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UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

USGS-OFR-83-433-B

NEVADA

basic data for thermal springs and wells
as recorded in GEOTHERM

PART B

By

James D. Bliss

U. S. Geological Survey
Open-File Report 83-433B

This report is preliminary and
has not been reviewed for conformity
with U.S. Geological Survey
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Menlo Park, California

July 1983

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INTRODUCTION

GEOTHERM, a computerized information system now off-line, was used to maintain data on the geology, geochemistry and hydrology of geothermal sites primarily within the United States. GEOTHERM was used to provide a broad informational framework for the Geothermal Research Program (Duffield and Guffanti, 1981). GEOTHERM was used to support national geothermal assessments--in 1978 (Muffler, 1979) and 1982 (Reed, 1983). It was however a public system and provided data to both public and private sectors. A detailed discussion on databases in GEOTHERM and a general scheme of how the information system operated can be found in Bliss and Rapport (1983).

This report on Nevada is one of a series intended to preserve the data collected for GEOTHERM and make the data available to the public. Summaries and the identification of source documents of records for Nevada can be found in a companion report, U.S. Geological Survey Open-File Report 83-433A. The complete records for Nevada are given in this report. States with significant geochemical data for geothermal fluids will be covered in individual reports such as this. A report will also be issued to cover miscellaneous data collected for sites in the central and eastern United States. The data presented in this series is also available as a data file on the internationally-available General Electric Mark III service, a timeshare network. Those interested in accessing that system should contact the Energy Resource Center, University of Oklahoma, Norman, Oklahoma 73070. It is anticipated that a portion of the data will also be available on magnetic tape from the National Technical Information Service, U. S. Department of Commerce, Springfield, VA 22161. It will not be available until after the completion of the open-file series.

GEOTHERM INDEXES

Three computer-generated indexes are found in appendices of the companion report, U.S. Geological Survey Open-File Report 83-433A. The indexes give one line summaries of each GEOTHERM record describing the chemistry of geothermal springs and wells in the sample file for Nevada. Each index is sorted by different variables to assist the user in locating records for a given geothermal site. Appendix A is sorted by the county name and the name of the source. Also given are latitude, longitude (both in decimal minutes), township, range, section, GEOTHERM record identifier, and temperature (°C). Appendix B is sorted by township, range, and section. Also given are name of source, GEOTHERM record identifier, and temperature (°C). Appendix C is first sorted into one-degree blocks by latitude, and longitude, and then by name of source. Adjacent one-degree blocks which are published as a 1:250,000 map are combined under the appropriate map name. Also given are GEOTHERM record identifier, and temperature (°C).

GEOTERM SAMPLE FILE

The GEOTERM sample file contains 1367 records for Nevada (Table 1). Records may be present which are duplicates of the same analyses. A record may contain data on location, sample description, analysis type (water, condensate, or gas), collection condition, flow rates, and the chemical and physical properties of the fluid. Stable and radioactive isotopic data are occasionally available. Some records may contain only location and temperature. When sufficient chemical data was available, the charge balance (percentage of difference in anion- and cation-milliequivalents) was computed and added to the record. Many of the numeric fields in the sample file can be directly qualified. The qualifier code precedes the number when appropriate. The codes and their meaning are given in Table 1.

Each thermal spring or well is usually represented by several records. This may document temporal changes in the geothermal fluids. Judgement on what constituted acceptable data was extremely complicated and the primary attempt was to insure that each GEOTERM record faithfully reproduced the published data. On occasion, glaring inconsistencies or data clearly of poor quality were excluded. Regrettably, no database can be constructed or supported without the introduction of errors. The user, therefore, is advised to check with the published literature whenever possible. Users should carefully and critically evaluate the records they use.

This compilation should contain all of the chemical data for geothermal fluids in Nevada available as of December, 1981. However, no claim is made for completeness, and published sources have probably been missed. About 20% of the records in this list contains information which was unpublished at the time of data entry. A critically evaluated and corrected list of over 2000 records for the United States was extracted from the sample file and issued as a reference document for the national low-temperature geothermal resource assessment (Reed and others, 1983). This, along with a list of geothermal springs by Berry, and others (1980) may be useful to some users.

GEOTERM BIBLIOGRAPHY

A bibliography is given in Appendix D of the companion report, U.S. Geological Survey Open-File Report 83-433A. The abbreviated form of the reference (called code) is identified as the record source in the full record list and is used to sort the entries in this appendix. Codes with a leading "*" identify records based on information which was unpublished at the time the record was prepared.

ACKNOWLEDGMENTS

Contributions and support to GEOTHERM have been made by many in both federal and state agencies. This includes the U.S. Department of Energy (and associated contractors), and U.S. National Oceanic and Atmospheric Administration. Data-entry forms for most sites in Nevada were prepared by the staff of either the Nevada Bureau of Mines and Geology or the U.S. Geological Survey.

REFERENCES CITED

- Berry, G. W., Grim, P. J., and Ikelman, J. A., 1980, Thermal springs list for the United States: National Oceanic and Atmospheric Administration, Key to Geophysical Records Document No. 12, 59 p.
- St. J. D., and Rapport, Amy, 1983, GEOTHERM: the U.S. Geological Survey geothermal information system: Computers & Geosciences, v. 9, no. 1, p. 35-39.
- Weld, W. A., and Guffanti, Marianne, 1981, The geothermal research program of the U.S. Geological Survey: U.S. Geological Survey Open-File Report 81-564, 108 p.
- Muffler, L. J. P., ed., 1979, Assessment of geothermal resources in the United States--1978: U.S. Geological Survey Circular 790, 163 p.
- Reed, M. J., ed., 1983, Assessment of low-temperature geothermal resources of the United States--1982: U.S. Geological Survey Circular 892.
- Reed, M. J., Mariner, R. H., Brook, C. A., and Jorey, M. L., 1983, Selected data for low-temperature (less than 90°C) geothermal systems in the United States; reference data for U.S. Geological Survey Circular 892: U.S. Geological Survey Open-File Report 83-250, 129 p.

TABLE 1

State of Nevada: computer-generated listing of records describing geothermal-fluid samples. [A few records may be for cold springs or wells--this was to provide ground-water references for some studies.]

ORGANIZATION: Records are sorted by county and then by the name of the spring or well. Order is the same in Appendix A.

UTM: The UTM Easting label was omitted. However if the UTM Easting figure is presented in the record, it will be found directly below the UTM Northing label.

QUALIFICATION CODES: All numeric attributes may be qualified. The codes and their meaning:

L = less than

G = greater than

E = estimated

T = trace (no numeric value reported)

N = not detected (not followed by number)

Q = qualified (other data in qualification field)

R = midpoint of range (actual range in qualification field)

REFERENCE: An expanded citation of the reference is found in Appendix D. The abbreviated form used in this table is called "CODE" in the appendix. Unpublished sources are preceded with "*".

NOTE: All Appendices are found in the companion report, U.S. Geological Survey Open-File Report 83-433A.

RECORD 00001

GEOTHERM FILE 101 0026023

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BENNETT WELL

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE
STATE..... NEVADA 15N 020E 23

COORDINATES

LAT/LONG... 39-09-167N 119-42-00W

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 1420 DEER RUN RD.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1965/06/01 NEVADA CONSUMER HEALTH PROTECTION SERVICES

TEMPERATURE (C)..... 44. AT (M)..... 39.

WELL DEPTH (M)..... 39.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

WATER ANALYSIS

PH..... 8.03

ALKALINITY..... 18. AS CaCO3

TOTAL DISSOLVED SOLIDS... 1554.

ANALYSIS IN PPM

AG..... CO3..... N

AL..... CR..... MG... 1.1

H..... F..... 3.9

BA..... FE+3..... NA+K... 214.

FE..... FE(TOT)..... 1. NO.....

CA..... 289. HCO3..... 22. NO3... 2. SO4... 504. 1056.

CL..... 36.

OTHER ANALYTICAL DATA... HARDNESS: 7.4.

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHOSH, GEORGE E.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... *NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00002

GEOTHERM FILE 101 0026034

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BENNETT WELL

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE
STATE..... NEVADA 15N 020E 23

COORDINATES

LAT/LONG... 39-09-167N 119-42-00W

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 1420 DEER RUN RD.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1970/09/01 NEVADA CONSUMER HEALTH PROTECTION SERVICES

TEMPERATURE (C)..... 44.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

WATER ANALYSIS

PH..... 8.14

ALKALINITY..... 26. AS CaCO3

TOTAL DISSOLVED SOLIDS... 1552.

ANALYSIS IN PPM

AG..... CO3..... N

AL..... CR..... MG... 7.

H..... F..... 4.3

ISOTOPES (U/001)

BA.... FE+J.... NA+K... 105.
RE.... FE(TOT)... 0.55 NB... S04.. 840.
CA.... 277. MC03.... 32. NU3.. 0.5
CL.... 34.

OTHER ANALYTICAL DATA... HARDNESS = 120.

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHOSH, GEORGE E.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00003

GEO THERM SAMPLE FILE

GEO THERM FILE NO: 0026038

NAME OF SAMPLE SOURCE... BENNETT WELL

LOCATION TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 020E 23

LAT/LONG... 39-08.767N 119-42.217W

STATE..... NEVADA

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: CAMUS RD.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1979/10/01 OFFICE OF THE STATE ENGINEER

TEMPERATURE (C)..... 32.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHOSH, GEORGE E.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00004

GEO THERM SAMPLE FILE

GEO THERM FILE NO: 0026035

NAME OF SAMPLE SOURCE... BENNETT WELL

LOCATION TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 020E 23

LAT/LONG... 39-09.417N 119-42.000W

STATE..... NEVADA

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 1120 DEER RUN RD.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1970/02/01 NEVADA CONSUMER HEALTH PROTECTION SERVICES

TEMPERATURE (C)..... 39. AT (M)... 37.

WELL DEPTH (M)..... 37.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

WATER ANALYSIS

PH..... 7.81
ALKALINITY..... 24. AS CaCO3
TOTAL DISSOLVED SOLIDS... 1529.

ANALYSIS IN PPM

ISOTOPIES (U/100)

AG.... CO3.... N
AL.... CR..... MG... N
H.... F..... 4.2
BA.... FE+J.... NA+K... 226.
BE.... FE(TOT)... 0.22 NB... S04.. 1490.
CA.... 280. MC03.... 29. NU3.. 0.5
CL.... 37.

OTHER ANALYTICAL DATA... HARDNESS = 720.

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHOSH, GEORGE E.
COMPILER AFFILIATION..... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BENNETT WELL

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE 15N 02E 23

STATE..... NEVADA

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 1120 DEER RUN RD.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1970/09/01 NEVADA CONSUMER HEALTH PROTECTION SERVICES

TEMPERATURE (C)..... 39. AT (M)..... 37.

WELL DEPTH (M)..... 37.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

WATER ANALYSIS

P4..... 7.98

ALKALINITY..... 26. AS CaCO3

TOTAL DISSOLVED SOLIDS... 1517.

ANALYSIS IN PP4

AG.... CO3..... N

AL.... Ca..... Mg.... 13.

HA.... F..... 4.2 NA+K.... 113.

SA.... FE+3.....

HE.... FE(TOT).... 1.7 NB.... 504.. 840.

CA.... 264. MC03.... 32.

CL.... 34.

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... HARDNESS: 700.

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHOSH, GEORGE E.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BROWN WELL

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE 15N 02E 23

STATE..... NEVADA

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 6050 MALLOW

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1970/09/01 NEVADA CONSUMER HEALTH PROTECTION SERVICES

TEMPERATURE (C)..... 43. AT (M)..... 49.

WELL DEPTH (M)..... 49.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

WATER ANALYSIS

P4..... 8.48

RECORD 00005

GEOTHERM FILE ID: 0026038

COORDINATES

LAT/LONG... 39-09.417N 119-42.000W

RECORD 00006

GEOTHERM FILE ID: 0026026

COORDINATES

LAT/LONG... 39-09.133N 119-41.767W

ALKALINITY..... 30. AS CaCO3
TOTAL DISSOLVED SOLIDS... 1614.
ANALYSIS IN PPM

AG.... CO3..... 6.
AL.... CR.....
B..... F..... 4.4
BA.... FE+3....
BE.... FE(TOT)... 0.41
CA.... HCO3..... 37.
CL.... 33.

ISOTOPES (U/THU)

504.. 913.

OTHER ANALYTICAL DATA... HARDNESS 760.

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00007

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BURGESS WELL

GEOTHERM FILE ID: 0026024

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE
STATE..... NEVADA 15N 020E 23
COUNTY..... CARSON CITY
MAP REFERENCE..... NEW EMPIRE 1:24000

COORDINATES

LAT/LONG... 39-08.85N 119-42.083W

OTHER LOCALITY INFORMATION: 2249 PINYON

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... NEVADA CONSUMER HEALTH PROTECTION SERVICES

WELL DEPTH (M)..... 61.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

WATER ANALYSIS

P..... 8.6
ALKALINITY..... 24. AS CaCO3
TOTAL DISSOLVED SOLIDS... 1587.
CHARGE IMBALANCE (3 DIFF)... 3.6
ANALYSIS IN PPM

ISOTOPES (U/THU)

AG.... CO3..... 8.
AL.... CR.....
B..... F.....
BE.... FE(TOT)... 0.25
CA.... HCO3..... 10.
CL.... 33.
CO.... K..... 5.

504.. 809.

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00008

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CARSON (SHAW) HOT SPRINGS

GEOTHERM FILE ID: 0001029

WATERING NUMBER..... 59.

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE
STATE..... NEVADA 15N 020E 05 SE OF NE

COORDINATES

LAT/LONG... 39-11.5 N 119-45.1 W

COUNTY..... CARSON CITY
MAP REFERENCE..... CARSON CITY 1:24000
SAMPLE DESCRIPTION AND CONDITIONS
TEMPERATURE (C)..... 44.0
OTHER SAMPLE INFORMATION.. WATER USED IN PUBLIC POOL.

WATER ANALYSIS

DATE/ANALYST..... NEVADA GEOLOGICAL SURVEY
TOTAL DISSOLVED SOLIDS... 380.
ANALYSIS IN PPM

AL....	CR.....	MG....	2.7		
B....	F.....	NA....	86.	SI02.	44.
BE....	FE(TOT)...	NB....		SO4...	63.
CA....	11.	MC03....	147.		
CL....	28.				

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
REFERENCE..... FITCH, 1927

RECORD 00009

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CARSON (SWIFTS, SHAW) HOT SPRINGS
WIRING NUMBER..... 59.

GEOTHERM FILE 101 0074075

LOCATION

COUNTRY..... UNITED STATES
STATE..... NEVADA
COUNTY..... CARSON CITY

TOWNSHIP-RANGE

15N 020E 05 SE OF NE

COORDINATES

LAT/LONG... 39-11.6 N 119-45.1 W
UTM ZONE... 11
NORTHING... 4341635.
262209.

GEOLOGIC PROVINCE..

MAP REFERENCE..... CARSON CITY 1:24000
OTHER LOCALITY INFORMATION: CARSON CITY 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 43.9
OTHER SAMPLE INFORMATION.. WATER USED IN PUBLIC POOL.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... WARING, 1955

RECORD 00010

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CARSON HOT SPRING
WIRING NUMBER..... 59.

GEOTHERM FILE 101 0001030

LOCATION

COUNTRY..... UNITED STATES
STATE..... NEVADA
COUNTY..... CARSON CITY

TOWNSHIP-RANGE

15N 020E 05 SE OF NE

COORDINATES

LAT/LONG... 39-11.5 N 119-45.1 W

GEOLOGIC PROVINCE..

MAP REFERENCE..... CARSON CITY 1:24000
OTHER LOCALITY INFORMATION: CARSON CITY 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1952/06/11 WHITE, DON E.
TEMPERATURE (C)..... 46.7
OTHER SAMPLE INFORMATION.. WATER USED IN PUBLIC POOL.

WATER ANALYSIS

DATE/ANALYST..... 1953/12/22 KRAMER, HENNY

P..... 9.1
 SPECIFIC CONDUCTANCE..... 508.
 CHARGE IMBALANCE (% DIFF)... 1.8
 ANALYSIS IN PPM

AG.... CO3..... 27.
 AL.... CR.....
 B..... 1.0 F..... 8.0
 BE.... FE(TOT).
 CA.... 5.6 HCO3.... 45.
 CL.... 26.
 CO.... K..... 1.4

LI... N
 MG... N
 NA... 99.
 NO3... 1
 SI02. 59.
 SO4.. 92.

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... B = 0.96% OF EQ.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... *USGS

RECORD 00011

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CARSON HOT SPRING
 HARING NUMBER..... 59.

GEOTHERM FILE 101 0026021

LOCATION

COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... CARSON CITY
 GEOLOGIC PROVINCE.. 22

TOWNSHIP-RANGE

15N 020E 05 SE OF NE

COORDINATES

LAT/LONG... 39-11.5 N 119-45.1 W

MAP REFERENCE..... CARSON CITY 1:24000
 OTHER LOCALITY INFORMATION: CARSON CITY 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1979/10/15 TREXLER, D.T.
 TEMPERATURE (C)..... 50.

OTHER SAMPLE INFORMATION.. WATER USED IN PUBLIC POOL.

WATER ANALYSIS

P..... 8.84
 SPECIFIC CONDUCTANCE..... 515.
 CHARGE IMBALANCE (% DIFF)... 2.5

ANALYSIS IN PPM

AG.... CO3..... 13.
 AL.... CR.....
 AS.... 0.0753 CS..... 0.024
 B..... 1.5 F..... 7.5
 BA.... L 0.1
 BE.... FE(TOT). 0.03
 BI.... GA.....
 CA.... 2.2 HCO3.... 57.
 CL.... 27.
 CO.... K..... 1.6

LI... 0.216 S....
 MG... L 0.05 SB...
 NA... 99. SI02. 60.
 NO3... L 0.01
 RB... 0.032
 SO4.. 89.
 SR... L 0.2

ISOTOPES (0/00)

DEL D OF WATER..... -127.
 DEL O(18) OF WATER... -14.9

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... *NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00012

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0074156

NAME OF SAMPLE SOURCE... CARSON HOT SPRINGS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 020E 05 SE OF NE

LAT/LONG... 39-11.6 N 119-45.1 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... CARSON CITY

NORTHING... 4341635.

GEOLOGIC PROVINCE..

262209.

MAP REFERENCE..... CARSON CITY 1:24000

OTHER LOCALITY INFORMATION: CARSON CITY 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1965/03/30

TEMPERATURE (C)..... 48.9

DISCHARGE..... 284. L/MIN

OTHER SAMPLE INFORMATION: WATER USED IN PUBLIC POOL.

WATER ANALYSIS

PH..... 9.3

SPECIFIC CONDUCTANCE..... 506.

ANALYSIS IN PPM

AG..... CO3..... 28.

AL..... CR.....

BA..... FE+3.....

ME..... FE(TOT).....

CA..... 2.0 HCO3..... 36.

CL..... 29.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WORTS AND MALMBERG, 1966

ISOTOPES (0/00)

RECORD 00013

GEOTHERM SAMPLE FILE

GEOTHERM FILE 10: 0026022

NAME OF SAMPLE SOURCE... CARSON SEWAGE PLANT

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 020E 15 NW OF SW

LAT/LONG... 39-09. N 119-43. W

STATE..... NEVADA

COUNTY..... CARSON CITY

GEOLOGIC PROVINCE.. 22

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: NEW EMPIRE 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1979/10/15 TREXLER, D.T.

TEMPERATURE (C)..... 37. AT (M)..... 64.

WELL DEPTH (M)..... 64.

WATER ANALYSIS

PH..... 7.83

SPECIFIC CONDUCTANCE..... 501.

CHARGE IMBALANCE (% DIFF)..... 13.8

ANALYSIS IN PPM

AG..... CO3..... 47.

AL..... CR.....

AS..... CS..... 0.0042

H..... F..... 6.4

BA..... NA..... 90. SI02. 36.

RE..... FE(TOT)..... 0.447

BI..... NA.....

CA..... 12. UA.....

HCO3.....

LI..... 0.0048 S.....

MG..... L 0.05 SH.....

NA..... 90. SI02. 36.

NA..... 90. SI02. 36.

NA..... 90. SI02. 36.

NA..... 90. SI02. 36.

NA..... 90. SI02. 36.

NA..... 90. SI02. 36.

NA..... 90. SI02. 36.

ISOTOPES (0/00)

DEL D OF WATER..... -123.

DEL D(18) OF WATER... -15.4

S04.. 132.

SR... L 0.2

NO3.. L 0.01

COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

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RECORD 00016

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... DWYER WELL

GEOTHERM FILE 101 0026031

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES

15N 020E 23

LAT/LONG... 39-09.017N 119-42.200W

STATE..... NEVADA

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 5551 JUNIPER

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR.....

OFFICE OF THE STATE ENGINEER

TEMPERATURE (C)..... 33. AT (M)..... 45.

WELL DEPTH (M)..... 45.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.

COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00017

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... EVERSON WELL

GEOTHERM FILE 101 0026048

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES

15N 020E 23

LAT/LONG... 39-09.100N 119-42.583W

STATE..... NEVADA

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 1550 PINYON

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1973/09/01 NEVADA CONSUMER HEALTH PROTECTION SERVICES

TEMPERATURE (C)..... 29. AT (M)..... 28.

WELL DEPTH (M)..... 28.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

WATER ANALYSIS

pH..... 8.33

ALKALINITY..... 30. AS CaCO3

TOTAL DISSOLVED SOLIDS... 1501.

ANALYSIS IN PPM

AG.....

CO3..... N

AL.....

CR.....

MG... 26.

BA.....

F..... 4.0

HE.....

FE+3.....

NA+K... 196.

HE.....

FE(TOT).....

NO... 504..

CA..... 181.

MC03.....

0.06

NO3... 873.

CL..... 33.

37.

0.5

OTHER ANALYTICAL DATA... HARDNESS: 56.

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.

COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

ISOTOPIES (0/00)

RECORD 00018

GEOTHERM FILE ID: 0026049

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... FARRIS WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 020E 23

STATE..... NEVADA

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 2149 PINTON

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1970/09/01 NEVADA CONSUMER HEALTH PROTECTION SERVICES

TEMPERATURE (C)..... 36.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

WATER ANALYSIS

PH..... 8.6

ALKALINITY..... 52. AS CAC03

TOTAL DISSOLVED SOLIDS... 1575.

ANALYSIS IN PPM

ISOTOPE (0/00)

AG.... CO3..... 10.

AL.... CR..... MG.... 10.

B.... F..... 4.3

BA.... FE+3.... NA+K.... 185.

BE.... FE(10T).... 0.04 NB.... 504.. 987.

CA.... MC03.... 63. NU3.... 0.5

OTHER ANALYTICAL DATA... 30.
HARDNESS: 720.

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... *NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00019

GEOTHERM FILE ID: 0026050

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... HACKETT WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 020E 23

STATE..... NEVADA

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 2150 PINTON

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1970/09/01 NEVADA CONSUMER HEALTH PROTECTION SERVICES

TEMPERATURE (C)..... 27.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

WATER ANALYSIS

PH..... 7.95

ALKALINITY..... 42. AS CAC03

TOTAL DISSOLVED SOLIDS... 1662.

ANALYSIS IN PPM

ISOTOPE (0/00)

AG.... CO3..... N

AL.... CR..... MG.... 5.

B.... F..... 3.7

BA.... FE+3.... NA+K.... 231.

RE..... FE(TOT)... 0.22... NO... S04... 1120.
 CA..... 296... HCO3.... 51... NO3... 0.5
 CL..... 38.

OTHER ANALYTICAL DATA... HARDNESS: 720.

REFERENCE AND IDENTIFICATION

COMPILED BY..... GMUSN, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00020

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0026051

NAME OF SAMPLE SOURCE... MURIN WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 02E 23

LAT/LONG... 39-09.050N 119-42.100W

STATE..... NEVADA

COUNTY..... CAHSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 1841 DEER RUN RD.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... NEVADA CONSUMER HEALTH PROTECTION SERVICE

TEMPERATURE (C)..... 43. AT (M)... 48.

WELL DEPTH (M)..... 48.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

WATER ANALYSIS

PH..... 8.31

ALKALINITY..... 34.

AS CaCO3

TOTAL DISSOLVED SOLIDS... 1606.

ANALYSIS IN PPM

ISOTOPES (0/00)

AG..... CO3.... 6.

AL..... CR.....

MG... 12.

H..... F..... 4.3

BA..... FE+3....

NA-K... 9.

BE..... FE(TOT)... 0.04

NO... S04... 820.

CA..... 277. HCO3.... 41.

CL..... 34.

OTHER ANALYTICAL DATA... HARDNESS: 74.

REFERENCE AND IDENTIFICATION

COMPILED BY..... GMUSN, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00021

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0026043

NAME OF SAMPLE SOURCE... ISSACS WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 02E 23

LAT/LONG... 39-08.850N 119-42.083W

STATE..... NEVADA

COUNTY..... CAHSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: PINYON RD.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... OFFICE OF THE STATE ENGINEER

TEMPERATURE (C)..... 42.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00022

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... KUOH WELL

GEOTHERM FILE ID: 0026042

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE SE OF NE
 STATE..... NEVADA 15N 020E 23
 COUNTY..... CARSON CITY
 MAP REFERENCE..... NEW EMPIRE 1:24000

COORDINATES

LAT/LONG... 39-09.10N 119-41.85W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... OFFICE OF THE STATE ENGINEER
 TEMPERATURE (C)..... 32. AT (M)..... 41.
 WELL DEPTH (M)..... 41.

PERTINENT LITHOLOGY..... QUATERNARY ALLOVIUM

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00023

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... LAGLIA MONTE WELL

GEOTHERM FILE ID: 0026052

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE
 STATE..... NEVADA 15N 020E 23
 COUNTY..... CARSON CITY
 MAP REFERENCE..... NEW EMPIRE 1:24000

COORDINATES

LAT/LONG... 39-09.117N 119-42.117W

OTHER LOCALITY INFORMATION: 1671 PINYON

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1970/09/01 NEVADA CONSUMER HEALTH PROTECTION SERVICE
 TEMPERATURE (C)..... 45. AT (M)..... 46.
 WELL DEPTH (M)..... 46.

PERTINENT LITHOLOGY..... QUATERNARY ALLOVIUM

WATER ANALYSIS

PH..... 8.22
 ALKALINITY..... 24. AS CaCO3
 TOTAL DISSOLVED SOLIDS... 1563.

ANALYSIS IN PP4

AG.....	CO3.....	2.			
AL.....	CR.....		MG...	2.	
B.....	F.....	4.3			
BA.....	FE+3.....		NA+K...	147.	
BE.....	FE(TOT)...	1.4	NB...		
CA.....	HC03.....	29.		S04..	913.
CL.....					

ISOTOPES (0/0w)

OTHER ANALYTICAL DATA... HARDNESS: 700

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00024

GEOHEM SAMPLE FILE

GEOHEM FILE ID: 0026053

NAME OF SAMPLE SOURCE... LEWIS WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 020E 23

LAT/LONG... 39-09.417N 119-41.917W

STATE..... NEVADA

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 5759 SEDGE

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... OFFICE OF THE STATE ENGINEER

TEMPERATURE (C)..... 43. AT (M)..... 47.

WELL DEPTH (M)..... 47.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00025

GEOHEM SAMPLE FILE

GEOHEM FILE ID: 0026025

NAME OF SAMPLE SOURCE... MATTHEWS WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 020E 23

LAT/LONG... 39-08.933N 119-42.150W

STATE..... NEVADA

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 2060 PINYON

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1977/09/01 NEVADA CONSUMER HEALTH PROTECTION SERVICE

TEMPERATURE (C)..... 34. AT (M)..... 30.

WELL DEPTH (M)..... 30.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

WATER ANALYSIS

pH..... 7.31

ALKALINITY..... 1. AS CaCO3

TOTAL DISSOLVED SOLIDS... 1546.

CHARGE IMBALANCE (% DIFF)... 7.9

ANALYSIS IN PPM

AG.....	CO3.....	N				
AL.....	CR.....		MG.....	4.		
B.....	F.....	3.2	NA.....	176.		
HE.....	FE(TOT)...	0.21	NB.....			
CA..... 262.	MC03.....	12.	NO3.....	0.3	S04..	1036.
CL..... 34.						
CO.....	N.....	4.				

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... HARDNESS: 659.

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00026

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0026057

NAME OF SAMPLE SOURCE... MCAMIS WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 020E 23

LAT/LONG... 39-09.133N 119-42.067W

STATE..... NEVADA

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 5550 LAUREL

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1970/09/01 NEVADA CONSUMER HEALTH PROTECTION SERVICE

TEMPERATURE (C)..... 32. AT (M)..... 23.

WELL DEPTH (M)..... 23.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00027

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0026056

NAME OF SAMPLE SOURCE... MCAMIS WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 020E 23

LAT/LONG... 39-09.333N 119-42.100W

STATE..... NEVADA

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 1150 PINYON

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1970/09/01 NEVADA CONSUMER HEALTH PROTECTION SERVICE

TEMPERATURE (C)..... 36. AT (M)..... 27.

WELL DEPTH (M)..... 27.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

WATER ANALYSIS

pH..... 8.08

ALKALINITY..... 30. AS CaCO3

TOTAL DISSOLVED SOLIDS... 1495.

ANALYSIS IN PPM

AG..... CO3..... M

AL..... CR.....

B..... F..... 4.3

BA..... FE+3.....

BE..... FE(TOT)..... 0.32

CA..... 240. HCO3..... 37.

CL..... 33.

MG... 15.

NA+K... 99.

ND... 707.

S04... 707.

ISOTOPE (u/gul)

OTHER ANALYTICAL DATA... HARDNESS: 660.

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00026

GEOTHERM FILE 10: 0026058

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... MCCABE WELL

LOCATION

COUNTRY..... UNITED STATES 15N 020E 23

STATE..... NEVADA

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 1675 DEER RUN RD.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1971/09/01 NEVADA CONSUMER HEALTH PROTECTION SERVICE

TEMPERATURE (C)..... 46. AT (M)..... 52.

WELL DEPTH (M)..... 52.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

WATER ANALYSIS

PH..... 8.61

ALKALINITY..... 24. AS CaCO3

TOTAL DISSOLVED SOLIDS... 1551.

ANALYSIS IN PPM

AG..... CO3..... 6.

AL..... CR.....

H..... F..... 4.3

HA..... FE+3.....

BE..... FE(TOT)..... 0.01

CA..... 275. MC03.....

CA+MG..... HG..... 29.

CL..... 33.

OTHER ANALYTICAL DATA... HARDNESS: 700.

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

COORDINATES

LAT/LONG... 39-09.117N 119-41.950W

ISOTOPES (0/00)

MG... 3.

NA+K... 254.

NB...

NO3... N

S04... 1135.

RECORD 00029

GEOTHERM FILE 10: 0026054

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... MCKINZIE WELL

LOCATION

COUNTRY..... UNITED STATES 15N 020E 23

STATE..... NEVADA

COUNTY..... CARSON C. Y.

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 1437 PINYON

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1970/09/01 NEVADA CONSUMER HEALTH PROTECTION SERVICE

TEMPERATURE (C)..... 42.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

WATER ANALYSIS

PH..... 8.1

ALKALINITY..... 24. AS CaCO3

TOTAL DISSOLVED SOLIDS... 1554.

ANALYSIS IN PPM

AG..... CO3..... N.

AL..... CR.....

MG... 12.

ISOTOPES (0/00)

R..... F..... 4.0
 RA..... FE3..... NA+K. 110.
 HE..... FE(TOT) 5.8 NB... 504.. 859.
 CA..... 269. MC03..... 34.
 CL..... 32.

OTHER ANALYTICAL DATA... HARDNESS: 720.

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00030

GEO THERM SAMPLE FILE

GEO THERM FILE ID: 0026059

NAME OF SAMPLE SOURCE... MURRAY WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 020E 23
 STATE..... NEVADA
 COUNTY..... CARSON CITY
 MAP REFERENCE..... NEW EMPIRE 1:24000

LAT/LONG... 39-08.750N 119-42.050W

OTHER LOCALITY INFORMATION: 2349 CAMUS

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... OFFICE OF THE STATE ENGINEER.

TEMPERATURE (C)..... 41. AT (M)..... 55.

WELL DEPTH (M)..... 55.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00031

GEO THERM SAMPLE FILE

GEO THERM FILE ID: 0074723

NAME OF SAMPLE SOURCE... NEVADA STATE PRISON POND

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 020E 16 SE 1/4 SE
 STATE..... NEVADA
 COUNTY..... CARSON CITY
 GEOLOGIC PROVINCE...

LAT/LONG... 39-09.6 N 119-44.1 W
 UTM ZONE... 11
 NORTHING... 4337867.
 263681.

MAP REFERENCE..... RENO 1:250000. NEW EMPIRE 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1978/07/12

TEMPERATURE (C)..... 24.

OTHER SAMPLE INFORMATION.. WATER FROM HOT SPRINGS ONCE USED FOR INMATE GANG-SHOWERS.

WATER ANALYSIS

P..... 8.8
 SPECIFIC CONDUCTANCE..... 570.

ANALYSIS IN PPM

ISOTOPES (0/00)

AL..... CR..... MG... 0.33
 B..... F..... NA... 82. SI02. 33.
 HE..... FE(TOT) NB... 504.. 148.
 CA..... 14. MC03..... 4 48.
 CL..... 21.
 CO..... K..... 2.

QUALIFICATION FIELD..... BICARBONATE TITRATED WITHIN 24 HOURS OF SAMPLING.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 COMPILER CROSS INDEX... NJ-11-1-84
 REFERENCE..... TREXLER AND OTHERS, 1979

RECORD 00032

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... NEVADA STATE PRISON SPRING
 WIRING NUMBER..... 59A

GEOTHERM FILE 101 007484

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE
 STATE..... NEVADA 15N 020E 16 SE OF SE
 COUNTY..... CARSON CITY
 GEOLOGIC PROVINCE.. 22

COORDINATES

LAT/LONG... 39-09.6 N 119-44.1 W
 UTM ZONE... 11
 NORTING... 4337867.
 263081.

MAP REFERENCE..... RENO 1:250000, DAYTON 1:62500, NEW EMPIRE 1:24000
 OTHER LOCALITY INFORMATION: NEW EMPIRE 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1978/07/14
 TEMPERATURE (C)..... 74.

WATER ANALYSIS

P1..... 9.8
 SPECIFIC CONDUCTANCE..... 570.
 CHARGE IMBALANCE (% DIFF)... 9.3

ANALYSIS IN PPM

AL.....	CA.....	MG...	0.33		
B.....	F..... 5.8	NA...	02.	SiO2..	33.
BE.....	FE(101)...	NB...		S04..	148.
CA..... 14.	HC03..... 4 48.				
CL..... 21.					
CO.....	K..... 2.				

ISOTOPES (0/00)

QUALIFICATION FIELD..... HC03 CALCULATED FROM TITRATION AS CAC03 TO PH 4.5

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00033

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... NOBLE MURRAY WELL

GEOTHERM FILE 101 0026018

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE
 STATE..... NEVADA 15N 020E 23
 COUNTY..... CARSON CITY
 GEOLOGIC PROVINCE.. 22

COORDINATES

LAT/LONG... 39-08.6 N 119-41.9 W

MAP REFERENCE..... NEW EMPIRE 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1979/10/15 TREXLER, D.T.
 TEMPERATURE (C)..... 41.

