsd (ft)
19S/37E-32QS1	--	3-10-76	1.00	0	S	0	--	3,840
19S/39E-32GS1	Upper Centennial	9-25-75	.230	1	Z	--	P	6,260
19S/39E-32GS2	--	9-25-75	F	--	Z	0	--	6,230
19S/40E-34DS2	--	10-09-75	F	--	S	--	P	5,150
20S/39E-12AS1	Crystal Spring	10-09-75	.937	1	--	--	--	--
		1908	1.00	0	--	--	--	--
20S/39E-36AS1	U.S. Navy	9-25-75	--	--	U	--	--	6,840
20S/40E-09JS1	U.S. Navy	9-11-75	--	--	U	--	--	5,400
20S/40E-14BS3	China Garden Sp.	8-12-75	.720	1	P	--	P	4,960
20S/40E-15CS1	U.S. Navy	9-11-75	F	--	Z	--	--	5,280
20S/40E-21PS1	Coso Village 1	9-10-75	.670	1	Z	--	P	5,820
20S/40E-21PS2	Coso Village 2	9-10-75	F	--	Z	--	--	5,820
20S/40E-21PS3	Coso Village 3	9-10-75	--	--	U	0	--	5,820
20S/40E-21PS4	Coso Village 4	9-10-75	--	--	U	0	--	5,820
20S/40E-32DS1	Mariposa Spring	9-10-75	--	--	U	--	--	6,320
21S/37E-06AS1	National Forest	11-12-75	F	--	Z	0	P	4,960
21S/37E-14ES1	Rose Spring	11-07-75	F	--	U	1	P	3,640
		1908	1.00	0	--	--	--	--
21S/37E-32HS1	Tunawee Spring	11-11-75	1.60	0	H	--	P	4,360
21S/39E-10PS1	Haiwee Spring	9-23-75	10.0	0	Z	0	M	4,740
21S/41E-13MS1	Tennesee Spring	8-12-75	1.33	1	Z	--	P	6,200
21S/41E-13PS1	Pipe Line Sp.	8-12-75	.370	1	P	--	P	6,280
		1-17-68	1.41	--	--	--	--	--
21S/42E-30DS1	East Spring	1-17-68	1.41	--	H	--	--	6,480
		9-11-61	2.00	R	--	--	--	--
		8-26-59	F	--	--	--	--	--
22S/37E-03NS1	S. Lewis	11-05-75	15.0	0	Z	--	M	3,800
		1908	25.0	R	--	--	--	--
22S/37E-10ES1	--	--	--	--	U	0	--	3,840
22S/37E-33HS1	Sacatar Spring	11-11-75	1.00	0	Z	1	P	4,960
22S/39E-07HS1	U.S. Navy	9-11-75	F	--	U	0	M	4,280
		12-14-60	F	--	--	--	--	--
23S/37E-01NS1	--	3-10-76	1.00	0	Z	--	P	3,650
23S/38E-18GS1	--	--	--	--	U	0	--	3,260
23S/38E-18GS2	--	--	--	--	U	0	--	3,200
23S/38E-18LS1	--	--	--	--	U	0	--	3,560

TABLE 3.--*Records of water level*

Letter(s) following water-level measurements:

A Well being pumped.
B Well pumped recently.
C Nearby well being pumped.
D Nearby well pumped recently.
E Estimated.
F Dry.
G Measurement by another agency.
H Tape measurement (recorder).
I Affected by atmospheric pressure.
J Water level below sea level.
K Measurement from recorder chart.
M Obstruction in well above water surface.
N No measurement.
O Discontinued.
P Destroyed.
Q Flowing.

18S/37E-34A1 M. DEPTH 600 FT IN 1917.
LSD 3590 FT ABOVE MSL.
HIGHEST WATER LEVEL 0.67 ABOVE LSD, MAR. 10, 1976,
LOWEST WATER LEVEL 0.67 ABOVE LSD, MAR. 10, 1976.
RECORDS AVAILABLE: 1976.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1976 +	.67						

19S/37E-33N1 M. DEPTH 1.2 FT IN 1975.
LSD 3740 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, NOV. 6, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1975	F						

19S/39E-27K1 M. DEPTH 5 FT IN 1975.
LSD 5960 FT ABOVE MSL.
HIGHEST WATER LEVEL 4.00 BELOW LSD, OCT. 9, 1975,
LOWEST WATER LEVEL 4.00 BELOW LSD, OCT. 9, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1975	4. E						

19S/40E-34D1 M. DEPTH 3.5 FT IN 1975.
LSD 5150 FT ABOVE MSL.
HIGHEST WATER LEVEL 2.17 BELOW LSD, OCT. 9, 1975,
LOWEST WATER LEVEL 2.17 BELOW LSD, OCT. 9, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 9, 1975	2.17						

20S/37E-3D1 M. DEPTH 65 FT WHEN DRILLED, 63.4 FT IN 1975.
LSD 3748.51 FT ABOVE MSL.
HIGHEST WATER LEVEL 17.45 BELOW LSD, NOV. 12, 1975,
LOWEST WATER LEVEL 17.45 BELOW LSD, NOV. 12, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1975	17.45						

20S/37E-3D2 M. DEPTH 130 FT WHEN DRILLED, 110.3 FT IN 1975.
LSD 3742.19 FT ABOVE MSL.
HIGHEST WATER LEVEL 13.71 BELOW LSD, NOV. 12, 1975,
LOWEST WATER LEVEL 13.71 BELOW LSD, NOV. 12, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1975	13.71						

20S/37E-3D3 M. DEPTH 20.3 FT IN 1975.
LSD 3740.86 FT ABOVE MSL.
HIGHEST WATER LEVEL 12.72 BELOW LSD, NOV. 12, 1975,
LOWEST WATER LEVEL 12.72 BELOW LSD, NOV. 12, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1975	12.72						

20S/37E-3D4 M. DEPTH 23.5 FT IN 1975.
LSD 3740 FT ABOVE MSL.
HIGHEST WATER LEVEL 12.45 BELOW LSD, NOV. 12, 1975,
LOWEST WATER LEVEL 12.45 BELOW LSD, NOV. 12, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1975	12.45						

20S/37E-3D5 M. DEPTH 53.1 FT IN 1975.
LSD 3767.97 FT ABOVE MSL.
HIGHEST WATER LEVEL 36.59 BELOW LSD, NOV. 12, 1975,
LOWEST WATER LEVEL 36.59 BELOW LSD, NOV. 12, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1975	36.59						

20S/37E-4A1 M. PERFORATED 111-116, 146-161, 181-196, 199-203 FT; DEPTH 201.5 FT IN 1964.
LSD 3790 FT ABOVE MSL.
HIGHEST WATER LEVEL 41.33 BELOW LSD, JULY 5, 1943,
LOWEST WATER LEVEL 51.50 BELOW LSD, AUG. 4, 1964.
RECORDS AVAILABLE: 1943, 1964, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 5, 1943	41.33G	AUG. 4, 1964	51.5 G	NOV. 12, 1975	50.75		

20S/37E-4A2 M. DEPTH 139 FT WHEN DRILLED, 37.9 FT IN 1975.
LSD 3751.13 FT ABOVE MSL.
HIGHEST WATER LEVEL 23.80 BELOW LSD, NOV. 12, 1975,
LOWEST WATER LEVEL 23.80 BELOW LSD, NOV. 12, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1975	23.80						

20S/37E-9H1 M. PERFORATED 83-203 FT.
LSD 3860 FT ABOVE MSL.
HIGHEST WATER LEVEL 149.55 BELOW LSD, MAR. 10, 1976,
LOWEST WATER LEVEL 149.55 BELOW LSD, MAR. 10, 1976.
RECORDS AVAILABLE: 1976.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1976	149.55						

20S/37E-16M1 M. DEPTH 300 FT (DATE UNKNOWN).
LSD 4010 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, NOV. 12, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1975	F						

20S/39E-36P1 M. DEPTH 4.6 FT IN 1975.
LSD 6520 FT ABOVE MSL.
HIGHEST WATER LEVEL 0.25 BELOW LSD, SEP. 25, 1975,
LOWEST WATER LEVEL 0.25 BELOW LSD, SEP. 25, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 25, 1975	.25						

20S/40E-10P1 M. DEPTH 4.85 FT IN 1975.
LSD 5240 FT ABOVE MSL.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 10, 1975	3.50A						

20S/40E-14B1 M. DEPTH 8.0 FT IN 1975.
LSD 4960 FT ABOVE MSL.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 12, 1975	7.60A						

20S/40E-14B2 M. DEPTH 7.0 FT IN 1975.
LSD 4960 FT ABOVE MSL.
HIGHEST WATER LEVEL 6.35 BELOW LSD, AUG. 12, 1975,
LOWEST WATER LEVEL 6.35 BELOW LSD, AUG. 12, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 12, 1975	6.35						

20S/40E-22K1 M. DEPTH 1.6 FT IN 1975.
LSD 5320 FT ABOVE MSL.
HIGHEST WATER LEVEL 0.50 BELOW LSD, OCT. 8, 1975,
LOWEST WATER LEVEL 0.50 BELOW LSD, OCT. 8, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 8, 1975	.50						

20S/40E-32M1 M. DEPTH 7.8 FT IN 1975.
LSD 6260 FT ABOVE MSL.
HIGHEST WATER LEVEL FLOWING, JAN. 17, 1962,
RECORDS AVAILABLE: 1962, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 17, 1962	Q	SEP. 9, 1975	7.6 A				

21S/37E-2K1 M. PERFORATED 29-101 FT.
LSD 3700 FT ABOVE MSL.
HIGHEST WATER LEVEL 10.60 BELOW LSD, DEC. 30, 1974,
LOWEST WATER LEVEL 10.60 BELOW LSD, DEC. 30, 1974.
RECORDS AVAILABLE: 1974-75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 30, 1974	10.6 G	NOV. 12, 1975	43.44A				

21S/37E-6H1 M. DEPTH 4.25 FT IN 1975.
LSD 4920 FT ABOVE MSL.
HIGHEST WATER LEVEL 0.44 ABOVE LSD, NOV. 12, 1975,
LOWEST WATER LEVEL 0.44 ABOVE LSD, NOV. 12, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1975 +	.44						

21S/37E-11C1 M. PERFORATED 30-170 FT; DEPTH 78.3 FT IN 1975.
LSD 3633.44 FT ABOVE MSL.
HIGHEST WATER LEVEL 38.30 BELOW LSD, NOV. 15, 1972,
LOWEST WATER LEVEL 39.28 BELOW LSD, NOV. 12, 1975.
RECORDS AVAILABLE: 1972, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1972	38.30G	NOV. 12, 1975	39.28				

21S/37E-23B1 M. DEPTH 22.2 FT IN 1975.
LSD 3540 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, OCT. 7, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1975	F						

TABLE 3.--*Records of water level*--Continued

21S/37E-26K1 M.
LSD 3430 FT ABOVE MSL.
HIGHEST WATER LEVEL 190.37 BELOW LSD, NOV. 13, 1975,
LOWEST WATER LEVEL 190.37 BELOW LSD, NOV. 13, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1975	190.37						

21S/37E-36G1 M. DEPTH 800 FT IN 1972.
LSD 3395 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, JAN. 25, 1972.
RECORDS AVAILABLE: 1972, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 25, 1972	F	NOV. 5, 1975	P				

21S/37E-36N1 M. DEPTH 82.2 FT IN 1975.
LSD 3382 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, NOV. 5, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1975	F						

21S/37E-36N2 M. DEPTH 15.5 FT IN 1975.
LSD 3382 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, NOV. 5, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1975	F						

21S/37E-36N3 M. DEPTH 17.6 FT IN 1975.
LSD 3382 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, NOV. 5, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1975	F						

21S/37E-36Q1 M. DEPTH 29.0 FT IN 1975.
LSD 3380 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, NOV. 5, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1975	F						

21S/37E-36Q2 M. DEPTH 18.2 FT IN 1975.
LSD 3380 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, NOV. 5, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1975	F						

21S/37E-36Q3 M. DEPTH 1.5 FT IN 1975.
LSD 3380 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, NOV. 5, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1975	F						

21S/39E-1H1 M.
LSD 6590 FT ABOVE MSL.
HIGHEST WATER LEVEL 7.00 BELOW LSD, SEP. 25, 1975,
LOWEST WATER LEVEL 7.00 BELOW LSD, SEP. 25, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 25, 1975	7. E						

21S/40E-7A1 M. DEPTH 5.2 FT IN 1975.
LSD 6220 FT ABOVE MSL.
HIGHEST WATER LEVEL 5.15 BELOW LSD, SEP. 25, 1975,
LOWEST WATER LEVEL 5.15 BELOW LSD, SEP. 25, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 25, 1975	5.15						

21S/41E-25N1 M. DEPTH 246.75 FT IN 1954, 217.2 FT IN 1959, 247.2 FT IN 1967.
LSD 5725.40 FT ABOVE MSL.
HIGHEST WATER LEVEL 244.33 BELOW LSD, MAR. 7, 1954,
DRY, WATER LEVEL NOT MEASUREABLE, AUG. 26, 1959.
RECORDS AVAILABLE: 1954, 1959, 1967-68, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1954	244.33	FEB. 18, 1967	245.75	JAN. 17, 1968	245.75	AUG. 12, 1975	P
AUG. 26, 1959	F						

22S/37E-2Q1 M. DEPTH 302 FT IN 1971.
LSD 3405 FT ABOVE MSL.
HIGHEST WATER LEVEL 165.20 BELOW LSD, NOV. 5, 1975,
LOWEST WATER LEVEL 166.00 BELOW LSD, , 1971.
RECORDS AVAILABLE: 1971, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
1971	166. G	NOV. 5, 1975	165.20				

TABLE 3.--*Records of water level*--Continued

22S/37E-2R1 M. DEPTH 176 FT IN 1946.
LSD 3380 FT ABOVE MSL.
HIGHEST WATER LEVEL 139.00 BELOW LSD, , 1946, MAR. 19, 1954,
LOWEST WATER LEVEL 139.00 BELOW LSD, , 1946, MAR. 19, 1954.
RECORDS AVAILABLE: 1946, 1954, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
1946	139. G	MAR. 19, 1954	139.	AUG. 13, 1975	P		

22S/37E-2R2 M. PERFORATED 170-210, 320-340, 350-370 FT.
LSD 3380 FT ABOVE MSL.
HIGHEST WATER LEVEL 140.00 BELOW LSD, AUG. 10, 1971,
LOWEST WATER LEVEL 142.00 BELOW LSD, , 1956, OCT. 26, 1961.
RECORDS AVAILABLE: 1956, 1961, 1971, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
1956	142. G	OCT. 26, 1961	142.	AUG. 10, 1971	140. G	AUG. 12, 1975	N

22S/38E-11J1 M. WELL PRODUCING STEAM AT LAND SURFACE.
LSD 4300 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, MAR. 10, 1976.
RECORDS AVAILABLE: 1976.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1976	F						

22S/38E-11J2 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 5.5 FT IN 1976.
LSD 4300 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, MAR. 10, 1976.
RECORDS AVAILABLE: 1976.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1976	F						

22S/38E-11J3 M. DEPTH 2.7 FT IN 1976.
LSD 4300 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, MAR. 9, 1976.
RECORDS AVAILABLE: 1976.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1976	F						

22S/38E-12M1 M. DEPTH 4.5 FT IN 1976.
LSD 4280 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, MAR. 9, 1976.
RECORDS AVAILABLE: 1976.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1976	F						

22S/38E-18C1 M. DEPTH 7.0 FT IN 1975.
LSD 3360 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, AUG. 12, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 12, 1975	F						

22S/39E-4A1 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 11.3 FT IN 1960, 3.2 FT IN 1975.
LSD 3640 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, JUNE 1, 1960, AUG. 13, 1975.
RECORDS AVAILABLE: 1960, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 1, 1960	F	AUG. 13, 1975	F				

22S/39E-4A2 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 25.1 FT IN 1960, 1.8 FT IN 1975.
LSD 3625 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, JUNE 1, 1960, AUG. 13, 1975.
RECORDS AVAILABLE: 1960, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 1, 1960	F	AUG. 13, 1975	F				

22S/39E-4A3 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 27.6 FT IN 1960, 6.0 FT IN 1975.
LSD 3625 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, JUNE 1, 1960, AUG. 13, 1975.
RECORDS AVAILABLE: 1960, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 1, 1960	F	AUG. 13, 1975	F				

22S/39E-4A4 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 7.5 FT IN 1960, 2.1 FT IN 1975.
LSD 3625 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, JUNE 1, 1960, AUG. 13, 1975.
RECORDS AVAILABLE: 1960, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 1, 1960	F	AUG. 13, 1975	F				

22S/39E-4A5 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 4.6 FT IN 1960, .7 FT IN 1975.
LSD 3625 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, JUNE 1, 1960, AUG. 13, 1975.
RECORDS AVAILABLE: 1960, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 1, 1960	F	AUG. 13, 1975	F				

TABLE 3.--*Records of water level*--Continued

22S/39E-4A7 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 3.1 FT IN 1975.
LSD 3640 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, AUG. 13, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1975	F						

22S/39E-4A10 M. WELL PRODUCING STEAM AT LAND SURFACE.
LSD 3640 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, AUG. 13, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1975	F						

22S/39E-4A12 M. WELL PRODUCING STEAM. CASING FILLED WITH SCALE 2.4 FT ABOVE LAND SURFACE IN 1975.
LSD 3640 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, AUG. 13, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1975	F						

22S/39E-4A13 M. WELL PRODUCING STEAM AT LAND SURFACE.
LSD 3625 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, AUG. 13, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1975	F						

22S/39E-4A14 M. WELL PRODUCING STEAM AT LAND SURFACE.
LSD 3625 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, AUG. 13, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1975	F						

22S/39E-4A15 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 2.0 FT IN 1975.
LSD 3625 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, AUG. 13, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1975	F						

22S/39E-4A16 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 3.85 FT IN 1975.
LSD 3625 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, AUG. 13, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1975	F						

22S/39E-4A17 M. WELL PRODUCING STEAM AT LAND SURFACE.
LSD 3625 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, AUG. 13, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1975	F						

22S/39E-4H1 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 20.4 FT IN 1961.
LSD 3615 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, JAN. 11, 1961, AUG. 13, 1975.
RECORDS AVAILABLE: 1961, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 11, 1961	F	AUG. 13, 1975	F				

22S/39E-4H2 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 36.0 FT IN 1961.
LSD 3615 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, JAN. 11, 1961, AUG. 13, 1975.
RECORDS AVAILABLE: 1961, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 11, 1961	F	AUG. 13, 1975	F				

22S/39E-4H3 M. WELL PRODUCING STEAM AT LAND SURFACE.
LSD 3615 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, JAN. 11, 1961, AUG. 13, 1975.
RECORDS AVAILABLE: 1961, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 11, 1961	F	AUG. 13, 1975	F				

22S/39E-4H4 M. WELL PRODUCING STEAM AT LAND SURFACE.
LSD 3615 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, JAN. 11, 1961, AUG. 13, 1975.
RECORDS AVAILABLE: 1961, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 11, 1961	F	AUG. 13, 1975	F				

22S/39E-4M5 M. STEAM COMING OUT OF DIRT WHERE WELL WAS LOCATED.
LSD 3610 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, JAN. 11, 1961.
RECORDS AVAILABLE: 1961, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 11, 1961	F	JULY 29, 1975	P				

22S/39E-4M6 M. WELL FILLED WITH CEMENT AT LAND SURFACE. STEAM COMING UP AROUND CASING. DEPTH 30 FT WHEN DRILLED.
LSD 3610 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, JAN. 11, 1961.
RECORDS AVAILABLE: 1961, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 11, 1961	F	JULY 29, 1975	P				

22S/39E-4M7 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 24.62 FT IN 1961.
LSD 3600 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, AUG. 23, 1961, AUG. 13, 1975.
RECORDS AVAILABLE: 1961, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 23, 1961	F	AUG. 13, 1975	F				

22S/39E-4M8 M. PERFORATED 320-370 FT; OPEN END AT 375 FT.
LSD 3615 FT ABOVE MSL.
HIGHEST WATER LEVEL 103.60 BELOW LSD, DEC. 18, 1967,
LOWEST WATER LEVEL 152.00 BELOW LSD, MAR. 23, 1967.
RECORDS AVAILABLE: 1967, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 23, 1967	152. G	DEC. 18, 1967	103.6 G	AUG. 13, 1975	-N		

22S/39E-4J1 M. DEPTH 1.9 FT IN 1961, 1.3 FT IN 1975.
LSD 3600 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, MAY 23, 1961, AUG. 13, 1975.
RECORDS AVAILABLE: 1961, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 23, 1961	F	AUG. 13, 1975	F				

TABLE 3.--*Records of water level*--Continued

22S/39E-4K1 M. DEPTH 86.7 FT IN 1960, 86.7 FT IN 1975.
LSD 3660 FT ABOVE MSL.
HIGHEST WATER LEVEL 55.60 BELOW LSD, AUG. 12, 1965,
LOWEST WATER LEVEL 63.60 BELOW LSD, JULY 20, 1962.
RECORDS AVAILABLE: 1960-65, 1975-76.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 3, 1960	57.5	MAY 23, 1961	58.0	OCT. 26, 1961	58.20	SEP. 8, 1964	58.5
DEC. 14	57.6	JUNE 26	57.28	FEB. 21, 1962	58.40	MAR. 29, 1965	57.7
JAN. 11, 1961	58.3	JULY 25	58.20	JULY 20	63.60	AUG. 12	55.6
FEB. 16	61.0	AUG. 23	59.70	MAR. 11, 1963	57.85	JULY 29, 1975	57.60
MAR. 14	58.15	AUG. 30	60.10	OCT. 24	58.20	SEP. 11	57.18
APR. 19	57.30	SEP. 21	57.80	MAR. 12, 1964	56.80	MAR. 8, 1976	57.95

22S/39E-4K2 M. DEPTH 3.55 FT IN 1960, 3.5 FT IN 1975.
LSD 3610 FT ABOVE MSL.
HIGHEST WATER LEVEL 0.66 BELOW LSD, MAR. 8, 1976,
DRY, WATER LEVEL NOT MEASUREABLE, JULY 29, 1975.
RECORDS AVAILABLE: 1960-66, 1975-76.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1960	1.97	JUNE 26, 1961	3.10	FEB. 21, 1962	1.13	MAR. 29, 1965	2.60
JAN. 11, 1961	1.96	JULY 25	3.50	JULY 20	2.89	AUG. 12	2.40
FEB. 16	1.72	AUG. 23	2.60	MAR. 11, 1963	1.55	JULY 8, 1966	3.10
MAR. 14	1.86	AUG. 30	2.46	OCT. 24	1.70	JULY 29, 1975	F
APR. 20	2.15	SEP. 21	2.02	MAR. 12, 1964	1.28	MAR. 8, 1976	.66
MAY 23	2.28	OCT. 26	1.75	SEP. 8	2.68		

22S/39E-4K3 M. CASING FILLED WITH CEMENT; STEAM ESCAPING FROM AROUND BOTTOM OF CEMENT SLAB.
DEPTH 8.3 FT IN 1965.
LSD 3610 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, DEC. 14, 1960, MAR. 29, 1965.
RECORDS AVAILABLE: 1960, 1965, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1960	F	MAR. 29, 1965	F	JULY 29, 1975	P		

22S/39E-4K4 M. DEPTH 1.2 FT IN 1975.
LSD 3608 FT ABOVE MSL.
HIGHEST WATER LEVEL 0.12 BELOW LSD, MAR. 29, 1965,
DRY, WATER LEVEL NOT MEASUREABLE, JUNE 26, 1961.
RECORDS AVAILABLE: 1961-66, 1975-76.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 11, 1961	.30	JULY 25, 1961	1.20	JULY 20, 1962	.89	MAR. 29, 1965	.12
FEB. 16	.29	AUG. 23	.41	MAR. 11, 1963	.25	AUG. 12	.13
MAR. 14	.31	AUG. 30	.36	OCT. 24	.20	JULY 8, 1966	1.60
APR. 20	.31	SEP. 21	.29	MAR. 12, 1964	.20	JULY 29, 1975	N
MAY 23	.41	OCT. 26	.27	SEP. 8	.43	MAR. 8, 1976	.25
JUNE 26	F	FEB. 21, 1962	.26				

22S/39E-4K6 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 9.0 FT IN 1975.
LSD 3610 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, AUG. 13, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1975	F						

TABLE 3.--*Records of water level*--Continued

22S/39E-4K7 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 6.8 FT IN 1975.
LSD 3610 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, AUG. 13, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1975	F						

22S/39E-4P1 M. DEPTH 106.1 FT IN 1960, 105 FT IN 1961, FILLED WITH DEBRIS IN 1975.
LSD 3662 FT ABOVE MSL.
HIGHEST WATER LEVEL 62.40 BELOW LSD, OCT. 26, 1961.
DRY, WATER LEVEL NOT MEASUREABLE, JULY 29, 1975.
RECORDS AVAILABLE: 1960-62, 1965, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 1, 1960	66.7	OCT. 26, 1961	62.40	JULY 20, 1962	65.00	JULY 29, 1975	F
SEP. 18, 1961	63. G	FEB. 21, 1962	62.50	AUG. 12, 1965	63.9		

22S/39E-4P2 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 79.0 FT IN 1960.
LSD 3681 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, JAN. 11, 1961, JULY 29, 1975.
RECORDS AVAILABLE: 1961, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 11, 1961	F	JULY 29, 1975	F				

22S/39E-4P3 M. WELL PRODUCING STEAM. DEPTH 80.0 FT IN 1975.
LSD 3681 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, JULY 29, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 29, 1975	F						

22S/39E-6B1 M. DEPTH 70.1 FT WHEN DRILLED, 72.2 FT IN 1975.
LSD 4355 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, SEP. 23, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 23, 1975	F						

22S/39E-7H2 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 7.5 FT IN 1974.
LSD 4145 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, SEP. 11, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 11, 1975	F						

22S/39E-8C1 M. DEPTH 36.5 FT IN 1941.
LSD 3962.60 FT ABOVE MSL.
HIGHEST WATER LEVEL 30.50 BELOW LSD, , 1941,
LOWEST WATER LEVEL 30.50 BELOW LSD, , 1941.
RECORDS AVAILABLE: 1941, 1976.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
1941	30.5 G	MAR. 9, 1976	P				

22S/39E-8C2 M. DEPTH 71 FT IN 1941, 23.5 FT IN 1961.
LSD 3957.70 FT ABOVE MSL.
HIGHEST WATER LEVEL 18.98 BELOW LSD, AUG. 23, 1961,
DRY, WATER LEVEL NOT MEASUREABLE, AUG. 30, 1961.
RECORDS AVAILABLE: 1961, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 23, 1961	18.98	AUG. 30, 1961	F	SEP. 11, 1975	P		

22S/39E-8C12 M. DEPTH 38.5 FT IN 1941, 2.0 FT IN 1975.
LSD 3979.20 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, SEP. 11, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 11, 1975	F						

22S/39E-8C13 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 56 FT IN 1941, 23.5 FT IN 1975.
LSD 3981 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, SEP. 11, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 11, 1975	F						

22S/39E-8C14 M. DEPTH 68.5 FT IN 1941, 21.5 FT IN 1976.
LSD 3992 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, MAR. 9, 1976.
RECORDS AVAILABLE: 1976.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1976	F						

22S/39E-8C15 M. DEPTH 68 FT IN 1941, 29.5 FT IN 1976.
LSD 3974.40 FT ABOVE MSL.
HIGHEST WATER LEVEL 54.00 BELOW LSD, , 1941,
DRY, WATER LEVEL NOT MEASUREABLE, MAR. 9, 1976.
RECORDS AVAILABLE: 1941, 1976.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
1941	54. G	MAR. 9, 1976	F				