WATER ANALYSIS

P1..... 7.26
 SPECIFIC CONDUCTANCE..... 2470.
 CHARGE IMBALANCE (% DIFF)... 0.1

ANALYSIS IN PPM

ISOTOPES (0/00)

AG....	CO3.....	26.	LI...	0.120	S....	DEL D OF WATER.....	-130.
AL....	CR.....		MO...	0.14	SR...	DEL D(18) OF WATER...	-16.2
AS.... L 0.005	CS.....	0.0159					
B..... 1.4	F.....	4.1	NA...	173.	SI02.	44.	
BA.... L 0.1							
BE....	FE(TOT).	0.116	NB...		S04..	843.	
BI....	GA.....		NH4..		SR...	3.0	
CA.... 270.	HC03....		NO3..	L 0.01			
CL.... 34.							
CO....	K.....	5.9	RB...	0.0639			

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00034

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0026027

NAME OF SAMPLE SOURCE... OTTE WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 020E 23

LAT/LONG... 39-08.933N 119-42.083W

STATE..... NEVADA

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 2049 PINYON

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... OFFICE OF THE STATE ENGINEER

TEMPERATURE (C)..... 50. AT (M).... 42.

WELL DEPTH (M)..... 42.

PERTINENT LITHOLOGY..... QUATERNARY ALLOVIUM

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00035

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074081

NAME OF SAMPLE SOURCE... PINYON HILLS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 020E 23

LAT/LONG... 39-08.9 N 119-42.4

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... CARSON CITY

NORTHING... 4336519.

GEOLOGIC PROVINCE...

266091.

MAP REFERENCE..... RENO 1:250000; NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 44.4

WELL DEPTH (M)..... 39.

WATER ANALYSIS

ANALYSIS IN PPM

ISOTOPE (0/00)

B.....

F..... 1.6

BA.....

FE+3....

NA+K. 71.

BE.....

FE(TOT). 0.01

NB...

S04.. 112.

CA.....

HC03.... 10.

NO3..

0.5

CL..... 20.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... DESERT RESEARCH INSTITUTE, 1973

RECORD 00036

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074429

NAME OF SAMPLE SOURCE... PINYON HILLS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 020E 23

STATE..... NEVADA

COUNTY..... CARSON CITY

GEOLOGIC PROVINCE...

MAP REFERENCE..... MENO 1:250000, NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1971/01/19

TEMPERATURE (C)..... 45.6

WELL DEPTH (M)..... 52.

WATER ANALYSIS

PH..... 8.6

TOTAL DISSOLVED SOLIDS... 1551.

ANALYSIS IN PPM

AG..... CO3..... 6.

AL..... CR.....

BA..... F..... 4.3

BE..... FE+3.....

BF..... FE(TOT)..... 0.01

BG..... HCO3..... 29.

BH..... 275.

BI..... 33.

BJ.....

BK.....

BL.....

BM.....

BN.....

BO.....

BP.....

BQ.....

BR.....

BS.....

BT.....

BU.....

BV.....

BW.....

BX.....

BY.....

BZ.....

C0.....

C1.....

C2.....

C3.....

C4.....

C5.....

C6.....

C7.....

C8.....

C9.....

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... DESERT RESEARCH INSTITUTE, 1973

RECORD 00037

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074444

NAME OF SAMPLE SOURCE... PINYON HILLS AREA

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 020E 25

STATE..... NEVADA

COUNTY..... CARSON CITY

GEOLOGIC PROVINCE...

MAP REFERENCE..... MENO 1:250000, DAYTON 1:62500, NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1971/01/28

TEMPERATURE (C)..... 32.2

WELL DEPTH (M)..... 61.

WATER ANALYSIS

TOTAL DISSOLVED SOLIDS... 366.

ANALYSIS

AG..... F..... 1.7

AL.....

BA..... 13.

BE.....

BF.....

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... DESERT RESEARCH INSTITUTE, 1973

RECORD 00038

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074073

NAME OF SAMPLE SOURCE... PINYON HILLS-WHEAT WELL
 LOCATION
 COUNTRY..... UNITED STATES 15N 020E 23 SE
 STATE..... NEVADA
 COUNTY..... CARSON CITY
 GEOLOGIC PROVINCE...
 MAP REFERENCE..... KENO 1:250000, NEW EMPIRE 1:24000

COORDINATES

LAT/LONG... 39-08.6 N 119-41.9 W
 UTM ZONE... 11
 NORTING... 4335942,
 266795.

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1960/00/00
 TEMPERATURE (C)..... 45.0

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GAKSIDE AND SCHILLING, 1979

RECORD 00039

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0026040

NAME OF SAMPLE SOURCE... POWELL WELL
 LOCATION
 COUNTRY..... UNITED STATES 15N 020E 23 NW OF NE
 STATE..... NEVADA
 COUNTY..... CARSON CITY
 MAP REFERENCE..... NEW EMPIRE 1:24000

COORDINATES

LAT/LONG... 39-09.333N 119-42.100W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... OFFICE OF THE STATE ENGINEER
 TEMPERATURE (C)..... 35. AT (M)..... 42.
 WELL DEPTH (M)..... 42.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHOSH, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00040

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0026019

NAME OF SAMPLE SOURCE... SARATOGA HOT SPRING
 LOCATION
 COUNTRY..... UNITED STATES 14N 020E 21 SW OF SE
 STATE..... NEVADA
 COUNTY..... CARSON CITY
 MAP REFERENCE..... MC TANNAMAN HILL 1:24000

COORDINATES

LAT/LONG... 39-03.4 N 119-44.4 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1979/10/15 TREALER, U.T.
 TEMPERATURE (C)..... 50.

WATER ANALYSIS

P1..... 8.55
 SPECIFIC CONDUCTANCE..... 1857.
 CHARGE IMBALANCE (% DIFF)... 6.2
 ANALYSIS IN PPM

AG....	CO3.....	11.	LI...	0.0955	S....	
AL....	CR.....		MG...	0.1	SB...	
AS.... L 0.005	CS..... L 0.003		NA...	161.	SI02.	33.
B..... 1.4	F..... 3.3		NB...		S04..	617.
BA.... 0.1	FE+3.... 0.04		NH4..		SR...	2.4
BE....	FE(TOT).		NO3.. L 0.01			
BI....	GA.....		RB...	0.0412		
CA.... 186.	MC03.... 4.5					
CL.... 39.						
CO....	K..... 5.0					

ISOTOPES (0/00)

DEL D OF WATER..... -130.
 DEL D(18) OF WATER... -16.2

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSH, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00041

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SARATOGA WELL

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE 14N 020E 28 SW 1/4 NW
 STATE..... NEVADA
 COUNTY..... CARSON CITY
 MAP REFERENCE..... MC TANNAMAN HILL 1124000

COORDINATES

LAT/LONG... 39-02.5 N 119-44.5 W

OTHER LOCALITY INFORMATION: NEVADA BUREAU OF MINES AND GEOLOGY

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1979/10/15 TREXLER, D.T.
 TEMPERATURE (C)..... 26.

WATER ANALYSIS

P1..... 7.32
 SPECIFIC CONDUCTANCE..... 1847.
 CHARGE IMBALANCE (% DIFF)... 3.9
 ANALYSIS IN PPM

AG....	CO3.....	23.	LI...	0.1	S....	
AL....	CR.....		MG... L 0.05		SB...	
AS.... L 0.005	CS..... 0.0048		NA...	159.	SI02.	26.
B..... 0.125	F..... 3.3		NB...		S04..	617.
BA.... L 0.1	FE+3.... 0.066		NH4..		SR...	2.5
BE....	FE(TOT).		NO3.. 0.069			
BI....	GA.....		RB...	0.0408		
CA.... 168.	MC03....					
CL.... 40.						
CO....	K..... 5.2					

ISOTOPES (0/00)

DEL D OF WATER..... -133.
 DEL D(18) OF WATER... -16.0

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSH, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00042

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SAVOIE WELL

GEOTHERM FILE ID: 0026055

LOCATION TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 15N 020E 23

STATE..... NEVADA

COUNTY..... CARSON CITY

MSP REFERENCE..... NEW EMPIRE 1124000

OTHER LOCALITY INFORMATION: 1385 PINYON

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1970/09/01 NEVADA CONSUMER HEALTH PROTECTION SERVICE

TEMPERATURE (C)..... 74.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

WATER ANALYSIS

P..... 8.08

ALKALINITY..... 32. AS CaCO3

TOTAL DISSOLVED SOLIDS... 1499.

ANALYSIS IN PPM

AG..... CO3..... N

AL..... CR..... MG... 5.

H..... F..... 4.0

BA..... FE+3..... NA+K... 89.

BE..... FE(TOT)... 0.38 NB...

CA..... 200. HCO3..... 39. SO4... 767.

CL..... 33.

OTHER ANALYTICAL DATA... HARDNESS: 68.

REFERENCE AND IDENTIFICATION

COMPILED BY..... GUSNY GEORGE E.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

ISOTOPES (0/00)

RECORD 00043

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0026028

NAME OF SAMPLE SOURCE... SMITH WELL

LOCATION TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 15N 020E 23

STATE..... NEVADA

COUNTY..... CARSON CITY

MSP REFERENCE..... NEW EMPIRE 1124000

OTHER LOCALITY INFORMATION: 1770 PINYON RD.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1970/09/01 NEVADA CONSUMER HEALTH PROTECTION SERVICES

TEMPERATURE (C)..... 32. AT (M)... 24.

WELL DEPTH (M)... 24.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

WATER ANALYSIS

P..... 8.01

ALKALINITY..... 32. AS CaCO3

TOTAL DISSOLVED SOLIDS... 1529.

ANALYSIS IN PPM

AG..... CO3..... N

AL..... CR..... MG... 5.

H..... F..... 4.3

BA..... FE+3..... NA+K... 133.

BE..... FE(TOT)... 0.08 NB...

CA..... 280. HCO3..... 39. SO4... 892.

CL..... 33.

OTHER ANALYTICAL DATA... HARDNESS: 720.

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00044

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... STONE WELL

GEOTHERM FILE ID: 0026029

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE 15N 02E 23

COORDINATES

LAT/LONG... 39-09.167N 119-42.117W

STATE..... NEVADA

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 1312 PINYON RD.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1978/09/01 NEVADA CONSUMER HEALTH PROTECTION SERVICE.

TEMPERATURE (C)..... 39.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

WATER ANALYSIS

pH..... 8.03

ALKALINITY..... 30. AS CaCO3

TOTAL DISSOLVED SOLIDS... 1554.

ANALYSIS IN PPM

AG..... CO3..... N

AL..... CR.....

BA..... F..... 4.3

HE..... FE+3.....

CA..... 261. MC03..... 37.

CL..... 31.

OTHER ANALYTICAL DATA... HARDNESS: 60L.

ISOTOPE (#200)

OTHER ANALYTICAL DATA... HARDNESS: 60L.

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00045

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... STONE WELL

GEOTHERM FILE ID: 0026030

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE 15N 02E 23

COORDINATES

LAT/LONG... 39-08.633N 119-42.050W

STATE..... NEVADA

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 2545 PINYON RD.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... OFFICE OF THE STATE ENGINEER.

TEMPERATURE (C)..... 25.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00046

GEOTHERM FILE ID: 0026044

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... TAYLOR WELL

LOCATION
COUNTRY... UNITED STATES TOWNSHIP-RANGE 15N 020E 23

COORDINATES
LAT/LONG... 39-08.817N 119-42.217W

STATE... NEVADA
COUNTY... CARSON CITY
MAP REFERENCE... NEW EMPIRE 1124000

OTHER LOCALITY INFORMATION: CAMUS RD.
SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... OFFICE OF THE STATE ENGINEER
TEMPERATURE (C)... 45. AT (M)... 29.
WELL DEPTH (M)... 29.
PERTINENT LITHOLOGY... QUATERNARY ALLUVIUM

REFERENCE AND IDENTIFICATION

COMPILED BY... GHUSN, GEORGE E.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00047

GEOTHERM FILE ID: 0026045

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... TERRY WELL

LOCATION
COUNTRY... UNITED STATES TOWNSHIP-RANGE 15N 020E 23 NE OF NE

COORDINATES
LAT/LONG... 39-09.317N 119-41.850W

STATE... NEVADA
COUNTY... CARSON CITY
MAP REFERENCE... NEW EMPIRE 1124000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... OFFICE OF THE STATE ENGINEER
TEMPERATURE (C)... 45.
PERTINENT LITHOLOGY... QUATERNARY ALLUVIUM

REFERENCE AND IDENTIFICATION

COMPILED BY... GHUSN, GEORGE E.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00048

GEOTHERM FILE ID: 0026041

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... THOMPSON WELL

LOCATION
COUNTRY... UNITED STATES TOWNSHIP-RANGE 15N 020E 23 NW OF NE

COORDINATES
LAT/LONG... 39-09.333N 119-42.100W

STATE... NEVADA
COUNTY... CARSON CITY
MAP REFERENCE... NEW EMPIRE 1124000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... OFFICE OF THE STATE ENGINEER
TEMPERATURE (C)... 35. AT (M)... 46.
WELL DEPTH (M)... 46.

PERTINENT LITHOLOGY... QUATERNARY ALLUVIUM

REFERENCE AND IDENTIFICATION

COMPILED BY... GHUSN, GEORGE E.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00049

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0026032

NAME OF SAMPLE SOURCE... TONNESEN WELL

LOCATION..... TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 020E 23

LAT/LONG... 39-08.98N 119-42.20W

STATE..... NEVADA

COUNTY..... CARSON CITY

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 5960 JUNIPER

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... OFFICE OF THE STATE ENGINEER

TEMPERATURE (C)..... 41. AT (M)..... 61.

WELL DEPTH (M)..... 61.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00050

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0001023

NAME OF SAMPLE SOURCE... ALLEN HOT SPRING

LOCATION..... TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 16N 029E 33

LAT/LONG... 39-12.6 N 118-46.2 W

STATE..... NEVADA

COUNTY..... CHURCHILL

GEOLOGIC PROVINCE...

MAP REFERENCE..... ALLEN SPRINGS, NEV. 1:62500

OTHER LOCALITY INFORMATION: 19 MILES SOUTH OF FALLON

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1953/09/07 MEWETT, D. F.

TEMPERATURE (C)..... 93.0

WATER ANALYSIS

DATE/ANALYST..... KRAMER, HENRY

PH..... 9.0

SPECIFIC CONDUCTANCE..... 2304.

CHARGE IMBALANCE (% DIFF)..... 1.0

ANALYSIS IN PPM

AL.....	CH.....	MG.....	0.2		
B..... 1.0	F..... 6.	NA.....	450.	S102.	135.
BR.....	FE(TOT).....	NB.....		S04..	436.
CA..... 45.	HC03..... 122.	NO3..	2.0		
CL..... 383.					
CO.....	K..... 22.				

ISOTOPIES (U/001)

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... WHITE, D., USGS, MENLO PARK

RECORD 00051

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074846

NAME OF SAMPLE SOURCE... BIG SODA LAKE

LOG ID#

COUNTRY... UNITED STATES
STATE... NEVADA
COUNTY... CHURCHILL

TOWNSHIP-RANGE

19N 028E 07 SE OF NE

COORDINATES

LAT/LONG... 39-31.6 N 118-52.0 W
UTM ZONE... 11
NORTHING... 4376696.
338698.

GEOLOGIC PROVINCE..

MAP REFERENCE... RENO 1:250000; SODA LAKE 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1967/00/00

TEMPERATURE (C)... 30.

OTHER SAMPLE INFORMATION.. SOME WARM SPRINGS APPARENTLY ENTER THE BOTTOM OF BIG SODA LAKE WHICH IS 200 FT DEEP.

REFERENCE IS ON PAGE 25.

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, B. A.

COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... BRESEE, 1968

RECORD 00052

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID# 0000603

NAME OF SAMPLE SOURCE... BRADY HOT SPRINGS

LOG ID#

COUNTRY... UNITED STATES
STATE... NEVADA
COUNTY... CHURCHILL

TOWNSHIP-RANGE

22N 026E 12 NE OF NE SW

COORDINATES

LAT/LONG... 39-47.21 N 119-01.01 W
UTM ZONE... 11
NORTHING... 4405802.
327740.

GEOLOGIC PROVINCE..

MAP REFERENCE... FIREBALL RIDGE 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)... 98.

OTHER SAMPLE INFORMATION.. WITHDRAWAL OF WATER DURING DRILLING MAY HAVE CAUSED THE SPRINGS' FLOW TO CEASE (HARRILL, 1970).

CATION ANALYSIS

P... 9.0

ANALYSIS

F...

NA...

SiO2.

242.

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY... RENNEN, J.

COMPILED AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE... OLMSTEAD AND OTHERS, 1975

RECORD 00053

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID# 0000690

NAME OF SAMPLE SOURCE... BRADY HOT SPRINGS

LOG ID#

COUNTRY... UNITED STATES
STATE... NEVADA
COUNTY... CHURCHILL

TOWNSHIP-RANGE

22N 026E 12 NE OF NE SW

COORDINATES

LAT/LONG... 39-47.3 N 119-01.0 W
UTM ZONE... 11
NORTHING... 4405800.
327750.

GEOLOGIC PROVINCE..

MAP REFERENCE... FIREBALL RIDGE 1:62500

OTHER LOCALITY INFORMATION: 1/3 MILE EAST OF U.S. 40 AT BRADY'S STATION

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 12/05/22 WHITE, DON E.

TEMPERATURE (C)... 94.0

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... RUSSELL, 1885

RECORD 00055

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BRADY HOT SPRINGS - MUD VOLCANO NO. 1

GEOTHERM FILE ID: 0000891

LOCATION

COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... CHURCHILL
 GEOLOGIC PROVINCE..

TOWNSHIP-RANGE

22N 026E 12

COORDINATES

LAT/LONG... 39-47.3 N 119-01.0 W
 UTM ZONE... 11
 NORTING... 4406000.
 327317.

MAP REFERENCE..... FIREBALL RIDGE 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1960/09/08 WHITE, DON E.

DEPOSITS OR ALTERATION... INACTIVE MUD VOLCANO, 5 FT. DIAMETER CONE 12-18 FT. ABOVE GROUND.

WATER ANALYSIS

DATE/ANALYST..... 1961/02/06 WHITEHEAD, H. C.

PH..... 7.3

SPECIFIC CONDUCTANCE..... 6240.

ALKALINITY..... 298. AS CaCO3

CHARGE IMBALANCE (% DIFF)... 6.2

ANALYSIS IN PPM

ANALYSIS IN PPM		ISOTOPES (U/UM)	
AG.....	CO3.....	LI.....	2.5
AL..... N	CR.....	MG.....	1.5
AS.....	CS.....	MN.....	N
B..... 8.2	F..... 6.6	NA.....	1170.
RE.....	FE(TOT)..... N	NB.....	5102. 0 109.
CA..... 117.	HCO3..... 269.	NU3.....	504.. 694.
CO.....	H2S.....	PU4.....	0.72
CL..... 1510.			
CO.....	K..... 91.		

ISOTOPES (U/UM)

OTHER ANALYTICAL DATA... CATION TOTALS IN EPM 59.55, ANION TOTALS IN EPM 61.79

QUALIFICATION FIELD.... SI02 DATA COLORIMETRIC, MAY NOT REPRESENT TOTAL.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... WHITE, D., USGS, MENLO PARK

RECORD 00056

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BRADY HOT SPRINGS - MUD VOLCANO NO. 2

GEOTHERM FILE ID: 0000894

LOCATION

COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... CHURCHILL
 GEOLOGIC PROVINCE..

TOWNSHIP-RANGE

22N 026E 12

NW OF SW SW

COORDINATES

LAT/LONG... 39-47. N 119-00.2 W
 UTM ZONE... 11
 NORTING... 4405445.
 327300.

MAP REFERENCE..... FIREBALL RIDGE 1:62500

OTHER LOCALITY INFORMATION: 15 MILES NE OF BRADY'S STATION NEAR BRADY'S HOT SPRINGS

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1960/09/08 WHITE, DON E.

TEMPERATURE (C)..... 0

WATER ANALYSIS

DATE/ANALYST..... 1961/04/11 WHITEHEAD, M. C.

P..... 4.7

SPECIFIC CONDUCTANCE..... 7290.

ALKALINITY..... 1150. AS CaCO₃

TOTAL DISSOLVED SOLIDS... 5930.

CHARGE IMBALANCE (% DIFF)... 24.9

ANALYSIS IN PPM

AG....	CO ₃	LI....	3.3		
AL....	CR....	MG....	26.		
B.... 7.1	F.... 2.4	NA....	1380.	SiO ₂ ..	149.
FE....	FE(TOT)...	NH....		SO ₄ ..	2760.
CA.... 412.	HCO ₃ 2.	NO ₃ ..	0.3		
CO....	H ₂ S....	PO ₄ ..	2.0		
CL.... 1070.					
CO....	K.... 114.				

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... TOTAL CATIONS IN EPM 86.29. TOTAL ANIONS 1 EPM 87.79.

QUALIFICATION FIELD... WATER TEMPERATURE REPORTED AS "BOILING".

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... WHITE, D. USGS, MENLO PARK

RECORD 00057

GEOCHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... BRADY HOT SPRINGS - MUD VOLCANO, NEW VENT

GEOCHEM FILE ID: 0000893

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 22N 026E 01 SE

STATE..... NEVADA

COUNTY..... CHURCHILL

MAP REFERENCE..... FIREBALL RIDGE 1:62500

LAT/LONG... 39-47.65 N 119-00.2 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1960/07/07 FETH, J. M.

DISCHARGE..... 3.6 L/MIN

WATER TREATMENT..... SAMPLES UNFIXED, FILTERED THRU MILLIPORE OR FIXED, ACETIFORM

OTHER SAMPLE INFORMATION.. BASIN DRAINED OF STANDING WATER AND NEW FLOW COLLECTED, VERY MUDDY

WATER ANALYSIS

DATE/ANALYST..... 1961/07/25 WHITEHEAD, M. C.

P..... 7.3

SPECIFIC CONDUCTANCE..... 1210.

ALKALINITY..... 120. AS CaCO₃

TOTAL DISSOLVED SOLIDS... 1050.

CHARGE IMBALANCE (% DIFF)... 0.0

ANALYSIS IN PPM

AG....	CO ₃	LI....	0.19		
AL.... 0.09	CR....	MG....	2.6		
AS.... 0.35	CS....	MN....	0.5		
B.... 2.4	F.... 5.6	NA....	200.	SiO ₂ ..	168.
FE....	FE(TOT)...	NH....		SO ₄ ..	341.
SI....	GA....	NH ₄ ..	N	SR....	1.1
BR.... N					
CA.... 44.	HCO ₃ 204.	NO ₃ ..	N		
CO....	H ₂ S....	PO ₄ ..	2.1		
CL.... 43.	I.... 0.6				
CO....	K.... 31.				

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... TOTAL CATION IN EPM 11.96. TOTAL ANION IN EPM 11.94.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... WHITE, D., USGS, MENLO PARK

RECORD 00058

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... GRADY HOT SPRINGS - STEAM WELL

GEOTHERM FILE ID: 0000892

LOCATION

SHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 22N 026E 12 NW OF SW SW
 STATE..... NEVADA
 COUNTY..... CHURCHILL
 GEOLOGIC PROVINCE..

LAT/LONG... 39-47. N 119-01. W
 UTM ZONE... 711
 NORTHING... 4405445.
 327304.

MAP REFERENCE..... FIREBALL RIDGE 1:62500

OTHER LOCALITY INFORMATION: 18 MILES NE OF FERNLEY, NEV.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1960/06/10 LOELTZ, UMAN

WATER ANALYSIS

DATE/ANALYST..... 1960/06/10 WHITEHEAD, M. C.

P..... 7.3

SPECIFIC CONDUCTANCE..... 4090.

ALKALINITY..... 138.

CHARGE IMBALANCE (% DIFF)..... 0.0

AS CAC03

ANALYSIS IN PPM

ISOTOPES (0/00)

AG.....	CO3.....	LI... 1.8			
AL..... 0.52	CR.....	MG... 1.2			
AS..... 0.15	CS.....	MN... N			
AU.....	CU..... N				
B..... 6.0	F..... 7.6	NA... 780.	SI02.	242.	
BE.....	FE(TOT) 0.08	NB...	SO4...	377.	
BI.....	GA.....	NH4... N	SR...	1.9	
BR..... 2.1					
CA..... 53.	HC03..... 162.	N03.. 0.4			
CA+MG.	MG.....	PB... N			
CD.....	M2S.....	PO4.. 0.22			
CL..... 970.	I..... N				
CO.....	K..... 65.	ZN... N			

OTHER ANALYTICAL DATA... CATION TOTAL IN EPM - 38.59, ANION TOTAL IN EPM - 38.50.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... HARRILL, 1970

RECORD 00059

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... GRADY'S (SPRINGER'S, FERNLEY) HOT SPRINGS

GEOTHERM FILE ID: 0074071

LOCATION

SHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 22N 026E 12 NE OF SE SW
 STATE..... NEVADA
 COUNTY..... CHURCHILL
 GEOLOGIC PROVINCE..

LAT/LONG... 39-47.0 N 119-00.7 W
 UTM ZONE... 711
 NORTHING... 4405436.
 327732.

MAP REFERENCE..... RENO 1:250000, FIREBALL RIDGE 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... R 84.1
 DISCHARGE..... 189. L/MIN.
 OTHER SAMPLE INFORMATION.. TEMPERATURE RANGE: 0-98 C. FUMARoles AND HOT SPRINGS. WARING NO. 12.
 QUALIFICATION FIELD..... RANGE OF TEMPERATURE IS 70-98.3 DEGREES C.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... WARING, 1965

RECORD 00050

GEOHERM SAMPLE FILE

GEOHERM FILE ID: 0074042

NAME OF SAMPLE SOURCE... BRADY'S HOT SPRINGS AREA - WELLS
 LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE 22N 026E 12
 STATE..... NEVADA
 COUNTY..... CHURCHILL
 GEOLOGIC PROVINCE..
 MAP REFERENCE..... MEND 1:250000, FIREBALL RIDGE 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES

COORDINATES

LAT/LONG... 39-47.0 N 119-00.7 W
 UTM ZONE... 11
 NORTHING... 4405436.
 327732.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 147.8
 WELL DEPTH (M)..... 4
 OTHER SAMPLE INFORMATION.. MAGMA POWER CO. AND VULCAN THERMAL POWER COMPANY.
 QUALIFICATION FIELD..... SEVERAL WELLS 73.4-548.6 M DEEP.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... WHITE, 1955

RECORD 00061

GEOHERM SAMPLE FILE

GEOHERM FILE ID: 0074365

NAME OF SAMPLE SOURCE... BRADY'S HOT SPRINGS- UNION OIL OF CALIFORNIA, SP-BRADY'S NO. 1
 API NUMBER..... 27-001-90010
 LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE 22N 026E 01 NE OF SW SE
 STATE..... NEVADA
 COUNTY..... CHURCHILL
 GEOLOGIC PROVINCE..
 MAP REFERENCE..... MEND 1:250000, FIREBALL RIDGE 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES. LOCATION GIVEN AS NE/4 SW/4 SE/4.
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1974/06/11
 TEMPERATURE (C)..... 188.3
 WELL DEPTH (M)..... 2217.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GARSIDE AND SCHILLING, 1979

RECORD 00062

GEOHERM SAMPLE FILE

GEOHERM FILE ID: 0074364

NAME OF SAMPLE SOURCE... BRADY'S HOT SPRINGS-EARTH ENERGY INC. 1 R BRADY EE NO. 1
 API NUMBER..... 27-001-90007

LOCATION TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 22N 026E 12

STATE..... NEVADA

COUNTY..... CHURCHILL

GEOLOGIC PROVINCE..

MAP REFERENCE..... NENO 1:250000, FIREBALL RIDGE 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1964/00/00

TEMPERATURE (C)..... 212.2

WELL DEPTH (M)..... 1543.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GARSIDE AND SCHILLING, 1979

COORDINATES

LAT/LONG... 39-47.2 N 119-00.6 W

UTM ZONE... 11

NORTHING... 4405803.

327883.

RECORD 00063

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BRADY'S HOT SPRINGS-EARTH ENERGY INC. BRADY PRUS. NO. 1

GEOTHERM FILE ID: 0074362

API NUMBER..... 27-001-90008

LOCATION

COUNTRY..... UNITED STATES 22N 026E 12

STATE..... NEVADA

COUNTY..... CHURCHILL

GEOLOGIC PROVINCE..

MAP REFERENCE..... NENO 1:250000, FIREBALL RIDGE 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 179.4

WELL DEPTH (M)..... 536.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GARSIDE AND SCHILLING, 1979

COORDINATES

LAT/LONG... 39-47.2 N 119-00.6 W

UTM ZONE... 11

NORTHING... 4405803.

327883.

RECORD 00064

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BRADY'S HOT SPRINGS-MAGMA POWER CO. BRADY NO. 2

GEOTHERM FILE ID: 0074043

LOCATION

COUNTRY..... UNITED STATES 22N 026E 12 NE OF NE SW

STATE..... NEVADA

COUNTY..... CHURCHILL

GEOLOGIC PROVINCE..

MAP REFERENCE..... NENO 1:250000, FIREBALL RIDGE 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 165.6

WELL DEPTH (M)..... 73.

OTHER SAMPLE INFORMATION, API NO. 27-001-90001.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GARSIDE AND SCHILLING, 1979

COORDINATES

LAT/LONG... 39-47.2 N 119-00.6 W

UTM ZONE... 11

NORTHING... 4405803.

327883.

RECORD 00065

GEOTHERM FILE ID: 0074033

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CARSON DESERT WELL

LOCATION

COUNTRY..... UNITED STATES

STATE..... NEVADA

COUNTY..... CHURCHILL

GEOLOGIC PROVINCE... 22

MAP REFERENCE..... NENO 1:250000, CARSON LAKE 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES; LOCATION GIVEN AS N/2

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1977/03/13

TEMPERATURE (C)..... 70.0

OTHER SAMPLE INFORMATION... FLUWING.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GARSIDE AND SCHILLING, 197.

RECORD 00066

GEOTHERM FILE ID: 0074366

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... DESERT PEAK-PHILLIPS PETRO. CO. DESERT PEAK # NO. 21-1

API NUMBER..... 27-001-90015

LOCATION

COUNTRY..... UNITED STATES

STATE..... NEVADA

COUNTY..... CHURCHILL

MAP REFERENCE..... DESERT PEAK, NEV. 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1976/00/00

TEMPERATURE (C)..... 207.8

WELL DEPTH (M)..... 1265.

PERTINENT LITHOLOGY..... MESOZOIC METAVOLCANIC AND METASEDIMENTARY ROCKS BELOW A SEQUENCE OF MIOCENE VOLCANIC ROCKS, STEAM AND WATER MIXTURE IS PRODUCED FROM FRACTURED META-ANDESITE.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GARSIDE AND SCHILLING, 1979

RECORD 00067

GEOTHERM FILE ID: 0074040

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... DESERT PEAK-PHILLIPS PETROLEUM CO. DESERT PEAK-B NO. 21-2

API NUMBER..... 27-001-90016

LOCATION

COUNTRY..... UNITED STATES

STATE..... NEVADA

COUNTY..... CHURCHILL

GEOLOGIC PROVINCE...

MAP REFERENCE..... NENO 1:250000, DESERT PEAK 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1977/02/00
 TEMPERATURE (C)..... 198.9
 WELL DEPTH (M)..... 974.
 PERTINENT LITHOLOGY..... MESOZOIC METAVOLCANIC AND METASEDIMENTARY ROCKS BELOW A SEQUENCE OF MIOCENE VOLCANIC
 ROCKS. STEAM AND WATER MIXTURE IS PRODUCED FROM FRACTURED META-ANDESITE.
 OTHER SAMPLE INFORMATION... DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES
 WATER ANALYSIS
 TOTAL DISSOLVED SOLIDS... 7500.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GARSIDE AND SCHILLING, 1979

RECORD 00068

GEOCHEMICAL SAMPLE FILE

GEOCHEMICAL FILE NO: 0000653

NAME OF SAMPLE SOURCE... DIXIE HOT SPRINGS
 WELLS NUMBER..... 71A

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 22N 035E 05 SE
 STATE..... NEVADA
 COUNTY..... CHURCHILL
 GEOLOGIC PROVINCE...
 M.P. REFERENCE..... RENO 1:250000, DIXIE HOT SPRINGS 1:62500

LAT/LONG... 39-47.86 N 118-04.04 W
 UTM ZONE... 11
 NORTHING... 4405636.
 408621.

OTHER LOCALITY INFORMATION: ALSO IN NE 1/4 OF SEC. 8.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP
 TEMPERATURE (C)..... 72.0
 DISCHARGE..... 200. L/MIN

WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETRE MEMBRANE FILTER, DILUTED

DEPOSITS OR ALTERATION... NO SPRING DEPOSITS DETECTED

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM, TERTIARY VOLCANICS, POSSIBLY LATE MESOZOIC INTRUSIVE AND METAMORPHIC
 ROCKS NEAR SPRING.

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

PH..... 8.6
 SPECIFIC CONDUCTANCE..... 914.
 ALKALINITY..... 133. AS HCO3
 CHARGE IMBALANCE (% DIFF)... 2.6

ANALYSIS IN MG/L

AG....		CO3.....	11.	LI....	0.38	S....	
AL....	0.015	CR.....		MG....	0.02	SB....	
AS....		CS.....	0.1	MA....	0.02		
AU....		CU.....	L 0.01				
B....	0.89	F.....	16.	NA....	190.	SI02..	145.
BE....		FE(TOT). L	0.02	NB....		S04..	111.
BI....		GA.....		NH4..		SR....	L 0.05
CA....	3.0	HCO3....	111.				
CA+MG.		MG.....	0.0010				
CO....		N2S.....		P04..	0.18		
CL....	120.						
CO....		K.....	6.5	RB....	0.07		

ISOTOPES (0/000)

DEL O OF WATER..... -126.1
 DEL O(18) OF WATER... -15.89

OTHER ANALYTICAL DATA... PHOSPHORUS AS P = .06

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

RECORD 00069

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... E.M. STARK WELL

GEOTERM FILE ID: 0074045

LOCATION

TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 21N 034E 36 SW

STATE..... NEVADA

COUNTY..... CHURCHILL

GEOLOGIC PROVINCE.. 22

MAP REFERENCE..... RENO 1:250000; OXIE VALLEY 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1963/07/23

TEMPERATURE (C)..... 22.8

WELL DEPTH (M)..... 61.

DISCHARGE..... 2.3785 L/MIN

OTHER SAMPLE INFORMATION.. USED FOR IRRIGATION

WATER ANALYSIS

P..... 7.6

SPECIFIC CONDUCTANCE..... 435.

TOTAL DISSOLVED SOLIDS... 297.

CHARGE BALANCE (% DIFF)... 2.7

ANALYSIS IN PPM

CO₂.....

CO₃.....

AL.....

CR.....

B..... 0.3

F..... 6.

MG..... 2.2

RE.....

FE(TOT)... 0.01

NA..... 68.

SI02... 54.

QA..... 16.

MCU3..... 86.

VB.....

S04... 80.

CA+MG... 49.