22S/39E-8C17 M. DEPTH 65.5 FT IN 1941.
LSD 3968.10 FT ABOVE MSL.
HIGHEST WATER LEVEL 56.50 BELOW LSD, , 1941,
LOWEST WATER LEVEL 56.50 BELOW LSD, , 1941.
RECORDS AVAILABLE: 1941, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
1941	56.5 G	SEP. 11, 1975	P				

22S/39E-8C18 M. WELL PRODUCING STEAM. DEPTH 27.5 FT IN 1941, 4.6 FT IN 1975.
LSD 3957.50 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, SEP. 11, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 11, 1975	F						

22S/39E-8C19 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 14.5 FT IN 1975.
LSD 3951 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, SEP. 11, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 11, 1975	F						

22S/39E-8C20 M. DEPTH 44 FT IN 1940, 37.0 FT IN 1975.
LSD 3985 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, SEP. 11, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 11, 1975	F						

22S/39E-8C21 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 34.5 FT IN 1941, 28.3 FT IN 1960, 18.5 FT IN 1975.
LSD 3969.50 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, DEC. 14, 1960, SEP. 11, 1975.
RECORDS AVAILABLE: 1960, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1960	F	SEP. 11, 1975	F				

22S/39E-8C23 M. DEPTH 51.5 FT IN 1941.
LSD 3966.60 FT ABOVE MSL.
HIGHEST WATER LEVEL 45.00 BELOW LSD, , 1941,
LOWEST WATER LEVEL 45.00 BELOW LSD, , 1941.
RECORDS AVAILABLE: 1941, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
1941	45. G	MAR. 9, 1976	P				

22S/39E-8C27 M. DEPTH 15 FT IN 1941, 3.0 FT IN 1976.
LSD 4032.10 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, MAR. 9, 1976.
RECORDS AVAILABLE: 1976.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1976	F						

22S/39E-10B1 M. DEPTH 21.3 FT WHEN DRILLED, 19.0 FT IN 1975.
LSD 3560 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, SEP. 22, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 22, 1975	F						

22S/39E-16G1 M. WELL PRODUCING STEAM AT LAND SURFACE. DEPTH 3.5 FT IN 1975.
LSD 3650 FT ABOVE MSL.
DRY, WATER LEVEL NOT MEASUREABLE, AUG. 13, 1975.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 13, 1975	F						

23S/38E-5N1 M. DEPTH 38 FT IN 1959, 34.6 FT IN 1972, 28 FT IN 1975.
LSD 3190 FT ABOVE MSL.
HIGHEST WATER LEVEL 12.21 BELOW LSD, SEP. 16, 1959,
LOWEST WATER LEVEL 14.49 BELOW LSD, NOV. 10, 1975.
RECORDS AVAILABLE: 1959, 1972, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 16, 1959	12.21	AUG. 1, 1972	13.74	NOV. 10, 1975	14.49		

23S/38E-8D1 M. DEPTH 38 FT IN 1959, 6.8 FT IN 1972.
LSD 3175 FT ABOVE MSL.
HIGHEST WATER LEVEL 1.71 BELOW LSD, SEP. 16, 1959,
LOWEST WATER LEVEL 4.40 BELOW LSD, AUG. 1, 1972.
RECORDS AVAILABLE: 1959, 1972, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 16, 1959	1.71	AUG. 1, 1972	4.4	NOV. 10, 1975	6.07A		

23S/38E-8D2 M. PERFORATED 0-150 FT.
LSD 3180 FT ABOVE MSL.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	OATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1975	11.20A						

TABLE 3.--*Records of water level*--Continued

23S/38E-17D1 M. DEPTH 6.2 FT IN 1959, 6.7 FT IN 1975.
LSD 3190 FT ABOVE MSL.
HIGHEST WATER LEVEL FLOWING, AUG. 1, 1972.
LOWEST WATER LEVEL 3.30 BELOW LSD, NOV. 13, 1975.
RECORDS AVAILABLE: 1959, 1972, 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 4, 1959	2.12A	AUG. 1, 1972	Q	NOV. 13, 1975	3.30		

23S/38E-17D2 M. DEPTH 93.0 FT IN 1975.
LSD 3195 FT ABOVE MSL.
RECORDS AVAILABLE: 1975.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1975	6.08A						

EXPLANATION OF CHEMICAL-ANALYSIS TABLE

Any column:

MO Trace is present, and quantity rounds to 0 in whole numbers

M.0 Trace is present, and quantity rounds to tenths of a whole number

M.00 Trace is present, and quantity rounds to hundredths of a whole number

Code for agency collecting sample
and
Code for agency analyzing sample:

704 Navy

1028 Geological Survey

9801 Private laboratory

TABLE 4.--*Chemical analyses of water*

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

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE
018S037E34A01M	36 19 46	117 56 55	01	45-04-00
				54-11-17
				76-03-10
019S039E27K01M	36 15 06	117 43 51	01	75-10-09
019S039E32GS1M	36 14 26	117 45 57	01	75-09-25
019S040E34DS2M	36 14 43	117 38 02	02	75-10-09
019S040E34D01M	36 14 43	117 38 02	01	75-10-09
020S037E03D01M	36 13 47	117 57 55	01	75-11-12
020S037E03D02M	36 13 48	117 57 53	01	75-11-12
020S037E03D03M	36 13 47	117 57 50	01	75-11-12
020S037E03D04M	36 13 50	117 57 46	01	75-11-12
020S037E04A01M	36 13 43	117 58 10	01	75-11-11
020S037E04A02M	36 13 52	117 57 59	01	75-11-12
020S039E12AS1M	36 12 53	117 41 22	01	08-00-00
				75-10-09
020S039E36P01M	36 08 44	117 41 51	01	75-09-25
020S040E10P01M	36 12 15	117 37 40	01	75-09-10
020S040E14BS3M	36 12 05	117 36 20	01	75-08-12
020S040E21PS1M	36 10 39	117 38 48	01	75-09-10
020S040E22K01M	36 10 54	117 37 33	01	75-10-08
020S040E32M01M	36 09 03	117 40 08	01	75-09-09
021S037E02K01M	36 08 06	117 57 00	01	75-00-00
				75-11-12
021S037E06AS1M	36 08 31	118 01 00	01	75-11-12
021S037E06H01M	36 08 19	118 01 05	01	75-11-12
021S037E11C01M	36 07 34	117 57 15	01	68-07-17
021S037E14ES1M	36 06 29	117 57 36	01	08-00-00
021S037E26B01M	36 05 01	117 57 02	01	75-11-13
021S037E32HS1M	36 03 52	117 59 48	01	75-11-11
021S039E10PS1M	36 07 00	117 45 21	01	60-12-14
				75-09-23
021S041E13MS1M	36 06 18	117 30 43	01	75-08-12
021S041E13PS1M	36 06 05	117 30 17	01	68-01-17
				75-08-12
022S037E02Q01M	36 02 41	117 57 00	01	75-11-05
022S037E02R01M	36 02 40	117 56 45	01	54-03-19
				55-07-13
022S037E02R02M	36 02 40	117 56 45	02	60-03-30
				61-10-26
				75-01-07

TABLE 4.--*Chemical analyses of water*--Continued

TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)
--	94	M0	--	--	48
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--	40	--	200	--	52
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--	12	--	2000	--	26
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--	47	140	70	--	35
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--	40	--	0	--	45
1915	--	--	--	--	57
--	37	--	--	--	55
--	42	--	20	--	58
--	--	--	1100	0	54

TABLE 4.--*Chemical analyses of water*--Continued

DATE OF SAMPLE	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
45-04-00	70	2000	--	3000	0
54-11-17	66	2000	95	3000	0
76-03-10	--	--	--	--	--
75-10-09	--	--	--	--	--
75-09-25	--	--	--	--	--
75-10-09	--	--	--	--	--
75-10-09	--	--	--	--	--
75-11-12	--	--	--	--	--
75-11-12	--	--	--	--	--
75-11-12	--	--	--	--	--
75-11-12	--	--	--	--	--
75-11-11	--	--	--	--	--
75-11-12	--	--	--	--	--
08-00-00	--	--	--	--	--
75-10-09	--	--	--	--	--
75-09-25	--	--	--	--	--
75-09-10	--	--	--	--	--
75-08-12	--	--	--	--	--
75-09-10	--	--	--	--	--
75-10-08	--	--	--	--	--
75-09-09	--	--	--	--	--
75-00-00	28	220	8.0	--	--
75-11-12	--	--	--	--	--
75-11-12	--	--	--	--	--
75-11-12	--	--	--	--	--
68-07-17	10	160	7.0	--	--
08-00-00	--	--	--	--	--
75-11-13	--	--	--	--	--
75-11-11	--	--	--	--	--
60-12-14	18	33	4.5	180	0
75-09-23	--	--	--	--	--
75-08-12	--	--	--	--	--
68-01-17	--	--	--	--	--
75-08-12	--	--	--	--	--
75-11-05	--	--	--	--	--
54-03-19	35	36	3.1	270	0
55-07-13	27	37	3.4	270	0
60-03-30	26	36	3.1	300	0
61-10-26	25	35	3.6	290	0
75-01-07	28	37	3.2	240	0

HY-DROX-IDE (OH) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	IODIDE (I) (MG/L)
--	2460	52	1600	--	--	--
--	2460	63	1600	1.0	--	--
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--	--	160	40	1.1	--	--
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--	148	67	18	.4	--	--
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--	221	64	15	.3	--	--
--	221	84	16	.4	--	--
--	246	59	16	.5	--	--
--	238	60	16	.4	--	--
0	197	65	24	.4	--	--

TABLE 4.--*Chemical analyses of water*--Continued

DATE OF SAMPLE	TOTAL NITRATE (NO3) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS_SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS_SOLVED AMMONIA (NH4) (MG/L)
45-04-00	--	--	--	--	--
54-11-17	16	--	--	--	--
76-03-10	--	--	--	--	--
75-10-09	--	--	--	--	--
75-09-25	--	--	--	--	--
75-10-09	--	--	--	--	--
75-10-09	--	--	--	--	--
75-11-12	--	--	--	--	--
75-11-12	--	--	--	--	--
75-11-12	--	--	--	--	--
75-11-12	--	--	--	--	--
75-11-11	--	--	--	--	--
75-11-12	--	--	--	--	--
08-00-00	--	--	--	--	--
75-10-09	--	--	--	--	--
75-09-25	--	--	--	--	--
75-09-10	--	--	--	--	--
75-08-12	--	--	--	--	--
75-09-10	--	--	--	--	--
75-10-08	--	--	--	--	--
75-09-09	--	--	--	--	--
75-00-00	1.2	.03	.12	.00	.00
75-11-12	--	--	--	--	--
75-11-12	--	--	--	--	--
75-11-12	--	--	--	--	--
68-07-17	1.0	.00	.01	.02	.03
08-00-00	--	--	--	--	--
75-11-13	--	--	--	--	--
75-11-11	--	--	--	--	--
60-12-14	.10	--	--	--	--
75-09-23	--	--	--	--	--
75-08-12	--	--	--	--	--
68-01-17	--	--	--	--	--
75-08-12	--	--	--	--	--
75-11-05	--	--	--	--	--
54-03-19	.00	--	--	--	--
55-07-13	2.5	--	--	--	--
60-03-30	7.4	--	--	--	--
61-10-26	1.0	--	--	--	--
75-01-07	3.0	--	--	--	--

TABLE 4.--*Chemical analyses of water*--Continued

TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PERCENT SODIUM
--	--	6940	5360	406	0	--
--	--	5530	--	400	0	89
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.16	.60	--	--	240	--	65
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
.15	2.4	546	--	110	--	75
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	317	312	160	13	30
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	362	371	260	15	23
--	--	390	--	250	0	24
--	--	371	380	240	0	24
--	--	380	383	250	5	23
--	--	410	--	250	53	24

TABLE 4.--*Chemical analyses of water*--Continued

DATE OF SAMPLE	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	ODOR (THRESHOLD NUMBER)
45-04-00	43	8400	--	34.4	--
54-11-17	44	8780	7.6	--	--
76-03-10	--	--	7.0	31.1	--
75-10-09	--	505	--	16.0	--
75-09-25	--	520	--	16.8	--
75-10-09	--	--	--	14.8	--
75-10-09	--	800	--	14.8	--
75-11-12	--	240	--	13.9	--
75-11-12	--	345	--	16.1	--
75-11-12	--	290	--	18.9	--
75-11-12	--	270	--	18.9	--
75-11-11	--	360	--	13.5	--
75-11-12	--	285	--	16.7	--
08-00-00	--	--	--	15.6	--
75-10-09	--	490	--	11.0	--
75-09-25	--	580	--	16.8	--
75-09-10	--	730	--	19.5	--
75-08-12	--	420	--	18.9	--
75-09-10	--	630	--	17.0	--
75-10-08	--	695	--	14.8	--
75-09-09	--	980	--	20.0	--
75-00-00	6.1	1340	7.8	14.0	0
75-11-12	--	625	--	13.9	--
75-11-12	--	--	--	10.0	--
75-11-12	--	650	--	10.0	--
68-07-17	6.8	868	8.4	17.0	0
08-00-00	--	--	--	15.6	--
75-11-13	--	900	--	21.0	--
75-11-11	--	380	--	19.0	--
60-12-14	1.1	447	7.8	16.7	--
75-09-23	--	640	--	23.0	--
75-08-12	--	410	--	25.0	--
68-01-17	--	--	--	3.9	--
75-08-12	--	290	--	21.1	--
75-11-05	--	550	--	20.8	--
54-03-19	1.0	563	8.3	--	--
55-07-13	1.0	595	7.3	22.2	--
60-03-30	1.0	555	7.3	22.8	--
61-10-26	1.0	595	7.4	23.3	--
75-01-07	1.0	--	7.3	--	--

TABLE 4.--*Chemical analyses of water*--Continued

TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BARIUM (BA) (UG/L)
--	--	--	--	--	0	M0
--	--	--	121	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
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--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
3	6.3	2.5	--	--	590	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
12	--	.0	--	<.0	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	4.6	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	2.2	--	--	--
--	--	--	22	--	--	--
--	--	--	24	--	--	--
--	--	--	19	--	--	--
--	--	--	19	--	0	--

TABLE 4.--*Chemical analyses of water*--Continued

DATE OF SAMPLE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	TOTAL ANTI-MONY IN BOTTOM MA-TERIAL (UG/G)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)
45-04-00	18900	M0	M0	--	M0	--
54-11-17	27900	--	--	--	--	--
76-03-10	--	--	--	--	--	--
75-10-09	--	--	--	--	--	--
75-09-25	--	--	--	--	--	--
75-10-09	--	--	--	--	--	--
75-10-09	--	--	--	--	--	--
75-11-12	--	--	--	--	--	--
75-11-12	--	--	--	--	--	--
75-11-12	--	--	--	--	--	--
75-11-12	--	--	--	--	--	--
75-11-11	--	--	--	--	--	--
75-11-12	--	--	--	--	--	--
08-00-00	--	--	--	--	--	--
75-10-09	--	--	--	--	--	--
75-09-25	--	--	--	--	--	--
75-09-10	--	--	--	--	--	--
75-08-12	--	--	--	--	--	--
75-09-10	--	--	--	--	--	--
75-10-08	--	--	--	--	--	--
75-09-09	--	--	--	--	--	--
75-00-00	1300	--	--	--	--	--
75-11-12	--	--	--	--	--	--
75-11-12	--	--	--	--	--	--
75-11-12	--	--	--	--	--	--
68-07-17	1200	--	--	--	--	--
08-00-00	--	--	--	--	--	--
75-11-13	--	--	--	--	--	--
75-11-11	--	--	--	--	--	--
60-12-14	0	--	--	--	--	--
75-09-23	--	--	--	--	--	--
75-08-12	--	--	--	--	--	--
68-01-17	--	--	--	--	--	--
75-08-12	--	--	--	--	--	--
75-11-05	--	--	--	--	--	--
54-03-19	60	--	--	--	--	--
55-07-13	40	--	--	--	--	--
60-03-30	80	--	--	--	--	--
61-10-26	100	--	--	--	--	--
75-01-07	--	--	--	--	--	--

TABLE 4.--*Chemical analyses of water*--Continued

DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	CODE FOR AGENCY COL-LECTING SAMPLE	CODE FOR AGENCY ANA-LYZING SAMPLE
--	--	--	M0	M0	M.0	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	--	--
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	--	--
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	--	--

TABLE 4.--*Chemical analyses of water*--Continued

LOCAL IDENTIFIER	LATITUDE	LONGITUDE	SEQ. NO.	DATE OF SAMPLE
022S037E02R02M	36 02 40	117 56 45	02	75-08-12
022S037E03NS1M	36 02 44	117 58 32	01	08-00-00
				55-07-15
				75-11-05
022S037E33HS1M	35 58 25	117 58 43	01	75-11-11
022S039E04H08M	36 03 02	117 46 01	04	67-00-00
				68-04-08
				68-04-08
022S039E04K01M	36 02 45	117 46 15	01	63-10-24
				75-07-29
				76-03-08
022S039E04K02M	36 02 53	117 46 04	01	46-03-20
				60-12-14
				61-01-11
				61-02-16
				61-04-20
				61-05-23
				61-06-26
				61-08-23
				61-08-30
				61-09-21
				61-10-26
				62-02-21
				64-03-12
				76-03-08
022S039E04K03M	36 02 53	117 46 04	02	60-12-14
				64-00-00
022S039E04K04M	36 02 53	117 46 04	03	61-02-16
				61-04-20
				61-05-23
				61-08-23
				61-08-30
				61-09-21
				61-10-26
				62-02-21
				63-10-24
				64-03-12
				65-03-29
				65-08-12
				76-03-08

TABLE 4.--*Chemical analyses of water*--Continued

TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)
--	--	--	--	--	--
--	--	--	--	--	--
1500	--	--	--	--	48
--	--	--	--	--	--
--	--	--	--	--	--
--	50	--	150	0	73
0800	27	--	--	--	360
1600	150	--	--	--	74
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	120	--	--	--	16
--	200	1400	90	--	98
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	200	110	60	--	17
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	330	2300	5500	800	28
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
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--	--	--	--	--	--
--	--	--	--	--	--
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TABLE 4.--*Chemical analyses of water*--Continued

DATE OF SAMPLE	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
75-08-12	--	--	--	--	--
08-00-00	--	--	--	--	--
55-07-15	18	17	5.1	220	0
75-11-05	--	--	--	--	--
75-11-11	--	--	--	--	--
67-00-00	.5	1800	150	130	84
68-04-08	.6	2600	170	0	50
68-04-08	1.0	1600	240	0	77
63-10-24	--	--	--	--	--
75-07-29	--	--	--	--	--
76-03-08	--	--	--	--	--
46-03-20	2.1	22	4.3	40	0
60-12-14	25	81	23	0	0
61-01-11	--	--	--	--	--
61-02-16	--	--	--	--	--
61-04-20	--	--	--	--	--
61-05-23	--	--	--	--	--
61-06-26	--	--	--	--	--
61-08-23	--	--	--	--	--
61-06-30	--	--	--	--	--
61-09-21	--	--	--	--	--
61-10-26	--	--	--	--	--
62-02-21	--	--	--	--	--
64-03-12	--	--	--	--	--
76-03-08	--	--	--	--	--
60-12-14	6.2	25	8.6	0	0
64-00-00	--	--	--	--	--
61-02-16	--	--	--	--	--
61-04-20	--	--	--	--	--
61-05-23	12	30	8.8	0	0
61-08-23	--	--	--	--	--
61-08-30	--	--	--	--	--
61-09-21	--	--	--	--	--
61-10-26	--	--	--	--	--
62-02-21	--	--	--	--	--
63-10-24	--	--	--	--	--
64-03-12	--	--	--	--	--
65-03-29	--	--	--	--	--
65-08-12	--	--	--	--	--
76-03-08	--	--	--	--	--

TABLE 4.--*Chemical analyses of water*--Continued

HY-DROX-IDE (OH) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	IODIDE (I) (MG/L)
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	180	32	7.0	.4	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	246	38	2800	3.7	--	--
76	83	220	3700	1.6	4.7	--
2	128	53	3000	2.2	2.6	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	33	59	.7	.2	--	--
--	0	530	6.5	.8	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	0	130	1.0	.2	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	0	950	280	.4	3.4	.00
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
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--	--	--	--	--	--	--
--	--	--	--	--	--	--

TABLE 4.--*Chemical analyses of water*--Continued

DATE OF SAMPLE	TOTAL NITRATE (NO3) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS_SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS_SOLVED AMMONIA (NH4) (MG/L)
75-08-12	--	--	--	--	--
08-00-00	--	--	--	--	--
55-07-15	.00	--	--	--	--
75-11-05	--	--	--	--	--
75-11-11	--	--	--	--	--
67-00-00	7.1	--	--	--	--
68-04-08	M.00	.00	.00	--	M.00
68-04-08	M.00	.00	.00	--	M.00
63-10-24	--	--	--	--	--
75-07-29	--	--	--	--	--
76-03-08	--	--	--	--	--
46-03-20	6.2	--	--	--	--
60-12-14	8.1	--	--	--	--
61-01-11	--	--	--	--	--
61-02-16	--	--	--	--	--
61-04-20	--	--	--	--	--
61-05-23	--	--	--	--	--
61-06-26	--	--	--	--	--
61-08-23	--	--	--	--	--
61-08-30	--	--	--	--	--
61-09-21	--	--	--	--	--
61-10-26	--	--	--	--	--
62-02-21	--	--	--	--	--
64-03-12	--	--	--	--	--
76-03-08	--	--	--	--	--
60-12-14	.10	--	--	--	--
64-00-00	--	--	--	--	--
61-02-16	--	--	--	--	--
61-04-20	--	--	--	--	--
61-05-23	.50	--	--	--	--
61-08-23	--	--	--	--	--
61-08-30	--	--	--	--	--
61-09-21	--	--	--	--	--
61-10-26	--	--	--	--	--
62-02-21	--	--	--	--	--
63-10-24	--	--	--	--	--
64-03-12	--	--	--	--	--
65-03-29	--	--	--	--	--
65-08-12	--	--	--	--	--
76-03-08	--	--	--	--	--

TABLE 4.--*Chemical analyses of water*--Continued

TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PERCENT SODIUM
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	310	--	190	14	16
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	.40	5740	5110	180	0	91
--	.23	6890	7270	900	820	83
--	.88	5230	5280	190	60	88
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	.32	249	244	48	15	47
--	--	1030	966	350	350	32
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	443	388	68	68	41
--	--	2800	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	.10	1070	1650	90	90	33
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--

TABLE 4.--*Chemical analyses of water*--Continued

DATE OF SAMPLE	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	ODOR (THRESHOLD NUMBER)
75-08-12	--	690	--	28.9	--
08-00-00	--	--	--	12.8	--
55-07-15	.5	405	8.2	21.1	--
75-11-05	--	420	--	18.0	--
75-11-11	--	725	--	7.0	--
67-00-00	58	--	8.9	--	--
68-04-08	38	11000	9.8	--	--
68-04-08	51	9100	8.5	--	--
63-10-24	--	--	--	96.7	--
75-07-29	--	--	--	94.5	--
76-03-08	--	--	>5.0	97.8	--
46-03-20	1.4	222	6.5	40.0	--
60-12-14	1.9	1150	4.0	25.6	--
61-01-11	--	--	--	25.6	--
61-02-16	--	--	--	27.8	--
61-04-20	--	--	--	34.4	--
61-05-23	--	--	--	36.7	--
61-06-26	--	--	--	36.7	--
61-08-23	--	--	--	42.2	--
61-08-30	--	--	--	41.7	--
61-09-21	--	--	--	38.4	--
61-10-26	--	--	--	34.4	--
62-02-21	--	--	--	21.7	--
64-03-12	--	--	--	16.7	--
76-03-08	--	--	>5.0	--	--
60-12-14	1.3	350	4.5	--	--
64-00-00	--	--	4.5	95.0	--
61-02-16	--	--	--	79.0	--
61-04-20	--	--	--	80.1	--
61-05-23	1.2	3780	2.1	78.4	--
61-08-23	--	--	--	84.5	--
61-08-30	--	--	--	82.3	--
61-09-21	--	--	--	83.4	--
61-10-26	--	--	--	83.4	--
62-02-21	--	--	--	81.2	--
63-10-24	--	--	--	83.4	--
64-03-12	--	--	--	70.1	--
65-03-29	--	--	--	73.9	--
65-08-12	--	--	--	89.0	--
76-03-08	--	--	--	77.8	--

TABLE 4.--*Chemical analyses of water*--Continued

TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BARIUM (BA) (UG/L)
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	2.2	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	.6	.2	--	--
--	--	--	.0	--	940	--
--	--	--	.8	--	7500	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	20	--	--	--
--	--	--	.0	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	.0	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	.0	--	0	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--

TABLE 4.--*Chemical analyses of water*--Continued

DATE OF SAMPLE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	TOTAL ANTI-MONY IN BOTTOM MA-TERIAL (UG/G)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)
75-08-12	--	--	--	--	--	--
08-00-00	--	--	--	--	--	--
55-07-15	40	--	--	--	--	--
75-11-05	--	--	--	--	--	--
75-11-11	--	--	--	--	--	--
67-00-00	48000	--	--	0	--	--
68-04-08	57000	--	--	--	--	--
68-04-08	72000	--	--	--	--	--
63-10-24	--	--	--	--	--	--
75-07-29	--	--	--	--	--	--
76-03-08	--	--	--	--	--	--
46-03-20	40	--	--	--	--	--
60-12-14	0	--	--	--	--	--
61-01-11	--	--	--	--	--	--
61-02-16	--	--	--	--	--	--
61-04-20	--	--	--	--	--	--
61-05-23	--	--	--	--	--	--
61-06-26	--	--	--	--	--	--
61-08-23	--	--	--	--	--	--
61-08-30	--	--	--	--	--	--
61-09-21	--	--	--	--	--	--
61-10-26	--	--	--	--	--	--
62-02-21	--	--	--	--	--	--
64-03-12	--	--	--	--	--	--
76-03-08	--	--	--	--	--	--
60-12-14	0	--	--	--	--	--
64-00-00	--	--	--	--	--	--
61-02-16	--	--	--	--	--	--
61-04-20	--	--	--	--	--	--
61-05-23	110	--	--	--	--	0
61-08-23	--	--	--	--	--	--
61-08-30	--	--	--	--	--	--
61-09-21	--	--	--	--	--	--
61-10-26	--	--	--	--	--	--
62-02-21	--	--	--	--	--	--
63-10-24	--	--	--	--	--	--
64-03-12	--	--	--	--	--	--
65-03-29	--	--	--	--	--	--
65-08-12	--	--	--	--	--	--
76-03-08	--	--	--	--	--	--

TABLE 4.--*Chemical analyses of water*--Continued

DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	CODE FOR AGENCY COL-LECTING SAMPLE	CODE FOR AGENCY ANA-LYZING SAMPLE
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	704	704
1400	--	--	--	--	--	704	9801
.0	--	--	--	--	--	704	9801
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	--	--
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	--	--
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	4	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028

TABLE 4.--*Chemical analyses of water*--Continued

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE
022S039E04K05M	36 02 45	117 46 08	01	10-00-00
				61-05-23
022S039E04P01M	36 02 39	117 46 17	01	62-05-07
022S039E07HS1M	36 02 07	117 47 55	01	60-12-14
				64-00-00
023S037E01NS1M	35 57 21	117 56 25	01	76-03-10
023S038E05N01M	35 57 21	117 54 16	01	55-07-13
				60-03-30
023S038E08D01M	35 57 08	117 54 10	01	55-07-15
				72-08-01
				75-11-10
023S038E08D02M	35 57 11	117 54 08	01	75-11-10