MCU3..... 86.

NO3... 1.1

CL..... 26.

CO.....

K..... 3.

ISOTOPES (0/001)

OTHER ANALYTICAL DATA... SAR = 4.2, KSC = 0.43
QUALIFICATION FIELD..... DISCHARGE REPORTED AS 1000 GPM

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUEHL, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... CUMEN AND EVERETT, 1963

RECORD 00070

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... EIGHTMILE FLAT, SOMAX SPRING

GEOTERM FILE ID: 0074266

LOCATION

TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 17N 030E 14 NE

STATE..... NEVADA

COUNTY..... CHURCHILL

GEOLOGIC PROVINCE.. 22

MAP REFERENCE..... RENO 1:250000; CARSON LAKE 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 81.1

OTHER SAMPLE INFORMATION.. NOT FLOWING

REFERENCE AND IDENTIFICATION

COORDINATES

LAT/LONG... 39-20.5 N 110-34.7 W

UTM ZONE... 11

NORTHING... 4355672.

363982.

COMPILED BY..... KUENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... HAWING, 1965

RECORD 00071

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0000599

NAME OF SAMPLE SOURCE... FLOWING WELL IN STILLWATER

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 19N 03E 07 SW

LAT/LONG... 39-31.29 N 118-33.13 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... CHURCHILL

NORTHING... 4375592.

GEOLOGIC PROVINCE..

366581.

MAP REFERENCE..... NENO 1:250000, STILLWATER 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP

TEMPERATURE (C)..... 95.

WATER TREATMENT..... PRESSURE - FILTERED THROUGH A .45 MICROMETER MEMBRANE, DILUTED

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM AND TERTIARY BASALT(?).

OTHER SAMPLE INFORMATION.. HIGH CHLORIDE BUILDING; ESTIMATED THERMAL AQUIFER GREATER THAN 140 DEGREES CELSIUS.

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

PH..... 7.57

SPECIFIC CONDUCTANCE..... 6910.

ALKALINITY..... 92.

AS HCO3

CHANGE IN BALANCE (8 DIFF)..... 5.5

ANALYSIS IN MU/L

ISOTOPES (0/000)

AG..... CO3..... L 1.0

LI... 1.7 S...

DEL D OF WATER..... -110.2

AL..... CH.....

MG... 1.7 SB...

DEL O(18) OF WATER... -12.36

AS..... CS..... 0.2

H..... 15. F..... 5.0

NA... 1480. SIJ2. 170.

RE..... FE(OT)...

NO... 190.

SI..... GA.....

NH4... 4.4 SX... 5.7

CA..... 108. HCO3.... 90.

CL..... 2200.

CO..... K..... 42.

NO... 0.22

OTHER ANALYTICAL DATA... NH3 AS N = 3.4

QUALIFICATION FIELD..... BUILDING SPRING.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... MARINER AND OTHERS, 1974; MARINER AND OTHERS, 1975

RECORD 00072

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074847

NAME OF SAMPLE SOURCE... FRANK VINSON WELL NO. 5

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 21N 03E 19 NW

LAT/LONG... 39-40.6 N 118-05.3 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... CHURCHILL

NORTHING... 4392228.

GEOLOGIC PROVINCE..

406660.

MAP REFERENCE..... NENO 1:250000, DIXIE VALLEY 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1951/08/21

TEMPERATURE (C)..... 21.1
 WELL DEPTH (M)..... 61.
 DISCHARGE..... 95. L/MIN
 OTHER SAMPLE INFORMATION... FLOWING, USED FOR IRRIGATION.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... COHEN AND EVERETT, 1963

RECORD 00073

GEOCHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... MATTON WELL NO. 1
 LOCATION
 COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... CHURCHILL
 GEOLOGIC PROVINCE... 22
 MAP REFERENCE..... NAD 1:250000, DIXIE VALLEY 1:24000
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.

GEOCHEM FILE NO: 0074848

COORDINATES
 LAT/LONG... 39-40.6 N 118-03.7 W
 UTM ZONE... 11
 NUTM NO... 4392201
 400947.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1952/05/01
 TEMPERATURE (C)..... 21.7
 WELL DEPTH (M)..... 61.
 DISCHARGE..... 151. L/MIN

OTHER SAMPLE INFORMATION... USED FOR IRRIGATION AND DOMESTIC PURPOSES.

WATER ANALYSIS

pH..... 8.2
 SPECIFIC CONDUCTANCE..... 301.
 TOTAL DISSOLVED SOLIDS... 207.
 CHARGE IMBALANCE (+ DIFF)... 1.2

ANALYSIS IN PP4

AG.....	CO3.....				
AL.....	CH.....	MG...	0.9		
CL..... 0.08	FE..... 6.9	NA...	72.	SI02.	63.
DE.....	FE(TOT)... 0.04	NO...		SO4...	60.
CA..... 12.	HC03.... 98.	NO3...	0.9		
CA+MG... 34.					
CL.... 21.					
CO.....					
	K..... 2.0				

ISOTOPE (0/00)

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3= CA-MG 34.1 NON-CARBONATE=M

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... DESERT RESEARCH INSTITUTE, 1973

RECORD 00674

GEOCHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... MATTON WELL NO. 3
 LOCATION
 COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... CHURCHILL
 MAP REFERENCE..... NAD 1:250000, DIXIE VALLEY 1:24000
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.

GEOCHEM FILE NO: 0074849

COORDINATES
 LAT/LONG... 39-41.2 N 118-03.7 W
 UTM ZONE... 11

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1951/08/22

TEMPERATURE (C)..... 21.7

WELL DEPTH (M)..... 65.

DISCHARGE..... 57. L/MIN

OTHER SAMPLE INFORMATION, FLUORINE, USED FOR IRRIGATION.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... COMEN AND EVERETT, 1963

RECORD 00075

GEOHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... LEE HUT SPRINGS

WAKING NUMBER..... 74A

GEOHEM FILE ID: 0074265

LOCATION

COUNTRY..... UNITED STATES

STATE..... NEVADA

COUNTY..... CHURCHILL

GEOLOGIC PROVINCE...

MAP REFERENCE..... NENO 1:250000, ALLEN SPRINGS 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

1045MIP-RANGE

16N 029E 34 NW

COORDINATES

LAT/LONG... 39-12.6 N 118-43.4 W

UTM ZONE... 11

NORTHING... 4341267.

351267.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 77.7

DISCHARGE..... 95. L/MIN

DEPOSITS OR ALTERATION... DEPOSITS OF SILICEOUS SINTER.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WAKING, 1965

RECORD 00076

GEOHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... LEE HUT SPRINGS

WAKING NUMBER..... 74-A

GEOHEM FILE ID: 0000609

LOCATION

COUNTRY..... UNITED STATES

STATE..... NEVADA

COUNTY..... CHURCHILL

GEOLOGIC PROVINCE...

MAP REFERENCE..... NENO 1:250000, ALLEN SPRINGS 1:62500

OTHER LOCALITY INFORMATION: UNSURVEYED

1045MIP-RANGE

16N 029E 34 SW OF 4N

COORDINATES

LAT/LONG... 39-12.55 N 118-43.39 W

UTM ZONE... 11

NORTHING... 4341175.

351220.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP

TEMPERATURE (C)..... 83.0

DISCHARGE..... 128. L/MIN

WATER TREATMENT..... PRESSURE - FILTERED THROUGH A .45 MICROMETER MEMBRANE, DILUTED.

DEPOSITS OR ALTERATION... CaCO₃ AND SILICA APRON DEPOSITED AROUND SPRING.

PERTINENT LITHOLOGY..... MIOCENE TO PLIOCENE VOLCANIC ROCKS

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

P..... 7.4

SPECIFIC CONDUCTANCE..... 2430.

ALKALINITY..... 116. AS HCO₃

CHARGE IMBALANCE (A DIFF) ... 0.9

ANALYSIS IN MG/L

AG....
 AL.... 0.027
 AS.... 0.04
 AU....
 B.... 2.4
 BE....
 BI....
 BR.... 1.
 CA.... 44.
 CA+MG.
 CD....
 CL.... 380.
 CO....

CO3.... L 1.0
 CR....
 CS.... 0.1
 CU.... 0.01
 F.... 7.4
 FE(TOT). L 0.02
 GA....
 HCO3.... 114.
 HG.... L 0.0001
 I....
 K.... 26.

LI... 0.7
 MG... 0.6
 MN... 0.06
 NA... 450.
 ND...
 NH4... 0.28
 P04... 0.12
 RD... 0.22

S....
 SB...
 SI02... 180.
 SI04... 70.
 SR... 1.0

ISOTOPES (U/UN)

DEL O OF WATER..... -12.8
 DEL O(18) OF WATER... -13.21

OTHER ANALYTICAL DATA... NH3 AS N = 0.221 PHOSPHATE AS P = 0.04

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... MARINER AND OTHERS, 1974B1 MARINER AND OTHERS, 1975

RECORD 00077

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... LEE HOT SPRINGS WELL

WELLING NUMBER..... 74-A

LOCATION

COUNTRY..... UNITED STATES 16° 02'N 34° 50' W
 STATE..... NEVADA
 COUNTY..... CHURCHILL

GEOLOGIC PROVINCE..

MAP REFERENCE..... NED 1:250000, ALLEN SPRINGS 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 91.1

OTHER SAMPLE INFORMATION.. TEMPERATURE TAKEN 3FT BELOW SURFACE. SOURCE OF HOT WATER PRESENTLY FLOWING FROM LEE HOT SPRINGS.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GANSIUE AND SCHILLING, 1979

RECORD 00078

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SMALLON RESEARCH WELL (SODA LAKE), 5

LOCATION

COUNTRY..... UNITED STATES 39° 02'N 32° 00' W
 STATE..... NEVADA
 COUNTY..... CHURCHILL

MAP REFERENCE..... NED 1:250000, SODA LAKE 1:62500

OTHER LOCALITY INFORMATION: LOCATION BY LAT.-LONG. ESTIMATED.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1974/00/00 MARINER GROUP

TEMPERATURE (C)..... 22.

WATER TREATMENT..... PRESSURE-FILTERED THROUGH A .45 MICROMETRE MEMBRANE, PORTION ACIDIFIED, DILUTED.

GEOTHERM FILE ID: 0000821

COORDINATES

LAT/LONG... 39-33.5 N 110-51.5 W

WATER ANALYSIS

DATE/ANALYST..... 1974/00/00 U.S.G.S.. SALT LAKE CITY, UTAH

P..... 9.2

SPECIFIC CONDUCTANCE..... 978.

ALKALINITY..... 134. AS HCO3

CHARGE IMBALANCE (% DIFF).... 0.0

ANALYSIS IN MG/L

AG....		CO3....		LI....	0.05	S....	
AL....	0.003	CR....		MG....	4.5	SB....	
AS....		CS....	L 0.1	MN....	L 0.02		
AU....		CU....	L 0.01				
B....	0.35	F....	0.2	NA....	180.	SI02.	6.6
BE....		FE(TOT)...	L 0.02	NB....		SO4...	210.
BI....		GA....		NH4...	0.39		
CA....	25.	HCO3....	134.				
CA+MG.		MG....	L 0.0001				
CL....	110.						
CO....		K....	8.2	RS....	L 0.02		

ISOTOPES (0/00)

DEL D OF WATER..... -111.3

DEL O(18) OF WATER... -14.56

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... MARINER AND OTHERS, 1975

RECORD 00079

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0000622

NAME OF SAMPLE SOURCE... SHALLON RESEARCH WELL (SODA LAKE), 4

LOCATION TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 26N 28E 28 S4

STATE..... NEVADA

COUNTY..... CHURCHILL

GEOLOGIC PROVINCE..

MAP REFERENCE..... NAD 1:250000, SODA LAKE 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1974/00/00 MARINER GROUP

SAMPLE NUMBER..... 10 4

TEMPERATURE (C)..... 100.

WATER TREATMENT..... PRESSURE-FILTERED THROUGH A .45 MICROMETER MEMBRANE, PORTION ACIDIFIED, DILUTED

WATER ANALYSIS

DATE/ANALYST..... 1974/00/00 U.S.G.S.. SALT LAKE CITY, UTAH

P..... 7.86

SPECIFIC CONDUCTANCE..... 5110.

ALKALINITY..... 144. AS HCO3

CHARGE IMBALANCE (% DIFF).... 5.7

ANALYSIS IN MG/L

AG....		CO3....		LI....	1.4	S....	
AL....	0.003	CR....		MG....	2.1	SB....	
AS....		CS....	0.2	MN....	0.07		
AU....		CU....	0.01				
B....	5.7	F....	0.6	NA....	1000.	SI02.	100.
BE....		FE(TOT)...	0.05	NB....		SO4...	300.
BI....		GA....		NH4...	2.1	SR....	L 0.05
CA....	82.	HCO3....	144.				
CA+MG.		MG....	0.0003				
CL....	1500.						
CO....		K....	48.	RS....	0.27		

ISOTOPES (0/00)

DEL D OF WATER..... -109.3

DEL O(18) OF WATER... -13.46

OTHER ANALYTICAL DATA... 4H3 AS N = 1.6

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... MARINER AND OTHERS, 1975

RECORD 00030

GEOTERM SAMPLE FILE

GEOTERM FILE 101 0074039

NAME OF SAMPLE SOURCE... SODA LAKES-UPSAL HUGBACK (WELL?)

LOCATION

104YSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 20N 028E 28
 STATE..... NEVADA
 COUNTY..... CHURCHILL
 GEOLOGIC PROVINCE..

LAT/LONG... 39-34.0 N 118-51.2 W
 UTM ZONE... 11
 NORTHING... 4381095.
 340795.

MAP REFERENCE..... KEYD 1:250000; SODA LAKE 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 95.9

OTHER SAMPLE INFORMATION.. UNIFICE COVERED BY CONCRETE. (A WELL?)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... HOSE AND TAYLOR, 1974

RECORD 00081

GEOTERM SAMPLE FILE

GEOTERM FILE 101 0074044

NAME OF SAMPLE SOURCE... STILLWATER, L.M. GREENWOOD'S STORE WELL

LOCATION

104YSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 19N 031E 07 SW OF SA
 STATE..... NEVADA
 COUNTY..... CHURCHILL
 GEOLOGIC PROVINCE..

LAT/LONG... 39-31.6 N 118-32.7 W
 UTM ZONE... 11
 NORTHING... 4375772.
 300610.

MAP REFERENCE..... KEYD 1:250000; STILLWATER 1:62500

OTHER LOCALITY INFORMATION: 520 FT. EAST AND 600 FT. NORTH OF THE SW CORNER OF SECTION 7.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1965/10/27

TEMPERATURE (C)..... 87.3

WELL DEPTH (M)..... 70

OTHER SAMPLE INFORMATION.. CASED TO 100 FT. NONCOMBUSTIBLE GAS ACCUMULATES IN A HEAT RADIATOR. WELL IS FLOWING.

GAS ANALYSIS

ANALYSIS IN %

CH4... 6.5

C2H6...

CO2... 1.0

N2... 87.

ISOTOPE (00/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MORRISON, 1964

RECORD 00082

GEOTERM SAMPLE FILE

GEOTERM FILE 101 0074048

NAME OF SAMPLE SOURCE... STILLWATER, ONEILL GEOTHERMAL INC. (OLIPHANT) KEYNOLDS NO.1

API NUMBER..... 27-001-90009

LOCATION
 COUNTRY..... UNITED STATES 104 031E 06 NE OF SN SN
 STATE..... NEVADA
 COUNTY..... CHURCHILL
 GEOLOGIC PROVINCE..
 MAP REFERENCE..... REVO 1:250000, STILLWATER 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES. LOCATION GIVEN AS NE/4 SN/4 SN/4
SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1954/00/00
 TEMPERATURE (C)..... 136.1
 WELL DEPTH (M)..... 1291.
 OTHER SAMPLE INFORMATION.. DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES LOCATION GIVEN AS NE/4 SN/4 SN/4
REFERENCE AND IDENTIFICATION
 COMPILED BY..... KUENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GARSIDE AND SCHILLING, 1979

RECORD 00083

GEOHEM SAMPLE FILE
 NAME OF SAMPLE SOURCE... TEST HOLE DM-1
 GEOHEM FILE 101 0074855

LOCATION
 COUNTRY..... UNITED STATES 104 029E 17 SN
 STATE..... NEVADA
 COUNTY..... CHURCHILL
 GEOLOGIC PROVINCE..
 MAP REFERENCE..... REVO 1:250000, WEBER RESERVOIR 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.
SAMPLE DESCRIPTION AND CONDITIONS
 TEMPERATURE (C)..... 22.3 AT (M)..... 30.
REFERENCE AND IDENTIFICATION
 COMPILED BY..... KUENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... OLMSHEAD AND OTHERS, 1973

RECORD 00084

GEOHEM SAMPLE FILE
 NAME OF SAMPLE SOURCE... TOM ORMECHEA WELL
 GEOHEM FILE 101 0074850

LOCATION
 COUNTRY..... UNITED STATES 120 038E 06 SE
 STATE..... NEVADA
 COUNTY..... CHURCHILL
 GEOLOGIC PROVINCE.. 22
 MAP REFERENCE..... EDWARDS CREEK VALLEY 1:62500, MILLETT 1:250000
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.
SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1950/00/00
 TEMPERATURE (C)..... 24.4
 WELL DEPTH (M)..... 31.
 DISCHARGE..... 189. L/MIN
 OTHER SAMPLE INFORMATION.. FLOWING WELL.
REFERENCE AND IDENTIFICATION
 COMPILED BY..... KUENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... EVERETT, 1954.

RECORD 0003

GEOCHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... WELL COAM-2A

GEOCHEM FILE ID: 0074551

LOC:IRON

LOVSMP-NAME

COORDINATES

COUNTRY... UNITED STATES 20N 028E 22 NE OF SA ND
 STATE... NEVADA
 COUNTY... CHURCHILL
 GEOLOGIC PROVINCE...

LAT/LONG... 39-35.25 N 118-44.97 W
 UTM ZONE... 11
 NORTHING... 4383311
 342603

MAP REFERENCE... MENU 1:250000 SODA LAKE 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1977/05/06
 TEMPERATURE (C)... 31.1
 WELL DEPTH (M)... 27

WATER ANALYSIS

SPECIFIC CONDUCTANCE... 4980
 CHARGE IMBALANCE (P DIFF)... 0.2

ANALYSIS IN PPM

AG....		CU3....		LI....	1.7		
AL....		CR....		MG....	9.		
B....	6.1	F....	0.8	NA....	940.	SI02.	50.
BE....		FE(OT)...		NB....		SO4...	20.
BR....	3.0						
CA....	20.	HCU3....	354.	NU3..	0.2		
CL....	1400.						
CO....		K....	100.				

ISOTOPES (P/00)

OTHER ANALYTICAL DATA... SAD = 41.

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE... *USGS WATERSTORE FILE, 1977

RECORD 0006

GEOCHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... A.G. KLINGER WELL

GEOCHEM FILE ID: 007477

WELL/SPRING NUMBER... 225-062E-09-C001

LOC:IRON

LOVSMP-NAME

COORDINATES

COUNTRY... UNITED STATES 225 062E 09 NW OF SE SW
 STATE... NEVADA
 COUNTY... CLARK
 GEOLOGIC PROVINCE...

LAT/LONG... 36-02.75 N 115-03.55 W
 UTM ZONE... 11
 NORTHING... 3990574
 614036

MAP REFERENCE... LAS VEGAS 1:250000 LAS VEGAS SE 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1944/08/30
 TEMPERATURE (C)... 23.9
 WELL DEPTH (M)... 33
 DISCHARGE... 102. L/MIN.

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE... HAREY AND JAMESON, 1948

RECORD 00057

GEOHERM SAMPLE FILE

GEOHERM FILE ID: 0074529

NAME OF SAMPLE SOURCE... A.J. AND L.C. WOOD WELL
WELL/SPRING NUMBER... 215-001E-26-8892

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 21S 06E 26 NE OF SW NW
STATE... NEVADA
COUNTY... CLARK
GEOLOGIC PROVINCE... 24
MAP REFERENCE... LAS VEGAS 1:250000 LAS VEGAS SW 1:24000LAT/LONG... 36-05.9 N 115-07.9 W
UTM ZONE... 11
NORTHING... 3996270
EASTING... 668192

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1945/11/13

TEMPERATURE (C)... 25.6

WELL DEPTH (M)... 181

DISCHARGE... 511 L/MIN

OTHER SAMPLE INFORMATION: PUBLIC WATER SUPPLY

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... MAXEY AND JAMESON, 1948

RECORD 00053

GEOHERM SAMPLE FILE

GEOHERM FILE ID: 0074502

NAME OF SAMPLE SOURCE... BLACK CANYON AREA

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 23S 06SE 03 SE OF SE SW
STATE... NEVADA
COUNTY... CLARK
GEOLOGIC PROVINCE... 24
MAP REFERENCE... KINGMAN 1:250000 BLACKCANYON 1:62500 RINGBOLT RAPIDS 1:24000LAT/LONG... 35-57.82 N 114-44.02 W
UTM ZONE... 11
NORTHING...

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES. HOT SPRING IS IN A SIDE CANYON 1/2 MILE WEST OF COLORADO RIVER.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1975/01/15

TEMPERATURE (C)... 27.2

DISCHARGE... 170 L/MIN

WATER ANALYSIS

pH... 7.5

SPECIFIC CONDUCTANCE... 5200

TOTAL DISSOLVED SOLIDS... 2740

CHARGE IMBALANCE (8 DIFF)... 3.6

ANALYSIS IN PPM

AG... 7.5

AL... 1.2

B... 290

BE... 1100

CA... 15

CL... 0.01

CO... 48

F... 0.01

FE(TOT)... 0.01

HCO3... 0.01

Mg... 0.01

Na... 0.01

SiO2... 0.01

SO4... 0.01

ISOTOPIES (0/001)

OTHER ANALYTICAL DATA... CO2 = 1.2, SAH = 10.

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE... USGS, WATERSTORE

RECORD 00089

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BLACK CANYON AREA

GEOTHERM FILE NO: 00745.1

LOCATION

TOWNSHIP-RANGE

COUNTRY... UNITED STATES 23S 06SE 05 SE OF 4th S

COORDINATES

STATE... NEVADA

LAT/LONG... 35-55.8 N 114-44.8 W

COUNTY... CLARK

UTM ZONE... 11

GEOLOGIC PROVINCE...

NORTHING... 3983876

MID REFERENCE...

703010

OTHER LOCALITY INFORMATION: KINGMAN 1:250000, BLACK CANYON 1:62500, RINGBOLT RAPIDS 1:24000

MILE WEST OF COLORADO RIVER, AND A THIRD TO THE EAST-NORTHEAST ON THE ARIZONA SIDE OF THE RIVER.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1976/01/15

TEMPERATURE (C)... 30

DISCHARGE... 848 L/MIN

WATER ANALYSIS

P... 7.9

SPECIFIC CONDUCTANCE... 5600

TOTAL DISSOLVED SOLIDS... 2790

CHARGE IMBALANCE (% DIFF)... 1.3

ANALYSIS IN PPM

ISOTOPES (0/00)

P... 7.9

AL... 1.4

FE... 3.7

SE... 0.01

CA... 290

CL... 1000

CO... 17

OTHER ANALYTICAL DATA... CO2 = 0.5% SA = 11

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... USGS, WATERSTORE

RECORD 00090

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BLACK CANYON AREA

GEOTHERM FILE NO: 0074800

WELL/SPRING NUMBER... NW OF 5th NW

LOCATION

TOWNSHIP-RANGE

COUNTRY... UNITED STATES 22S 06SE 32 NW OF 5th NW

COORDINATES

STATE... NEVADA

LAT/LONG... 36-00.2 N 114-44.7 W

COUNTY... CLARK

UTM ZONE... 11

GEOLOGIC PROVINCE... 24

NORTHING... 3986476

MID REFERENCE... HOOVER DAM, NEV.-ARIZ. 1:62500

703250

OTHER LOCALITY INFORMATION: NEAR GAUGING STATION BELOW HOOVER DAM

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1976/01/15

TEMPERATURE (C)... 32.5

DISCHARGE... 1189 L/MIN

WATER ANALYSIS

P... 8.2

SPECIFIC CONDUCTANCE..... 3000.

CHARGE IMBALANCE (% DIFF)... 2.3

ANALYSIS IN PPM

AG.....		CO3.....	
AL.....		CO.....	
B.....	1.0	Fe.....	5.0
HE.....		Fe(10T).....	410.
CA.....	100.	MC03.....	90.
CL.....	30.		
CO.....		K.....	11.

ISOTOPE (u/w)

SI02.	44.
SO4..	720.

GAS ANALYSIS

ANALYSIS

CO2.. 0.9

OTHER ANALYTICAL DATA... SAP = 0.7

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... USGS: NATSTORE

ISOTOPE (u/w)

RECORD 00091

GEOCHEM SAMPLE FILE

GEOCHEM FILE 101 60 475

NAME OF SAMPLE SOURCE... BLACK CANYON AREA SPRING

LOCALITY

LONGITUDE

COUNTRY.....	UNITED STATES	230 055 21	NE OF S. M.
STATE.....	NEVADA		
COUNTY.....	CLARK		
GEOLOGIC PROVINCE..	24		

COORDINATES

LAT/LONG...	35-35.8	N 114-44.0
UTM ZONE...	11	
NORTHING...	3980207.	
	704440.	

MAP REFERENCE..... KINGMAN 1:250000, BLACK CANYON 1:625000, KINGBULT RAPIDS 1:24000

OTHER LOCALITY INFORMATION: ABOUT 1 MILE SOUTH OF KINGBULT RAPIDS

SAMPLE DESCRIPTION AND COLLECTION

DATE/COLLECTOR..... 1975/01/15

TEMPERATURE (C)..... 25.6

DISCHARGE..... 1% L/MIN

WATER ANALYSIS

PH..... 7.6

SPECIFIC CONDUCTANCE..... 1040.

CHARGE IMBALANCE (% DIFF)... 7.5

ANALYSIS IN PPM

AG.....		CO3.....	
AL.....		CO.....	
B.....	0.7	Fe.....	1.4
HE.....		Fe(10T).....	3.01
CA.....	37.	MC03.....	79.
CL.....	100.		
CO.....		K.....	3.1

ISOTOPE (O/OW)

SI02.	25.
SO4..	100.

GAS ANALYSIS

ANALYSIS

CO2.. 3.4

OTHER ANALYTICAL DATA... SAP = 6.3

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... USGS: NATSTORE

ISOTOPE (u/w)

RECORD 00092

GEOTHERM FILE ID: 0074841

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BLUE POINT SPRING
WELL/SPRING NUMBER..... 16S-54E-01-AUCA

LOCATION

COUNTRY..... UNITED STATES 18S 068E 06 NE OF SW SE
STATE..... NEVADA
COUNTY..... CLARK
GEOLOGIC PROVINCE.. 24
MAP REFERENCE..... LAS VEGAS 1:250000; OVERTON BEACH 1:62500

COORDINATES

LAT/LONG... 36-35.45 N 115-51.13
UTM ZONE... 11
NORTHING...

OTHER LOCALITY INFORMATION: NEAR STEWART'S POINT

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1945/11/27

TEMPERATURE (C)..... 27.8

WELL DEPTH (M)..... 397.

DISCHARGE..... E 1493. L/MIN

PERTINENT LITHOLOGY..... CARBONATE ROCK

OTHER SAMPLE INFORMATION.. SODIUM HAZARD: MEDIUM; SALINITY HAZARD: VERY HIGH

WATER ANALYSIS

TOTAL DISSOLVED SOLIDS... 200.

ANALYSIS IN PPM

AL.....
Fe.....
RE.....
CA..... 472.
CL..... 355.

CR.....

FE+3.....

FE(10T).....

HC03..... 122.

MG... 167.

NA+K... 317.

NB... 504... 1910.

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... SAR = 3.2

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... RUSH, 1968

RECORD 00093

GEOTHERM FILE ID: 0074840

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BLUE POINT SPRING

LOCATION

COUNTRY..... UNITED STATES 18S 068E 06 SW OF SW SE
STATE..... NEVADA
COUNTY..... CLARK
GEOLOGIC PROVINCE..

COORDINATES

LAT/LONG... 36-23.39 N 114-25.94 W
UTM ZONE... 11
NORTHING...

MAP REFERENCE..... LAS VEGAS 1:250000; OVERTON BEACH 1:62500

OTHER LOCALITY INFORMATION: NEAR STEWART'S POINT

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1944/00/00

TEMPERATURE (C)..... 26.7

DISCHARGE..... E 1514. L/MIN

OTHER SAMPLE INFORMATION.. ISSUES FROM JUNCTION OF TWO FAULTS NEAR MISSISSIPPIAN LIMESTONE.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... MIFFLIN, 1968

RECORD 00094

GEOTHERM FILE 101 0074857

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BRUNA HIASI WELL

WELL/SPRING NUMBER... 13S-070E-34-C2

LOCATION

COUNTRY... UNITED STATES 13S 070E 34 SW

STATE... NEVADA

COUNTY... CLARK

GEOLOGIC PROVINCE...

MAP REFERENCE... LAS VEGAS 1:250000, MESQUITE 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1967/11/11

TEMPERATURE (C)... 21.1

WELL DEPTH (M)... 36.

OTHER SAMPLE INFORMATION... SALINITY HAZARD: VERY HIGH; SODIUM HAZARD: HIGH

WATER ANALYSIS

DATE/ANALYST... *USGS

P1... 7.8

SPECIFIC CONDUCTANCE... 4900.

TOTAL DISSOLVED SOLIDS... E 3900.

ANALYSIS IN MG/L

P1AL... CR... 169.

P1A... FE+3... 031.

P1E... FE(TOT)... 504. 1510.

P1CA... HCO3... 341.

P1CL... 701.

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3= 1470.

REFERENCE AND IDENTIFICATION

COMPILED BY... KUENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... GLANCY AND VAN DENBURGH, 1969

RECORD 00095

GEOTHERM FILE 101 0074859

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BUNKERVILLE WATER USERS ASSOCIATION WELL

WELL/SPRING NUMBER... 13S-070E-35-C001

LOCATION

COUNTRY... UNITED STATES 13S 070E 35 SW OF SW SE

STATE... NEVADA

COUNTY... CLARK

GEOLOGIC PROVINCE... 24

MAP REFERENCE... LAS VEGAS 1:250000, MESQUITE 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1967/11/10

TEMPERATURE (C)... 25.0

WELL DEPTH (M)... 91.

OTHER SAMPLE INFORMATION... SALINITY HAZARD IS MEDIUM FOR IRRIGATION USES.

WATER ANALYSIS

SPECIFIC CONDUCTANCE... 560.

TOTAL DISSOLVED SOLIDS... E 350.

ANALYSIS IN MG/L

COORDINATES

LAT/LONG... 36-45.2 N 114-09.2 W

UTM ZONE... 11

NORTHING...

ISOTOPES (0/001)

AL.... CR..... MG... 28.
 BE.... FE(TOT)... NB... S04.. 72.
 CA.... 28.
 CL.... 22.

OTHER ANALYTICAL DATA... HARDNESS AS CAC03 = 186.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GLANCY AND VAN DENBURGH, 1969

RECORD 00096

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0074807

NAME OF SAMPLE SOURCE... CHRIS WILSON WELL
 WELL/SPRING NUMBER..... 215-02E-3J-B001

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 21S 062E 30 SE OF SW NW
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE.. 24
 MAP REFERENCE..... LAS VEGAS 11250000, LAS VEGAS SE 1124000

LAT/LONG... 36-05.6 N 115-05.8 W
 UTM ZONE... 11

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1946/06/26
 TEMPERATURE (C)..... 23.6
 WELL DEPTH (M)..... 139.
 DISCHARGE..... 66.8 L/MIN

OTHER SAMPLE INFORMATION.. DOMESTIC AND IRRIGATION USES.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00097

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0074508

NAME OF SAMPLE SOURCE... CITY OF NORTH LAS VEGAS WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 20S 061E 22 SE OF SW SE
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE..
 MAP REFERENCE..... LAS VEGAS 11250000, LAS VEGAS NW 1124000

LAT/LONG... 36-11.4 N 115-08.1 W
 UTM ZONE... 11
 NORTHING... 4006433.
 607697.

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.20 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 23.3
 WELL DEPTH (M)..... 76.

OTHER SAMPLE INFORMATION.. WELL COMPLETED IN 1934. IS USED FOR PUBLIC WATER SUPPLY AND OBSERVATION PURPOSES.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MAXEY AND JAMESON, 1946

RECORD 00098

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0074862

NAME OF SAMPLE SOURCE... CLARENCE LEWIS WELL
 WELL/SPRING NUMBER... 145-065E-08-AB1
LOCATION
 COUNTRY... UNITED STATES 145 065E 08 NW OF NE
 STATE... NEVADA
 COUNTY... CLARK
 GEOLOGIC PROVINCE... 24
 MAP REFERENCE... LAS VEGAS 1:250000, MOAPA 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.
SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR... 1961/03/08
 TEMPERATURE (C)... 26.7
 WELL DEPTH (M)... 18.
 DISCHARGE... 1363. L/MIN
 OTHER SAMPLE INFORMATION... WELL COMPLETED IN 1949, IS USED FOR IRRIGATION AND OBSERVATION. WATERLEVEL AT 8.8 METERS
 BELOW LAND SURFACE IN 4INCH, 1961.
REFERENCE AND IDENTIFICATION
 COMPILED BY... KOENIG, H. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE... EAKIN, 1964

RECORD 00099

GEO THERM SAMPLE FILE

GEO THERM FILE ID: 0014795

NAME OF SAMPLE SOURCE... GLAUSTONE CORPORATION WELL
 WELL/SPRING NUMBER... 225-061E-10-BOA1
LOCATION
 COUNTRY... UNITED STATES 225 061E 10 NE OF SE NW
 STATE... NEVADA
 COUNTY... CLARK
 GEOLOGIC PROVINCE... 24
 MAP REFERENCE... LAS VEGAS 1:250000, LAS VEGAS SW 1:24000
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.
SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR... 1912/09/18
 TEMPERATURE (C)... 33.3
 WELL DEPTH (M)... 99.
 DISCHARGE... 1609. L/MIN
 OTHER SAMPLE INFORMATION... WELL COMPLETED IN 1909, USED FOR DOMESTIC AND IRRIGATION PURPOSES.
WATER ANALYSIS
 SPECIFIC CONDUCTANCE... 60.
 TOTAL DISSOLVED SOLIDS... 857.
ANALYSIS IN PPM

AG....	CO3....	N			
AL....	CR....		MG...	50.	
B....	FE...		NA...		30.
BA....	FE+3...		NA+K...	15.	
BE....	FE(TOT)...		NH...		405.
CA....	155.	MC03....	205.		
CL....	35.				

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3: 592.
 QUALIFICATION FIELD... ON FEB. 13, 1944, TEMPERATURE WAS 92. F.; FLOW WAS 1608.8 L/MIN.
REFERENCE AND IDENTIFICATION
 COMPILED BY... KOENIG, H. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE... MAXEY AND JAMESON, 1948

ISOTOPE (U/04)

RECORD 00100

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0074820

NAME OF SAMPLE SOURCE... H. NICKERSON WELL
WELL/SPRING NUMBER... 22S-61E-03-CAAI

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 22S 061E 03 NE OF NE SW

LAT/LONG... 36-03.80 N 115-08.75 W

STATE... NEVADA

UTM ZONE... 11

COUNTY... CLARK

NORTHING...