TABLE 4.--*Chemical analyses of water*--Continued

TIME	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)
--	410	5600	8300	--	59
--	310	3800	9000	1700	44
--	200	--	--	--	3.0
--	330	44000	28000	--	18
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	55
--	48	--	--	--	49
--	--	--	--	--	67
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--

TABLE 4.--*Chemical analyses of water*--Continued

DATE OF SAMPLE	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
10-00-00	34	81	12	--	0
61-05-23	19	36	9.2	0	0
62-05-07	1.0	19	9.4	49	0
60-12-14	81	14	28	0	0
64-00-00	--	--	--	--	--
76-03-10	--	--	--	--	--
55-07-13	33	168	13	437	0
60-03-30	31	225	12	513	0
55-07-15	39	131	13	516	0
72-08-01	--	--	--	--	--
75-11-10	--	--	--	--	--
75-11-10	--	--	--	--	--

TABLE 4.--*Chemical analyses of water*--Continued

HY-DROX-IDE (OH) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	BROMIDE (BR) (MG/L)	IODIDE (I) (MG/L)
--	--	1400	40	--	--	--
--	0	1300	380	.6	1.8	.00
--	40	13	1.0	.5	--	--
--	0	1400	.0	.9	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	358	83	140	.6	--	--
--	421	93	170	.7	--	--
--	423	87	82	.9	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--

TABLE 4.--*Chemical analyses of water*--Continued

DATE OF SAMPLE	TOTAL NITRATE (NO3) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS_SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS_SOLVED AMMONIA (NH4) (MG/L)
10-00-00	.00	--	--	--	--
61-05-23	.62	--	--	--	--
62-05-07	4.3	--	--	--	--
60-12-14	3.0	--	--	--	--
64-00-00	--	--	--	--	--
76-03-10	--	--	--	--	--
55-07-13	4.5	--	--	--	--
60-03-30	9.3	--	--	--	--
55-07-15	2.3	--	--	--	--
72-08-01	--	--	--	--	--
75-11-10	--	--	--	--	--
75-11-10	--	--	--	--	--

TABLE 4.--*Chemical analyses of water*--Continued

TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED ORTHO PHOS-PHATE (P04) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PERCENT SODIUM
--	M.00	--	--	290	--	37
--	.00	--	2060	140	140	28
--	--	293	271	13	0	64
--	--	2260	1940	380	380	7
--	--	2500	--	--	--	--
--	--	--	--	--	--	--
--	--	750	715	172	0	56
--	--	894	894	250	0	65
--	--	700	--	330	0	45
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--

TABLE 4.--*Chemical analyses of water*--Continued

DATE OF SAMPLE	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	ODOR (THRESHOLD NUMBER)
10-00-00	2.1	--	--	--	--
61-05-23	1.1	3890	1.2	46.1	--
62-05-07	2.4	168	7.4	97.3	--
60-12-14	.3	6440	2.2	96.7	--
64-00-00	--	--	1.5	60.0	--
76-03-10	--	--	6.0	12.2	--
55-07-13	4.4	1120	7.9	--	--
60-03-30	6.2	1420	8.0	--	--
55-07-15	3.1	1070	8.1	--	--
72-08-01	--	1580	--	20.0	--
75-11-10	--	1000	--	20.0	--
75-11-10	--	2100	--	21.5	--

TABLE 4.--*Chemical analyses of water*--Continued

TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED BARIUM (BA) (UG/L)
--	--	--	--	--	--	--
--	--	--	.0	--	0	--
--	--	--	3.1	--	--	--
--	--	--	.0	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	8.8	--	--	--
--	--	--	8.2	--	--	--
--	--	--	6.6	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--
--	--	--	--	--	--	--

TABLE 4.--*Chemical analyses of water*--Continued

DATE OF SAMPLE	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	TOTAL ANTI-MONY IN BOTTOM MA-TERIAL (UG/G)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)
10-00-00	--	--	--	--	--	--
61-05-23	0	--	--	--	--	100
62-05-07	10	--	--	--	--	--
60-12-14	600	--	--	--	--	--
64-00-00	--	--	--	--	--	--
76-03-10	--	--	--	--	--	--
55-07-13	2700	--	--	--	--	--
60-03-30	4000	--	--	--	--	--
55-07-15	2200	--	--	--	--	--
72-08-01	--	--	--	--	--	--
75-11-10	--	--	--	--	--	--
75-11-10	--	--	--	--	--	--

TABLE 4.--*Chemical analyses of water*--Continued

DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED VANA-DIUM (V) (UG/L)	CODE FOR AGENCY COL-LECTING SAMPLE	CODE FOR AGENCY ANA-LYZING SAMPLE
--	--	--	--	--	--	--	--
--	4	--	--	--	--	1028	1028
--	--	--	--	--	--	704	--
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	--	--
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	1028
--	--	--	--	--	--	1028	1028
--	--	--	--	--	--	1028	1028

TABLE 5.--*Well logs*

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-7H3 M. DATE OF COMPLETION 1941, LSD 4145 FT ABOVE MSL. DRILLED BY U.S.BUREAU OF MINES.		
SINTER, DARK-GRAY, WITH PYRITE AND SULFUR	10	10
OPAL AND GRAY SINTER	4.8	14.8
OPAL AND GRAY TO WHITE SINTER	4.7	19.5
SINTER, MUDDY, WHITE, AND OPAL	5.3	24.8
OPAL AND GREEN SINTER	0.7	25.5
22S/39E-7H4 M. DATE OF COMPLETION 1941, LSD 4167 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	7.5	7.5
PUMICE, POWDERY	5	12.5
SINTER, SANDY, BROWN	5	17.5
PUMICE, POWDERY AND SANDY, AND ALLUVIUM	4.5	22
BRECCIA AND PUMICE	5.5	27.5
SINTER	5	32.5
SINTER, GREEN	3.7	36.2
22S/39E-7H5 M. DATE OF COMPLETION 1941, LSD 4172 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	9.5	9.5
ALLUVIUM; VERY HARD BRECCIA ON BOTTOM	5	14.5
22S/39E-7H6 M. DATE OF COMPLETION 1941, LSD 4201 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	5.3	5.3
SINTER, POWDERY, GRAY	4.7	10
SINTER, BLACK TO GRAY	10	20
OPAL	4	24
22S/39E-7H7 M. DATE OF COMPLETION 1941, LSD 4193 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	6.3	6.3
CLAY, WHITE	0.7	7
SINTER, ORANGE	4.5	11.5
SINTER, POWDERY, WHITE	7.5	19
SINTER	5	24
SINTER, RED	5	29
RHYOLITE, ALTERED, POWDERED	5	34
SINTER, BROWN	3	37
22S/39E-7H8 M. DATE OF COMPLETION 1941, LSD 4163 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	5	5
PUMICE, BROWN, AND OBSIDIAN	4.5	9.5
SINTER, RED	2	11.5
SINTER, BRICK-RED	1.5	13
SINTER, BANDED, RED, YELLOW, WHITE, AND BLUE	5	18
SINTER, BROWN	2.5	20.5
SINTER, YELLOW	2	22.5
SINTER, GREEN	4.5	27
SINTER, MIXED COLORED	10	37

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-7H9 M. DATE OF COMPLETION 1941, LSD 4193 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	4.5	4.5
ALLUVIUM AND SINTER	5	9.5
SINTER, WHITE	15	24.5
SINTER, GRAY	9.5	34
22S/39E-7H10 M. DATE OF COMPLETION 1941, LSD 4112 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SAND (IN WASH)	1.5	1.5
OPAL AND RED SINTER	1	2.5
OPAL AND WHITE TO PINK SINTER	5	7.5
SINTER, HARD, WHITE	3.3	10.8
SINTER, WHITE	14.7	25.5
22S/39E-7H11 M. DATE OF COMPLETION 1941, LSD 4155 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND OPAL	3	3
SINTER, SANDY, PINK	3.3	6.3
PUMICE AND BRECCIA	2.2	8.5
BRECCIA	1	9.5
OCHER, YELLOW, AND GRANITE BOULDERS	2	11.5
SINTER, SANDY, YELLOW	1.5	13
OPAL AND WHITE SINTER	5	18
SINTER, RED	10.5	28.5
PUMICE AND RED SINTER	4.7	33.2
SINTER, GRAY	1.3	34.5
SINTER, GREEN, AND PYRITE	5	39.5
22S/39E-7H12 M. DATE OF COMPLETION 1941, LSD 4155 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	3.5	3.5
SINTER, BROWN	2.8	6.3
SINTER, POWDERY, WHITE	5	11.3
OPAL AND WHITE SINTER	10	21.3
OPAL AND GRAY SINTER	4.7	26
SINTER, WHITE	4.5	30.5
22S/39E-7H13 M. DATE OF COMPLETION 1941, LSD 4118 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, RED	5	5
SINTER, PINK	2.5	7.5
SINTER, GRAY	5	12.5
22S/39E-7H14 M. DATE OF COMPLETION 1941, LSD 4160 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	2.5	2.5
BRECCIA	4.5	7
BRECCIA, ALTERED	5	12
SINTER, GRAY	2	14
SINTER, YELLOW	4.5	18.5
SINTER, WHITE	4.5	23
SINTER, GREENISH-GRAY	5.5	28.5

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-7H15 M. DATE OF COMPLETION 1941, LSD 4166 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	4.5	4.5
SINTER, GRAY	3.8	8.3
BRECCIA, ALTERED	5	13.3
SINTER AND OBSIDIAN	2	15.3
SINTER, RED TO PINK	3	18.3
SINTER, PINK	4.5	22.8
SINTER, WHITE	14	36.8
SINTER, GRAY	4.5	41.3
SINTER, GRAY, AND PYRITE	3.5	44.8
22S/39E-7H16 M. DATE OF COMPLETION 1941, LSD 4129 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER	5	5
SINTER, WHITE	5	10
OPAL	0.3	10.3
22S/39E-7H17 M. DATE OF COMPLETION 1941, LSD 4179 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	5	5
SINTER	5	10
SINTER, HARD	10.5	20.5
BRECCIA, HARD	1.5	22
SINTER, PINK	3	25
BRECCIA WITH SERPENTINE	4.5	29.5
BRECCIA AND PUMICE	5	34.5
BRECCIA WITH SERPENTINE	3.5	38
22S/39E-7H18 M. DATE OF COMPLETION 1941, LSD 4174 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	5	5
BRECCIA AND SINTER	5	10
SINTER	8.5	18.5
22S/39E-7H19 M. DATE OF COMPLETION 1941, LSD 4165 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER WITH CINNABAR	4	4
SINTER	12.5	16.5
SINTER, HARD; BOTTOM ON RHYOLITE	3	19.5
22S/39E-7H20 M. DATE OF COMPLETION 1941, LSD 4163 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, WHITE	4	4
SINTER WITH ALLUNITE AND PUMICE	4.5	8.5
SINTER	4.5	13
OPAL	4.5	17.5
SINTER WITH MUCH PYRITE	4.5	22
OPAL WITH PYRITE	2.5	24.5
22S/39E-7H21 M. DATE OF COMPLETION 1941, LSD 4145 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER	19	19

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-7H22 M. DATE OF COMPLETION 1941, LSD 4275 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER	4	4
SINTER, RED	4	8
SINTER, PINK	5.5	13.5
SINTER, HARD, IRON-STAINED	3.5	17
SINTER, SOFT, WHITE, SOME IRON-STAIN	4.3	21.3
SINTER, GRANULAR, BROWN	3.7	25
SINTER, GRANULAR, IRON-STAINED	5	30
SINTER, SOFT, RED	5	35
SINTER, BROWN	3	38
22S/39E-7H23 M. DATE OF COMPLETION 1941, LSD 4194 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER	5	5
SINTER, GRAY	5	10
OPAL	1.7	11.7
22S/39E-7H24 M. DATE OF COMPLETION 1941, LSD 4203 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER AND ALLUVIUM	5	5
SINTER	7.5	12.5
SINTER, WHITE	1.5	14
SINTER, PALE-PINK	2.5	16.5
SINTER, WHITE	5	21.5
SINTER, GRAY	9.5	31
SINTER, GREEN	5	36
SINTER, QUARTZY, WHITE	5	41
SINTER	1	42
22S/39E-7H25 M. DATE OF COMPLETION 1941, LSD 4203 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	2.8	2.8
OPAL AND SINTER	5.2	8
SINTER, CHALKY; BOTTOMED IN OPAL	2.5	10.5
OPAL; BOTTOMED IN RED SINTER	2.5	13
SINTER, WHITE AND PINK	5	18
BRECCIA	11	29
22S/39E-7H26 M. DATE OF COMPLETION 1941, LSD 4206 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER WITH HARD OPAL	4.5	4.5
SINTER, WHITE	4.5	9
SINTER, PINK	5	14
SINTER, WHITE	23.5	37.5
RHYOLITE	0.5	38
22S/39E-7H27 M. DATE OF COMPLETION 1941, LSD 4215 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	3.8	3.8
SINTER, PINK	14.7	18.5
SINTER	4.5	23
BRECCIA, PARTLY ALTERED	5	28
SINTER, WHITE	9.2	37.2