GEOLOGIC PROVINCE... 24

MAP REFERENCE... LAS VEGAS 1:250000, LAS VEGAS SW 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1941/07/03

TEMPERATURE (C)... 29.

WELL DEPTH (M)... 120.

DISCHARGE... 544 L/MIN

OTHER SAMPLE INFORMATION... WELL COMPLETED IN 1924, USED FOR IRRIGATION AND DOMESTIC PURPOSES.

WATER ANALYSIS

ALKALINITY... 140 AS CACO3

TOTAL DISSOLVED SOLIDS... 863.

ANALYSIS IN PPM

ISOTOPES (D/VOL)

AG...	CO3...	N			
AL...	CR...	44.			
B...	F...	NA...	SI02.	21.	
BA...	FE+3...	NA+K.	40.		
HE...	FE(TOT)...	NB...	S04..	453.	
CA... 150.	HC03...	171.			
CL... 22.					

OTHER ANALYTICAL DATA... HARDNESS AS CACO3: 555.0

QUALIFICATION FIELD... FLOW AND TEMPERATURE MEASURED 1/15/44.

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... MAXEY AND JAMESON, 1948

RECORD 00101

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0074814

NAME OF SAMPLE SOURCE... H.F. REED WELL
WELL/SPRING NUMBER... 22S-61E-02-CBCL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 22S 061E 02 SW OF NW SW

LAT/LONG... 36-03.7 N 115-08.1 W

STATE... NEVADA

UTM ZONE... 11

COUNTY... CLARK

NORTHING...

GEOLOGIC PROVINCE...

MAP REFERENCE... LAS VEGAS 1:250000, LAS VEGAS SW 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1944/08/15

TEMPERATURE (C)... 26.1

WELL DEPTH (M)... 183.

DISCHARGE... 197 L/MIN

OTHER SAMPLE INFORMATION... WELL USED FOR DOMESTIC AND IRRIGATION PURPOSES.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00102

GEOTHERM FILE 101 0074821

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... H.M. HAIP WELL

WELL/SPRING NUMBER..... 225-061E-03-00A

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 22S 061E 03 NE OF SE NW

LAT/LONG... 36-04.0 N 115-08.9 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... CLARK

NORTHING...

GEOLOGIC PROVINCE...

MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS SH 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1944/08/15

TEMPERATURE (C)..... 27.3

WELL DEPTH (M)..... 114.

DISCHARGE..... 413. L/MIN

OTHER SAMPLE INFORMATION.. WELL COMPLETED IN 1925, USED FOR DOMESTIC AND IRRIGATION PURPOSES.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00103

GEOTHERM FILE 101 0074856

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... HAFEN DAIRY WELL

WELL/SPRING NUMBER..... 13S-070E-13-000

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 13S 070E 13 SE OF SE SE

LAT/LONG... 36-47.85 N 114-06.70 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... CLARK

NORTHING...

GEOLOGIC PROVINCE...

MAP REFERENCE..... LAS VEGAS 1:250000, MESQUITE 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1967/11/15

TEMPERATURE (C)..... 21.1

WELL DEPTH (M)..... 18.

OTHER SAMPLE INFORMATION.. USED FOR DAIRY AND STOCK. SALINITY HAZARD IS HIGH, AND SODIUM HAZARD IS MEDIUM FOR IRRIGATION USES.

WATER ANALYSIS

P..... 8.0

SPECIFIC CONDUCTANCE..... 4000.

TOTAL DISSOLVED SOLIDS... E 3100.

ANALYSIS IN MG/L

AL....

CR.....

MG...

126.

NA....

FE+3....

NA+K...

522.

DE....

FE(TOT)...

NB....

S04...

1320.

CA....

244.

HCO3....

209.

CL....

510.

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3: 1130.

ISOTOPES (0/001)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GLANCY AND VAN DENBURGH, 1969

RECORD 00104

GEOOTHERM SAMPLE FILE

GEOOTHERM FILE 101 0074819

NAME OF SAMPLE SOURCE... HENRY WICK WELL
 WELL/SPRING NUMBER..... 22S-061E-03-00A1

LOCATION

COUNTRY..... UNITED STATES 22S 061E 03 NE OF SE SE
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE..

COORDINATES

LAT/LONG... 36-03.5 N 115-08.1 W
 UTM ZONE... 11
 NORTHING... 3991832.
 660203.

MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS SW 1:24000
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1945/06/15
 TEMPERATURE (C)..... 28.9
 WELL DEPTH (M)..... 10

OTHER SAMPLE INFORMATION.. WELL COMPLETED IN 1945 FOR IRRIGATION AND DOMESTIC USES.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 113.8
 TOTAL DISSOLVED SOLIDS... 838.

ANALYSIS IN PPM

AG....	CO3.....	9.9	MG...	53.	
AL....	CR.....		NA+K...	0.7	
BA....	FE+3....		NO...		
BE....	FE(TOT)..		SO4...	441.	
CA....	HC03....	176.			
CL....		0.5			

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... HARNESS AS CaCO3: 613.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00105

GEOOTHERM SAMPLE FILE

GEOOTHERM FILE 101 0074813

NAME OF SAMPLE SOURCE... HENRY WICK WELL
 WELL/SPRING NUMBER..... 22S-061E-02-CCC1

LOCATION

COUNTRY..... UNITED STATES 22S 061E 02 SW OF SW SW
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE.. 24

COORDINATES

LAT/LONG... 36-03.5 N 115-08.1 W
 UTM ZONE... 11
 NORTHING...

MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS SE 1:24000

OTHER LOCALITY INFORMATION: LAS VEGAS SW 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1946/02/07
 TEMPERATURE (C)..... 28.9
 WELL DEPTH (M)..... 183.

DISCHARGE..... 38. L/MIN

OTHER SAMPLE INFORMATION.. WELL WAS COMPLETED IN 1943; USED FOR DOMESTIC, IRRIGATION AND STOCK WATER.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00105

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0018074

NAME OF SAMPLE SOURCE... HOOVER DAM HOT SPRING

LOCATION

COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE... 24

TOWNSHIP-RANGE

22S 06SE 29 S4
 B&M: GILA AND SALT RIVER

COORDINATES

LAT/LONG... 36-00.60 N 114-44.70 W
 UTM ZONE... 11
 NORTHING... 3987209.
 703233.

MAP REFERENCE..... HOOVER DAM 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 42.2

WATER ANALYSIS

P..... 8.12
 ALKALINITY..... 113.5
 TOTAL DISSOLVED SOLIDS... 1040.
 CHARGE IMBALANCE (% DIFF)... 1.8

AS MC03

ANALYSIS IN PPM

AG.... L 0.06 CO3.... N
 AL.... L 1.00 CR.....
 AS.... 0.023
 AU.... CU..... L 0.1
 B.... 0.08 F..... 4.05
 BA.... L 0.2 FE (TOT). L 0.15
 BE.... GA.....
 BI.... HCO3.... 113.8
 CA.... 62.7 MG..... L 0.0002
 CA+MG. H2S.....
 CD....
 CL.... 143.6
 CO.... K..... 7.4

LI... 0.26
 MG... 2.7

MO... SE... 0.014
 NA... 271. S102. 38.94
 ND... S04.. 431.3
 NH4.. L 0.05 SR... 0.77
 NO3.. 2.04
 PO4.. 1.003

ISOTOPES (0/00)

ZN... L 0.02

QUALIFICATION FIELD..... NO3 EQUALS NO2 + NO3. PO4 CALCULATED FROM P.

REFERENCE AND IDENTIFICATION

COMPILER AFFILIATION... ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY
 REFERENCE..... SWANBERG AND OTHERS, 1977

RECORD 00107

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0074827

NAME OF SAMPLE SOURCE... I.M. PINJUV WELL

WELL/SPRING NUMBER..... 215-061E-06-AC

LOCATION

COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE..

TOWNSHIP-RANGE

21S 061E 06 SW OF NE

COORDINATES

LAT/LONG... 36-09.2 N 115-11.75 W
 UTM ZONE... 11
 NORTHING... 4002262.
 662302.

MAP REFERENCE..... LAS VEGAS 1:250000 LAS VEGAS NW 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1978/09/12
 TEMPERATURE (C)..... 23.3

WELL DEPTH (M)..... 82.
 DISCHARGE..... 454. L/MIN
 OTHER SAMPLE INFORMATION... ARTESIAN WELL USED FOR DOMESTIC, IRRIGATION AND STOCK PURPOSES.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... LIVINGSTON, 1940

RECORD 00108

GEOHEM SAMPLE FILE

GEOHEM FILE 101 0074837

NAME OF SAMPLE SOURCE... INDIAN SPRING
 LOCATION
 COUNTRY..... UNITED STATES 16S 056E NW OF NW
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE.. 24
 MAP REFERENCE..... LAS VEGAS 11250000, INDIAN SPRINGS 1124000
 OTHER LOCALITY INFORMATION: LOCATED IN SW PART OF PARCEL 48, ELEVATION 3200 FT.
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1927/08/05
 TEMPERATURE (C)..... 25.5
 DISCHARGE..... 1544. L/MIN
 PERTINENT LITHOLOGY..... ALLUVIUM NEAR MISSISSIPPIAN, PERMIAN AND PENNSYLVANIAN BIRD SPRING FORMATION
 WATER ANALYSIS
 ANALYSIS IN EPM
 HA..... FE+3..... NA+K..... 1.4
 CA+MG. 6.0
 OTHER ANALYTICAL DATA... CL + SO4 = 1.73 EPM
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MIFFLIN, 1968

ISOTOPES (0/00)

RECORD 00109

GEOHEM SAMPLE FILE

GEOHEM FILE 101 0074852

NAME OF SAMPLE SOURCE... INDIAN SPRING
 WARING NUMBER..... 151
 LOCATION
 COUNTRY..... UNITED STATES 16S 056E
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE..
 MAP REFERENCE..... LAS VEGAS 11250000, INDIAN SPRINGS 1124000
 OTHER LOCALITY INFORMATION: ONE MILE SOUTH OF INDIAN SPRING RAILROAD STATION, IN SW PORTION OF PARCEL 48.
 SAMPLE DESCRIPTION AND CONDITIONS
 TEMPERATURE (C)..... 25.6
 DISCHARGE..... 1552. L/MIN
 OTHER SAMPLE INFORMATION... WATER SUPPLY FOR RAILROAD AND FOR IRRIGATION.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... WARING, 1965

RECORD 00110

GEOCHEM SAMPLE FILE

GEOCHEM FILE ID: 0074835

NAME OF SAMPLE SOURCE... INDIAN SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 16S 056E
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE.. 24
 MAP REFERENCE..... LAS VEGAS 1:250000, INDIAN SPRINGS 1:24000
 OTHER LOCALITY INFORMATION: LOCATED IN SW PART OF PARCEL 48.

LAT/LONG... 36-33.7 N 115-40.1 W
 UTM ZONE... 11
 NORTHING... 4046888
 620362.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1912/12/15
 TEMPERATURE (C)..... 26.1
 WELL DEPTH (M)..... 1546
 DISCHARGE..... 3.5875 L/MIN
 PERTINENT LITHOLOGY..... ISSUES FROM ALLUVIUM
 OTHER SAMPLE INFORMATION.. IRRIGATION QUALITY- GOOD

WATER ANALYSIS

TOTAL DISSOLVED SOLIDS... 330
 CHARGE IMBALANCE (% DIFF)... 3.2

ANALYSIS IN PPM

ISOTOPES (0/00)

AG....	CO3..... N	MG....	15.		
AL....	CH.....	NA....	21.	5102.	17.
B....	F.....	NA+K.	31.		
BA....	FE+J....	NB....		504..	28.
BE....	FE(TOT).. 0.16	NJ3.. N			
CA.... 43.	MCJ3.... 239.				
CL.... 5.					
CO....	K..... 9.7				

QUALIFICATION FIELD.... HARDNESS AS CaCO3: 181.0

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... CARPENTER, 1915

RECORD 00111

GEOCHEM SAMPLE FILE

GEOCHEM FILE ID: 0074836

NAME OF SAMPLE SOURCE... INDIAN SPRINGS

WATERING NUMBER..... 151

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 16S 056E
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE.. 24
 MAP REFERENCE..... LAS VEGAS 1:250000, INDIAN SPRINGS 1:24000
 OTHER LOCALITY INFORMATION: LOCATED IN SW PART OF PARCEL 48.

LAT/LONG... 36-33.7 N 115-40.1 W
 UTM ZONE... 11
 NORTHING...

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1964/10/23
 TEMPERATURE (C)..... 26.1
 PERTINENT LITHOLOGY..... ALLUVIUM AND CARBONATE AQUIFER

WATER ANALYSIS

PH..... 7.4
 SPECIFIC CONDUCTANCE..... 401.

TOTAL DISSOLVED SOLIDS... 335.

CHARGE IMBALANCE (% DIFF)... 0.5

ANALYSIS IN PPM

AG....		CO3.....	N				
AL....	0.04	CR.....		MG....	20.		
AS....		CS.....		MN....	N		
B....	0.14	F.....	0.1	NA....	4.5	SI02..	13.
BAT....		FE+3....	N				
BE....		FE(TOT)...	N	NB....		S04..	16.
CA....	50.	HCO3....	238.	NO3..	1.1		
CD....		H2S.....		PO4..	N		
CL....	3.7						
CO....		K.....	1.1				

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... NAFF, 1973

RECORD 00112

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... IVERSON SPRING

WELL/SPRING NUMBER..... 14S-05E-21UAA0

GEOTHERM FILE ID: 0074869

LOCATION

COUNTRY..... UNITED STATES

TOWNSHIP-RANGE

14S 05E 21

NW OF NE NE

COORDINATES

LAT/LONG... 36-42.58 N 114-42.85 W

UTM ZONE... 11

NORTHING...

STATE..... NEVADA

COUNTY..... CLARK

GEOLOGIC PROVINCE... 24

MAP REFERENCE..... LAS VEGAS 1:250000, MOAPA 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1963/09/12

TEMPERATURE (C)..... 31.6

DISCHARGE..... 3840. L/MIN

PERTINENT LITHOLOGY..... IN ALLUVIUM.

OTHER SAMPLE INFORMATION.. SEVERAL SPRINGS, WATER USED FOR BATHING AND IRRIGATION.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 964.

TOTAL DISSOLVED SOLIDS... 620.

CHARGE IMBALANCE (% DIFF)... 1.6

ANALYSIS IN PPM

AG....		CO3.....	N				
AL....		CR.....		MG....	26.		
B....	0.3	F.....	2.3	NA....	101.	SI02..	29.
BE....		FE(TOT)...		NB....		S04..	179.
CA....	70.	HCO3....	274.	NO3..	2.2		
CL....	64.						
CO....		K.....	11.				

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3 (CA AND MG): 225.01 NON-CARBONATE AS 55.01 FIELD MEASURED SPECIFIC

CONDUCTANCE: 1040.0

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... EAKIN, 1964

RECORD 00113

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... J.H. JIMBAUGH WELL
WELL/SPRING NUMBER..... 21S-061E-06-AC

GEO THERM FILE ID: 0074826

LOCATION

COUNTRY..... UNITED STATES 21S 061E 06 SW OF NE

COORDINATES

LAT/LONG... 36-09.2 N 115-11.75 W
UTM ZONE... 11
NORTHING... 4002262
662302

STATE..... NEVADA

COUNTY..... CLARK

GEOLOGIC PROVINCE..

MAP REFERENCE..... LAS VEGAS 11250000, LAS VEGAS NW 1124000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1938/09/12

TEMPERATURE (C)..... 23.9

WELL DEPTH (M)..... 120.

DISCHARGE..... 1136. L/MIN

OTHER SAMPLE INFORMATION.. USED FOR STOCK AND IRRIGATION; ARTESIAN.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... LIVINGSTON, 1940

RECORD 00114

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... J.K. MOUSSELS WELL

WELL/SPRING NUMBER..... 22S-061E-01-BCB3

GEO THERM FILE ID: 0074812

LOCATION

COUNTRY..... UNITED STATES 22S 061E 01 NW OF SW NW

COORDINATES

LAT/LONG... 36-04.0 N 115-06.71 W
UTM ZONE... 11
NORTHING...

STATE..... NEVADA

COUNTY..... CLARK

GEOLOGIC PROVINCE..

MAP REFERENCE..... LAS VEGAS SE 1124000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1943/12/05

TEMPERATURE (C)..... 25.6

WELL DEPTH (M)..... 104.

OTHER SAMPLE INFORMATION.. WELL DRILLED IN 1912 FOR IRRIGATION AND DOMESTIC USE

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00115

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... J.K. MOUSSELS WELL

WELL/SPRING NUMBER..... 22S-061E-01-CBB2

GEO THERM FILE ID: 0074810

LOCATION

COUNTRY..... UNITED STATES 22S 061E 01 NW OF NW SW

COORDINATES

LAT/LONG... 36-03.8 N 115-06.7 W
UTM ZONE... 11
NORTHING...

STATE..... NEVADA

COUNTY..... CLARK

GEOLOGIC PROVINCE.. 24

MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS SE 1:24000
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.
 SAMPLE DESCRIPTION AND CONDITIONS
 TEMPERATURE (C)..... 25.5
 WELL DEPTH (M)..... 104.
 OTHER SAMPLE INFORMATION: WELL COMPLETED IN 1912; USED FOR IRRIGATION AND DOMESTIC PURPOSES.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00116

GEOTHERM SAMPLE FILE

GEOTHERM FILE 10: 0074803

NAME OF SAMPLE SOURCE... J.R. HUND WELL
 WELL/SPRING NUMBER..... 215-062E-29-CCCC

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 215 062E 29 SW OF S4 SW
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE.. 24

LAT/LONG... 36-05.2 N 115-04.78 W
 UTM ZONE... 11
 NOTHING...

MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS SE 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1942/07/13
 TEMPERATURE (C)..... 26.6
 WELL DEPTH (M)..... 123.

WATER ANALYSIS

ALKALINITY..... 176. AS CaCO3
 TOTAL DISSOLVED SOLIDS... 715.

ANALYSIS IN PPM

ISOTOPES (U/DU)

AG....	CO3..... 1				
AL....	CR.....	MO....	50.		
B....	F.....	NA....		5102.	25.
BA....	FE+3....	NA+K..	29.		
BE....	FE(TOT)...	NB....		504..	327.
CA.... 110.	MC03.... 215.				
CL.... 20.					

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3: 480.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00117

GEOTHERM SAMPLE FILE

GEOTHERM FILE 10: 0074825

NAME OF SAMPLE SOURCE... JAMES FILBEY WELL
 WELL/SPRING NUMBER..... 205-061E-32-DB

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 205 061E 32 NW OF SE
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE.. 24

LAT/LONG... 36-09.87 N 115-10.55 W
 UTM ZONE... 11
 NOTHING...

MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS NW 1:24000

OTHER LOCALITY INFORMATION: LOCATION ACCURATE TO NEAREST 1/16 SECTION.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1938/08/24
 TEMPERATURE (C)..... 26.1
 WELL DEPTH (M)..... 189.
 DISCHARGE..... 0 10031. L/MIN
 OTHER SAMPLE INFORMATION.. ARTESIAN. FLOWING BUT NOT USED (AUGUST, 1938)
 QUALIFICATION FIELD..... LEAKAGE FROM WELL CASING REPORTED AS 30 GPM IN 1938.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... LIVINGSTON, 1940

RECORD 00118

GEOTHERM FILE 101 0074808

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... JOHN GRAHAM AND TIP ROWE WELL
 WELL/SPRING NUMBER..... 22S-061E-01-DCB1

LOCATION

COUNTRY..... UNITED STATES 22S 061E 01 NW 1/4 SW SE
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE..

COORDINATES

LAT/LONG... 36-03.60 N 115-06.45 W
 UTM ZONE... 11
 NORTHING...

MAP REFERENCE..... LAS VEGAS 1:250000; LAS VEGAS SE 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1946/04/09
 TEMPERATURE (C)..... 25.5
 WELL DEPTH (M)..... 153.
 DISCHARGE..... 57. L/MIN
 OTHER SAMPLE INFORMATION.. WELL COMPLETED IN 1911 FOR DOMESTIC AND IRRIGATION USES.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00119

GEOTHERM FILE 101 0074811

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... JOHN GRAHAM AND TIP ROWE WELL
 WELL/SPRING NUMBER..... 22S-061E-01-CAU

LOCATION

TOWNSHIP-RANGE

COORDINATES

545-170 N4.PK1 INTERRUPTED

REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00120

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074818

NAME OF SAMPLE SOURCE... L.M. IRVIN WELL

WELL/SPRING NUMBER..... 22S-061E-02-ABA1

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 22S 061E 02 NE OF NW NE

LAT/LONG... 36-04.26 N 115-07.53 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... CLARK

NORTHING...

GEOLOGIC PROVINCE..

MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS SE 1:24000

OTHER LOCALITY INFORMATION: LAS VEGAS SW 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1944/10/17

TEMPERATURE (C)..... 23.3

WELL DEPTH (M)..... 61

DISCHARGE..... 133 L/MIN

OTHER SAMPLE INFORMATION.. WELL COMPLETED IN 1924; USED FOR STOCK WATER AND OBSERVATION.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 109

TOTAL DISSOLVED SOLIDS... 775

ANALYSIS IN PPM

ISOTOPES 10/001

C₁₃.....CO₃.....C₁₈.....CH₄.....

Mg... 57

HA.....

FE+3.....

NA+K... 2.3

BE.....

FE(TOT)...

NB...

S04... 353

CA... 134

HCO₃... 198

CL... 30

OTHER ANALYTICAL DATA... HARDNESS AS CaCO₃: 568

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00121

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0001025

NAME OF SAMPLE SOURCE... LAS VEGAS SPRINGS

WELL/SPRING NUMBER..... 152

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 20S 061E 30 SW OF NE SE

STATE..... NEVADA

COUNTY..... CLARK

MAP REFERENCE..... LAS VEGAS NW 1:24000

OTHER LOCALITY INFORMATION: SPRING ISSUES FROM BASE OF SMALL TERRACE.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1912/09/23 CARPENTER, E.

POINT OF COLLECTION.. POINT OF ISSUE FROM THE GROUND

TEMPERATURE (C)..... 4 22.7

DISCHARGE..... 9752 L/MIN

PERTINENT LITHOLOGY..... MIFFLIN, 1968, STATES THERE ARE SEVERAL SPRINGS ALONG A FAULT DISPLACING BASIN SEDIMENTS

ABOUT NINE MILES EAST OF PALEOZOIC CARBONATE ROCKS.

OTHER SAMPLE INFORMATION.. QUALITY: BOILER USE- POOR, DOMESTIC USE- GOOD, IRRIGATION- GOOD.

WATER ANALYSIS

DATE/ANALYST..... DINSMORE, S. C.

TOTAL DISSOLVED SOLIDS... 267.

ANALYSIS IN PPM

ISOTOPES (0/00)

AG....	CO3.....	N			
AL....	CR.....		MG...	23.	
H....	F.....		NA...		SI02... 13.
HE....	FE(TOT)...	1	NB...		S04... 43.
CA.... 56.	HC03....	239.	NO3...	0.0	
CL.... 2.0					

QUALIFICATION FIELD..... TEMPERATURE FROM POINT OF ISSUE. FLOW REPORTED BY MIFFLIN, 1968, TO BE ZERO DUE TO INTENSE

GROUNDWATER DEVELOPMENT.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... CARPENTER, 1915; WARING, 1965

RECORD 00122

GEOTHERM SAMPLE FILE

GEOTHERM FILE 10: 0074816

NAME OF SAMPLE SOURCE... LAWRENCE WARREN WELL

WELL/SPRING NUMBER..... 22S-61E-02-AB01

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY.....	UNITED STATES	22S 061E 02	SE OF NW NE	LAT/LONG...	36-04.15 N 115-07.41 W
STATE.....	NEVADA			UTM ZONE...	11
COUNTY.....	CLARK			NORTHING...	
GEOLOGIC PROVINCE..					

MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS SE 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1946/04/09

TEMPERATURE (C)..... 25.

WELL DEPTH (M)..... 88.

DISCHARGE..... 57. L/MIN.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00123

GEOTHERM SAMPLE FILE

GEOTHERM FILE 10: 0074815

NAME OF SAMPLE SOURCE... M.M. SWEENEY WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY.....	UNITED STATES	22S 061E 02	NW OF NE NW	LAT/LONG...	36-04.0 N 115-07.9 W
STATE.....	NEVADA			UTM ZONE...	11
COUNTY.....	CLARK			NORTHING...	3992758.
GEOLOGIC PROVINCE..					668260.

MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS SW 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1944/04/13

TEMPERATURE (C)..... 24.4

WELL DEPTH (M)..... 107.

OTHER SAMPLE INFORMATION.. WELL USED FOR DOMESTIC AND IRRIGATION PURPOSES.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00124

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0074861

NAME OF SAMPLE SOURCE... MESQUITE FARMSTEAD WATER ASSOCIATION WELL
 WELL/SPRING NUMBER..... 13S-71E-29-BBA

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 13S 07E 29 NE OF NW NW
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE..

LAT/LONG... 36-46.83 N 114-05.40 W
 UTM ZONE... 11
 NORTHING... 4074530.
 759693.

MAP REFERENCE..... LAS VEGAS 1:250000, MESQUITE 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1952/01/14

TEMPERATURE (C)..... 22.2

WELL DEPTH (M)..... 69.

OTHER SAMPLE INFORMATION.. SALINITY HAZARD FOR IRRIGATION: MEDIUM.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 486.

TOTAL DISSOLVED SOLIDS... 300.

ANALYSIS IN MG/L

PH.....	CH.....	MG... 15.		
H.....	F.....	NA... 35.	S132..	35.
HE.....	FE(TOT)...	VB... 73.	S04..	73.
CA... 36.	MCU3... 148.	NU3... 9.3		

ISOTOPES (D/001)

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3: 152.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GLANCY AND VAN DENBURGH, 1969

RECORD 00125

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0074860

NAME OF SAMPLE SOURCE... MESQUITE FARMSTEAD WELL
 WELL/SPRING NUMBER..... 13S-71E-20-CCC

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 13S 07E 20 SW OF SW SW
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE..

LAT/LONG... 36-46.92 N 114-05.83 W
 UTM ZONE... 11
 NORTHING...

MAP REFERENCE..... LAS VEGAS 1:250000, MESQUITE 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1949/06/27

TEMPERATURE (C)..... 23.3

WELL DEPTH (M)..... 64.

OTHER SAMPLE INFORMATION.. MEDIUM SALINITY HAZARD FOR IRRIGATION USES.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 568.

TOTAL DISSOLVED SOLIDS... 369.

ANALYSIS IN MG/L

AL....	CH.....	MG... 19.		
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ISOTOPES (D/001)

R..... N F..... 0.3 NA.... SI02. 32.
 BA..... FE..... NA+K. 55.
 HE..... FE(TOT). NB.... S04.. 109.
 CA..... 37. MC03.... 141. NU3.. 9.4

OTHER ANALYTICAL DATA... MARUNESS AS CAC03: 170.0
 REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GLANCY AND VAN DENBURGH, 1969

RECORD 00126

GEO THERM SAMPLE FILE

GEO THERM FILE ID: 0074868

NAME OF SAMPLE SOURCE... MUAPA WARM SPRINGS

WELL/SPRING NUMBER..... 14S-65E-21-AAH

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 14S 06SE 21 NW OF NE NE

LAT/LONG... 36-42.58 N 114-42.85 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... CLARK

NORTHING...

GEOLOGIC PROVINCE..

MAP REFERENCE..... LAS VEGAS 1:250000; MUAPA 1:62500

OTHER LOCALITY INFORMATION: ELEVATION 1760 FT.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 0.32.

DISCHARGE..... N L/MIN

PERTINENT LITHOLOGY..... ALLUVIUM NEAR MISSISSIPPIAN, PENNSYLVANIAN, AND PERMIAN BIRD SPRING FORMATION

WATER ANALYSIS

TOTAL DISSOLVED SOLIDS... 617.

ANALYSIS IN PPM

ISOTOPES (0/00)

AG.... CO3..... N

AL.... CR.....

MG.... 26.

S.... F.....

NA.... 5102. 42.

BA.... FE+3....

NA+K. 75.

HE.... FE(TOT)..

NB.... S04.. 184.

CA.... 98. MC03.... 281.

CL.... 65.

OTHER ANALYTICAL DATA... FE + AL = TRACE.

QUALIFICATION FIELD..... SECOND REFERENCE GIVES A TEMPERATURE OF 90 DEG F AND A FLOW OF 1696 GPM(1966).

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... MIFFLIN, 1968; ADAMS, 1944

RECORD 00127

GEO THERM SAMPLE FILE

GEO THERM FILE ID: 0074798

NAME OF SAMPLE SOURCE... NAT'L PARK SERVICE, CALLVILLE HAY CAMPGROUND WELL

WELL/SPRING NUMBER..... 21S-65E009-DB

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 21S 06SE 09 NW OF SE

LAT/LONG... 36-08.65 N 114-43.32 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... CLARK

NORTHING... 4000852.

GEOLOGIC PROVINCE.. 24

705168.

MAP REFERENCE..... LAS VEGAS 1:250000; HOOVER DAM 1:62500

OTHER LOCALITY INFORMATION: ELEVATION 1360 FT.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1967/10/12

TEMPERATURE (C)..... 26.9

WELL DEPTH (M)..... 61.

DISCHARGE..... 114. L/MIN

OTHER SAMPLE INFORMATION.. WELL DRILLED IN 1967 FOR PUBLIC SUPPLY, BUT UNUSED.

WATER ANALYSIS

PH..... 7.0

SPECIFIC CONDUCTANCE..... 5700.0

TOTAL DISSOLVED SOLIDS... 3720.

ANALYSIS IN MG/L

AL.....	CR.....	MG...	113.		
B.....	F.....	NA...	828.	SI02.	38.
BA.....	FE+3....	NA+K..		S04..	1200.
BE.....	FE(TOT)..	NH...			
CA.....	HCO3.....				
CL.....					

SULPHATES (U/00)

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3: 1210.01 SALINITY AND SODIUM HAZARD FOR IRRIGATION REPORTED AS HIGH.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... DUSH, 1968B

RECORD 00128

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... NATE MACK WELL

WELL/SPRING NUMBER..... 225-61E-02-48A2

GEO THERM FILE ID: 0074817

LOCATION

COUNTRY..... UNITED STATES 225 061E 02 NE OF NW NE

STATE..... NEVADA

COUNTY..... CLARK

GEOLOGIC PROVINCE..

MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS SE 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

COORDINATES

LAT/LONG...

UTM ZONE...

NORTHING...

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1944/04/13

TEMPERATURE (C)..... 26.1

WELL DEPTH (M)..... 61.

DISCHARGE..... 114. L/MIN

OTHER SAMPLE INFORMATION.. WELL IS UNUSED.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... *CENTER FOR WATER RESOURCES RESEARCH, DESERT RESEARCH INSTITUTE, UNIVERSITY OF NEVADA

RECORD 00129

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... NONE GIVEN

GEO THERM FILE ID: 0074782

LOCATION

COUNTRY..... UNITED STATES 325 066E 24 NW

STATE..... NEVADA

COUNTY..... CLARK

GEOLOGIC PROVINCE..

MAP REFERENCE..... KINGMAN AMS, DAVIS DAM 1:62500, DAVIS DAM 1:24000

COORDINATES

LAT/LONG... 35-08.9 N 114-34.97 W

UTM ZONE... 11

NORTHING... 3891970.

Easting... 720199.

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.
 SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1971/01/19
 TEMPERATURE (C)..... 27.2
 WELL DEPTH (M)..... 152.

WATER ANALYSIS

ANALYSIS IN PPM

AL.....	CH.....	MG....	22.
B.....	F.....	0.6	
BA.....	FE+J....		
RE.....	FE(TOT)..	0.16	
CA.....	MCUJ....	162.	
CL.....			

ISOTOPES (0/000)

S04... 171.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... DESERT RESEARCH INSTITUTE, 1973

RECORD 00130

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074784

NAME OF SAMPLE SOURCE... NONE GIVEN (WELL)

LOCATION

COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE.. 24

MAP REFERENCE..... KINGMAN 1:250000, SEARCHLIGHT 1:62500

OTHER LOCALITY INFORMATION: LOCATION APPROX.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 30.6

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... ORIGINAL SOURCE UNKNOWN

RECORD 00131

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074507

NAME OF SAMPLE SOURCE... NORTH LAS VEGAS AIRPORT WELL

WELL/SPRING NUMBER..... 20S-61E-18-UCH

LOCATION

COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE..

MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS NW 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1975/11/20
 TEMPERATURE (C)..... 21.1
 WELL DEPTH (M)..... 152.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GAKSIDE AND SCHILLING, 1979

RECORD 00132

GEOTHERM FILE 101 0074866

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... PETERSON (PEDERSON) SPRING

WELL/SPRING NUMBER..... 14S-05E-16-B

LOCATION

COUNTRY..... UNITED STATES

STATE..... NEVADA

COUNTY..... CLARK

GEOLOGIC PROVINCE... 24

MAP REFERENCE..... LAS VEGAS 11250000, MOAPA 1162500

OTHER LOCALITY INFORMATION: 3 MILES WEST OF MOAPA

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1974/01/19

TEMPERATURE (C)..... 32.2

PERTINENT LITHOLOGY..... ASSOCIATED WITH PALEOZOIC LIMESTONE

OTHER SAMPLE INFORMATION.. SEVERAL SPRINGS, USED FOR BATHING AND IRRIGATION

WATER ANALYSIS

P4..... 7.92

SPECIFIC CONDUCTANCE..... 1012.

TOTAL DISSOLVED SOLIDS... 854.

CHARGE IMBALANCE (% DIFF)... 4.2

ANALYSIS IN MG/L

MAG.... L 0.02

AL.... 0.0015

AS.... 0.0015

AU....

B....

BA.... 0.00

HE.... L 0.005

BI.... L 0.1

BR....

CA.... 75.

CA+MG....

CO.... 0.005

CL.... 59.

CO....

CO3..... N

CR.... L 0.02

CS.... 1.0

CU.... L 0.02

F.... 2.1

FE+3....

FE(TOT)... L 0.01

GA....

GE....

HCO3.... 284.

HG.... L 0.0005

H2S....

K.... 8.8

LI.... 0.168

MG.... 26.

MN.... 0.01

MO....

NA.... 107.

NA+K....

NB....

NH4... L 0.02

NI.... 0.02

NO3... 1.9

PB... L 0.02

PO4... 0.2

RB.... 0.054

SB... L 0.1

SE... L 0.001

SI02... 245.

SN... L 0.05

SO4... 189.

SR... 0.774

ZN... 0.822

ISOTOPES (0/001)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... SANDERS AND MILES, 1974

RECORD 00133

GEOTHERM FILE 101 0074503

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... ROUGERS SPRING

LOCATION

COUNTRY..... UNITED STATES

STATE..... NEVADA

COUNTY..... CLARK

GEOLOGIC PROVINCE..

MAP REFERENCE..... LAS VEGAS AMS, OVERTON BEACH 1162500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1912/09/28

COORDINATES

LAT/LONG... 36-22.6 N 114-26.6 W

UTM ZONE... 11

NORTHING... 4028562.