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-7H28 M. DATE OF COMPLETION 1941, LSD 4217 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, PINK	10	10
SINTER, WHITE	5	15
SINTER, PINK	17.7	32.7
22S/39E-7H29 M. DATE OF COMPLETION 1941, LSD 4202 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, WHITE	2.5	2.5
SINTER, SANDY, POROUS, RED	1.8	4.3
SINTER, WHITE	2	6.3
SINTER	5	11.3
SINTER, WHITE	4.7	16
SINTER, GRAY	5	21
SINTER, HARD, AND OPAL	4.3	25.3
22S/39E-7H30 M. DATE OF COMPLETION 1941, LSD 4153 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, BLACK	5	5
SINTER	10	15
OPAL	5	20
SINTER	5	25
OPAL AND SINTER	5	30
SINTER WITH MARCASITE	10	40
22S/39E-7H31 M. DATE OF COMPLETION 1941, LSD 4149 FT ABOVE MSL, NOTE: SOME TESTS WITH COPPER PLATE FOR PRESENCE OF MECURY IN STEAM WERE MADE IN THIS HOLE. MERCURY WAS DEPOSITED ON THE PLATE IN SMALL AMOUNTS. DRILLED BY U.S. BUREAU OF MINES.		
SINTER	5	5
SINTER, BLUE (90 PERCENT SATURATION)	5	10
SINTER, BLUE (MUCH STEAM)	9	19
SINTER, GRAY (MUCH STEAM)	1.5	20.5
22S/39E-7H32 M. DATE OF COMPLETION 1941, LSD 4161 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
OPAL	5	5
SINTER; BOTTOM ON HARD OPAL	6.5	11.5
22S/39E-7H33 M. DATE OF COMPLETION 1941, LSD 4200 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, BROWN AND WHITE	5	5
OPAL	1	6
OPAL AND WHITE SINTER	5.5	11.5
SINTER, WHITE	5	16.5
SINTER, WHITE, AND HARD OPAL	2.5	19
22S/39E-7H34 M. DATE OF COMPLETION 1941, LSD 4231 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	3	3
SINTER, GRAY	5.3	8.3
SINTER, WHITE	26	34.3
SINTER, FLINTY	2.7	37

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-7H35 M. LSD 4209 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, WHITE	5	5
SINTER, WHITE, AND OPAL	8.8	13.8
22S/39E-7H36 M. DATE OF COMPLETION 1941, LSD 4244 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, WHITE	10	10
SINTER, WHITE (MUCH HEAT)	5.5	15.5
SINTER, WHITE; ABUNDANT PYRITE	4.5	20
SERPENTINE	5.5	25.5
22S/39E-7H37 M. LSD 4140 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, WHITE	3.5	3.5
SINTER, BLUE-GRAY (WET AND HOT)	15.5	19
SINTER, BLUE-GRAY; GREEN ON BOTTOM	3	22
22S/39E-7H38 M. DATE OF COMPLETION 1941, LSD 4239 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER	1.8	1.8
OPAL	3.7	5.5
OPAL, HARD, WHITE	5	10.5
OPAL, PINK, AND WHITE SINTER	2.5	13
22S/39E-7H39 M. DATE OF COMPLETION 1941, LSD 4203 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, PINK	11	11
SINTER, WHITE	5	16
SINTER, GRAY	3.5	19.5
22S/39E-7H40 M. DATE OF COMPLETION 1941, LSD 4202 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, PINK	10	10
SINTER, BLACK	5	15
SINTER, GRAY	5	20
SINTER, BLUE	4.5	24.5
SINTER, BLUE (TEMPERATURE 200 DEGREES FAHRENHEIT)	5.5	30
SINTER, GRAY-GREEN	2	32
22S/39E-7H41 M. DATE OF COMPLETION 1941, LSD 4208 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, BLACK	5	5
SINTER, WET AND HOT, BLUE-GRAY	5	10
SINTER, WET AND HOT, GRAY-GREEN	2.8	12.8

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-7H42 M. DATE OF COMPLETION 1941, LSD 4257 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, BROWN	5.5	5.5
BRECCIA	4.5	10
SINTER, MULTICOLORED	5	15
SINTER, VIOLET	5	20
SINTER, VARICOLORED	4.5	24.5
SINTER, GRAY, AND BRECCIA	3	27.5
SINTER, GRAY TO WHITE	2.5	30
SINTER, GRAY; SOME IRON STAINS	1.5	31.5
SINTER, GRAY AND BLACK	1.5	33
SINTER, LIGHT-GRAY, AND PYRITE	3	36
22S/39E-7H43 M. DATE OF COMPLETION 1941, LSD 4270 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, RED	5	5
SINTER, GRAY TO WHITE	5	10
SINTER, YELLOW TO GRAY	5	15
SINTER, YELLOW	5	20
SINTER, GRAY TO RED	5	25
SINTER, WHITE, AND OPAL	3	28
22S/39E-7H44 M. DATE OF COMPLETION 1941, LSD 4263 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, YELLOW	15	15
SINTER, YELLOW, AND OPAL	5	20
SINTER, GRAY, AND PYRITE	5	25
22S/39E-7H45 M. DATE OF COMPLETION 1941, LSD 4270 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	4	4
SINTER	5.5	9.5
SINTER, HARD, PINK	5	14.5
SINTER	6	20.5
SINTER, HARD, AND OPAL WITH SPOTS OF PRECIOUS CINNABAR	4.8	25.3
SINTER, HARD	5	30.3
SINTER	2	32.3
22S/39E-7H46 M. DATE OF COMPLETION 1941, LSD 4201 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, RED	4.3	4.3
SINTER, RED AND GRAY	5	9.3
SINTER, GRAY; OCCASIONAL IRON STAIN	5	14.3
SINTER, RED, AND OPAL	1.7	16
22S/39E-7H47 M. DATE OF COMPLETION 1941, LSD 4290 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, WHITE	5	5
SINTER, GRAY; OPAL	5	10
SINTER, WHITE	5	15
SINTER, HARD, WHITE, AND OPAL	5	20
SINTER, HARD, GRAY, AND OPAL	5	25
SINTER, GRAY, WITH PYRITE	5	30

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-7H48 M. DATE OF COMPLETION 1941, LSD 4316 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, RED	5	5
SINTER, VERY HARD, WHITE, AND OPAL	9.8	14.8
22S/39E-7H49 M. DATE OF COMPLETION 1941, LSD 4297 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	4.5	4.5
SINTER, RED	7.5	12
SINTER	9.5	21.5
22S/39E-7H50 M. DATE OF COMPLETION 1941, LSD 4351 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER	2	2
OPAL	5	7
SINTER, HARD	3	10
OPAL	3	13
SINTER, HARD	7	20
22S/39E-7H51 M. DATE OF COMPLETION 1941, LSD 4315 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER	5	5
SINTER, WHITE	10	15
SINTER (MUCH STEAM)	5	20
SINTER, WHITE	9	29
22S/39E-7H52 M. DATE OF COMPLETION 1941, LSD 4279 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER	20	20
22S/39E-7H53 M. DATE OF COMPLETION 1941, LSD 4283 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER; SULPHUR	3.5	3.5
SINTER, WHITE; SULPHUR AND PUMICE	3.5	7
RHYOLITE, BRECCIATED, ALTERED	5	12
22S/39E-7H54 M. DATE OF COMPLETION 1941, LSD 4189 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	4	4
BRECCIA	12	16
SINTER, WHITE	9	25
SINTER, BROWN	8.5	33.5
SINTER, GREEN	6	39.5

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-7J1 M. DATE OF COMPLETION 1941, LSD 4397 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	3	3
ALLUVIUM AND SINTER	10	13
ALLUVIUM AND GRANITE BOULDERS	1	14
SINTER	4.5	18.5
SINTER, BRECCIATED	5	23.5
SINTER AND SULPHUR	1	24.5
SINTER	4.8	29.3
SINTER, WHITE	4.2	33.5
SINTER, GRANULAR, GRAY	0.3	33.8
SERPENTINE	8.7	42.5
22S/39E-7J2 M. DATE OF COMPLETION 1941, LSD 4360 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
SINTER, BLACK	5	5
SINTER, HARD, GRAY	5	10
SINTER, HARD	3	13
22S/39E-7J3 M. DATE OF COMPLETION 1941, LSD 4347 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
SINTER, SOFT, WITH SULPHUR	3	3
SULPHUR WITH A LITTLE SINTER	4.5	7.5
SINTER WITH ALUNITE AND OPAL. HYDROGEN SULFIDE GAS ODOR STRONG IN SAMPLE	4	11.5
SINTER, HARD, WHITE	3.5	15
SINTER, HARD, GRAY-WHITE	4.5	19.5
SINTER; HEAVY HYDROGEN SULFIDE AND SULPHUR DIOXIDE	5	24.5
SINTER, HARD, GRAY	3.8	28.3
22S/39E-7J4 M. DATE OF COMPLETION 1941, LSD 4341 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
SINTER, MIXED COLORS	5	5
SINTER, WHITE	10	15
SINTER, WHITE, AND OPAL	2.8	17.8
22S/39E-7J5 M. DATE OF COMPLETION 1941, LSD 4385 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
SINTER	14.5	14.5
SINTER, GRAY	5	19.5
SINTER, VERY HOT: HOLE GASSY	4.5	24
SINTER, HARD, WET	4.3	28.3
22S/39E-7J6 M. DATE OF COMPLETION 1941, LSD 4342 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	10	10
SINTER AND ALLUVIUM	3	13
BRECCIA, ALTERED	5	18
BRECCIA, ALTERED, GREEN	5	23
SERPENTINE AND BRECCIA	5	28
SERPENTINE AND ALTERED RHYOLITE	4	32
SERPENTINE; PYRITE	5	37

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-7J7 M. DATE OF COMPLETION 1941, LSD 4335 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	5.5	5.5
PUMICE	5	10.5
PUMICE AND ALLUVIUM	5	15.5
SINTER AND SERPENTINE	5	20.5
SERPENTINE	4.5	25
22S/39E-7J8 M. DATE OF COMPLETION 1941, LSD 4336 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	10	10
ALLUVIUM AND SINTER WITH PUMICE	3.5	13.5
SINTER, GRAY	5.5	19
SINTER AND SERPENTINE	5.5	24.5
SERPENTINE	5	29.5
SERPENTINE WITH MUCH PYRITE	4.5	34
SERPENTINE AND PUMICE	5	39
SERPENTINE, ALUNITE, AND PUMICE: TRACES OF CHALCOPYRITE	4.5	43.5
22S/39E-7J9 M. DATE OF COMPLETION 1941, LSD 4340 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	5	5
SINTER, BROWN	5	10
SINTER	5	15
SERPENTINE	5	20
22S/39E-7J10 M. DATE OF COMPLETION 1941, LSD 4337 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	15	15
ALLUVIUM AND SINTER	5	20
SERPENTINE	2.5	22.5
22S/39E-8B1 M. DATE OF COMPLETION 1941, LSD 3945 FT ABOVE MSL. HOLE ABANDONED BECAUSE OF WATER. DRILLED BY U.S. BUREAU OF MINES.		
SINTER AND ALLUVIUM	8	8
HEMATITE IN CLAY	2	10
SINTER, CLAYLIKE	5	15
SINTER	5	20
SINTER, STICKY TO PLASTIC	5	25
CLAY, PLASTIC, GRAY (TEMPERATURE 178 DEGREES FAHRENHEIT)	5	30
SINTER, PLASTIC, CLAYLIKE (TEMPERATURE 200 DEGREES FAHRENHEIT	4.3	34.3
SINTER, PLASTIC, CLAYLIKE	5	39.3
SINTER, PLASTIC, CLAYLIKE, GRITTY	5	44.3
CLAY AND PYRITE	1	45.3
CLAY, WET AND BOILING	2.2	47.5

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-882 M. DATE OF COMPLETION 1941, LSD 3943 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
SINTER, IRON-STAINED	3	3
RHYOLITE, ALTERED, MIXED WITH OBSIDIAN AND OPAL	1	4
CLAY, PINK	0.8	4.8
CLAY, IRON-STAINED; SOME OPAL	5.2	10
RHYOLITE, ALTERED	5.5	15.5
RHYOLITE, SOFT, ALTERED	5	20.5
SINTER, RED AND WHITE	4.5	25
HEMATITE AND SINTER (MULTICOLORED WHEN FRESH)	5	30
RHYOLITE, ALTERED, SOFT, VARICOLORED	5	35
RHYOLITE, ALTERED, CLAYLIKE, WITH SOME SERPENTINE	2.5	37.5
SERPENTINE	4.5	42
SERPENTINE, HARDER	2.5	44.5
GRANITE, ALTERED, QUITE HARD	1	45.5
22S/39E-883 M. DATE OF COMPLETION 1941, LSD 3991 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	4	4
GRANITE, ALTERED	8	12
GRANITE, ALTERED; SCHISTOSE WITH MICA PREDOMINANT; ABUNDANT PYRITE	2	14
22S/39E-884 M. DATE OF COMPLETION 1941, LSD 3952 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
SINTER, CLAYLIKE	15	15
SINTER, CLAYLIKE, GRITTY	5	20
SCHISTOSE; ALTERED GRANITE WITH PREDOMINANT MICA	4.5	24.5
22S/39E-885 M. DATE OF COMPLETION 1941, LSD 3994 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
SINTER, SOFT	5	5
GRANITE, ALTERED	7.5	12.5
22S/39E-886 M. DATE OF COMPLETION 1941, LSD 3973 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	2.5	2.5
SINTER, RED	5	7.5
SINTER, DRY, DUSTY	9.5	17
22S/39E-887 M. DATE OF COMPLETION 1941, LSD 3961 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
DUMP MATERIAL; NOT SAMPLED	6.5	6.5
SINTER, SANDY, WITH MUCH OBSIDIAN	4.5	11
SINTER, HARD	7.1	18.1

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-8B8 M. DATE OF COMPLETION 1941, LSD 3979 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER AND ALLUVIUM, MIXED	5.5	5.5
ALLUVIUM, ALTERED, AND SINTER	5	10.5
GRANITE, ALTERED	10	20.5
SINTER AND SERPENTINE	5.3	25.8
CLAY	5	30.8
SCHIST, DECOMPOSED, FINE-GRAINED	5	35.8
GRANITE, ALTERED	5	40.8
SINTER, SANDY, BLUE-GRAY	2	42.8
22S/39E-8C1 M. DATE OF COMPLETION 1941, LSD 3963 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER (STEAMY)	4	4
SINTER, PINK	2	6
SINTER, WHITE AND BROWN	2	8
SINTER, GRAY TO RED	2	10
SINTER, WHITE TO RED	1	11
SINTER, CLAYLIKE, WET AND HOT, WHITE	5.5	16.5
SINTER, CLAYLIKE, WET AND HOT, GRAY-WHITE	15.5	32
SINTER, HARD, GRAY	4.5	36.5
22S/39E-8C2 M. DATE OF COMPLETION 1941, LSD 3958 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, SALMON-COLORED	4.3	4.3
BRECCIA, VERY HARD	1	5.3
SINTER, BRECCIATED, HARD, IRON-STAINED	1.7	7
BRECCIA	3.5	10.5
SINTER, WHITE	8	18.5
SINTER, CLAYLIKE	5	23.5
SINTER, CLAYLIKE (VERY HOT, ABOUT 220 DEGREES FAHRENHEIT. SATURATION 80 PERCENT)	4	27.5
CLAY, BLUE	10	37.5
CLAY, WHITE	4.8	42.3
CLAY	10	52.3
CLAY (MATERIAL BOILING VIGOROUSLY)	5	57.3
SERPENTINE AND CLAY (SATURATION 100 PERCENT)	3.7	61
SERPENTINE AND CLAY	5	66
SERPENTINE	5	71
22S/39E-8C3 M. DATE OF COMPLETION 1941, LSD 3969 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	4	4
SINTER, GRAY	5	9
SINTER, SOFT, WHITE	10	19
SINTER, WHITE	6	25
SINTER, RED	5	30
SINTER, PINK	5	35
SINTER	5	40
SINTER, HARD	4.7	44.7

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-8C4 M. DATE OF COMPLETION 1941, LSD 3996 FT ABOVE MSL, NOTE: DEFINITE FAULT CUT AT 64.5 FEET. OUTCROPS ON SURFACE ABOUT 100 FEET TO NORTHEAST. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	5	5
SINTER	13	18
SINTER, IRON-STAINED	5.5	23.5
SINTER	5	28.5
SINTER, REDDISH-BROWN	4.8	33.3
SINTER, RED	28.7	62
SINTER, PINK; PUMICE PREDOMINANT	3	65
SINTER	3.5	68.5
22S/39E-8C5 M. DATE OF COMPLETION 1941, LSD 3997 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
SINTER AND SOIL, MIXED	3.5	3.5
CLAY, IRON-STAINED, AND OPAL	4.8	8.3
SINTER	4.2	12.5
SINTER, SILICEOUS, SALMON	4.7	17.2
SINTER, PINK	4.8	22
SINTER	5	27
SINTER, HOT	5	32
SINTER, SANDY, BROWN	5	37
SINTER, PINK TO RED, WITH OPAL	5.5	42.5
RHYOLITE, ALTERED	4.5	47
SINTER, WHITE	3.5	50.5
SINTER, SALMON	3.5	54
HEMATITE AND GRAY SINTER	4	58
SINTER, BRICK-RED; HEMATITE	3	61
CLAY, BUFF	3.5	64.5
CLAY, IRON-STAINED, WITH SINTER	3.5	68
CLAY AND APPLITE FRAGMENTS	4.5	72.5
HEMATITE, WET AND STEAMY	2.5	75
GRANITE, DECOMPOSED, WITH BOULDERS OF SINTER (LOOKS LIKE FRESH MIXED CONCRETE. TEMPERATURE 195 DEGREES FAHRENHEIT)	4	79
GRANITE, SINTER, AND IRON OXIDES (SOUPY SAMPLE; WATER FLOW ABUNDANT)	1	80
22S/39E-8C6 M. DATE OF COMPLETION 1941, LSD 3965 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM, ALTERED	1	1
CLAY	4.5	5.5
OPAL, HARD	0.3	5.8
OPAL AND CLAY	4.7	10.5
CLAY, PLASTIC, VERY HOT	5	15.5
CLAY, PLASTIC TO STICKY, WHITE	4.5	20
OPAL WITH IRON OXIDE	2	22
CLAY, MUDDY	5.3	27.3
CLAY, STICKY, WET; BOTTOM ON HARD ROCK WITH ABUNDANT WATER	5	32.3
22S/39E-8C7 M. DATE OF COMPLETION 1941, LSD 3965 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	1.5	1.5
SINTER, PLASTIC, WHITE WITH RED STREAKS	3	4.5
SINTER, SANDY, PINK; CINNABAR	1	5.5
SINTER, SANDY, GRAY	2.5	8
SINTER, LIGHT-GRAY	1.5	9.5
SINTER, WHITE	2	11.5
CLAY, PLASTIC, WHITE	2	13.5
CLAY, PLASTIC, GRAY-WHITE, WITH PYRITE	11.3	24.8
SINTER, GRAY, AND PYRITE; HARD AT BOTTOM	1.7	26.5

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-8C8 M. DATE OF COMPLETION 1941, LSD 3975 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
SINTER	5	5
SINTER, WHITE, AND HEMATITE	4	9
SINTER, WHITE; VERY HOT	5	14
MUD, STICKY, WHITE	5	19
CLAY	1	20
MUD, PASTY	5	25
GRANITE, DECOMPOSED; BOTTOM ON HARD GRANITE	1	26
22S/39E-8C9 M. DATE OF COMPLETION 1941, LSD 3965 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
SOIL (NOT SAMPLED)	1	1
ALLUVIUM, ALTERED	4.3	5.3
SINTER	7.7	13
SINTER, CLAYLIKE	5	18
CLAY AND OPAL; VERY HOT	5	23
CLAY, PLASTIC, WHITE; WET. HOLE BOTTOM ON HARD ROCK	3	26
22S/39E-8C10 M. DATE OF COMPLETION 1941, LSD 3970 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
SINTER AND ALLUVIUM	6.5	6.5
SINTER, PINK	5	11.5
SINTER, WHITE	11.5	23
SINTER, WET, WHITE	13.5	36.5
22S/39E-8C11 M. DATE OF COMPLETION 1941, LSD 3978 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
SOIL (NOT SAMPLED)	2	2
SINTER	8.8	10.8
CLAY, GRITTY, AND OBSIDIAN	5.2	16
CLAY, GRITTY	3	19
CLAY, IRON-STAINED	5.5	24.5
CLAY	4.7	29.2
CLAY, PLASTIC, WHITE	5.3	34.5
GRANITE, DECOMPOSED, AND OPAL	4.5	39
CLAY; ALTERED GRANITE	5	44
GRANITE, DECOMPOSED; HOLE BOTTOMED ON HARD ROCK	0.3	44.3
22S/39E-8C12 M. DATE OF COMPLETION 1941, LSD 3979 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	5	5
SINTER	10	15
SINTER; PUMICE; HEMATITE	5	20
SINTER, PINK	9.5	29.5
SINTER, YELLOW	5	34.5
SERPENTINE	4	38.5

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-8C13 M. DATE OF COMPLETION 1941, LSD 3981 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	5	5
SINTER, GRAY	5	10
OPAL, BARREN, PINK	5	15
SINTER, BARREN, PINK	4.5	19.5
SINTER, SANDY, BROWN	1.5	21
SINTER, SANDY, WHITE	2	23
SINTER, BROWN	3	26
SINTER, GRAY	7	33
SINTER, GREEN	4	37
SINTER, YELLOW	5	42
SINTER, GREEN	4.5	46.5
SINTER, GREEN AND BLACK	9.5	56
22S/39E-8C14 M. DATE OF COMPLETION 1941, LSD 3992 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	5	5
ALLUVIUM AND SINTER	3.5	8.5
SINTER	10	18.5
SINTER WITH HEAVY IRON STAIN	1	19.5
SINTER, PINK	3	22.5
SINTER, GRAY	1	23.5
SINTER, WHITE	5	28.5
RHYOLITE, ALTERED, AND GOUGE	5	33.5
SINTER, PINK	5	38.5
SINTER, PINK AND GRAY	5	43.5
SINTER, GRAY	5	48.5
CLAY, PLASTIC, WITH RED, GRAY AND BROWN SPOTS	4.8	53.3
SINTER, GRAY	5.2	58.5
SINTER, GREEN	10	68.5
22S/39E-8C15 M. DATE OF COMPLETION 1941, LSD 3974 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
NO RECORD	2	2
SINTER, BROWN	4	6
SINTER	5	11
SINTER, POWDERY	3.5	14.5
SINTER, HARD, GRITTY, GRAY AND BROWN	4.5	19
SINTER, RED, WITH OBSIDIAN	5	24
SINTER, BRIGHT-RED	4.5	28.5
SINTER, CLAYLIKE, HOT, RED	5.3	33.8
SINTER, PLASTIC, SLIGHTLY GRITTY, RED AND GRAY	5.7	39.5
RHYOLITE, ALTERED, WITH HEMATITE	5	44.5
HEMATITE, STEAMY	5	49.5
SCHISTOSE MATERIAL CARRYING SPOTS OF CHRYSOCOLA AND MALACHITE. MATRIX IS DEEP PURPLISH-RED	1	50.5
SCHISTOSE MATERIAL WITH MUCH HEMATITE; TRACES OF CHRYSOCOLA AND SOME PYRITE (HEAVY WATER FLOW)	5	55.5
SCHIST, COPPER-STAINED, WITH PYRITE AND HEMATITE	5	60.5
SERPENTINE	7.5	68
22S/39E-8C16 M. DATE OF COMPLETION 1941, LSD 3967 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	5	5
SINTER, GRAY	5	10
SINTER, PINK; BOTTOM ON HARD BRECCIA	5	15

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-8C17 M. DATE OF COMPLETION 1941, LSD 3968 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	4	4
BRECCIA, ALTERED	4.5	8.5
SINTER	3	11.5
BRECCIA	1.3	12.8
SINTER: HEMATITE	2.2	15
SINTER, WHITE	4.5	19.5
SINTER, HARD	5	24.5
SINTER	10	34.5
SINTER, WET, WHITE	16	50.5
MUD, SOUPY	4	54.5
MUD, RED	11	65.5
22S/39E-8C18 M. DATE OF COMPLETION 1941, LSD 3958 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	3.5	3.5
CLAY	8.5	12
CLAY; VERY HOT AND STEAMY	5	17
CLAY	5	22
SINTER; VERY HOT; STEAM INTERFERED WITH DRILLING	4.5	26.5
SINTER, HARD; BOTTOM ON HARD ROCK. SAMPLE TEMPERATURE 220 DEGREES FAHRENHEIT	1	27.5
22S/39E-8C21 M. DATE OF COMPLETION 1941, LSD 3970 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER	14	14
SINTER, WHITE	5	19
SINTER, PINK	5	24
SINTER AND SERPENTINE	5	29
SINTER, GRAY	5	34
SERPENTINE	0.5	34.5
22S/39E-8C22 M. DATE OF COMPLETION 1941, LSD 3979 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM, ALTERED	5	5
SINTER	5	10
SINTER, HARD	1.3	11.3
SINTER	3.7	15
SINTER, RED	5	20
SINTER, WHITE	5	25
SINTER, HARD	5	30
SINTER, GRAY	8.5	38.5
SINTER, HARD	4.5	43
22S/39E-8C23 M. DATE OF COMPLETION 1941, LSD 3967 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
OPAL, VERY HARD	7.8	7.8
OPAL, WHITE	1.2	9
OPAL, HARD	4	13
SINTER, BLUISH-GRAY	5	18
SINTER, STICKY, STEAMY, HOT	4.5	22.5
SINTER, STICKY, HOT, BLUISH	5	27.5
SINTER, LIGHT-GRAY	4.8	32.3
SINTER, BLUISH-GRAY, WITH PYRITE	5	37.3
SINTER, WET, GRAY-WHITE	5	42.3
SINTER, STEAMY, BLUISH-GRAY	4.7	47
SINTER, MUDDY, BOILING. GREEN SERPETINE ON BOTTOM	3.5	50.5
MUD, SOUPY, GREEN	1	51.5

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-8C24 M. DATE OF COMPLETION 1941, LSD 3984 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	5.3	5.3
ALLUVIUM AND SINTER	5	10.3
SINTER, YELLOW	3	13.3
SINTER, GRAY	5	18.3
SINTER, BUFF	9.7	28
SINTER, GRAY	4.8	32.8
SINTER, BUFF, AND PUMICE	1	33.8
22S/39E-8C25 M. DATE OF COMPLETION 1941, LSD 3992 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	9.8	9.8
SINTER, GRAY	4.7	14.5
SINTER, BROWN	10.8	25.3
SINTER, GRAY	9.5	34.8
SINTER, HARD, BROWN	2.2	37
SINTER, HARD, WITH HEMATITE AND PYRITE	1	38
OPAL AND BROWN SINTER, VERY HARD	1.8	39.8
22S/39E-8C26 M. DATE OF COMPLETION 1941, LSD 4000 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	4	4
SINTER	4.5	8.5
APLITE, VERY HARD	0.5	9
22S/39E-8C27 M. DATE OF COMPLETION 1941, LSD 4032 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	5.5	5.5
SINTER	2.5	8
SINTER, DRY, DUSTY	5	13
SINTER, HARD	2	15
22S/39E-8C28 M. DATE OF COMPLETION 1941, LSD 3973 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	5	5
SINTER	3	8
SINTER, PINK, WITH SOME OPAL AND PUMICE	5	13
SINTER, WHITE TO PINK	5	18
SINTER SPOTTED WITH RED	2	20
SINTER, RED, WITH MUCH OPAL	3.5	23.5
SINTER, SOFT	4.5	28
22S/39E-8C29 M. DATE OF COMPLETION 1941, LSD 3976 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER	5	5
SINTER, WHITE	15	20
SINTER, WHITE WITH BROWN STREAKS	5	25
SINTER, GREEN, WITH SERPENTINE	5	30
SERPENTINE; PYRITE	5	35