729354.

TEMPERATURE (C)..... 27.2
DISCHARGE..... 3407. L/MIN

WATER ANALYSIS

TOTAL DISSOLVED SOLIDS... 3266.

ANALYSIS IN PPM

AG....	CO3.....	N			
AL....	CH.....	MG....	151.		
BA....	F.....	NA....	220.	SI02..	24.
BE....	FE(TOT)...	NB....		S04...	1638.
CA.... 420.	HCO3....		159.		
CL.... 331.					

ISOTOPIES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... HARDMAN AND MILLER, 1934

RECORD 00134

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074502

NAME OF SAMPLE SOURCE... ROGERS SPRING

WELL/SPRING NUMBER..... 18S-67E-12-DUA

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY.....	UNITED STATES	18S 067E 12	NE OF NE SE	LAT/LONG...	36-22.65 N 114-20.56 W
STATE.....	NEVADA			UTM ZONE...	11
COUNTY.....	CLARK			NORTHING...	

GEOLOGIC PROVINCE..

MAP REFERENCE..... LAS VEGAS AMS, OVERTON BEACH 1:62500

OTHER LOCALITY INFORMATION: ELEVATION 1600 FT., ABOUT 9 MILES SW OF ST. THOMAS ON SLOPE OF MUDDY MOUNTAINS.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1950/10/09

TEMPERATURE (C)..... 26.7

DISCHARGE..... 3398. L/MIN

PERTINENT LITHOLOGY..... FAULT CONTACT OF CONGLOMERATE AND MISSISSIPPIAN LIMESTONE

OTHER SAMPLE INFORMATION.. QUALITY REPORTED TO BE POOR

WATER ANALYSIS

ANALYSIS IN PPM

B....	F.....	NA....	13.		
BA....	FE+3....	NA+K..	13.		
BE....	FE(TOT)...	NB....		S04...	
BI....	GA.....	NH4...		SR....	

ISOTOPIES (0/00)

INITIUM (T.O.)..... L OR = TO 5.0
C(14) CONTENT OF CO2. - DEL C14 L
9271 2100YRS. B.P.

CA+MG. 35.

CO.... K..... 5.6

OTHER ANALYTICAL DATA... CL + S04 = 43.37 EPM

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... MIFFLIN, 1968

RECORD 00135

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074842

NAME OF SAMPLE SOURCE... ROGERS SPRING

WELL/SPRING NUMBER..... 18S-67E-12-DUA

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY.....	UNITED STATES	18S 067E 12	NE OF SE SE	LAT/LONG...	36-22.65 N 114-20.56 W
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STATE..... NEVADA

COUNTY..... CLARK

GEOLOGIC PROVINCE... 24

MAP REFERENCE..... LAS VEGAS 1:250000, OVERTON BEACH 1:62500

OTHER LOCALITY INFORMATION: NEAR STEWART'S POINT, NORTH SHORE ROAD, LAKE MEAD

UTM ZONE... 11
NORTHING...SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1974/02/04

TEMPERATURE (C)..... 30

OTHER SAMPLE INFORMATION.. PUBLIC BATHING, PICNIC AREA.

WATER ANALYSIS

PH..... 7.5

SPECIFIC CONDUCTANCE..... 3960.

TOTAL DISSOLVED SOLIDS... 3040.

CHARGE IMBALANCE (% DIFF)... 7.4

ANALYSIS IN PPM

AG.... L 0.02

CO3..... N

LI... 0.667

ISOTOPES (0/000)

AL.... 0.0015

CR..... L 0.02

MG... 120.

SB... L 0.1

AS.... 0.0015

CS..... L 1.6

MN... L 0.01

AU.... 0.38

CU..... L 0.02

MO... 284.

SE... L 0.001

BA.... L 0.005

F..... 1.52

NA... 18.

SI02... L 0.05

BE.... L 0.1

FE+3... 0.02

NA+K... 1747.

SN... 4.93

BI... L 0.1

GA.....

NB... L 0.2

BR.... 430.

GE.....

NH4... L 0.02

CA+MG... 0.007

HCO3... 170.

NI... 1.3

CD.... 320.

HG..... 0.0005

NO3... 0.07

CL.... 17.6

H2S.....

PO4... 0.1

CO.... 0.138

K.....

PO4... 0.021

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... SANDERS AND MILES, 1974

RECORD 00136

GEOCHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... ROY WOOD MARTIN ESTATE WELL

WELL/SPRING NUMBER..... 215-061E-35-CC01

GEOCHEM FILE 101 0074794

LOCATION

COUNTRY..... UNITED STATES

QUADRANGLE

STATE..... NEVADA

215 061E 35

NW OF SW NW

COORDINATES

COUNTY..... CLARK

LAT/LONG... 36-04.45 N 115-07.00 W

GEOLOGIC PROVINCE... 24

UTM ZONE... 11

MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS SW 1:24000

NORTHING...

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1944/04/28

TEMPERATURE (C)..... 25

WELL DEPTH (M)..... 91

OTHER SAMPLE INFORMATION.. WELL COMPLETED IN 1931; UNUSED ON 4/28/44

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... MAXEY AND JAMESON, 1940

RECORD 00137

GEOTHERM FILE 101 0074838

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SPRING IN VIRGIN RIVER NARROWS

LOCATION

COUNTRY..... UNITED STATES 17S 069E 06
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE..

COORDINATES

LAT/LONG... 36-29.1 N 114-19.5 W
 UTM ZONE... 11
 NORTHING...

MAP REFERENCE..... LAS VEGAS 1:250000; OVERTON BEACH 1:62500

OTHER LOCALITY INFORMATION: SOUTH BANK SPRING ABOUT 1.5 MILES DOWNSTREAM WITHIN NARROWS

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1932/08/19

TEMPERATURE (C)..... 0.74

DISCHARGE..... 1022 L/MIN

OTHER SAMPLE INFORMATION.. WATER QUALITY REPORTED AS POOR

WATER ANALYSIS

TOTAL DISSOLVED SOLIDS... 3249

CHARGE IMBALANCE (% DIFF)... 0.2

ANALYSIS IN PPM

AG.... CO3..... N

AL.... CR.....

B.... F.....

BE.... FE(TOT)...

CA.... 441. HCO3.... 509.

CL.... 401.

CO.... K..... 4.8

MG.... 128.

NA.... 317.

NO....

SI02.

16.

SO4..

1283.

ISOTOPES (0/001)

QUALIFICATION FIELD..... LARGE NUMBER OF SPRINGS IN NARROWS HAVE FAIRLY UNIFORM TEMPERATURES VARYING FROM 75-80

DEGREES F.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... HARDMAN AND MILLER, 1934

RECORD 00138

GEOTHERM FILE 101 0074799

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... STEVE BROWN SPRING

LOCATION

COUNTRY..... UNITED STATES 22S 054E 15 NE OF SE
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE..

COORDINATES

LAT/LONG... 36-02.0 N 115-53.32 W
 UTM ZONE... 11
 NORTHING...

MAP REFERENCE..... LAS VEGAS 1:250000; PAMRUMP 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1927/08/05

TEMPERATURE (C)..... 0.23.9

DISCHARGE..... 0.1 L/MIN

OTHER SAMPLE INFORMATION.. TYPICAL OF AN ALLUVIUM-CLAY CONTACT SPRING

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 400.

TOTAL DISSOLVED SOLIDS... 406.

ANALYSIS IN PPM

AG....

CR.....

MG...

13.

ISOTOPES (0/001)

B.....
BA.....
CA..... 73.
CL..... 0.5

F.....
FE+3.....
MCU3..... 269.

NA...
NA+K. N

SI02. SI.

QUALIFICATION FIELD..... TEMPERATURE AND DISCHARGE DATA FROM HUGHES, J.L., 1966

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... HUGHES, 1966

RECORD 00139

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074796

NAME OF SAMPLE SOURCE... T.A. WELLS WELL
WELL/SPRING NUMBER..... 225-62E-01-CBC1

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 22S 062E 01 SW OF NW OF SW
STATE..... NEVADA
COUNTY..... CLARK
GEOLOGIC PROVINCE..

LAT/LONG... 36-03.65 N 115-00.26 W
UTM ZONE... 11
NORTHING...

MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS SE 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1945/03/15

TEMPERATURE (C)..... 32.8

WELL DEPTH (M)..... 746.

PARTINENT LITHOLOGY..... DRILLER REPORTED "SHALE" FROM 670 FT TO TOTAL DEPTH.

OTHER SAMPLE INFORMATION.. FLOW OF WATER FROM ABOVE THE 760 FT. LEVEL.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 248.

TOTAL DISSOLVED SOLIDS... 1785.

ANALYSIS IN PPM

ISOTOPES (0/00)

AG..... CO3..... N

AL..... CR.....

MO... 20.

BA..... FE+3.....

NA+K. 436.

BE..... FE(TOT)...

NO...

S04... 1027.

CA..... 1.0. MCU3..... 84.

CL..... 112.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00140

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074822

NAME OF SAMPLE SOURCE... T.P. AND G.G. WATER WELL

WELL/SPRING NUMBER..... 225-61E-03-AB01

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 22S 061E 03 NW OF SE NE
STATE..... NEVADA
COUNTY..... CLARK
GEOLOGIC PROVINCE..

LAT/LONG... 36-03.05 N 115-08.30 W
UTM ZONE... 11
NORTHING...

MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS SW 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1945/02/11
 TEMPERATURE (C)..... 28.9
 WELL DEPTH (M)..... 172.
 DISCHARGE..... 114. L/MIN
 OTHER SAMPLE INFORMATION... USED FOR DOMESTIC AND IRRIGATION PURPOSES.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00141

 GEOTHERM SAMPLE FILE
 NAME OF SAMPLE SOURCE... TEST WELL 10
 LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE
 STATE..... NEVADA 16S 054E J1 NE OF NE
 COUNTY..... CLARK
 GEOLOGIC PROVINCE.. 24
 MAP REFERENCE..... LAS VEGAS 1:250000 MERCURY SE 1:24000
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.
 COORDINATES
 LAT/LONG... 36-35.6 N 115-51.2 W
 UTM ZONE... 11
 NORTING... 4050171.
 602571.

SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1964/06/28 E. VILLASANA
 TEMPERATURE (C)..... 27.2

WATER ANALYSIS
 DATE/ANALYST..... 1964/11/04 K. GARDNER
 pH..... 7.2
 SPECIFIC CONDUCTANCE..... 350.
 TOTAL DISSOLVED SOLIDS... 288.
 ANALYSIS IN PPM

ISOTOPES (0/00)

AG.... L 0.0002	CO3..... N	LI... 0.008		
AL.... 0.12	CR.....	MG... 17.		
AS....	CS.....	MN... 0.003		
AU....	CU..... 0.014	MO... L 0.001		
B.... 0.08	F..... 0.2	NA... 7.6	SI02.	15.
BA.... 0.051	FE+3.....	NA+K.	SN... L 0.004	
BE.... L 0.0004	FE(TOT)... 0.014	NB...	SO4... 14.	
BI....	GA.....	NH4...	SR... 0.045	
BR....	GE.....	NI... L 0.004		
CA.... 41.	HCO3.... 200.	NO3... 1.6	TI... 0.004	
CA+MG.	HG.....	PD... 0.017		
CD....	H2S.....	PO4... "	V.... L 0.004	
CL.... 5.3				
CO.... L 0.002	K..... 1.0	RB... 0.0002	ZN... 0.1	

OTHER ANALYTICAL DATA... ZR = L 0.004
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... VAFF, 1973

RECORD 00142

 GEOTHERM SAMPLE FILE
 NAME OF SAMPLE SOURCE... TEST WELL 75-73 (NO. 3)
 LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE
 STATE..... NEVADA 13S 055E
 COORDINATES
 LAT/LONG... 36-48.49 N 115-51.43 W

STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE..
 MAP REFERENCE..... LAS VEGAS 1:250000, FRENCHMAN LAKE SE 1:24000
 OTHER LOCALITY INFORMATION: ABOUT 17 MILES EAST OF MERCURY, NEV.

UTM ZONE... 11
 NORTHING... 4074380.
 601389.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1962/05/10
 TEMPERATURE (C)..... 37.8
 WELL DEPTH (M)..... 564.8

PERTINENT LITHOLOGY..... AQUIFER IS PALEOZOIC CARBONATE ROCK.

WATER ANALYSIS

PH..... 7.3
 SPECIFIC CONDUCTANCE..... 710.
 TOTAL DISSOLVED SOLIDS... 444.
 CHARGE IMBALANCE (3 DIFF)... 3.0
 ANALYSIS IN PPM

AG.... CO3..... N
 AL.... 0.03 CR.....
 B.... F..... 1.5
 BE.... FE(TOT) N
 CA.... 51. HCO3..... 328.
 CD.... H2S.....
 CL.... 23.
 CO.... K..... 7.6

LI... 0.12
 MG... 21.
 NA... 83. SI02. 24.
 NB... S04.. 84.
 NO3.. 0.9
 PO4.. N

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3 = 214.1; SAR = 2.47

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... SCHOFF AND MOORE, 1964

RECORD 00143

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0074793

NAME OF SAMPLE SOURCE... TULLACKSON WELL
 WELL/SPRING NUMBER..... 21S-061E-34-ABC1

LOCATION

COUNTRY..... UNITED STATES 21S 061E 34 SW 0F NW NE
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE..
 MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS SW 1:24000

COORDINATES

LAT/LONG... 36-05.0 N 115-08.5 W
 UTM ZONE... 11
 NORTHING...

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1947/01/06
 TEMPERATURE (C)..... 23.3
 WELL DEPTH (M)..... 75.

OTHER SAMPLE INFORMATION.. WELL USED FOR DOMESTIC AND IRRIGATION PURPOSES.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 56.4
 TOTAL DISSOLVED SOLIDS... 332.

ANALYSIS IN PPM

AL.... CR.....
 H.... F..... 0.1
 NA.... FE+3
 HE.... FE(TOT)
 CA.... 64. HCO3..... 223.

MG... 30.
 NA+K. 11.
 NB... S04.. 107.
 NO3.. 3.9

ISOTOPES (0/00)

CL.... 6.
 OTHER ANALYTICAL DATA... HARNESS AS CAC03: 283.0
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00144

GEOTHERM FILE 101 0074509

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... TONY BRUNO WELL
 WELL/SPRING NUMBER..... 20S-61E-23-C8C2
 LOCATION TOWNSHIP-RANGE COORDINATES
 COUNTRY..... UNITED STATES 20S 061E 23 S4 OF NW SW LAT/LONG... 36-11.58 N 115-07.65 W
 STATE..... NEVADA UTM ZONE... 11
 COUNTY..... CLARK NORTHING...
 GEOLOGIC PROVINCE...
 MAP REFERENCE..... LAS VEGAS 1:250000; LAS VEGAS NW 1:24000
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 22.8
 WELL DEPTH (M)..... 64.
 DISCHARGE..... 151. L/MIN
 OTHER SAMPLE INFORMATION: DRILLED IN 1936 FOR DOMESTIC AND IRRIGATION USES.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00145

GEOTHERM FILE 101 0074806

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... H. G. CAMPBELL WELL
 WELL/SPRING NUMBER..... 21S-62E-30-DB82
 LOCATION TOWNSHIP-RANGE COORDINATES
 COUNTRY..... UNITED STATES 21S 062E 30 NW OF NW SE LAT/LONG... 36-05.42 N 115-05.23 W
 STATE..... NEVADA UTM ZONE... 11
 COUNTY..... CLARK
 GEOLOGIC PROVINCE... 24
 MAP REFERENCE..... LAS VEGAS 1:250000; LAS VEGAS SE 1:24000
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1944/08/24
 TEMPERATURE (C)..... 25.
 WELL DEPTH (M)..... 123.
 DISCHARGE..... 75.7 L/MIN
 OTHER SAMPLE INFORMATION: WELL COMPLETED IN 1926 FOR STOCK WATER.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00146

GEOTHERM FILE 101 0074804

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... H. G. CAMPBELL WELL

WELL/SPRING NUMBER..... 215-62E-30-0881
 LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE
 STATE..... NEVADA 21S 062E 30 NW OF NW SE
 COUNTY..... CLARK COORDINATES
 MAP REFERENCE..... LAS VEGAS 1:250000+ LAS VEGAS SE 1:24000 LAT/LONG... 36-05.42 N 115-05.23 W
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES. UTM ZONE... 11
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1942/08/24
 TEMPERATURE (C)..... 25.
 WELL DEPTH (M)..... 119.
 OTHER SAMPLE INFORMATION.. WELL COMPLETED IN 1926 FOR DOMESTIC AND IRRIGATION USES.
 ANALYSIS
 ALKALINITY..... 131. AS CAC03
 TOTAL DISSOLVED SOLIDS... 602.
 ANALYSIS IN PPM
 AG.... CO3..... N
 AL.... CR..... MG... 42.
 B.... F..... NA... 5102. 12.
 BA.... FE+J.... NA+K. 18.
 BE.... FE(TOT). NO... 504.. 315.
 CA.... 110. MCU3.... 160.
 CL.... 200
 OTHER ANALYTICAL DATA... HARDNESS AS CAC03: 447.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00147

GEOTHERM SAMPLE FILE
 NAME OF SAMPLE SOURCE... U.G. CAMPBELL WELL (#4)
 LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE
 STATE..... NEVADA 21S 062E 30 NW OF NW SE
 COUNTY..... CLARK COORDINATES
 GEOLOGIC PROVINCE... NORTHING... 3995610.
 MAP REFERENCE..... LAS VEGAS 1:250000+ LAS VEGAS, LAS VEGAS SE 1:24000 672250.
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1944/08/24
 TEMPERATURE (C)..... 25.
 WELL DEPTH (M)..... 119.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00148

GEOTHERM SAMPLE FILE
 NAME OF SAMPLE SOURCE... U.S. BUREAU OF LAND MANAGEMENT- TEN MILE WELL
 WELL/SPRING NUMBER..... 30S-63E-09-0A01
 LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE
 SE OF NE SE COORDINATES
 LAT/LONG... 35-20.83 N 114-50.52 W

STATE..... NEVADA
 COUNTY..... CLARK
 MAP REFERENCE..... SEARCHLIGHT, NEV.-CALIF. 1:62500
 OTHER LOCALITY INFORMATION: ELEVATION 2900 FT., LOCATED ABOUT 8.25 MILES S-SW OF TOWN SEARCHLIGHT.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1965/04/29

TEMPERATURE (C)..... 30.6

WELL DEPTH (M)..... 251.6

PERTINENT LITHOLOGY..... ALLUVIUM

OTHER SAMPLE INFORMATION.. SALINITY HAZARD REPORTED AS MEDIUM. USED FOR STOCK. DUMPED BY WINDMILL.

WATER ANALYSIS

PH..... 8.5

SPECIFIC CONDUCTANCE..... 334.

ANALYSIS IN PPM

AG..... CO3..... 5.

AL..... CA..... MG..... 0.9

BA..... FE+3..... NA+K..... 67.

BE..... FE(TOT)..... NB.....

CA..... 3.8 HCO3..... 114. SO4.. 24.

CL..... 22.

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3: 13.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... RUSH AND HUXEL, 1966

RECORD 00149

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0074839

NAME OF SAMPLE SOURCE... UNKNOWN SEEP

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 16S 067E 01 SW OF SE

STATE..... NEVADA

COUNTY..... CLARK

GEOLOGIC PROVINCE..

MAP REFERENCE..... LAS VEGAS 1:250000; OVERTON 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1949/10/12

TEMPERATURE (C)..... 21.1

OTHER SAMPLE INFORMATION.. HIGH SALINITY HAZARD FOR IRRIGATION.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 2420.

TOTAL DISSOLVED SOLIDS... 1720.

ANALYSIS IN MG/L

AL..... CR..... MG..... 104.

BA..... FE..... NA..... 5102. 54.

BE..... FE+3..... NA+K..... 256.

CA..... 153. FE(TOT)..... NB..... 504.. 805.

CL..... 175. HCO3..... 338. NO3.. 5.4

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3: 809.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... RUSH, 1968B.

RECORD 00150

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 007483

NAME OF SAMPLE SOURCE... UNNAMED SPRING

WELL/SPRING NUMBER..... 16S-56E-14-AB

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 16S 056E 14 NW OF NE

STATE..... NEVADA

COUNTY..... CLARK

GEOLOGIC PROVINCE... 24

MAP REFERENCE..... INDIAN SPRINGS SE 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1964/10/23

TEMPERATURE (C)..... 26.1

WATER ANALYSIS

P_H..... 7.3

TOTAL DISSOLVED SOLIDS... 223.

ANALYSIS IN PPM

AL....

CR.....

MG...

20.

NA....

F..... 0.1

NB...

504..

16.

BE....

FE(TOT)...

NO3..

1.1

CA... 5..

HCO3.... 239.

CL.... 3.7

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... *DESERT RESEARCH INSTITUTE, 1973

RECORD 00151

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0074785

NAME OF SAMPLE SOURCE... UNNAMED WELL

WELL/SPRING NUMBER..... 25S-60E-13-BBB

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 25S 060E 13 NW OF NW NW

STATE..... NEVADA

COUNTY..... CLARK

GEOLOGIC PROVINCE...

MAP REFERENCE..... KINGMAN 1:250000, SLUAN 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1968/07/01

TEMPERATURE (C)..... 27.2

WELL DEPTH (M)..... 122.

WATER ANALYSIS

P_H..... 7.9

TOTAL DISSOLVED SOLIDS... 1538.

ANALYSIS IN PPM

AL....

CR.....

MG...

94.

NA....

FE+J....

NA+K...

288.

BE....

FE(TOT)...

NO...

504..

85.

CA... 110.

HCO3.... 98.

CL.... 790.

REFERENCE AND IDENTIFICATION

ISOTOPES (0/00)

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... CENTER FOR WATER RESOURCES RESEARCH, DESERT RESEARCH INSTITUTE, UNIVERSITY OF NEVADA, 1973

RECORD 00152

GEOHEM SAMPLE FILE

GEOHEM FILE ID: 0074858

NAME OF SAMPLE SOURCE... UNNAMED WELL

WELL/SPRING NUMBER..... 13S-70E-35-CDD2

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 13S 070E 35 SE OF SE SW

LAT/LONG... 36-45.25 N 114-08.60 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... CLARK

NORTHING...

GEOLOGIC PROVINCE...

MAP REFERENCE..... LAS VEGAS 1:250000; MESQUITE 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1967/11/10

TEMPERATURE (C)..... 24.4

WELL DEPTH (M)..... 91.

OTHER SAMPLE INFORMATION.. HIGH SALINITY HAZARD FOR IRRIGATION

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 730.

TOTAL DISSOLVED SOLIDS... E 460.

ANALYSIS IN MG/L

ISOTOPIES (0/001)

AL.....

CR.....

MG... 29.

FE.....

FE (TOT)...

NB...

504..

128.

CA..... 38.

CL..... 42.

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3: 213.0

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GLANCY AND VAN DENBURGH, 1969

RECORD 00153

GEOHEM SAMPLE FILE

GEOHEM FILE ID: 0074831

NAME OF SAMPLE SOURCE... V. L. AND B. JENISON WELL

WELL/SPRING NUMBER..... 21S-06E-27-CCC1

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 21S 061E 27 SW OF SW SW

LAT/LONG... 36-05.24 N 115-09.17 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... CLARK

MAP REFERENCE..... LAS VEGAS 1:250000; LAS VEGAS SW 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1964/10/17

TEMPERATURE (C)..... 23.3

WELL DEPTH (M)..... 90.2

DISCHARGE..... 113.6 L/MIN

OTHER SAMPLE INFORMATION.. USED ONLY FOR OBSERVATION

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 54.4

TOTAL DISSOLVED SOLIDS... 478.

ANALYSIS IN PPM

ISOTOPIES (0/001)

AG.... CO3.....
 AL.... CR..... MG... 31.
 BA.... FE+3..... NA+K. 20.
 HE.... FE(TOT)... ND... 504.. 101.
 CA.... 61. MC03.... 253.
 CL.... 11.

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3= 282.
 QUALIFICATION FIELD... TEMPERATURE DATED 8-21-44
 REFERENCE AND IDENTIFICATION

COMPILED BY..... KUEHL, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00154

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074870

NAME OF SAMPLE SOURCE... W. WHIPPLE WELL
 WELL/SPRING NUMBER..... 155-67E-34-AB

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 155 067E 34 NW OF NE
 STATE..... NEVADA
 COUNTY..... CLARK

LAT/LONG... 36-35.55 N 114-28.85 W
 UTM ZONE... 11

MAP REFERENCE..... LAS VEGAS 1:250000, OVERTON 1:62500

OTHER LOCALITY INFORMATION: NEAR COMMUNITY OF LOGANDALE

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1949/10/11

TEMPERATURE (C)..... 24.4

WELL DEPTH (M)..... 27.

OTHER SAMPLE INFORMATION.. SALINITY HAZARD REPORTED AS HIGH.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 1610.

TOTAL DISSOLVED SOLIDS... 1070.

ANALYSIS IN MG/L

ISOTOPES (0/001)

AL.... CR..... MG... 54.
 BA.... FE..... NA... 5102. 30.
 HE.... FE+3..... NA+K. 177.
 CA.... FE(TOT)... ND... 504.. 421.
 CL.... 92. MC03.... 371. NO3.. 0.6

OTHER ANALYTICAL DATA... SAR= 3.5; HARDNESS AS CaCO3= 486.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUEHL, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... RUSH, 1968H

RECORD 00155

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074830

NAME OF SAMPLE SOURCE... W.L. AND B. JENISON WELL (W2)

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 215 061E 27 SW OF SW SW
 STATE..... NEVADA
 COUNTY..... CLARK

LAT/LONG... 36-05.3 N 115-08.9 W
 UTM ZONE... 11
 NORTHING... 3995132.
 666713.

GEOLOGIC PROVINCE...

MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS SW 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1944/08/21

TEMPERATURE (C)..... 72.8

WELL DEPTH (M)..... 80.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00156

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... W.N. HINSON WELL

LOCATION

COUNTRY..... UNITED STATES

STATE..... NEVADA

COUNTY..... CLARK

MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS NW 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1938/09/12

TEMPERATURE (C)..... 73.3

WELL DEPTH (M)..... 99.4

DISCHARGE..... 124.9 L/MIN

OTHER SAMPLE INFORMATION.. FLOWING IN 1938.

QUALIFICATION FIELD..... WELL CURRENT METER WAS LOWERED TO 83.3 METERS.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... LIVINGSTON, 1941

RECORD 00157

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... W.S. MARK SPRING

WELL/SPRING NUMBER..... 2WS-61E-22-B

LOCATION

COUNTRY..... UNITED STATES

STATE..... NEVADA

COUNTY..... CLARK

GEOLOGIC PROVINCE..

MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS NW 1:24000

OTHER LOCALITY INFORMATION: LOCATION APPROXIMATE

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1912/09/16

TEMPERATURE (C)..... 73.9

DISCHARGE..... 9 1529. L/MIN.

OTHER SAMPLE INFORMATION.. GOOD QUALITY FOR IRRIGATION AND DOMESTIC USES.

WATER ANALYSIS

DATE/ANALYST.....

TOTAL DISSOLVED SOLIDS... 258.

ANALYSIS IN PPM

AG....

AL....

H....

BA....

CO3.... M

CR....

F....

FE+3....

MG... 27.

NA...

NA+K. 26.

SI02. B.

COORDINATES

LAT/LONG... 36-12.0 N 115-08.75 W

UTM ZONE... 11

NORTHING...

GEOTHERM FILE ID: 0074506

ISOTOPES 10/001

RE.... FETOTI... 0.01 NB... 504... 33.
 CA.... 53. MC03.... 251. NO3... 2.
 CL.... 55.

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3: 243.
 QUALIFICATION FIELD... FLUX IS REPORTED FOR SPRING AT KYLE RANCH IN SEC. 15
 REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MAXEY AND JAMESON, 1946

RECORD 00158

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074865

NAME OF SAMPLE SOURCE... WARM SPRING

WELL/SPRING NUMBER..... 145-65E-16-ACB

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 14S 06SE 16 NW OF SW NE

LAT/LONG... 36-43.33 N 114-42.91 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... CLARK

NORTHING...

GEOLOGIC PROVINCE... 24

MAP REFERENCE..... LAS VEGAS 1:250000, MOAPA 1:25000

OTHER LOCALITY INFORMATION: ELEVATION 1760 FT.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1963/J4/15

TEMPERATURE (C)..... 32.2

DISCHARGE..... 12250 L/MIN

DEPOSITS OR ALTERATION... SPRING IN ALLUVIUM.

OTHER SAMPLE INFORMATION.. LARGEST THERMAL SPRING IN NEVADA. AGE (DEL C14) IS 19500 YRS B.P.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 985.

TOTAL DISSOLVED SOLIDS... 614.

CHARGE IMBALANCE (% DIFF)... 0.5

ANALYSIS IN PPM

AG.... CO3..... H

AL.... CR.....

R.... 0.3 F..... 2.4

BE.... FE(TOTI)...

CA.... 65. MC03.... 288.

CL.... 60. NO3... 2.3

CO.... K..... 10.

ISOTOPES (0/001)

TRITIUM (T.U.)..... L 4.

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3: 236.0 (CA AND MG)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... EAKIN, 1964; MIFFLIN, 1968

RECORD 00159

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0018073

NAME OF SAMPLE SOURCE... WATER FOUNTAIN VALLEY OF FIRE, NEV.

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 17S 067E 30 NW OF SW

LAT/LONG... 36-25.40 N 114-32.90 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... CLARK

NORTHING... 4033495.

GEOLOGIC PROVINCE...

719801.

MAP REFERENCE..... MUDDY PEAK 1:25000

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 75.1

WATER ANALYSIS

PH..... 9.6

TOTAL DISSOLVED SOLIDS..... 100.

CHARGE IMBALANCE (% DIFF).... 11.2

ANALYSIS IN PPM

AG..... CO3..... N

AL..... CR.....

B..... 0.57 F..... 0.1

RE..... FE(TOT)..... 0.15

CA..... 5.0 HCO3..... 37.

CD..... H2S.....

CL..... 8.1 K..... 2.7

CO.....

ISOTOPES (0/00)

MG..... 0.7

NA..... 36. SiO2..... 0.64

NB..... S04..... 64.

PU4..... N

REFERENCE AND IDENTIFICATION

COMPILER AFFILIATION... ARIZONA BUREAU OF GEOLOGY AND MINERAL TECHNOLOGY

REFERENCE..... SWANBERG AND OTHERS, 1977

RECORD 00160

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074807

NAME OF SAMPLE SOURCE... WELL #12

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 22S 061E 01 NE OF SE SW

LAT/LONG... 36-03.6 N 115-06.95 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... CLARK

NORTHING... 3992046.

GEOLOGIC PROVINCE..

669700.

MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS SE 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1946/04/09

TEMPERATURE (C)..... 26.1

WELL DEPTH (M)..... 70.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... MAXEY AND JAMESON, 1948

RECORD 00161

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074864

NAME OF SAMPLE SOURCE... WELL NEAR HOME RANCH

WELL/SPRING NUMBER..... 14S-63E-15-AAA

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 14S 065E 15 SW OF SW SW

LAT/LONG... 36-42.8 N 114-42.4 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... CLARK

NORTHING... 4965321.

GEOLOGIC PROVINCE.. 24

704836.

MAP REFERENCE..... LAS VEGAS 1:250000, MOAPA 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1968/06/25

TEMPERATURE (C)..... 32.2

WATER ANALYSIS

PH..... 7.7

ANALYSIS IN PPM

AL.... CR..... MG... 27.
 BE.... FE(TOT)... ND... 504.. 106.
 CA.... 65. MC03.... 265.
 CL.... 64.

ISOTOPIES (0200)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... *DESERT RESEARCH INSTITUTE, 1973

RECORD 00162

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074510

NAME OF SAMPLE SOURCE... WELL S20-61E-31-DAC1

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 20S 061E 31 SW OF NE SE

LAT/LONG... 36-10.4 N 115-11.25 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... CLARK

NORTHING... 4004495.

GEOLOGIC PROVINCE... 24

663010.

M.P. REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS NW 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1952/05/16

TEMPERATURE (C)..... 25.5

WELL DEPTH (M)..... 286.5

DISCHARGE..... 0.24358 L/MIN

PERTINENT LITHOLOGY..... WATER BEARING UNITS ARE PLIO-PLEISTOCENE FLUVIAL DEPOSITS.

OTHER SAMPLE INFORMATION.. MULTIPLE USES.

WATER ANALYSIS

P4..... 7.4

SPECIFIC CONDUCTANCE..... 447.

TOTAL DISSOLVED SOLIDS... 266.

CHARGE IMBALANCE (% DIFF)... 0.0

ANALYSIS IN PPM

ISOTOPIES (0200)

AG.... CO3.....
 AL.... CR..... MG... 25.
 AS.... CS..... MN... N
 H.... F..... 0.2 ST02.. 14.
 HE.... FE(TOT)... 0.05 NA... 504.. 51.
 CA.... 48. MC03.... 222. NU3.. 1.0
 CL.... 6.5
 CO.... K..... 3.6

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3 = 222.

QUALIFICATION FIELD... FLOW GIVEN IS A MAXIMUM, LISTED AS 950-1700 GPM.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... SCOTT AND BARKER, 1962

RECORD 00163

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074823

NAME OF SAMPLE SOURCE... WELL S20-61E-31-DAC1

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 20S 061E 31 SW OF NE SE

LAT/LONG... 36-10.4 N 115-11.25 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... CLARK
 GEOLOGIC PROVINCE...
 MAP REFERENCE..... LAS VEGAS 1:250000, LAS VEGAS NW 1:24000
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1952/05/20
 TEMPERATURE (C)..... 25.5
 DISCHARGE..... 2.24358 L/MIN

WATER ANALYSIS

PH..... 7.8
 SPECIFIC CONDUCTANCE..... 452.
 TOTAL DISSOLVED SOLIDS... 260.
 CHARGE IMBALANCE (% DIFF)... 0.6

ANALYSIS IN PPM(U IN MG/L)

AG....	CO3..... N				
AL.... N	CH.....	MG....	25.		
AS....	CS.....	MIN.... N			
B....	F.....	0.3			
BE....	FE(TOT)...	0.03			
CA....	HC03.....	229.			
CA+MG.	MG.....				
CL....					
CO....	K.....	3.5			

ISOTOPES (0/00)

SI02. 13.
 S04.. 52.
 U.... 0.002

OTHER ANALYTICAL DATA... HARNESS AS CaCO3: 228.0
 QUALIFICATION FIELD... FLOW MAXIMUM LISTED AS 950-1700 GPM.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... SCOTT AND BARKER, 1962

RECORD 00164

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0074504

NAME OF SAMPLE SOURCE... WHITE ROCK SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... CLARK
 GEOLOGIC PROVINCE.. 24

LAT/LONG... 36-10.45 N 115-28.72 W
 UTM ZONE... 11

MAP REFERENCE..... LAS VEGAS AMS, BLUE DIAMOND 1:24000, LA MADRE MTN 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.
 SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 1.1
 DISCHARGE..... 0.20778 L/MIN

PERTINENT LITHOLOGY..... WELL-DEVELOPED JOINTING AND PERMEABILITY IN AZTEC SANDSTONE.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 690.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... HUGHES, 1956

RECORD 00165

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0074863

NAME OF SAMPLE SOURCE... WOODRUFF AND ORAN PERKINS WELL

WELL/SPRING NUMBER..... 145-65E-08-DB1

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 145 065E 08 NW OF SE

LAT/LONG... 36-43.88 N 115-44.03 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... CLARK

NORTHING... 4067117.