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-8C30 M. DATE OF COMPLETION 1941, LSD 3982 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER AND ALLUVIUM	2	2
SINTER, WHITE	30	32
SINTER, GRAY	6	38
SINTER, GRAY-GREEN	15	53
22S/39E-8C31 M. DATE OF COMPLETION 1941, LSD 3974 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	5	5
ALLUVIUM AND BRECCIA	5	10
SINTER, WHITE	5	15
SINTER, PINK	5	20
BRECCIA AND SINTER	1.5	21.5
SINTER, WHITE	4.5	26
SINTER	5	31
SINTER, GRAY-WHITE	5	36
22S/39E-8C32 M. DATE OF COMPLETION 1941, LSD 3980 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	5	5
ALLUVIUM AND SINTER	10	15
ALLUVIUM, SINTER, AND PUMICE	5	20
SINTER, PINK	10	30
BRECCIATED MATERIAL CARRYING SINTER	2.5	32.5
SINTER, RED; CINNABAR	2.5	35
BRECCIA	2	37
SINTER, GREEN	8	45
22S/39E-8C33 M. DATE OF COMPLETION 1941, LSD 3975 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	5	5
ALLUVIUM WITH GRANITE BOULDERS	5.5	10.5
PUMICE AND OBSIDIAN	4.5	15
PUMICE	5	20
PUMICE AND SINTER	5	25
SINTER	3.5	28.5
SINTER; HEMATITE	5	33.5
SINTER	5	38.5
SINTER WITH SERPENTINE	1.5	40
22S/39E-8C34 M. DATE OF COMPLETION 1941, LSD 3981 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	10	10
SINTER, BROWN	3	13
SINTER, WHITE TO GRAY	9.3	22.3
SINTER AND PUMICE	10.7	33
SINTER, RED	5	38

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-8C35 M. DATE OF COMPLETION 1941, LSD 3988 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	10	10
BRECCIA, HARD	0.5	10.5
SINTER	5	15.5
SINTER AND PUMICE	5.5	21
SINTER, PUMICE, AND OBSIDIAN	15.5	36.5
OBSIDIAN AND PUMICE	3.5	40
SINTER, DARK-GREEN	19.5	59.5
22S/39E-8C36 M. DATE OF COMPLETION 1941, LSD 4001 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	9.5	9.5
SINTER, PINK	5	14.5
SINTER, POWDERY, GRAY	5	19.5
SINTER, POWDERY, GRAY; ABUNDANT OBSIDIAN	5	24.5
22S/39E-8C37 M. DATE OF COMPLETION 1941, LSD 3984 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	5.3	5.3
SINTER, RED	2	7.3
APLITE; QUARTZ PREDOMINANT	1.5	8.8
SINTER, WHITE	13.5	22.3
SINTER, GREEN	7	29.3
22S/39E-8C38 M. DATE OF COMPLETION 1941, LSD 4004 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER AND ALLUVIUM	5	5
SINTER, WHITE	19.5	24.5
SINTER, GRAY	2.5	27
SINTER, GREEN	4.7	31.7
22S/39E-8C39 M. DATE OF COMPLETION 1941, LSD 3986 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	10	10
SINTER	15	25
SINTER, SANDY, GREENISH	10	35
BRECCIA, SOFT, GREENISH-YELLOW	8	43
SINTER, CANARY-YELLOW	4.5	47.5
SINTER, YELLOW	8.5	56
SINTER, GREEN	2.5	58.5
22S/39E-8C40 M. DATE OF COMPLETION 1941, LSD 3990 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	4.5	4.5
SINTER, GRAY	3	7.5
SINTER, SALMON	5	12.5
SINTER, PINK	4	16.5
SINTER, VIOLET TO PINK	2.5	19
SINTER, MEALY, WHITE	9.5	28.5
SINTER, WHITE	5	33.5
SINTER, GRAY	4	37.5

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-8E1 M. DATE OF COMPLETION 1941, LSD 4221 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	5	5
SINTER WITH OBSIDIAN AND PUMICE	1.5	6.5
SINTER, HARD	9.5	16
SINTER AND SULPHUR	2	18
SINTER, WHITE	2	20
SINTER, GRAY	1	21
SINTER, PINK	1.5	22.5
PUMICE, ALTERED	3.5	26
SINTER	13	39
22S/39E-8E2 M. DATE OF COMPLETION 1941, LSD 4286 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
SINTER	15	15
SINTER, BROWN	5	20
SINTER, SOFT	4.8	24.8
SINTER	1.7	26.5
OPAL	1.5	28
22S/39E-8E3 M. DATE OF COMPLETION 1941, LSD 4302 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
SINTER, WHITE AND PINK	5	5
SINTER, WHITE	15	20
OPAL AND WHITE SINTER	2	22
22S/39E-8E4 M. DATE OF COMPLETION 1941, LSD 4285 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
SINTER, SANDY	2.5	2.5
SINTER, RED	1	3.5
SINTER, GRAY, AND PUMICE	4.5	8
SINTER, GRAY	5	13
SINTER, GRAY TO WHITE, WITH PYRITE	2.5	15.5
SINTER, GREEN, AND PYRITE	3	18.5
22S/39E-8E5 M. DATE OF COMPLETION 1941, LSD 4291 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	1.5	1.5
CLAY, YELLOW	3	4.5
CLAY, AMBER	1	5.5
SINTER, BROWN TO PURPLE	4.5	10
SINTER, HOT, PURPLE	1	11
SINTER, GRAY	2.5	13.5
SINTER, GRAY TO WHITE	1	14.5
SINTER, GRAY TO GREEN, WITH PYRITE	3	17.5
SINTER, GREEN; ABUNDANT PYRITE	3	20.5
22S/39E-8E6 M. DATE OF COMPLETION 1941, LSD 4322 FT ABOVE MSL. DRILLED BY U.S. BUREAU OF MINES.		
SINTER, PINK	15	15
SINTER, WHITE	9.5	24.5
RHYOLITE, ALTERED	5	29.5
RHYOLITE, ALTERED: MUCH HEAT	10.5	40

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-8E7 M. DATE OF COMPLETION 1941, LSD 4305 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, GRAY	15.2	15.2
SINTER, GREEN	5	20.2
SINTER, GREEN; ABUNDANT PYRITE	2	22.2
22S/39E-8E8 M. DATE OF COMPLETION 1941, LSD 4301 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	2.5	2.5
SINTER, MUDDY	1	3.5
SINTER, YELLOW AND BROWN	1	4.5
CLAY, PLASTIC, BLUE	3.5	8
CLAY, PLASTIC, GREEN AND GRAY	1	9
SINTER, GREEN; ABUNDANT PYRITE	5	14
22S/39E-8E9 M. DATE OF COMPLETION 1941, LSD 4323 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, HARD, PINK	10	10
SINTER, VARICOLORED	5	15
SINTER, CREAM	5	20
SINTER, HARD, WHITE	3	23
22S/39E-8M1 M. DATE OF COMPLETION 1941, LSD 4318 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER, RED, AND SULPHUR	1.5	1.5
SINTER, GRAY	11.5	13
22S/39E-8M2 M. DATE OF COMPLETION 1941, LSD 4345 FT ABOVE MSL, DRILLED BY U.S. BUREAU OF MINES.		
SINTER	5	5
SINTER, WHITE, WITH RED STREAKS	3.5	8.5
SINTER, IRON-STAINED, WITH HARD LUMPS OF OPAL	5.5	14
SINTER, WHITE	3	17
SINTER, WHITE, WITH STREAKS OF PINK	5	22
SINTER, WHITE, WITH STREAKS OF GRAY	5	27
SINTER, WHITE	5	32
SINTER, WHITE, WITH SOME HARD OPAL	5.5	37.5
SINTER, HARD, HOT, WHITE	2	39.5
RHYOLITE, ALTERED, WITH IRON PYRITE	6.5	46
22S/39E-16G2 M. DATE OF COMPLETION 1941, LSD 3651 FT ABOVE MSL, 6-INCH UNCASED HOLE. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND GREEN SINTER	3	3
CLAY, GREEN	2	5
CLAY, RED	2	7
SINTER, RED, AND OPAL	1.5	8.5
22S/39E-16G3 M. DATE OF COMPLETION 1941, LSD 3647 FT ABOVE MSL, 6-INCH UNCASED HOLE. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	6.8	6.8
OPAL AND GRAY SINTER	0.5	7.3

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-16G4 M. DATE OF COMPLETION 1941, LSD 3646 FT ABOVE MSL, 6-INCH UNCASED HOLE. DRILLED BY U.S. BUREAU OF MINES.		
SINTER, GRAY	4	4
SINTER, RED, AND OPAL	1.5	5.5
SINTER, RED	5	10.5
SINTER, GREEN	5.5	16
22S/39E-16G5 M. DATE OF COMPLETION 1941, LSD 3651 FT ABOVE MSL, 6-INCH UNCASED HOLE. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM	5	5
SINTER, GRANULAR	5	10
22S/39E-16G6 M. DATE OF COMPLETION 1941, LSD 3640 FT ABOVE MSL, 6-INCH UNCASED HOLE. DRILLED BY U.S. BUREAU OF MINES.		
SINTER, CLAYLIKE, RED	5	5
SINTER, GREEN	3	8
22S/39E-16G7 M. DATE OF COMPLETION 1941, LSD 3649 FT ABOVE MSL, 6-INCH UNCASED HOLE. DRILLED BY U.S. BUREAU OF MINES.		
CLAY, BROWN	2	2
SINTER, GREEN	5.5	7.5
22S/39E-16G8 M. DATE OF COMPLETION 1941, LSD 3640 FT ABOVE MSL, 6-INCH UNCASED HOLE. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	4	4
SINTER	3.5	7.5
22S/39E-16G9 M. DATE OF COMPLETION 1941, LSD 3645 FT ABOVE MSL, 6-INCH UNCASED HOLE. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	5	5
SINTER	5	10
22S/39E-16G10 . DATE OF COMPLETION 1941, LSD 3640 FT ABOVE MSL, 6-INCH UNCASED HOLE. DRILLED BY U.S. BUREAU OF MINES.		
SINTER	2	2
SINTER, GREEN	3.5	5.5
22S/39E-16G11 . DATE OF COMPLETION 1941, LSD 3642 FT ABOVE MSL, 6-INCH UNCASED HOLE. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND GREEN SINTER	4	4
22S/39E-16G12 . DATE OF COMPLETION 1941, LSD 3655 FT ABOVE MSL, 6-INCH UNCASED HOLE. DRILLED BY U.S. BUREAU OF MINES.		
SINTER, RED	5	5
SINTER, GREEN	8.5	13.5

TABLE 5.--*Well logs*--Continued

	THICKNESS (FEET)	DEPTH (FEET)
22S/39E-16G13 . DATE OF COMPLETION 1941, LSD 3646 FT ABOVE MSL, 6-INCH UNCASED HOLE. DRILLED BY U.S. BUREAU OF MINES.		
SINTER, BROWN	5	5
SINTER, GREEN, AND PYRITE	6.8	11.8
22S/39E-16G14 . DATE OF COMPLETION 1941, LSD 3639 FT ABOVE MSL, 6-INCH UNCASED HOLE. DRILLED BY U.S. BUREAU OF MINES.		
SINTER, BROWN, AND ALLUVIUM	2.5	2.5
22S/39E-16G15 . DATE OF COMPLETION 1941, LSD 3635 FT ABOVE MSL, 6-INCH UNCASED HOLE. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	5	5
SINTER, TAN	3	8
22S/39E-16G16 . DATE OF COMPLETION 1941, LSD 3652 FT ABOVE MSL, 6-INCH UNCASED HOLE. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND BROWN SINTER	2	2
SINTER, BROWN	2	4
SINTER, TAN	2.3	6.3
22S/39E-16G17 . DATE OF COMPLETION 1941, LSD 3650 FT ABOVE MSL, 6-INCH UNCASED HOLE. DRILLED BY U.S. BUREAU OF MINES.		
ALLUVIUM AND SINTER	1.5	1.5
SINTER, GREEN	3.5	5

TABLE 6.--*Well hydraulics*

Time: Time of measurement, in minutes, after pump was started.

Static water level: Depth to water, in feet below or above (+) land-surface datum, prior to start of test.

Pumping water level: Depth to water, in feet below or above (+) land-surface datum, at end of test. Q means flowing above land surface.

Drawdown: Difference, in feet, between the static and pumping water levels.

Yield: Yield of the well, in gallons per minute, for drawdown indicated.

Specific capacity: Yield, in gallons per minute per foot of drawdown. In a fully efficient and fully penetrating well, specific capacity directly reflects aquifer transmissivity. A declining specific capacity, with time, indicates deteriorating well condition. An increasing specific capacity indicates continuing development of the aquifer near the well. For a given amount of available drawdown, a well with a large specific capacity will have a greater yield than a well with a small specific capacity.

STATE NUMBER	DATE	TIME (MIN)	STATIC WATER LEVEL (FT)	PUMPING WATER LEVEL (FT)	DRAW-DOWN (FT)	YIELD (GPM)	SPECIFIC CAPACITY (GPM/FT OF DD)
18S/37E-34A01 M	03 10 76		+ 0.7			34.5	
20S/37E-04A01 M	06 29 43		41.3	107.0	65.7	413.0	6.29
20S/37E-04A01 M	06 29 43		41.3	118.6	77.3	395.0	5.10
20S/40E-10P01 M	09 10 75			3.5		0.1	
20S/40E-32M01 M	01 17 62			Q		1.1	
21S/37E-02K01 M	12 30 74	300	10.6	74.6	64.0	290.0	4.50
21S/37E-02K01 M	11 12 75			43.4		260.7	
21S/37E-11C01 M	35				38.0	493.7	13.00
21S/37E-26B01 M	03 18 71				240.0	2700.0	11.20
22S/37E-02R02 M	56		142.0			20.0	
22S/37E-02R02 M	10 26 61					20.0	
22S/39E-04H08 M	06 27 67					40.0	
23S/38E-08D01 M	11 10 75			6.1		60.0	34.00
23S/38E-08D02 M	11 10 75			11.2		100.0	
23S/38E-17D02 M	11 13 75			Q6.1		1122.0	