GEOLOGIC PROVINCE... 24

702559.

MAP REFERENCE..... LAS VEGAS 1:250000, MOAPA 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1953/09/19

TEMPERATURE (C)..... 27.5

DISCHARGE..... 0 1078.9 L/MIN

OTHER SAMPLE INFORMATION.. OPEN DUG WELL, 5X5 FT., WATER LEVEL AT 23.38 FT. BE LOW LAND SURFACE. USED FOR IRRIGATION AND OBSERVATION.

QUALIFICATION FIELD..... FLOW REPORTED IN 1950. WELL NOTED AS "CAVED" IN 1953.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... EAKIN, 1964

RECORD 00166

GEOTERM. SAMPLE FILE

NAME OF SAMPLE SOURCE... DOUD SPRING

GEOTERM. FILE NO: 0074792

WELL/SPRING NUMBER..... 11N-021E-20-CD

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 11N 021E 20 SE OF SW

LAT/LONG... 38-47.7 N 119-39.2 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... DOUGLAS

NORTHING... 4297105.

GEOLOGIC PROVINCE... 24

269558.

MAP REFERENCE..... WALKER LAKE 1:250000, MT. SIEGEL 1:62500

OTHER LOCALITY INFORMATION: ELEVATION IS 5750 FEET.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1970/05/07

TEMPERATURE (C)..... 21.1

DISCHARGE..... 681.3 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GLANCY AND KATZER, 1975

RECORD 00167

GEOTERM. SAMPLE FILE

NAME OF SAMPLE SOURCE... HOBBS HOT SPRING

GEOTERM. FILE NO: 0026017

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 14N 019E 23 SE OF SE

LAT/LONG... 39-03.300N 119-48.500W

STATE..... NEVADA

COUNTY..... DOUGLAS

GEOLOGIC PROVINCE... 22

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1979/10/15 TREALEN, D.T.

TEMPERATURE (C)..... 46.

WATER ANALYSIS

pH..... 7.93

SPECIFIC CONDUCTANCE..... 778.

CHANGE IMBALANCE (% DIFF)... 6.8

ANALYSIS IN PPM

AG....	CU3....	LI....	0.35
AL....	CR....	MG....	L 0.05
AS.... 0.020	CS.... L 0.003		
R.... 2.1	F.... 7.4	NA....	142.
BA.... L 0.1	FE+3.... 0.04	SI02.	38.
BE....	FE(TOT)...	ND....	S04.. 133.
HI....	GA....	NH4..	SR... 0.2
CA.... 4.3	MCU3.... 73.	NO3..	L 0.01
CL.... 91.		NO3..	L 0.01
CO....	K.... 1.6	NO3..	0.013

ISOTOPES (0/001)

CONDENSATE ANALYSIS

ANALYSIS

AS... -115.
R... -13.1

ISOTOPES (0/001)

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSIN, GEORGE E.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00168

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0001026

NAME OF SAMPLE SOURCE... HOMO HOT SPRINGS

LOCATION

COUNTRY..... UNITED STATES 14N 019E 23 SE OF SE
STATE..... NEVADA
COUNTY..... DOUGLAS
GEOLOGIC PROVINCE..

COORDINATES

LAT/LONG... 39-03.3 N 119-48.5 W
UTM ZONE... 11
NORTHING... 4326426.
256983.

MAP REFERENCE..... CARSON CITY 1124000

OTHER LOCALITY INFORMATION: 8 MILES SSW OF CARSON CITY, NEV.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1960/05/03 ROBERSON, VAN DENBURGH, FETH
POINT OF COLLECTION.. HOTTEST OF THREE MAIN ORIFICES.
TEMPERATURE (C)..... 46.0
DISCHARGE..... R 473. L/MIN

WATER TREATMENT..... FILTERED AND ACIDIFIED WITH H2SO4 IN FIELD.

WATER ANALYSIS

DATE/ANALYST..... 1960/08/19 WHITEHEAD, H. C.
P..... 8.9
SPECIFIC CONDUCTANCE..... 662.
ALKALINITY..... 18. AS CaCO3
TOTAL DISSOLVED SOLIDS... 408.

ANALYSIS IN PPM

AG....	CO3....	17.	LI....	0.2
AL.... 0.06	CR....		MG....	0.7
AS.... N	CS....		MN....	N
H.... 1.5	F.... 7.1		NA....	125.
HE....	FE(TOT)...	0.03	ND....	SI02. 47.
HI....	GA....		NH4..	S04.. 109.
HR.... 0.1			SR... 0.23	
CA.... 6.0	MCU3....	51.	NO3..	N
CO....	H2S....	0.2	PO4..	0.01
CL.... 74.	I....	0.16		
CO....	K....	1.7		

ISOTOPES (0/001)

OTHER ANALYTICAL DATA... NO2 = N
 QUALIFICATION FIELD... FLOW RANGE IS ESTIMATED AT 10-15 GPM.
 REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE... GLANCY AND KATZER, 1975

RECORD 00169

GEOTHERM FILE ID: 0026047

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... POPE WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 15N 020E 23
 STATE... NEVADA
 COUNTY... DOUGLAS
 MAP REFERENCE... NEW EMPIRE 1:24000

LAT/LONG... 39-09.100N 119-42.583W

OTHER LOCALITY INFORMATION: PINYON RD.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... OFFICE OF THE STATE ENGINEER

TEMPERATURE (C)... 43. AT (M)... 32.

WELL DEPTH (M)... 32.

PERTINENT LITHOLOGY... QUATERNARY ALLUVIUM

REFERENCE AND IDENTIFICATION

COMPILED BY... GHUSN, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00170

GEOTHERM FILE ID: 0074390

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SARATOGA HOT SPRINGS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 14N 020E 21 SE 1/4 SE 1/4
 STATE... NEVADA
 COUNTY... DOUGLAS
 GEOLOGIC PROVINCE... 22
 MAP REFERENCE... HENO 1:250000; MCTARNAMAN HILL 1:24000

LAT/LONG... 39-04.5 N 119-44.6 W
 UTM ZONE... 11
 NORTHING... 4328474.
 262676.

OTHER LOCALITY INFORMATION: ELEVATION 4700 FT.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1970/05/14

TEMPERATURE (C)... 50.0

DISCHARGE... 1324.9 L/MIN

WATER ANALYSIS

PH... 9.0

SPECIFIC CONDUCTANCE... 1500.

ANALYSIS IN MG/L

AG... CO3... 7.

AL... CR... MG... N

H... F... NA... SI2... 20.

BA... FE+3... NA+K... 160.

BE... FE(TOT)... NH... S04... 678.

CA... 172. MC03... 4.

CL... 39.

ISOTOPES (U/001)

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3 = 429. SALINITY HAZARD - HIGH; SAR = 3.41 SODIUM HAZARD - LOW; HSC = S
 REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... GLANCY AND KATZER, 1975

RECORD 00171

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074790

NAME OF SAMPLE SOURCE... UNNAMED

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 14N 020E 19 NW OF NW

LAT/LONG... 39-03.9 N 119-47.2 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... DOUGLAS

NORTHING... 4327478.

GEOLOGIC PROVINCE..

258893.

MAP REFERENCE..... MEND 1:250000, CARSON CITY 1:62500, GENOA 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1970/10/07

TEMPERATURE (C)..... 24.4

WATER ANALYSIS

P-..... 8.9

TOTAL DISSOLVED SOLIDS... 381.

ANALYSIS IN PPM

AG..... CO3..... 12.

H..... F..... 7.7

BA..... FE+3.....

HE..... FE(TOT)..... 0.01

CA..... HCO3..... 107.

NA+K. 121.

NB...

504.. 84.

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... *DESERT RESEARCH INSTITUTE, 1973, COMPUTER DATA BANK

RECORD 00172

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074791

NAME OF SAMPLE SOURCE... UNNAMED

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 14N 020E 19 NW OF NW

LAT/LONG... 39-03.9 N 119-47.2 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... DOUGLAS

NORTHING... 4327478.

GEOLOGIC PROVINCE.. 22

258893.

MAP REFERENCE..... MEND 1:250000, CARSON CITY 1:62500, GENOA 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1970/10/07

TEMPERATURE (C)..... 32.2

WATER ANALYSIS

P-..... 8.4

TOTAL DISSOLVED SOLIDS... 372.

ANALYSIS IN PPM

AG..... CO3..... 20.

H..... F..... 7.6

BA..... FE+3.....

HE..... FE(TOT)..... 0.02

CA..... HCO3..... 93.

NA+K. 120.

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... *DESERT RESEARCH INSTITUTE, 1973, COMPUTER DATA BANK

RECORD 00173

GEOTHERM FILE 10: 0074789

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED

LOCATION

COUNTRY..... UNITED STATES 14N 020E 19 NW OF NW

STATE..... NEVADA

COUNTY..... DOUGLAS

GEOLOGIC PROVINCE..

MAP REFERENCE..... RENO 1:250000; CARSON CITY 1:62500; GENOA 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1970/10/07

TEMPERATURE (C)..... 27.2

MAJOR ANALYSIS

P..... 8.7

TOTAL DISSOLVED SOLIDS... 373.

ANALYSIS IN PPM

AG..... CO3..... 18.

R..... F..... 7.5

BA..... FE+J.....

BE..... FE(TOT)..... 0.03

CA..... 2. HCO3..... 98.

NA+K... 12% NO... 50% 83.

ISOTOPES (0/001)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... *DESERT RESEARCH INSTITUTE, 1973, COMPUTER DATA BANK

RECORD 00174

GEOTHERM FILE 10: 0074788

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED

LOCATION

COUNTRY..... UNITED STATES 14N 020E 19 NW OF NW

STATE..... NEVADA

COUNTY..... DOUGLAS

GEOLOGIC PROVINCE..

MAP REFERENCE..... RENO 1:250000; CARSON CITY 1:62500; GENOA 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1970/10/07

TEMPERATURE (C)..... 28.9

MAJOR ANALYSIS

P..... 8.5

TOTAL DISSOLVED SOLIDS... 372.

ANALYSIS IN PPM

R..... F..... 7.7

BA..... FE+J.....

BE..... FE(TOT)..... 0.01

CA..... 3. HCO3..... 98.

NA+K... 12% NO... 50% 90.

ISOTOPES (0/001)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... DESERT RESEARCH INSTITUTE, 1973, COMPUTER DATA BANK

RECORD 00175

GEO THERM SAMPLE FILE

GEO THERM FILE ID: 0026016

NAME OF SAMPLE SOURCE... WALLEY'S HOT SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 13N 019E 22 SW OF NW NE

LAT/LONG... 38-58.87 N 119-49.95 W

STATE..... NEVADA

COUNTY..... DOUGLAS

MAP REFERENCE..... MINDEN 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1979/10/15 TREXLER, D.T.

TEMPERATURE (C)..... 58.

MAJOR ANALYSIS

P1..... 9.08

SPECIFIC CONDUCTANCE..... 778.

CHARGE IMBALANCE (% DIFF)... 14.7

ANALYSIS IN PPM

AG..... 43.

AL.....

AS..... 0.167 CS..... 0.0172

BA..... 1.0 F..... 4.7

BA..... L 0.1 FE+3..... 0.03

BE..... FE(TOT).....

BI..... GA.....

CA..... 9.8 HCU3..... 1.9

CL..... 46. K..... 4.0

CO.....

LI... 0.215 S....

MG... L 0.05 SB...

NA... 130. S102. 72.

NB... S04... 265.

NH... SR... 0.210

NO3... 0.06

RO... 0.057

ISOTOPES (0/001)

DEL D OF WATER..... -132.

DEL D(18) OF WATER... -16.3

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHOSH, GEORGE E.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00176

GEO THERM SAMPLE FILE

GEO THERM FILE ID: 0074324

NAME OF SAMPLE SOURCE... WALLEY'S HOT SPRINGS

WARNING NUMBER..... AU

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 13N 019E 21 SW OF NW NE

LAT/LONG... 38-58.87 N 119-49.95 W

STATE..... NEVADA

COUNTY..... DOUGLAS

GEOLOGIC PROVINCE..

MAP REFERENCE..... MINDEN 1:24000

OTHER LOCALITY INFORMATION: SIX MILES NW OF MINDEN

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 64.4

PERTINENT LITHOLOGY..... FAULTED GRANITE.

OTHER SAMPLE INFORMATION.. FLOW REPORTED AS "LARGE"; MANY SPRINGS; RESORT.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WARING, 1965

RECORD 00177

GEOTHERM FILE 10: 0000883

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... WALLEYS HOT SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 13N 019E 22 SW 1/4 NE

LAT/LONG... 38-58.87 N 119-49.95 W

STATE... NEVADA

UTM ZONE... 11

COUNTY... DOUGLAS

NORTHING... 4318538.
254572.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... VAN DENBUNGH, A. S., ROBERSON, C. E.

TEMPERATURE (C)... 63.0

WATER ANALYSIS

ANALYSIS IN PPM

ISOTOPES (0/00)

AG... CO3... 552.

B... F... NA... SI02... 48.9

BI... CA... NH4... 0.035

OTHER ANALYTICAL DATA... ALP03 = 500.1; NA2SO4 = 212.81; K2SO4 = 11.61; CASO4 37.60; NA2SO4 = 6.93; NAHCO3 = 11.07;

N28404 = 29.82; CO2 = 111.11; NAOL = 81.90

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE... LINDGREN, 1911

RECORD 00178

GEOTHERM FILE 10: 0000882

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... WALLEYS HOT SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 13N 019E 22 NE

LAT/LONG... 38-58.87 N 119-49.95 W

STATE... NEVADA

UTM ZONE... 11

COUNTY... DOUGLAS

NORTHING... 4318538.
254572.

GEOLOGIC PROVINCE

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1952/06/11

TEMPERATURE (C)... 65.5

WATER ANALYSIS

DATE/ANALYST... 1953/12/22 KRAMER, HENRY

P... 8.4

SPECIFIC CONDUCTANCE... 133.

ANALYSIS IN PPM

ISOTOPES (0/00)

AG... CO3... N

AL... CH... MG... 3.3

B... 1.5 F... 4.0 NA... 136. SI02... 125.4

HE... FE(TOT)... NH... 504... 176.

CA... 16. HCO3... NO3... T

CL... 39.8

CO... K... 2.9

OTHER ANALYTICAL DATA... TOTAL ANIONS IN PPM 16.40. B = 0.85% OF EQUIVALENT.

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE... WHITE, D., USGS, MENLO PARK

RECORD 00179

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0000884

NAME OF SAMPLE SOURCE... VALLEYS HOT SPRING

LOCATION

IDWYSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 13N 019E 22 SW OF NW NE

LAT/LONG... 38-58.87 N 119-49.95 W

STATE... NEVADA

UTM ZONE... 11

COUNTY... DOUGLAS

NORTHING... 4318538.

GEOLOGIC PROVINCE...

254572.

MAP REFERENCE... MINDEN 1:24000

OTHER LOCALITY INFORMATION: 4 MILES WNW OF MINDEN, NEV., 3 MILES WEST OF HIGHWAY 395

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1959/11/10 VAN DENBURGH, A. S.

TEMPERATURE (C)... 63.0

DISCHARGE... E 5% L/MIN

WATER TREATMENT... AL IS UNFIXED, FL IS FIXED

WATER ANALYSIS

DATE/ANALYST... 1960/04/04 ROGERS, S. M.

P... 9.1

SPECIFIC CONDUCTANCE... 730.

ALKALINITY... 20.

AS CaCO3

TOTAL DISSOLVED SOLIDS... 499.

ANALYSIS IN PPM

ISOTOPES (0/00)

MAG... CU3... 24. LI... 0.19

AL... 0.28 CR... MG... 0.5

H... F... 5.0 NA... 137. S102. 61.

HE... FE(TOT)... 0.01 NB... S04.. 200.

CA... 9.6 HCO3... 12. NO3... 0.3

CD... H2S... PO4... 0.06

CL... 46.

CO... K... 2.9

OTHER ANALYTICAL DATA... TOTAL CATIONS IN EPM 6.58, TOTAL ANIONS IN EPM 6.72.

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE... WHITE, D., USGS, MENLO PARK

RECORD 00180

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0000857

NAME OF SAMPLE SOURCE... VALLEYS HOT SPRINGS (GENOA HOT SPRINGS)

LOCATION

IDWYSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 13N 019E 22 SW OF NW NE

LAT/LONG... 38-58.87 N 119-49.95 W

STATE... NEVADA

UTM ZONE... 11

COUNTY... DOUGLAS

NORTHING... 4318294.

GEOLOGIC PROVINCE... 24

254680.

MAP REFERENCE... WALKER LAKE 1:250000, MINDEN 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1972/00/00 MARINER'S GROUP

TEMPERATURE (C)... 61.0

DISCHARGE... 75. L/MIN

WATER TREATMENT... PRESSURE FILTERED THROUGH A .45 MICROMETRE MEMBRANE FILTER, DILUTED

DEPOSITS OR ALTERATION... CaCO3 APROX DEPOSIT

WATER ANALYSIS

DATE/ANALYST... 1972/00/00 BARNES GROUP

P4..... 8.7
 SPECIFIC CONDUCTANCE..... 726.

ANALYSIS IN MG/L

AG....		CO3.....	9.	LI...	0.2	S....	
AL....	0.032	CR.....		MG...	0.01	SB...	
AS....		CS.....	L 0.1	MN...	L 0.02		
AU....		CU.....	L 0.01				
B... ..	1.2	F.....	4.9	NA...	145.	SI02..	50.
BE....		FE(TOT)..	L 0.02	ND...		SO4...	235.
BI....		GA.....		NH4...	0.15	SR...	0.3
CA....	10.	HC03....	50.				
CA+MG.		HG.....	0.0003				
CD....		H2S.....		PO4...	0.06		
CL....	44.			RO...	0.03		
CO....		K.....	3.6				

ISOTOPIES (0/001)

DEL D OF WATER..... -114.5
 DEL DT(16) OF WATER... -15.55

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... MARINER AND OTHERS, 1974; MARINER AND OTHERS, 1975

RECORD 00181

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074281

NAME OF SAMPLE SOURCE... WALLY'S HOT SPRINGS - U.S. STEEL CORP. WELLS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY.....	UNITED STATES	13N 019E 22	SW OF NW NE	LAT/LONG...	38-58.87 N 119-49.95 W
STATE.....	NEVADA			UTM ZONE...	11
COUNTY.....	DOUGLAS			NORTHING...	4317974.
GEOLOGIC PROVINCE..					254863.

MAP REFERENCE..... MINDEN 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1962/00/00

TEMPERATURE (C)..... 83.0

WELL DEPTH (M)..... 384.

OTHER SAMPLE INFORMATION: 20 HOLES - DEPTH 30.5 TO 383.5 METERS. MAXIMUM TEMPERATURE AT 19.5 M.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... KOENIG, 1976

RECORD 00182

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0026033

NAME OF SAMPLE SOURCE... WHEAT WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY.....	UNITED STATES	15N 020E 23		LAT/LONG...	39-08.68N 119-42.10W
STATE.....	NEVADA				
COUNTY.....	DOUGLAS				

MAP REFERENCE..... NEW EMPIRE 1:24000

OTHER LOCALITY INFORMATION: 2449 PINYON RD.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... OFFICE OF THE STATE ENGINEER

TEMPERATURE (C)..... 54. AT (M)..... 50.

WELL DEPTH (M)..... 50.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00183

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... WILLIAMS WELL

GEOTHERM FILE ID: 0026006

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE 15N 020E 23 NE OF NE
 STATE..... NEVADA
 COUNTY..... DOUGLAS
 GEOLOGIC PROVINCE... 22
 MAP REFERENCE..... NEW EMPIRE 1:24000

COORDINATES

LAT/LONG... 39-09.317N 119-41.850W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... OFFICE OF THE STATE ENGINEER
 TEMPERATURE (C)..... 60. AT (M)... 56.
 WELL DEPTH (M)..... 56.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00184

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CARLOTTI RANCH SPRING, SULFUR SPRING

GEOTHERM FILE ID: 0074337

WELL NUMBER..... 9)

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE 28N 052E 24 SE
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE... 23

COORDINATES

LAT/LONG... 40-17.4 N 116-03.0 W
 UTM ZONE... 11
 NORTHING... 4460168.
 580750.

MAP REFERENCE..... WINNEMUCCA 1:250000, PINE VALLEY 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES TO MILES NORTH OF MINERAL TWO SPRINGS
 1/4 MILE APART. 10 MILES NORTH OF MINERAL TWO SPRINGS 1/4 MILE APART.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 39.0
 DISCHARGE..... 378.5 L/MIN

PERTINENT LITHOLOGY..... PLIOCENE LAKEBEDS OVERLYING PALEOZOIC STRATA.

OTHER SAMPLE INFORMATION... TEMPERATURE RANGES FROM 35-39 C. TWO SPRINGS USED TO IRRIGATE.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... WADING, 1965

RECORD 00185

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CITY OF ELKO WELL NO. 12

GEOTHERM FILE ID: 0074763

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE 34N 055E 11 NE OF SW SW
 STATE..... NEVADA
 COUNTY..... ELKO

COORDINATES

LAT/LONG... 40-50.6 N 115-45.3 W
 UTM ZONE... 11
 NORTHING... 4521900.

GEOLOGIC PROVINCE.. 23
 MAP REFERENCE..... ELKO WEST 1:24000
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACUMATE TO WITHIN 0.55 MILES,
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1946/12/23
 TEMPERATURE (C)..... 23.9
 WELL DEPTH (M)..... 174.

604950.

WATER ANALYSIS

ALKALINITY.....	113.	AS CaCO3			
TOTAL DISSOLVED SOLIDS...	269.				
ANALYSIS IN PPM					
AG....	CO3.....	3.			
AL....	CR.....		MG...	12.	
H....	F.....	25.	NA...		SI02. 81.
BA....	FE+3....		NA+K.	20.	
HE....	FE(TOT).		NH...		S04.. 21.
CA....	HC03....	139.			
CL....					

(ISOTOPES IN/OUT)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, S.A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... FREDERICKS AND LUELTZ, 1947

RECUMD 00186

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 007473.

NAME OF SAMPLE SOURCE... DEVIL'S PUNCH BOWL
 LOCATION
 COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE.. 23
 MAP REFERENCE..... WELLS 1:250000, HOT SPRINGS CREEK 1:24000
 OTHER LOCALITY INFORMATION: LOCATED NEAR MARY'S RIVER RANCH.

COORDINATES

LAT/LONG... 41-15.9 N 115-18.3 W
 UTM ZONE... 11
 NORTHING... 4069348,
 641980.

SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1978/08/18
 TEMPERATURE (C)..... 52.
 DEPOSITS OR ALTERATION... SPECTACULAR TUFA DEPOSITS 50 FT HIGH AND 200 FT IN DIAMETER.
 OTHER SAMPLE INFORMATION.. A CIRCULAR CATILE DIP NEARBY WAS ONCE FILLED WITH THE HOT SPRING WATER AND USED TO TREAT
 CATTLE FOR A SCAB DISEASE.

WATER ANALYSIS

P.....	6.7				
SPECIFIC CONDUCTANCE.....	1450.				
CHANGE IMBALANCE (% DIFF)...	2.0				
ANALYSIS IN PPM					
AL....	CR.....		MG...	14.	
H....	F.....		NA...	236.	SI02. 30.
RE....	FE(TOT).		NH...		S04.. 10.
CA....	HC03....	4007.			
CL....					
CO....	K.....	43.			

(ISOTOPES IN/OUT)

QUALIFICATION FIELD..... BICARBONATE TITRATED WITHIN 24 HOURS OF SAMPLING.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 COMPILER CROSS INDEX... NK-11-9-8

REFERENCE..... TREALER AND OTHERS, 1979

RECORD 00187

GEOTHERM FILE ID: 0000886

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... ELKO HOT SPRINGS

LOCATION TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 34N 05SE 21 SE OF SE

STATE..... NEVADA

COUNTY..... ELKO

GEOLOGIC PROVINCE..

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 65.6

WATER ANALYSIS

DATE/ANALYST.....

NEVADA GEOLOGICAL SURVEY

TOTAL DISSOLVED SOLIDS... 921.

ANALYSIS IN PPM

ISOTOPE (O/UU)

AL.... 1

CR.....

MG... 15.

R....

F.....

NA... 161.

SI02.. 70.

RE....

FE (TOT) 1

NB... 83.

S04.. 83.

CA.... 54.

HCO3.... 504.

CL.... 34.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... FITCH, 1927

RECORD 00188

GEOTHERM FILE ID: 0074216

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... ELKO HOT SPRINGS

LOCATION TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 34N 05SE 21 SE OF SE

STATE..... NEVADA

COUNTY..... ELKO

GEOLOGIC PROVINCE..

MAP REFERENCE..... ELKO 11250000, ELKO WEST 1124000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 88.0

DISCHARGE..... 1703. L/MIN

OTHER SAMPLE INFORMATION: TEMPERATURE RANGES FROM 65.6 TO 88 DEG.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... EAKIN AND OTHERS, 1951

RECORD 00189

GEOTHERM FILE ID: 0000885

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... ELKO HOT SPRINGS (HOT MULE)

LOCATION TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 34N 05SE 21 SW OF SE NE

STATE..... NEVADA

COUNTY..... ELKO

GEOLOGIC PROVINCE..

COORDINATES

LAT/LONG... 40-49.12 N 115-46.10 W

UTM ZONE... 11

NORTHING... 4506905.

573770.

M.P. REFERENCE..... ELKO WEST 1:24000
 OTHER LOCALITY INFORMATION: 1 MILE WEST OF ELKO, NEVADA
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1957/09/01 WHITE, DON E.
 TEMPERATURE (C)..... 52.0
 DISCHARGE..... 6 113.6 L/MIN
 DEPOSITS OR ALTERATION.... LARGE TRAVERTINE CORE ON FAULT.
 PERTINENT LITHOLOGY..... A LARGE TRAVERTINE CORE ON NE FAULT AT NORTH END OF LOW RANGE AT CONTACT OF QAL AND
 TERTIARY LAKE BEDS DOWN-FAULTED AGAINST PALEOZOIC QUARTZITE.

WATER ANALYSIS

DATE/ANALYST..... 1958/04/02 WHITEHEAD, M. C.

P..... 7.4

SPECIFIC CONDUCTANCE..... 938.

ANALYSIS IN PPM

AG.....	CO3.....	N	LI.....	N
AL.....	CR.....		MG.....	1.
B..... 0.8	F..... 2.5		NA.....	122.
FE.....	FE(TOT).....		NB.....	5102.
HI.....	GA.....		NH4.....	72.
CA..... 64.	HCO3..... 486.		NO3.....	30.
CL..... 17.				
CO.....	K..... 39.			

ISOTOPES (U/UM)

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... WHITE, D., USGS, MENLO PARK

RECORD 00190

GEOTHERM FILE ID: 0074116

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... ELKO, SULPHUR, WHITE SULFUR, AND HUMBOLDT HOT SPRINGS

WATERING NUMBER..... 32

LOCATION

COUNTRY.....	UNITED STATES	34N 05SE 21	SE OF SE
STATE.....	NEVADA		
COUNTY.....	ELKO		
GEOLOGIC PROVINCE..			

COORDINATES

LAT/LONG...	40-46.6 N 115-48.8 W
UTM ZONE...	+11
NORTHING...	4514431.
	600140.

MAP REFERENCE..... ELKO 1:250000, ELKO WEST 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 88.5

OTHER SAMPLE INFORMATION.. WATERING NO. 32.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WAMING, 1965

RECORD 00191

GEOTHERM FILE ID: 0001027

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... ELLISON RANCH SPRING

LOCATION

COUNTRY.....	UNITED STATES	41N 05SE 08	NE
STATE.....	NEVADA		
COUNTY.....	ELKO		
GEOLOGIC PROVINCE..			

COORDINATES

LAT/LONG...	41-28. N 116-09.2 W
UTM ZONE...	+11
NORTHING...	4503738.
	571548.

MAP REFERENCE..... TUSCARORA 1762500
OTHER LOCALITY INFORMATION: HOT SPRINGS CREEK 10 MI. NNE OF TUSCARORA ALSO JACK CREEK, ELKO CO.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1958/06/23 COATS, R. R.

TEMPERATURE (C)..... 93.0

DISCHARGE..... 3.8 L/MIN

DEPOSITS OR ALTERATION.... CALCITE TRAVERTINE DEPOSIT

WATER ANALYSIS

DATE/ANALYST..... 1959/01/23 WHITEHEAD, M. C.

PH..... 8.1

SPECIFIC CONDUCTANCE..... 793.

TOTAL DISSOLVED SOLIDS... 631.

ANALYSIS IN PPM

AG....	CO3.....	LI....	0.6
AL.... 0.47	CR.....	MG....	0.2
AS.... N	CS.....	MN....	N
H.... 0.81	F..... 9.4	NA....	157.
HE....	FE(TOT). N	NO....	106.
HI....	GA.....	NH4....	75.
HR.... N			
CA.... 13.	HCO3.... 338.	NO3.. N	
CD....	H2S.... N	PO4..	0.05
CL.... 9.0	I..... 0.2		
CO....	K..... 16.		

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... WHITE, D., USGS, MENLO PARK, CA

RECORD 00192

GEOTERM FILE 101-0074718

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... GAMBLE RANCH WELL NO. 4

LOCATION

COUNTRY..... UNITED STATES 40N 069E 16 SW

STATE..... NEVADA

COUNTY..... ELKO

GEOLOGIC PROVINCE.. 23

MAP REFERENCE..... WELLS AMS, MONTELLLO 1124000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.

COORDINATES

LAT/LONG... 41-20.6 N 114-10.3 W
UTM ZONE... 11
NORTHING... 4582365.
EASTING... 736448.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1967/06/21

TEMPERATURE (C)..... 29.

WELL DEPTH (M)..... 64.

PERTINENT LITHOLOGY..... ALLUVIUM

WATER ANALYSIS

PH..... 8.2

SPECIFIC CONDUCTANCE..... 885.

ANALYSIS IN PPM

AG....	CO3.....	MG....	27.
AL....	CR.....	NA+K..	93.
BA....	FE+3....	NO....	504..
BE....	FE(TOT).		103.
CA.... 74.	HCO3.... 278.		
CL.... 117.			

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... RUSH, 1968

RECORD 00193

GEOTHERMAL SAMPLE FILE

GEOTHERMAL FILE ID: 0000881

NAME OF SAMPLE SOURCE... GAMBLE'S HOLE

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 46N 069E 10 SE

LAT/LONG... 41-53.1 N 114-07.0 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... ELKO

NORTHING... 4640815.

GEOLOGIC PROVINCE..

739238.

MAP REFERENCE..... GOOSE CREEK 1:62500

OTHER LOCALITY INFORMATION: ELEVATION 5220 FT.; 100 YDS. EAST OF GOOSE CREEK

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1921/11/00

POINT OF COLLECTION.. SAMPLE FROM CENTER POOL.

TEMPERATURE (C)..... 39.4

DISCHARGE..... 2 30.3 L/MIN

PERTINENT LITHOLOGY..... FROM ALLUVIUM NEAR PALEOZOIC ROCKS.

WATER ANALYSIS

DATE/ANALYST..... FOSTER, M. D.

TOTAL DISSOLVED SOLIDS... 173.

ANALYSIS IN PPM

ISOTOPES (1970)

AG....	CO3.....	N			
AL....	CR.....		MO....	9.9	
B....	F.....		NA....		32.
BA....	FE+3.....		NA+K....	15.	
HE....	FE(TOT).....	0.06	NO....		15.
CA....	MCU3.....	147.	NO3....	0.22	
CL....		3.2			

OTHER ANALYTICAL DATA... ORGANIC TOTAL IN PPM 3.8.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... PIPER, 1923

RECORD 00194

GEOTHERMAL SAMPLE FILE

GEOTHERMAL FILE ID: 0074774

NAME OF SAMPLE SOURCE... GOOSE CREEK AREA SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 46N 069E 10 SE OF SW SE

LAT/LONG... 41-53.2 N 114-07.2 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... ELKO

NORTHING... 4640991.

GEOLOGIC PROVINCE.. 23

738955.

MAP REFERENCE..... WELLS AMS. GOOSE CREEK 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1976/11/10

TEMPERATURE (C)..... 33.9

WATER ANALYSIS

pH..... 7.2

SPECIFIC CONDUCTANCE..... 240.

TOTAL DISSOLVED SOLIDS... 162.

CHARGE IMBALANCE (+ DIFF)... 3.3

ANALYSIS IN PPM

ISOTOPE (10/00)

AG....	CO3.....	N	MG...	8.1		
AL....	CH.....		NA...	9.6	SI02..	23.
H....	F.....	0.4	NB...		SO4...	13.
BE....	FE(TOT)...		NH4...		SR...	0.36
SI....	GA.....					
CA....	HC03....	144.				
CL....						
CO....	K.....	4.6				

OTHER ANALYTICAL DATA... SAR = 0.4

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... *USGS WATER

RECORD 00195

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0074128

NAME OF SAMPLE SOURCE... H.D. RANCH SPRING, HOT CREEK SPRINGS

WELLING NUMBER..... 300

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 43N 060E 34 SE OF SW NW
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE... 23
 MAP REFERENCE..... WELLS 1:250000, HOT CREEK 1:24000
 OTHER LOCALITY INFORMATION: 1.6 MILES ENE OF GIBBS RANCH

LAT/LONG... 41-34.57 N 115-10.85 W
 UTM ZONE... 11
 NORTING... 4604532.
 651722.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... R 64.6
 DISCHARGE..... 7271. L/MIN
 DEPOSITS OR ALTERATION... TUFFA DEPOSITS
 OTHER SAMPLE INFORMATION... MANY SPRINGS
 QUALIFICATION FIELD... TEMPERATURE RANGE = 61.1-67.7

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... WARING, 1965

RECORD 00196

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0000631

NAME OF SAMPLE SOURCE... HOT HOLE (ELKO HOT SPRINGS)

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 34N 055E 21 NE
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE... 23
 MAP REFERENCE..... ELKO WEST 1:24000.

LAT/LONG... 40-49.11 N 115-46.53 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP
 TEMPERATURE (C)..... 56.0

DISCHARGE..... 75. L/MIN.
 WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETRE MEMBRANE FILTER, DILUTED
 DEPOSITS OR ALTERATION... AN APRON OF CaCO3 DEPOSITED AROUND SPRING
 PERTINENT LITHOLOGY..... ROCK TYPES: LIMESTONE, LACUSTRINE DEPOSITS, VOLCANICS.

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

P-1..... 7.2

SPECIFIC CONDUCTANCE..... 908.

ALKALINITY..... 488. AS HCO₃

ANALYSIS IN MG/L

AG.....		CO ₃	1.0	LI.....	0.33	S.....	
AL.....	0.002	CH.....		MG.....	15.5	SB.....	
AS.....		CS.....	L 0.1	MN.....	0.02		
AU.....		CU.....	0.04				
B.....	0.7	F.....	1.9	NA.....	120.	SI02.....	65.
BE.....		FE(TOT).....	L 0.02	NB.....		SO4.....	72.
BI.....		GA.....		NH4.....	0.59	SR.....	3.4
CA.....	60.	HCO ₃	488.				
CA+MG.....		HG.....	0.0003				
CD.....		H2S.....		PO4.....	0.18		
CL.....	16.						
CO.....		K.....	39.	Nb.....	0.1		

ISOTOPES (0/001)

DEL D OF WATER..... -144.7

DEL O(18) OF WATER... -15.31

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... MARINEK AND OTHERS, 1974B; MARINEK AND OTHERS, 1975

RECORD 00197

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... HOT SPRING

GEOTHERM FILE 101 0074343

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 38N 062E 17 NW OF NE

LAT/LONG... 41-10.95 N 114-59.4 W

STATE..... NEVADA

COUNTY..... ELKO

GEOLOGIC PROVINCE.. 23

MAP REFERENCE..... WELLS 1:250000 D. LEY PEAK 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES. SITE #49

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 53.1

DISCHARGE..... 56.8 L/MIN

OTHER SAMPLE INFORMATION.. TEMPERATURE RANGES FROM 48.9-57.2 C.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... BRAUBERRY, 1964

RECORD 00198

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... HOT SPRINGS

GEOTHERM FILE 101 0074218

WELLS NUMBER..... 22

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 46N 056E 14 SW OF NW

LAT/LONG... 41-52.60 N 114-37.56 W

STATE..... NEVADA

COUNTY..... ELKO

MAP REFERENCE..... ROWLAND 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES. 15 MILES EAST OF MOUNTAIN CITY ON

BRUNEAU RIVER.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 40.0
 DISCHARGE..... 298. L/MIN
 PERTINENT LITHOLOGY..... PALEOZOIC LIMESTONE
 OTHER SAMPLE INFORMATION... SEVERAL SPRINGS IN AREA.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... WARING, 1965

RECORD 00199

GEOOTHERM SAMPLE FILE

GEOOTHERM FILE ID: 0074341

NAME OF SAMPLE SOURCE... HOT SPRINGS
 WARING NUMBER..... 3VA

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 38N 062E 17 NW OF NE
 STATE..... NEVADA
 COUNTY..... ELKO
 MAP REFERENCE..... WELLS 1:250000, OXLEY PEAK 1:24000

LAT/LONG... 41-10.96 N 114-57.37 W

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES, 5.5 MILES N OF WELLS.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 47.5

DISCHARGE..... 37.8 L/MIN

DEPOSITS OR ALTERATION... LARGE DEPOSIT OF TRAVERTINE.

OTHER SAMPLE INFORMATION... THREE SPRINGS. TEMPERATURE RANGE 45-50 C. • WATER USED BY STOCK.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WARING, 1965

RECORD 00200

GEOOTHERM SAMPLE FILE

GEOOTHERM FILE ID: 0000687

NAME OF SAMPLE SOURCE... HOT SPRINGS NEAR CARLIN

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 33N 052E 33 SE
 STATE..... NEVADA
 COUNTY..... ELKO
 MAP REFERENCE..... CARLIN 1:62500

LAT/LONG... 40-41.8 N 116-07.6 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1958/10/08

TEMPERATURE (C)..... 40.0

DISCHARGE..... 18.9 L/MIN

WATER ANALYSIS

DATE/ANALYST..... 1958/11/03 WHITEHEAD, H. C.

PH..... 6.9

SPECIFIC CONDUCTANCE..... 665.

ALKALINITY..... AS CAC03

TOTAL DISSOLVED SOLIDS... 457.

ANALYSIS IN PPM

ISOTOPE5 (0/00)

AG....		CU3.... N	LI...	0.5		
AL.... 0.36		CR....	MG...	14.		
AS.... N		CS....	MN...	0.005		
AU....		CJ.... N				
B.... 0.59		F.... 1.2	NA...	52.0	SI02.	84.
BE....		FE(TOT). 0.16	NB...		SO4...	53.

BI....	GA.....	NH4..	0.6
HR....			
CA.... 62.	HC03.... 330.	NO3..	0.9
CA+MG.	HG.....	PO4..	0.07
CO....	H2S..... 0.5		
CL.... 13.	I..... N		
CO....	K..... 16.	ZN... 0.05	

OTHER ANALYTICAL DATA... CATION TOTALS IN EPM 7.01 ANION TOTALS IN EPM 6.95
 REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... WHITE, D., USGS, MENLO PARK

RECORD 00201

GEOOTHERM SAMPLE FILE

GEOOTHERM FILE 101 0074323

NAME OF SAMPLE SOURCE... HOT SULFUR SPRINGS

WATING NUMBER..... 31

LOCATIONTOWNSHIP-RANGECOORDINATES

COUNTRY..... UNITED STATES 33N 05E 08 NW

LAT/LONG... 40-45.85 N 116-02.45 W

STATE..... NEVADA

COUNTY..... ELKO

MAP REFERENCE..... HUNTSMAN RANCH 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES. ABOUT NINE MILES NW OF CARLIN.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 36.7

DISCHARGE..... 56.8 L/MIN

PERTINENT LITHOLOGY..... QUARTZITE (CARBONIFEROUS)

OTHER SAMPLE INFORMATION... A 0.3 MILE LINEAR PATTERN OF SEVERAL SPRINGS.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WATING, 1965

RECORD 00202

GEOOTHERM SAMPLE FILE

GEOOTHERM FILE 101 0000635

NAME OF SAMPLE SOURCE... HOT SULPHUR SPRINGS

LOCATIONTOWNSHIP-RANGECOORDINATES

COUNTRY..... UNITED STATES 41N 05E 08 NE

LAT/LONG... 41-28.06 N 116-08.98 W

STATE..... NEVADA

COUNTY..... ELKO

MAP REFERENCE..... TUSCARORA 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MOSE, R. K.

TEMPERATURE (C)..... 90.0

WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETRE MEMBRANE FILTER, DILUTED

PERTINENT LITHOLOGY..... TERTIARY VOLCANICS, PALEOZOIC LIMESTONES

MAJOR ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

PH..... 7.0

SPECIFIC CONDUCTANCE..... 1760.

ALKALINITY.....

AS HC03

ANALYSIS IN MG/L

AG....

CO3....

LI....

0.7

S....

AL....

CR....

MG....

13.

SB....

ISOTOPIES (0/00)

DEL D OF WATER..... -134.9

DEL O(18) OF WATER... -16.78

B..... 0.77 F..... 7.2 NA... 390. SI02. 84.
 RE..... FE(TOT): NH... S04.. 18.
 CA..... 49. MC03... 1186.0
 CL..... 40.
 CO..... K..... 41.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... MARINER AND OTHERS, 1974; MARINER AND OTHERS, 1975

RECORD 00203

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074348

NAME OF SAMPLE SOURCE... HUMBOLDT WELLS-SULFUR SPRING
 WARING NUMBER..... 30

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 38N 062E 20 SE OF SE
 STATE..... NEVADA
 COUNTY..... ELKO

LAT/LONG... 41-09.5 N 114-59.1 W
 UTM ZONE... 11
 NORTHING... 4558079.
 669068.

GEOLOGIC PROVINCE..

MAP REFERENCE..... WELLS 1:250000; OXLEY PEAK 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.2 MILES; IN EMIGRANT CANYON, 4.2 MILES N. OF WELLS.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 36.7
 DISCHARGE..... 189.0 L/MIN
 PERTINENT LITHOLOGY..... FAULTED QUARTZITE.
 OTHER ANALYTICAL DATA... WATER CONTAINS MUCH H2S.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... WARING, 1965

RECORD 00204

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074346

NAME OF SAMPLE SOURCE... HUMBOLDT WELLS-SULFUR SPRINGS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 38N 062E 20 SE OF SE
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE..

LAT/LONG... 41-09.5 N 114-59.1 W
 UTM ZONE... 11
 NORTHING... 4558079.
 669068.

MAP REFERENCE..... WELLS 1:250000; OXLEY PEAK 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1961/00/00
 TEMPERATURE (C)..... 36.7
 DISCHARGE..... 572. L/MIN
 OTHER SAMPLE INFORMATION: REFERENCE NOT AVAILABLE

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... OESTERLING, W. A., SOUTHERN PACIFIC R.R. CO., 1961

RECORD 00205

GEOHEM SAMPLE FILE

GEOHEM FILE ID: 0074345

NAME OF SAMPLE SOURCE... HUMBOLDT WELLS-THREE MILE SPRINGS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 38N 062E 20 NE OF SE

LAT/LONG... 41-09.5 N 114-59.1 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... ELKO

NORTHING... 4556079.

GEOLOGIC PROVINCE..

669068.

MAP REFERENCE..... WELLS 1:250000, OXLEY PEAK 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1961/00/00

TEMPERATURE (C)..... 46.1

DISCHARGE..... 14. L/MIN

OTHER SAMPLE INFORMATION.. REFERENCE NOT AVAILABLE

OTHER ANALYTICAL DATA... SMELLS OF SULFUR.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... ROESTERLING, SOUTHERN PACIFIC R.R. CO., 1961

RECORD 00206

GEOHEM SAMPLE FILE

GEOHEM FILE ID: 0074762

NAME OF SAMPLE SOURCE... JOHNSON RANCH (BIG SPRINGS)

WATERING NUMBER..... 30C

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 36N 066E 28 SW OF SW SE

LAT/LONG... 40-58.25 N 114-30.4 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... ELKO

NORTHING... 4538302.

GEOLOGIC PROVINCE.. 23

709801.

MAP REFERENCE..... ELKO 1:250000, INDEPENDENCE VALLEY NE 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 22.7

DISCHARGE..... 113.6 L/MIN

PERTINENT LITHOLOGY..... TERTIARY "LAVA"

OTHER SAMPLE INFORMATION.. WATER USED FOR IRRIGATION AND DOMESTIC PURPOSES.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WARING, 1965

RECORD 00207

GEOHEM SAMPLE FILE

GEOHEM FILE ID: 0074289

NAME OF SAMPLE SOURCE... METROPOLIS (TWELVEMILE SPRINGS)

WATERING NUMBER..... 30B

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 39N 062E 27 NE OF NE

LAT/LONG... 41-14.7 N 114-57.1 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... ELKO

NORTHING... 4567766.

GEOLOGIC PROVINCE.. 23

671630.

MAP REFERENCE..... WELLS 1:250000, OXLEY PEAK 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 38.9

DISCHARGE..... 3038.3 L/MIN

PERTINENT LITHOLOGY..... CARBONIFEROUS LIMESTONE

OTHER SAMPLE INFORMATION... SEVERAL SPRINGS IN CANYON, USED FOR IRRIGATION.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WARING, 1965

RECORD 00208

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0000629

NAME OF SAMPLE SOURCE... MINERAL HOT SPRINGS

LOCATION..... TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 45N 064E 16

LAT/LONG... 41-47.29 N 114-43.76 W

STATE..... NEVADA

COUNTY..... ELKO

MAP REFERENCE..... DELAPLAIN 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1973/06/11 HOSE, R. K.

TEMPERATURE (C)..... 60.0

WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETRE MEMBRANE FILTER, DILUTED

PERTINENT LITHOLOGY..... TERTIARY LACUSTRINE, GRANITE(?), VOLCANICS

ANALYSIS

DATE/ANALYST..... 1973/08/20 BARNES GROUP

P..... 9.1

SPECIFIC CONDUCTANCE..... 344.

ALKALINITY..... AS HCO3

ANALYSIS IN MG/L

ISOTOPIES (0/00)

AG..... CO3..... LI... L 0.2 S..... DEL D OF WATER..... -13.0

AL..... CH..... MG... L 0.01 SB... DEL D(18) OF WATER... -17.61

B..... 0.47 F..... 8.9 NA... 7.5 SI02... 83.

BE..... FE(TOT)... NB... S04... 45.

CA..... 1.0 HCO3... 108.

CL..... 15.

CO..... K..... 2.2

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... MARINER AND OTHERS, 1974B, MARINER AND OTHERS, 1975

RECORD 00209

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0074112

NAME OF SAMPLE SOURCE... NILE SPRING

WARING NUMBER..... 74

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 47N 070E 30 SW OF SW

LAT/LONG... 41-55.7 N 114-04.12 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... ELKO

NORTHING... 6646323.

GEOLOGIC PROVINCE...

743203.

MAP REFERENCE..... WELLS 1:250000, GOOSE CREEK 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1921/00/00
 TEMPERATURE (C)..... 41.1
 DISCHARGE..... 22.7 L/MIN
 DEPOSITS OR ALTERATION.... TRAVERTINE TERRACE DEPOSITED BY THE SPRINGS CROPS OUT OVER 2-3 ACRES.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... PIPEK, 1923

RECORD 00210

GEOTHERM FILE 10: 0000815

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... NILE SPRING

LOCATION

COUNTRY..... UNITED STATES 47N 070E 30 SW OF SW SW
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE... 23
 MAP REFERENCE..... GOOSE CREEK 1:62500

COORDINATES

LAT/LONG... 41-55.7 N 114-04.12 W
 UTM ZONE... 11
 NORTING... 4645758.
 742946.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 HUSE, R. K.
 TEMPERATURE (C)..... 43.0
 WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETRE MEMBRANE FILTER; DILUTED.
 DEPOSITS OR ALTERATION... NO SPRING DEPOSITS
 PERTINENT LITHOLOGY..... TERTIARY LACUSTRINE ROCKS

ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

P1..... 7.2
 SPECIFIC CONDUCTANCE..... 321.
 ALKALINITY..... 149. AS HCO3

ANALYSIS IN MG/L

AG....	CO3....	LI....	L 0.2	S....	
AL....	CR....	MG....	11.5	SB....	
AR....	F....	NA....	10.	SI02..	31.
BE....	FE(TOT)...	NH....		SO4....	37.
CA....	HCO3....				
CL....					
CO....	K....				

ISOTOPES (0/00)

DEL O OF WATER..... -139.1
 DEL O (18) OF WATER... -18.24

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... MARINER AND OTHERS, 1974b; MARINER AND OTHERS, 1975

RECORD 00211

GEOTHERM FILE 10: 0074352

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... PAN AMERICAN PETROLEUM CORP COBRE MINERALS CORP NO. 1

LOCATION

COUNTRY..... UNITED STATES 37N 067E 03 SW OF SE
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE...
 MAP REFERENCE..... WELLS 1:250000, COBRE 1:24000

COORDINATES

LAT/LONG... 41-06.7 N 114-22.8 W
 UTM ZONE... 11
 NORTING... 4554250.
 719990.

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1968/00/00

TEMPERATURE (C)..... 76.7
 WELL DEPTH (M)..... 1611.
 OTHER SAMPLE INFORMATION.. BOTTOM-HOLE TEMPERATURE OF 76.7 C REPORTED AT 1402 M DURING DRILLING.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GANSIUE AND SCHILLING, 1979

RECORD 00212

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0000880

NAME OF SAMPLE SOURCE... RIZZI HOT SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 45N 054E 28 SW OF SE SW LAT/LONG... 41-46.55 N 115-55.24 W
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE.. 23
 MAP REFERENCE..... MOUNTAIN CITY 1:62500

OTHER LOCALITY INFORMATION: 5 MI. SE OF MT. CITY, NEV. ON NORTH SIDE OF ALLEGHENY CREEK.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1957/09/02 WHITE, DON E.

TEMPERATURE (C)..... 41.0

DISCHARGE..... 113.6 L/MIN

DEPOSITS OR ALTERATION... DEPOSITS MINOR TRAVERTINE AND BLADE SEDIMENTS.

PERTINENT LITHOLOGY..... FROM QAL IN A NORTH-TRENDING VALLEY IN PALEOZOIC SEDIMENTS.

OTHER SAMPLE INFORMATION.. NO FIELD SULFUR, SLIGHT H2S ODOR.

WATER ANALYSIS

DATE/ANALYST..... 1958/04/23 WHITEHEAD AND SCHUCK

P.H..... 7.2

SPECIFIC CONDUCTANCE..... 659.

TOTAL DISSOLVED SOLIDS... 414.

CHARGE IMBALANCE (& DIFF)... 8.5

ANALYSIS IN PPM

ANALYSIS IN PPM		ISOTOPES (0/100)	
AG.....	CO3..... N	LI... N	
AL.....	CR.....	MG... 6.8	
B..... 0.32	F..... 2.5	NA... 120.	SI02. 29.
BE.....	FE(TOT)...	NB... 504..	22.
CA..... 33.	HC03.... 383.	NU3... 2.2	
CL..... 5.0			
CO.....	K..... 7.9		

OTHER ANALYTICAL DATA... ANION TOTALS IN EPM 7.05

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... WHITE, D., USGS, MENLO PARK

RECORD 00213

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0074034

NAME OF SAMPLE SOURCE... RIZZI RANCH HOT SPRING

WIRING NUMBER..... 21

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 45N 054E 20 SW LAT/LONG... 41-46.3 N 115-55.4 W
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE.. 21
 UTM ZONE... 11
 NUTHING... 4624772.
 589488.

MAP REFERENCE..... WELLS 1:250000, MOUNTAIN CITY 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES
 SAMPLE DESCRIPTION AND CONDITIONS
 TEMPERATURE (C)..... 41.0
 DISCHARGE..... 75. L/MIN
 OTHER SAMPLE INFORMATION: FOUR SPRINGS - WATER USED FOR BATHING. TEMPERATURE RANGES FROM 40 - 41 C.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... WARING, 1965

RECORD 00214

GEOCHEM SAMPLE FILE

GEOCHEM FILE ID: 0074776

NAME OF SAMPLE SOURCE... ROCKY BUTTE AREA WELL
 LOCATION
 COUNTRY..... UNITED STATES 41N 067E 15 SE COORDINATES
 STATE..... NEVADA LAT/LONG... 41-25.43 N 114-21.35 W
 COUNTY..... ELKO
 GEOLOGIC PROVINCE... 23
 MAP REFERENCE..... NINEMILE MTN. NE 1:24000
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACURATE TO WITHIN 0.55 MILES.

SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1967/06/21
 TEMPERATURE (C)..... 21.7
 PERTINENT LITHOLOGY..... ALLOVIUM

WATER ANALYSIS

PH..... 8.0
 SPECIFIC CONDUCTANCE..... 373.

ANALYSIS IN PPM

AL.....	CR.....	MG...	8.3		
BA.....	FE+3....	NA+K..	41.		
BE.....	FE(TOT)..	NB...		504..	42.
CA.... 32.	MC03....				
CL.... 20.					

ISOLOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... RUSH, 1968C

RECORD 00215

GEOCHEM SAMPLE FILE

GEOCHEM FILE ID: 0001019

NAME OF SAMPLE SOURCE... ROWLAND HOT SPRINGS
 LOCATION
 COUNTRY..... UNITED STATES 46N 056E 14 NW OF SW NW COORDINATES
 STATE..... NEVADA LAT/LONG... 41-52.60 N 114-37.56 W
 COUNTY..... ELKO
 GEOLOGIC PROVINCE... 23
 MAP REFERENCE..... ROWLAND 1:62500
 OTHER LOCALITY INFORMATION: ON BRUNEAU RIVER 1.5 MILES EAST OF HOT SPRINGS BUTTE

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1957/09/03 WHITE, DON E. AND COATS, R.
 TEMPERATURE (C)..... 77.
 DISCHARGE..... 114. L/MIN

DEPOSITS OR ALTERATION.... REPORTED TO DEPOSIT NATIVE QUICKSILVER BUT NONE FOUND. NO SIGNIFICANT DEPOSITS

WATER ANALYSIS

DATE/ANALYST..... 1958/04/02 WHITEHEAD, M. C. AND SCHUCH, M. P.
 PH..... 7.6
 SPECIFIC CONDUCTANCE..... 626.
 ALKALINITY..... AS CaCO3
 TOTAL DISSOLVED SOLIDS... 442.
 ANALYSIS IN PPM

AG.....	CO3..... N	LI.... N		
AL.... N	CR.....	MG.... N		
AS.....	CS.....	MN.... N		
R..... 0.41	F..... 14.	NA.... 134.	SI02.. 96.	
BE.....	FE(TOT).. 0.04	NB....	SO4... 46.	
CA.... 8.4	HC03.... 260.	NO3... 0.1		
CL.... 11.				
CO.....	K..... 4.0			

ISOTOPES (0/00)

QUALIFICATION FIELD..... DISCHARGE IS TOTAL DISCHARGE OF ALL SPRINGS.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... WHITE, D., USGS, MENLO PARK

RECORD 00216

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SAN JACINTO RANCH (MINERAL) SPRING

GEOTHERM FILE 10: 0074275

LOCATION

COUNTRY..... UNITED STATES 46N 064E 23
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE..

COORDINATES

LAT/LONG... 41-51.6 N 114-41.4 W
 UTM ZONE... 11
 NORTHING... 4636599.
 691739.

MAP REFERENCE..... WELLS 1:250000, DELAPLAIN 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1941/06/28
 TEMPERATURE (C)..... 64.4

WATER ANALYSIS

ANALYSIS IN PPM

AG.....	CO3..... N		
AL....	CR.....	MG.... 15.	
B.....	F.....	NA.... 124.	
BE.....	FE(TOT)..	NB....	SO4... 42.
CA.... 69.	HC03.... 528.		
CL.... 19.			

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MILLER AND OTHERS, 1953

RECORD 00217

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SAN JACINTO RANCH (MINERAL) SPRING

GEOTHERM FILE 10: 0074274

LOCATION

COUNTRY..... UNITED STATES 46N 064E 23 NW OF NW
 STATE..... NEVADA

COORDINATES

LAT/LONG... 41-52.1 N 114-41.7 W
 UTM ZONE... 11

COUNTY..... ELKO
 GEOLOGIC PROVINCE..
 MAP REFERENCE..... DELAPLAIN 1:62500
 OTHER LOCALITY INFORMATION: WEST SIDE OF SALMON FALLS CREEK
 SAMPLE DESCRIPTION AND CONDITIONS
 TEMPERATURE (C)..... 52.2
 DISCHARGE..... 4542.5 L/MIN
 OTHER SAMPLE INFORMATION.. TEMPERATURE RANGES FROM 25.6 TO 52.2 C.

NORTHING... 4637328.
 691304.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 462.

ANALYSIS

AL....	CR.....	MG...	10.9		
H....	F.....	NA...	20.9		
HE....	FE(TOT)...	NH...		504...	57.2
CA.... 55.	MCU3.... 175.7				

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MILLER AND OTHERS, 1953

RECORD 00218

GEOTHERM SAMPLE FILE

GEOTHERM FILE 10: 007475

NAME OF SAMPLE SOURCE... SAN JACINTO RANCH SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 46N 064E 23 N 46 Nw.

LAT/LONG... 41-52.1 N 114-41.7 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... ELKO

NORTHING... 4637513.

GEOLOGIC PROVINCE.. 23

691297.

MAP REFERENCE..... DELAPLAIN 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1968/01/24

TEMPERATURE (C)..... 26.0

OTHER SAMPLE INFORMATION.. SEVERAL SPRINGS AND SHALLOW WELLS.

WATER ANALYSIS

PH..... 8.1

SPECIFIC CONDUCTANCE..... 245.

TOTAL DISSOLVED SOLIDS... 149.

CHARGE IMBALANCE (% DIFF)... 3.5

ANALYSIS IN PPM

ISOTOPES (0/00)

AG....	CU3.... N				
AL....	CR.....	MG...	8.6		
H.... N	F..... 0.5	NA...	13.	SI02.	10.
RE....	FE(TOT)...	NH...		SI04...	11.
CA.... 25.	MCU3.... 132.	NO3...	0.1		
CO....	H2S.....	PO4.. N			
CL.... 3.9					
CO....	K..... 3.9				

OTHER ANALYTICAL DATA... SAR = 0.6; RSC = 0.2

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MOORE AND EAKIN, 1968

RECORD 00219

GEOHERM SAMPLE FILE

GEOHERM FILE ID: 0074728

NAME OF SAMPLE SOURCE... SHOSHONE WARM SPRINGS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 47N 065E 11 NE OF SW SW

LAT/LONG... 41-58.3 N 114-34.7 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... ELKO

NORTHING... 4649254.

GEOLOGIC PROVINCE... 23

700658.

MAP REFERENCE..... DELAPLAIN 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1978/08/17

TEMPERATURE (C)..... 35.

OTHER SAMPLE INFORMATION.. POND IS ON FLOOD PLAIN OF SHOSHONE CREEK AND IS APPROXIMATELY 25 FT IN DIAMETER. WATER BUBBLES UP FROM SANDY POOLS IN CENTER OF POND. CHEMISTRY NOT IN REFERENCE (A MAP).

WATER ANALYSIS

PH..... 8.

SPECIFIC CONDUCTANCE..... 400.

CHARGE IMBALANCE (± DIFF)... 2.2

ANALYSIS IN PPM

ISOTOPES (U/100)

AL..... CR..... MG... 11.

H..... F..... NA... 19.

FE..... FE(TOT)... ND... 19.

CA..... 35. HCO3... 190.

CO..... 2. K..... 6.6

QUALIFICATION FIELD..... BICARBONATE TITRATED WITHIN 24 HOURS OF SAMPLING.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

COMPILER CROSS INDEX... NK-11-9-11

REFERENCE..... TREXLER AND OTHERS, 1979

RECORD 00220

GEOHERM SAMPLE FILE

GEOHERM FILE ID: 0074153

NAME OF SAMPLE SOURCE... SULFUR HOT SPRINGS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 31N 059E 11 NW

LAT/LONG... 40-51.1 N 115-45.2 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... ELKO

NORTHING... 4522827.

GEOLOGIC PROVINCE...

605085.

MAP REFERENCE..... ELKO 1:250000, LAMOILLE 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 96.0

OTHER SAMPLE INFORMATION.. 76 WATER SAMPLES FROM WITHIN 137 METERS OF MAIN POOL. SPECIFIC CONDUCTANCE AVERAGED.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 599.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... OLMSTEAD AND OTHERS, 1975

RECORD 00221

GEOTHERM FILE 101 0074375

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SULFUR HOT SPRINGS
 LOCATION
 COUNTRY..... UNITED STATES 31N 059E 11 NE OF NW
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE..
 MAP REFERENCE..... ELKO 1:250000, LAMOILLE 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES

COORDINATES
 LAT/LONG... 40-35.2 N 115-17.1 W
 UTM ZONE... 11
 NORTING... 4494077.
 645139.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 72.2
 OTHER SAMPLE INFORMATION.. WATER FLOWS FROM SEVERAL POOLS ON MOUND OF SPRING DEPOSITED MINERALS.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 660.
 TOTAL DISSOLVED SOLIDS... 400.
 ANALYSIS IN PPM

AL....	CR.....	MG....	5.8		
BA.... 0.04	F..... 8.0	NA....		SIO2.. 72.	
BE....	FE+3....	NA+K..	106.		
CA.... 18.	FE(TOT)..	NB....		S04.. 59.	
CL.... 12.	MCU3.... 242.	NO3..	0.5		

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... EAKIN AND MAXEY, 1951

RECORD 00222

GEOTHERM FILE 101 0000612

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SULPHUR HOT SPRINGS
 LOCATION
 COUNTRY..... UNITED STATES 31N 059E 11 NE OF NW
 STATE..... NEVADA
 COUNTY..... ELKO
 MAP REFERENCE..... LAMOILLE 1:62500

COORDINATES
 LAT/LONG... 40-35.22 N 115-17.12 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP
 SAMPLE NUMBER..... 8
 TEMPERATURE (C)..... 45.0
 DISCHARGE..... 500. L/MIN
 WATER TREATMENT..... PRESSURE - FILTERED THROUGH A .45 MICROMETER MEMBRANE, DILUTED
 DEPOSITS OR ALTERATION... SILICA APRON DEPOSITED

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM, LATE MESOZOIC GRANITES, AND PALEOZOIC TO PRECAMBRIAN METAMORPHIC ROCKS.

OTHER SAMPLE INFORMATION.. LARGE LAKE WITH A LARGE COOLING SURFACE.

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP
 P1..... 8.6
 SPECIFIC CONDUCTANCE..... 652.
 ALKALINITY..... 271. AS MCU3

ISOTOPES (0/00)

ANALYSIS IN MU/L
 AG.... CO3.... 12.0 LI... 0.51 S.... DEL D OF WATER..... -126.1

AL....	0.27	CR.....	MG...	0.02	SB...	DEL O(18) OF WATER...	-14.52
AS....		CS.....	MN...	0.02			
AU....		CU.....					
B....	0.23	F.....	NA...	150.	SI02.	230.	
BE....		FE(TOT)...	NB...		S04...	40.	
BI...		GA.....	NH4...		SR...	0.1	
CA....	1.0	HC03....					
CA+MG.		HG.....					
CO....		H2S.....	P04...	0.12			
CL....	4.						
CO....		K.....	RB...	0.13			

QUALIFICATION FIELD..... ENTERS INTO LAKE WITH LARGE COOLING SURFACE, MAY BE BOILING AT ORIFICE.
 REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... MARINER AND OTHERS, 1974B, MARINER AND OTHERS, 1975

RECORD 00223

GEOHEM SAMPLE FILE

GEOHEM FILE ID: 0000587

NAME OF SAMPLE SOURCE... SULPHUR HOT SPRINGS (HOT SULPHUR SPRINGS)

LOCATION

LOWSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 31N 059E 11 NE OF NW

LAT/LONG... 40-35.20 N 115-17.08 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... ELKO

NORTHING... 4494078.

GEOLOGIC PROVINCE..

645167.

MAP REFERENCE..... LAMOILLE 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP

SAMPLE NUMBER..... A

TEMPERATURE (C)..... 93.

DISCHARGE..... 75. L/MIN

WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETRE MEMBRANE FILTER, DILUTED

DEPOSITS OR ALTERATION... SILICA APRON DEPOSITED AT BOILING SPRING.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM, LT. MESOZOIC GRANITES, AND PALEOZOIC TO PRECAMBRIAN METAMORPHICS.

ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

P4..... 8.5

SPECIFIC CONDUCTANCE..... 601.

ALKALINITY..... 274. AS HC03

ANALYSIS IN MG/L

ISOTOPIES (U/00)

AG....		CO3....	15.	LI...	0.40	S....	
AL....	0.17	CR.....		MG...	0.03	SB...	
AS....		CS.....	0.1	MN...	0.02		
AU....		CU.....	0.01				
B....	0.2	F.....	17.7	NA...	135.	SI02.	210.
BE....		FE(TOT)...	0.02	NB...		S04...	40.
BI....		GA.....		NH4...	0.26	SR...	0.05
CA....	1.0	HC03....	224.				
CA+MG.		HG.....	0.0015				
CO....		H2S.....		P04...	0.02		
CL....	23.						
CO....		K.....	8.9	RB...	0.12		

DEL O OF WATER..... -130.1
 DEL O(18) OF WATER... -16.09

GAS ANALYSIS

DATE/ANALYST..... 1974/00/00 BARNES GROUP

ANALYSIS IN VOLUME %

ISOTOPIES (00/01)

CH6... 1.

C2H6.

CO2... L 1.

N2... 93.

O2... 6.

QUALIFICATION FIELD... 02 = 02 + AR.

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

COMPIER CROSS INDEX... NEH-949

REFERENCE... MARINER AND OTHERS, 1974; MARINER AND OTHERS, 1975

RECORD 00224

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... THOUSAND SPRINGS

GEOTERM FILE ID: 0074286

LOCATIONTOWNSHIP-RANGECOORDINATES

COUNTRY... UNITED STATES 40N 069E 04 NW OF NE

LAT/LONG... 41-53.00 N 114-09.8 W

STATE... NEVADA

UTM ZONE... 11

COUNTY... ELKO

NORTHING... 4584983.

GEOLOGIC PROVINCE... 23

737199.

MAP REFERENCE... MONTELO 1124000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES. LOCATION GIVEN AS NE/4 NW/4 NE/4.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)... 45.0

DEPOSITS OR ALTERATION... TRAVERTINE DEPOSIT.

REFERENCE AND IDENTIFICATION

COMPILED BY... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... MOSE AND TAYLOR, 1974

RECORD 00225

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... THOUSAND SPRINGS (GAMBLE RANCH SPRING)

GEOTERM FILE ID: 0074777

LOCATIONTOWNSHIP-RANGECOORDINATES

COUNTRY... UNITED STATES 40N 069E 08 SE OF NW NW

LAT/LONG... 41-22.19 N 114-11.50 W

STATE... NEVADA

UTM ZONE... 11

COUNTY... ELKO

NORTHING... 4583421.

GEOLOGIC PROVINCE... 23

734738.

MAP REFERENCE... WELLS AMS, MONTELO 1124000

OTHER LOCALITY INFORMATION: ELEVATION 4965 FT.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1965/09/25

TEMPERATURE (C)... 23.6

DISCHARGE... 5110. L/MIN

PERTINENT LITHOLOGY... ALLUVIUM ABOUT 4 MILES EAST.

WATER ANALYSIS

ANALYSIS IN EPM

BA....

FE+3....

NA+K... 0.48

CA+MG... 3.8

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... CL + SO4 = 1.6 EPM.

REFERENCE AND IDENTIFICATION

COMPILED BY... KUENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... MIFFLIN, 1968

RECORD 00226

GEOTHERM FILE ID: 0074773

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... TROUT CREEK RANCH WELL

LOCATION

COUNTRY... UNITED STATES

TOWNSHIP-RANGE

46N 069E 02 SW OF SE

COORDINATES

LAT/LONG... 41-54.16 N 114-05.97 W

STATE... NEVADA

COUNTY... ELKO

GEOLOGIC PROVINCE... 23

MAP REFERENCE... GOOSE CREEK 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1956/09/03

TEMPERATURE (C)... 21.

WELL DEPTH (M)... 75.

OTHER SAMPLE INFORMATION... FLOWING.

WATER ANALYSIS

PH... 7.9

SPECIFIC CONDUCTANCE... 201.

TOTAL DISSOLVED SOLIDS... 166.

ANALYSIS IN PPM

AGT... CO3... N

AL... CH...

FE... 0.4

BE... FE(TOT)... 0.06

CA... 300 MC03... 142.

CD... H2S...

CL... 3.0

CO... K... 5.4

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... MOORE AND EAKIN, 1968

ISOTOPES (0/00)

MG...	d.		
NA...	8.5	SI02.	27.
NB...		SO4...	13.
NO3...	N		
PO4...	N		

RECORD 00227

GEOTHERM FILE ID: 0074154

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... TROUT CREEK RANCH WELL, GOOSE CREEK AREA

LOCATION

COUNTRY... UNITED STATES

TOWNSHIP-RANGE

46N 069E 15 NW OF NE

COORDINATES

LAT/LONG... 41-52.94 N 114-07.13 W

STATE... NEVADA

COUNTY... ELKO

GEOLOGIC PROVINCE... 23

MAP REFERENCE... GOOSE CREEK 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1956/09/03

TEMPERATURE (C)... 43.3

WELL DEPTH (M)... 75.

OTHER SAMPLE INFORMATION... WELL IS FLOWING.

WATER ANALYSIS

PH... 8.3

SPECIFIC CONDUCTANCE... 242.

TOTAL DISSOLVED SOLIDS... 157.

CHARGE IMBALANCE (% DIFF)... 2.4

UTM ZONE...	11
NORTHING...	4640621.
738760.	

ANALYSIS IN PPM

AG....	CO3.....	1.	MG....	5.7		
AL....	CH.....		NA....	24.	SIJ2.	21.
H.....	F.....	0.0	NB....		SJ4..	22.
HE....	FE(TOT)...	0.18	NO3....	N		
CA....	HC03.....	118.	PO4....	N		
CO....	H2S.....					
CL....						
CO....	K.....	5.0				

ISOTOPES (U/000)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MOORE AND EAKIN, 1968

RECORD 00228

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING

GEOTHERM FILE ID: 0074321

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE 39N 05E 18
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE.. 23
 MAP REFERENCE..... MT. BLITZEN 1162500

COORDINATES

LAT/LONG... 41-16.00 N 115-15.00 W

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 47.2
 DEPOSITS OR ALTERATION... TRAVERTINE DEPOSIT.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MOSE AND TAYLOR, 1974

RECORD 00229

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING

GEOTHERM FILE ID: 0074772

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE 47N 06E 09 SE OF NW
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE.. 23
 MAP REFERENCE..... GOLLAMER MTN. 1162500

COORDINATES

LAT/LONG... 41-58.80 N 114-22.62 W

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1973/00/00
 TEMPERATURE (C)..... 39.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MOSE AND TAYLOR, 1974

RECORD 00230

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING

GEOTHERM FILE ID: 0074325

WATER NUMBER..... 22A
 LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE
 STATE..... NEVADA 45N 064E 16
 COUNTY..... ELKO
 GEOLOGIC PROVINCE... 23
 MAP REFERENCE..... DELAPLAIN 1:62500
 OTHER LOCALITY INFORMATION: 1.5 MILES NORTH OF CONTACT, NEV.

COORDINATES
 LAT/LONG... 41-47.29 N 114-43.70 W

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 56.1
 DISCHARGE..... 18.9 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... WARING, 1965

RECORD 00231

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING (SSE PATSVILLE)

GEOTHERM FILE ID: 0000826

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE
 STATE..... NEVADA 45N 054E 28 SW OF SE SW

COORDINATES
 LAT/LONG... 41-46.55 N 115-55.24 W

COUNTY..... ELKO

GEOLOGIC PROVINCE... 23

MAP REFERENCE..... MOUNTAIN CITY 1:62500

OTHER LOCALITY INFORMATION: UNSURVEYED

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MOSE, R. K.

TEMPERATURE (C)..... 41.0

WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETRE MEMBRANE FILTER; DILUTED

PERTINENT LITHOLOGY..... TERTIARY VOLCANICS AND PALEOZOIC LIMESTONE

OTHER SAMPLE INFORMATION.. SEE R1721 HOT SPRING #0000880

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

P4..... 7.4

SPECIFIC CONDUCTANCE..... 624.

ALKALINITY..... AS HCO3

ANALYSIS IN MG/L

AG....	CO3....	LI....	0.4	S....	
AL....	CA....	MG....	7.7	SH....	
B.... 0.22	F.... 3.4	NA....	110.	SI02..	23.
BE....	FE(TOT)...	NB....		SO4....	36.
CA.... 29.	HCO3.... 380.				
CL.... 4.4					
CO....	K.... 8.3				

ISOTOPIES (0/00)

DEL D OF WATER..... -140.8
 DEL O(18) OF WATER... -18.21

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... MARINER AND OTHERS, 1974B1 MARINER AND OTHERS, 1975

RECORD 00232

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING (WILD HORSE RESERVOIR)

GEOTHERM FILE ID: 0000825

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 43N 055E 04 SE OF SE
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE... 23
 MAP REFERENCE..... WILD HORSE 1162500
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1972/00/00 MUSE, R. K.
 TEMPERATURE (C)..... 54.0
 WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETER MEMBRANE FILTER, DILUTED
 PERTINENT LITHOLOGY..... TERTIARY VOLCANICS, AND LACUSTRINE ROCKS
 BATCH ANALYSIS
 DATE/ANALYST..... 1972/00/00 BARNES GROUP
 P1..... 7.2
 SPECIFIC CONDUCTANCE..... 818.
 ALKALINITY..... 482. AS HCO3
 CHARGE IMBALANCE (% DIFF).... 2.8
 ANALYSIS IN MG/L
 AG..... CO3..... LI... 0.5 S....
 AL..... CR..... MG... 12. SB...
 H..... 0.07 F..... 5.2 NA... 130. SI02. 40.
 BE..... FE(TOT)..... ND... S04... 40.
 CA..... 0 48. HCO3.... 482.
 CL..... 0 14.
 CO..... K..... 22.
 QUALIFICATION FIELD..... HIGH CALCIUM AND BICARBONATE, LOW CHLORIDE.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... MARINER AND OTHERS, 1974; MARINER AND OTHERS, 1975

RECORD 00233

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0000827

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING NEAR RUBY MARSH

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 27N 058E NW

LAT/LONG... 40-15.0 N 115-24.06 W

STATE..... NEVADA

COUNTY..... ELKO

GEOLOGIC PROVINCE... 23

MAP REFERENCE..... RUBY LAKE NW 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MUSE, R. K.

TEMPERATURE (C)..... 65.0

WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETER MEMBRANE FILTER, DILUTED.

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM AND PALEOZOIC(?) MARINE SEUS.

BATCH ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

P1..... 8.0

SPECIFIC CONDUCTANCE..... 600.

ANALYSIS IN MG/L

AG.....	CO3.....	LI...	0.5	S....	
AL.....	CR.....	MG...	12.	SB...	
H.....	F.....	NA...	58.	SI02.	50.
BE.....	FE(TOT).....	ND...		S04...	24.
CA..... 45.	HCO3.... 377.				
CL... 6.5					

ISOTOPES (0/00)

DEL D OF WATER..... -132.8
 DEL D(18) OF WATER... -16.24

14.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... MARINER AND OTHERS, 1974b; MARINER AND OTHERS, 1975

RECORD 00234

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0000585

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING NEAR WELLS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 38N 062E 17 SE OF NW NE
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE..

LAT/LONG... 41-10.91 N 114-59.31 W
 UTM ZONE... 11
 NORTHING... 4560679.
 668634.

MAP REFERENCE..... OXLEY PEAK 1:24000

OTHER LOCALITY INFORMATION: 5.5 MILES NORTH OF WELLS, NEV.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MOSE, R. K.

SAMPLE NUMBER..... #7 IN REFERENCE

TEMPERATURE (C)..... 41.0

WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETRE MEMBRANE FILTER, DILUTED

PERMANENT LITHOLOGY..... TERTIARY LACUSTRINE ROCKS

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

PH..... 7.3

SPECIFIC CONDUCTANCE..... 1650.

ALKALINITY..... AS HCO3

ANALYSIS IN MG/L

ISOTOPES (0/00)

AG....	CO3....	LI....	0.8			
AL....	CH....	MG....	37.			
R....	F....	NA....	300.	S102.	145.	
HE....	FE(TOT)...	NO....		S04..	32.	
CA.... 75.	HCO3....		1135.			
CL.... 27.						
CO....	K....		31.			

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... MARINER AND OTHERS, 1974b

RECORD 00235

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0000614

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING NEAR WELLS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 38N 062E 20 NE OF SE
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE..

LAT/LONG... 41-09.7 N 114-59.1 W
 UTM ZONE... 11
 NORTHING... 4558449.
 669059.

MAP REFERENCE..... OXLEY PEAK 1:24000

OTHER LOCALITY INFORMATION: MAY BE THREE-MILE SPRING

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MOSE, R. K.

TEMPERATURE (C)..... 50.0

WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETRE MEMBRANE FILTER, DILUTED

PERTINENT LITHOLOGY..... TERTIARY LACUSTRINE ROCKS

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

P..... 7.3

SPECIFIC CONDUCTANCE..... 753.

ALKALINITY..... AS HCO₃

CHARGE IMBALANCE (% DIFF).... 0.5

ANALYSIS IN MG/L

AG....		CO ₃		LI....	0.8		
AL....		CH....		MG....	0.3		
B....	1.2	F....	10.	NA....	160.	SI02.	105.
RE....		FE(TOT)...		NO....		SO4..	61.
CA....	12.	HCO ₃	345.				
CL....	22.						
CO....		K.....	16.				

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... MIXED WATER: LOW CALCIUM AND CHLORIDE, HIGH SILICA.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... MARINER AND OTHERS, 1974B

RECUMD 00236

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074172

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING NEAR WELLS

LOCATION

TOWNSHIP-KAYUE

COUNTRY..... UNITED STATES 38N 062E 20 E 1/2

STATE..... NEVADA

COUNTY..... ELKO

GEOLOGIC PROVINCE.. 23

M-D REFERENCE..... WELLS 1:250000, OXLEY PEAK 1:24000

OTHER LOCALITY INFORMATION: LOCATION VAGUE

COORDINATES

LAT/LONG... 41-09.9 N 114-59.2 W

UTM ZONE... 11

NORTHING... 4558816.

608911.

SAMPLE DESCRIPTION AND CONDITIONS

SAMPLE NUMBER..... 08

TEMPERATURE (C)..... 36.1

WATER ANALYSIS

P..... 6.3

SPECIFIC CONDUCTANCE..... 1740.

ANALYSIS IN MG/L

AG....		CO ₃		LI....	0.65	S....	
AL....	0.404	CH....		MG....	13.	SB....	
AS....		CS.....	L 0.1	MN....	0.12		
AU....		CU.....	L 0.01				
B....	0.8	F....	7.0	NA....	340.	SI02.	76.
RE....		FE(TOT)...	0.04	NO....		SO4..	29.
CA....	51.	HCO ₃	1150.				
CA+MG.		MG.....	0.0002				
CL....	34.						
CO....		K.....	36.	RB....	0.03		

ISOTOPES (0/00)

DELT D OF WATER..... -138.3

DELT O(18) OF WATER... -16.99

GAS ANALYSIS

ANALYSIS IN VOLUME PERCENT

CH₄.. 1.C₂H₆.CO₂.. 62.N₂... 34.

ISOTOPES (00/01)

OTHER ANALYTICAL DATA... O₂ PLUS AR = 6%

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MARINER AND OTHERS, 1975

RECORD 00237

GEOHERM SAMPLE FILE

GEOHERM FILE ID: 0020013

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING NEAR WELLS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 38N 062E 20 E 1/2

LAT/LONG... 41-59.5 N 114-11.2 W

STATE..... NEVADA

COUNTY..... ELKO

MAP REFERENCE..... VALLEY PEAK 1:24000

OTHER LOCALITY INFORMATION: LOCATION VAGUE

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1974/00/00

SAMPLE NUMBER..... 68

TEMPERATURE (C)..... 36.

PERTINENT LITHOLOGY..... TERTIARY LACUSTRINE ROCKS

WATER ANALYSIS

PH..... 6.3

SPECIFIC CONDUCTANCE..... 1740.

ANALYSIS

ISOTOPIES (U/001)

AG..... CO3..... LI... 0.65

AS..... CS..... MN... 13.

H..... 0.0 F..... 7.0 NA... 340. S102. 76.

BE..... FE(TOT). NB... 504... 29.

CA..... MC03..... 1150.

CL..... 34.

CU..... K..... 36.

GAS ANALYSIS

DATE/ANALYST..... 1974/00/00

ANALYSIS IN VOLUME %

ISOTOPIES (00/U)

CH4... 1.

C2H6... 62.

CO2... 62.

QUALIFICATION FIELD..... 02=02+AK.

REFERENCE AND IDENTIFICATION

COMPILED BY..... LARSON, WILLIAM A.

COMPILED AFFILIATION... U.S. GEOLOGICAL SURVEY

COMPILED CROSS INDEX... NEH-452

REFERENCE..... MARINER AND OTHERS, 1975

RECORD 00238

GEOHERM SAMPLE FILE

GEOHERM FILE ID: 0000013

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING NEAR WELLS (C)

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 38N 062E 20 SE 1/4 SE

LAT/LONG... 41-09.5 N 114-59.1 W

STATE..... NEVADA

COUNTY..... ELKO

GEOLOGIC PROVINCE..

MAP REFERENCE..... VALLEY PEAK 1:24000

UTM ZONE... 11

NORTHING... 4558079.

669060.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 BARNES GROUP

SAMPLE NUMBER..... C

TEMPERATURE (C)..... 60.
 WATER TREATMENT..... PRESSURE - FILTERED THROUGH A .45 MICROMETRE MEMBRANE, PORTION ACIDIFIED, DILUTED
 PERTINENT LITHOLOGY..... TERTIARY LACUSTRINE ROCKS

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP
 P-..... 6.58
 SPECIFIC CONDUCTANCE..... 1730.
 ALKALINITY..... 1210.

ANALYSIS IN MG/L

AG.....	CO3.....	LI...	0.75	S....	
AL..... 0.001	CR.....	MG...	36.		
AS.....	CS..... L 0.1	MN...	L 0.02		
AU.....	CU..... L 0.01				
B..... 0.77	F..... 6.1	NA...	300.	SI02.	110.
BE.....	FE(TOT) 0.02	VB...		SO4..	34.
CA..... 70.					
CA+MG.	MG..... L 0.0001				
CL..... 20.					
CO.....	K..... 30.	Rb...	0.25		

ISOTOPES (0/00)

DEL D OF WATER..... -134.7

GAS ANALYSIS

DATE/ANALYST..... 1974/00/00 BARNES GROUP

ANALYSIS IN VOLUME %

CH4.. 2.			
C2H6.		N2...	3.
CO2.. 96.		O2...	0.1.

ISOTOPES (00/01)

QUALIFICATION FIELD..... 02 = 02 + AR.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 COMPILER CROSS INDEX... NEM-484
 REFERENCE..... MARINER AND OTHERS, 1975

RECORD 00239

GEOHEM SAMPLE FILE

GEOHEM FILE ID: 0000824

NAME OF SAMPLE SOURCE... (UNNAMED HOT SPRING NEAR WELLS (7B))
 LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 38N 062E 17 NW 1/4 NE

LAT/LONG... 41-10.96 N 114-59.37 W

STATE..... NEVADA

COUNTY..... ELKO

MAP REFERENCE..... VALLEY PEAK 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 BARNES GROUP

SAMPLE NUMBER..... 7B

TEMPERATURE (C)..... 55.

WATER TREATMENT..... PRESSURE-FILTERED THROUGH A .45 MICROMETRE MEMBRANE, PORTION ACIDIFIED, DILUTED

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP
 P-..... 6.6
 SPECIFIC CONDUCTANCE..... 1820.
 ALKALINITY..... 1230. AS HCO3

ANALYSIS IN MG/L

AG.....	CO3.....	LI...	0.72	S....	
AL..... 0.002	CR.....	MG...	13.	SB...	
AS.....	CS..... L 0.1	MN...	0.09		
AU.....	CU..... L 0.01				

ISOTOPES (0/00)

DEL D OF WATER..... -136.6

DEL D(18) OF WATER... -16.95

H.....	0.73	F.....	7.4	NA...	370.	SI02.	80.
RE.....		FE(TOT).	L 0.02	ND...		S04..	16.
CA.....	40.	MG.....	L 0.0001				
CA+MG.							
CL.....	37.						
CO.....		K.....	46.	RB...	0.32		

GAS ANALYSIS

DATE/ANALYST..... 1974/00/00 BARNES GROUP

ANALYSIS IN VOLUME %

CH4.. L 1.

C2H6.

CO2.. 93.

N2... 4.

O2... 2.

QUALIFICATION FIELD..... 02 = 02 + AR.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

COMPILER CROSS INDEX... VEH-948

REFERENCE..... MARINER AND OTHERS, 1975

ISOTOPES (00/00)

RECORD 00240

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNKNOWN SPRING

WELLING NUMBER..... 31

LOCATION

COUNTRY..... UNITED STATES

TOWNSHIP-RANGE

33N 05E 08 NW

COORDINATES

LAT/LONG... 40-45.85 N 116-02.45 W

STATE..... NEVADA

COUNTY..... ELKO

GEOLOGIC PROVINCE.. 23

MAP REFERENCE..... HUNSMAN RANCH 1:24000

OTHER LOCALITY INFORMATION: 9 MILES NW OF CARLIN

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1973/08/20

TEMPERATURE (C)..... 34.

OTHER SAMPLE INFORMATION.. SEE RECORD 0074323. HOT SULFUR SPRINGS CHEMISTRY NOT IN REFERENCE.

WATER ANALYSIS

PH..... 6.9

SPECIFIC CONDUCTANCE..... 1130.

C-ANION IMBALANCE (3 DIFF).... 1.1

ANALYSIS IN PPM

AL.....

CR.....

MG...

5.9

H.....

F.....

NA...

231.

SI02.

52.

HE.....

FE(TOT).

ND...

S04..

25.

CA.....

15.

HCO3....

690.

CL.....

10.

CO.....

K.....

27.

ISOTOPES (0/00)

QUALIFICATION FIELD..... DICARBONATE TITRATED WITHIN 24 HOURS OF SAMPLING. OTHER SPRING TEMPERATURES 15-20 C.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

COMPILER CROSS INDEX... NK-11-11-25

REFERENCE..... TREXLER AND OTHERS, 1979

RECORD 00241

GEOTHERM SAMPLE FILE

GEOTHERM FILE 10: 0074729

NAME OF SAMPLE SOURCE... UNNAMED SPRING

LOCATION

COUNTRY..... UNITED STATES

TOWNSHIP-RANGE

38N 059E 14

SE 1/4 SW SE

COORDINATES

LAT/LONG... 41-10.8 N 115-16.9 W

UTM ZONE... 11

NORTHING... 4559950.
644127.

STATE..... NEVADA

COUNTY..... ELKO

GEOLOGIC PROVINCE.. 23

MAP REFERENCE..... TWIN BUTTES 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1978/08/18

TEMPERATURE (C)..... 35.

OTHER SAMPLE INFORMATION.. SPRING IS A 6 FT SQUARE MAN-MADE CATTLE WATER TANK.

WATER ANALYSIS

PH..... 8.0

SPECIFIC CONDUCTANCE..... 1990.

CHARGE IMBALANCE (% DIFF)... 0.8

ANALYSIS IN PPM

AL.....

CR.....

MG... 0.45

ISOTOPIES (0/00)

B.....

F..... 21.

NA...

450.

SI02..

151.

RE.....

FE(TOT).

NB...

504..

2.

CA..... 3.1

MCO3.... 0 1149.

CL..... 31.

CO.....

K..... 36.

QUALIFICATION FIELD.... BICARBONATE TITRATED WITHIN 24 HOURS OF SAMPLING.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

COMPILER CROSS INDEX... NK-11-9-10

REFERENCE..... TREXLER AND OTHERS, 1979

RECORD 00242

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0074781

NAME OF SAMPLE SOURCE... UNNAMED SPRING

LOCATION

COUNTRY..... UNITED STATES

TOWNSHIP-RANGE

35N 064E 04

NW 1/4 NE NW

COORDINATES

LAT/LONG... 40-57.10 N 114-45.00 W

STATE..... NEVADA

COUNTY..... ELKO

GEOLOGIC PROVINCE.. 23

MAP REFERENCE..... SNOW WATER LAKE NE 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1960/06/00

TEMPERATURE (C)..... 30.

DISCHARGE..... 189. L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... HILSON, 1960

RECORD 00243

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0074780

NAME OF SAMPLE SOURCE... UNNAMED SPRING NEAR WARM SPRINGS RANCH

LOCATION

COUNTRY..... UNITED STATES

TOWNSHIP-RANGE

35N 064E 04

NW 1/4 NE NW

COORDINATES

LAT/LONG... 40-57.1 N 114-45.0 W

STATE..... NEVADA

COUNTY..... ELKO
 GEOLOGIC PROVINCE.. 23
 MAP REFERENCE..... SNOW WATER LAKE NE 1124000
 OTHER LOCALITY INFORMATION: RALPH'S WARM SPRINGS AREA
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1960/03/00
 TEMPERATURE (C)..... 26.7
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MILSON, 1960

RECORD 00244

GEOTERM SAMPLE FILE

GEOTERM FILE 101 0074774

NAME OF SAMPLE SOURCE... UNNAMED SPRING NEAR WARM SPRINGS RANCH

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 36N 064E 33

LAT/LONG... 40-57.55 N 114-44.00 W

STATE..... NEVADA

COUNTY..... ELKO

MAP REFERENCE..... INDEPENDENCE VALLEY NW 1124000

OTHER LOCALITY INFORMATION: RALPH'S WARM SPRINGS AREA

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1965/09/26

TEMPERATURE (C)..... 21.1

DISCHARGE..... 4516 L/MIN

PERTINENT LITHOLOGY..... ALLOUVIUM ABOUT 1.5 MILES EAST OF PALEOZOIC CARBONATE ROCKS

OTHER SAMPLE INFORMATION.. SEVERAL POOL SPRINGS.

WATER ANALYSIS

ANALYSIS IN EPM

ISOTOPES (U/000)

HA.....

FE+3....

NA+K..

0.69

CA+MG.. 3.1

CONCENTRATION ANALYSIS

DATE/ANALYST.....

HAZELTON - NUCLEAR SCIENCE CORP., PALO ALTO, CA.

OTHER ANALYTICAL DATA... CL + SO₄ = 0.68 EPM

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... MIFFLIN, 1968

RECORD 00245

GEOTERM SAMPLE FILE

GEOTERM FILE 101 0000633

NAME OF SAMPLE SOURCE... UNNAMED SPRINGS NEAR CARLIN

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 33N 052E 33 SE OF SW

LAT/LONG... 40-41.83 N 116-06. W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... ELKO

NORTHING... 4505550.

GEOLOGIC PROVINCE.. 23

573277.

MAP REFERENCE..... MINNEAUCCA 11250000, CARLIN 1162500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 ROSE, R. K.

TEMPERATURE (C)..... 79.0

WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETRE MEMBRANE FILTER, DILUTED

PERTINENT LITHOLOGY..... QUATERNARY ALLOUVIUM AND TERTIARY VOLCANICS

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP
 P..... 7.6
 SPECIFIC CONDUCTANCE..... 625.
 ALKALINITY..... AS HCO3
 ANALYSIS IN MG/L

AG.....	CO3.....	LI.....	S.....
AL.....	CR.....	MG..... 15.	SB.....
R.....	F.....	NA..... 45.	SI02..... 70.
BE.....	FE(TOT).....	NB.....	SO4..... 52.
CA..... 6.0	HCO3..... 335.		
CL..... 12.			
CO.....	K..... 16.		

ISOTOPES (0/00)

DEL D OF WATER..... -132.7
 DEL O(18) OF WATER..... -16.54

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... MARINER AND OTHERS, 1974B; MARINER AND OTHERS, 1975

RECORD 00246

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0074730

NAME OF SAMPLE SOURCE... UNNAMED WELL

LOCATION

ID=SHIP=RAYGE

COORDINATES

COUNTRY..... UNITED STATES 38N 059E 11 SA OF NE SW
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE.. 23
 MAP REFERENCE..... TWIN BUTTES 1124000

LAT/LONG... 41-11.7 N 115-17.1 W
 UTM ZONE... 11
 NORTING... 4561610.
 643815.

OTHER LOCALITY INFORMATION: NEAR HOT SPRING (ON MAY BE TAPPED HOT SPRING)

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1978/08/18
 TEMPERATURE (C)..... 30.

OTHER SAMPLE INFORMATION.. ARTESIAN FLOW OF WATER THROUGH A SMALL PIPE.

WATER ANALYSIS

P..... 7.1
 SPECIFIC CONDUCTANCE..... 1600.
 C-ARGE IMBALANCE (* DIFF)... 2.1
 ANALYSIS IN PPM

ISOTOPES (0/00)

AL.....	CR.....	MG..... 0.8	SI02..... 132.
H.....	F.....	NA..... 350.	SO4..... 2.
HE.....	FE(TOT).....		
CA..... 6.5	HCO3..... 959.		
CL..... 25.			
CO.....	K..... 33.		

QUALIFICATION FIELD..... BICARBONATE TITRATED WITHIN 24 HOURS OF SAMPLING.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 COMPILER CROSS INDEX... 4K-11-9-9
 REFERENCE..... TREXLER AND OTHERS, 1979

RECORD 00247

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0074148

NAME OF SAMPLE SOURCE... W.D. RANCHING CO. FLOWING WELL

LOCATION

ID=SHIP=RAYGE

COORDINATES

COUNTRY..... UNITED STATES 47N 065E 18 NW OF SW

LAT/LONG... 41-57.92 N 114-38.51 W

STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE... 23
 MAP REFERENCE..... DELAPLAIN 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1968/01/24
 TEMPERATURE (C)..... 37.8
 WELL DEPTH (M)..... 188.4

OTHER SAMPLE INFORMATION.. FLOWING WELL DRILLED IN 1967. SALINITY HAZARD MED., SODIUM HAZARD LOW FOR IRRIGATION.

WATER ANALYSIS

PH..... 7.9
 SPECIFIC CONDUCTANCE..... 332.
 TOTAL DISSOLVED SOLIDS... 205.
 CHARGE IMBALANCE (% DIFF)... 0.3

ANALYSIS IN MG/L

AG....	CO3..... 4	MG....	8.6
AL....	CR.....	NA....	17.
BA....	F..... 0.7	NO3...	0.8
BE....	FE(TOT)...	PO4...	0.01
CA.... 37.	HCO3..... 184.		
CL....	M2S.....		
CO....	K..... 8.4		

ISOTOPES (0/00)

SI02.. 20.
 SO4.. 20.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MOORE AND EAKIN, 1968

RECORD 00248

GEOOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... WARM SPRING NEAR DEER CREEK RESERVOIR

GEOOTHERM FILE ID: 0074732

LOCATION

COUNTRY..... UNITED STATES 43N 05E 19 SW OF NW NW

STATE..... NEVADA

COUNTY..... ELKO

GEOLOGIC PROVINCE... 23

MAP REFERENCE..... WILSON RESERVOIR 1:62500

OTHER LOCALITY INFORMATION: ABOUT 1.5 MILES NNW OF RESERVOIR SPILLWAY.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1978/08/20
 TEMPERATURE (C)..... 51.

OTHER SAMPLE INFORMATION.. CHEMISTRY NOT IN REFERENCE (A MAP).

WATER ANALYSIS

PH..... 7.
 SPECIFIC CONDUCTANCE..... 875.
 CHARGE IMBALANCE (% DIFF)... 2.3

ANALYSIS IN PPM

AL....	CR.....	MG....	5.8
BA....	F.....	NA....	146.
BE....	FE(TOT)...	NO3...	37.
CA.... 39.	HCO3..... 476.		
CL.... 17.			
CO....	K..... 19.		

ISOTOPES (0/00)

SI02.. 41.
 SO4.. 37.

QUALIFICATION FIELD..... BICARBONATE TITRATED WITHIN 24 HOURS OF SAMPLING.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 COMPILER CROSS INDEX... NK-11-8-4
 REFERENCE..... TREXLER AND OTHERS, 1979

RECORD 00249

GEOTHERM SAMPLE FILE

GEOTHERM FILE NO: 0000932

NAME OF SAMPLE SOURCE... WILD HORSE HOT SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 43N 055E 04 SE OF SE
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE..
 MAP REFERENCE..... WILD HORSE 1:62500

LAT/LONG... 41-33.7 N 115-46.5 W
 UTM ZONE... 11
 NORTHING... 4601622.
 602149.

OTHER LOCALITY INFORMATION: WILDHORSE, NEVADA

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1958/06/12 COATS, R. R.
 TEMPERATURE (C)..... 57.8
 DISCHARGE..... 1.9 L/MIN

WATER ANALYSIS

DATE/ANALYST..... 1959/01/23 WHITEHEAD, H. C.
 pH..... 7.7
 SPECIFIC CONDUCTANCE..... 802.
 ALKALINITY..... AS CaCO3
 TOTAL DISSOLVED SOLIDS... 477.

ANALYSIS IN PPM

ISOTOPIES (0/000)

AG....	CO3....	LI....	0.6
AL.... 0.3	CR....	MG....	9.7
AS.... N	CS....	MN.... N	
B.... 0.05	F.... 5.2	NA....	121.
CA....	FE(TOT) N	NB....	504.. 40.
CI....	GA....	NH4....	1.2
CK.... N			
CO.... 32.	HCO3.... 428.	NO3..	0.9
CU....	H2S....	PO4..	0.06
CL.... 14.	I.... 0.1		
CO....	K.... 20.		

OTHER ANALYTICAL DATA... NO2 0.2 PPM.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... WHITE, D., USGS, MENLO PARK

RECORD 00250

GEOTHERM SAMPLE FILE

GEOTHERM FILE NO: 0074146

NAME OF SAMPLE SOURCE... WINE CUP RANCH WELL

WELL/SPRING NUMBER..... 41764-2501

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 41N 064E 25 NW OF SE
 STATE..... NEVADA
 COUNTY..... ELKO
 GEOLOGIC PROVINCE... 23
 MAP REFERENCE..... WELLS 1:250000 WINE CUP RANCH 1:24000

LAT/LONG... 41-24.55 N 114-40.45 W
 UTM ZONE... 11
 NORTHING... 4586578.
 694404.

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES
 SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1967/06/21

TEMPERATURE (C)..... 58.9

WELL DEPTH (M)..... 20.7

PERTINENT LITHOLOGY..... CARBONATE ROCKS

OTHER SAMPLE INFORMATION.. WATER LEVEL AT 9.1 METERS.

WATER ANALYSIS

PH..... 8.4

SPECIFIC CONDUCTANCE..... 850.

ANALYSIS IN PPM

AG..... CO3..... 18.

AL..... CR.....

BA..... FE+3.....

BE..... FE(TOT).....

CA..... 49. MC03..... 426.

CL..... 30.

ISOTOPES (0/00)

MG... 17.

NA+K... 139.

NB...

S04... 69.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... RUSH, 1968A

RECORD 00251

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 007427

NAME OF SAMPLE SOURCE... ALKALI HOT SPRINGS

WELLING NUMBER..... 112

LOCATION

COUNTRY..... UNITED STATES

TOWNSHIP-RANGE

15 04E 26

SW OF SE NE

COORDINATES

LAT/LONG... 37-49.48 N 117-20.2 W

STATE..... NEVADA

COUNTY..... ESMERALDA

MAP REFERENCE..... ALKALI 1:24000

OTHER LOCALITY INFORMATION: 11 MILES NW OF GOLDFIELD, NEV.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 58.9

OTHER SAMPLE INFORMATION.. TEMPERATURE RANGES FROM 48.9 TO 60 C.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WARING, 1965

RECORD 00252

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0000931

NAME OF SAMPLE SOURCE... ALKALI HOT SPRINGS

LOCATION

COUNTRY..... UNITED STATES

TOWNSHIP-RANGE

15 04E 26

NE

COORDINATES

LAT/LONG... 37-49.48 N 117-20.2 W

STATE..... NEVADA

COUNTY..... ESMERALDA

GEOLOGIC PROVINCE.. 24

MAP REFERENCE..... ALKALI 1:24000

OTHER LOCALITY INFORMATION: 11 MILES NW OF GOLDFIELD

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 60.0

DISCHARGE..... 223. L/MIN

DEPOSITS OR ALTERATION... TUFA DEPOSIT.

PERTINENT LITHOLOGY..... RHYOLITE, TRAVERTINE

OTHER SAMPLE INFORMATION... SEVERAL SPRINGS 49-60 DEG. C. • H2S ODOR; CLEAR; CONSTANT FLOW.

WATER ANALYSIS

DATE/ANALYST..... HANKS, A. A.

TOTAL DISSOLVED SOLIDS... 1082.

ANALYSIS IN PPM

AG... CO3... 70.

B... F... NA... 262.

BE... FE(TOT)... 5.4

BI... CA... 46.

CA... HCO3... 142.

CL... 64.

ISOTOPES (0/00)

SI02... 42.

S04... 501.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... RALL, 1907

RECORD 00253

GEOCHEMICAL SAMPLE FILE

NAME OF SAMPLE SOURCE... ALKALI HOT SPRINGS

GEOCHEMICAL FILE NO: 0002154

LOCATION

COUNTRY..... UNITED STATES 01S 041E 26 NE

STATE..... NEVADA

COUNTY..... ESMEALUA

GEOLOGIC PROVINCE... 24

MAP REFERENCE..... ALKALI 1:24000; GOLDFIELD 1:25000

OTHER LOCALITY INFORMATION: 12 MILES NW OF GOLDFIELD, NYE CO.

COORDINATES

LAT/LONG... 37-49.6 N 117-20.4 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1957/05/13 WHITE, U. E.

TEMPERATURE (C)..... 50.5

DISCHARGE..... 95. L/MIN

DEPOSITS OR ALTERATION... MANGANIFEROUS TRAVERTINE TERRACE.

PERTINENT LITHOLOGY..... VALLEY ALLUVIUM NEAR PALEOZOIC ROCKS.

WATER ANALYSIS

DATE/ANALYST..... 1958/04/02 WHITEHEAD AND SCHUEH

PH..... 7.1

SPECIFIC CONDUCTANCE..... 1090.

ALKALINITY..... 129. AS CaCO3

TOTAL DISSOLVED SOLIDS... 1180.

ANALYSIS IN PPM

AG... CO3... 14

AL... CH... 2.7

AS... CS... 0.23

B... 1.4

BE... 7.0

BI... FE(TOT)... 0.12

CA... 47.

CA... HCO3... 320.

CU... K... 16.

LI... 1.3

Mg... 2.7

Mn... 0.23

NA... 334.

NB... 0.1

SI02... 60.

S04... 407.

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... WHITE, D., USGS, MENLO PARK

RECORD 00254

GEOCHEMICAL SAMPLE FILE

GEOCHEMICAL FILE NO: 0004177

NAME OF SAMPLE SOURCE... ALKALI SPRINGS

LOCATION

1044SHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... ESMEALDA
 GEOLOGIC PROVINCE..

LAT/LONG... 37-49.48 N 117-20.2 W
 UTM ZONE... 11
 NORTHING... 4185880
 469489.

MAP REFERENCE... ALKALI 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 12/7/01/18
 TEMPERATURE (C)..... 40.0
 DISCHARGE..... 189 L/MIN
 PERTINENT LITHOLOGY..... VOLCANIC ROCK

OTHER SAMPLE INFORMATION.. SALINITY AND ALKALINITY HAZARD HIGH FOR IRRIGATION.

WATER ANALYSIS

P..... 8.1
 SPECIFIC CONDUCTANCE..... 1040.

ANALYSIS IN PPM

AL....	CR.....	MG....	4.6		
BA....	FE+3....	NA+K..	349.		
BE....	FE(TOT)..	NB....		504..	492.
CA.... 46.	MCU3....				
CL.... 68.					

ISOTOPES (U/100)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... RUSH, 1968A

RECORD 00255

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074753

NAME OF SAMPLE SOURCE... EMIGRANT WELL

LOCATION

1044SHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... ESMEALDA
 GEOLOGIC PROVINCE..

LAT/LONG... 37-58.3 N 117-48.4 W
 UTM ZONE... 11
 NORTHING... 4202773
 429147.

MAP REFERENCE... RHYOLITE MIDGE 1:62500

OTHER LOCALITY INFORMATION.. ELEVATION 4883 FEET

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1969/07/30
 TEMPERATURE (C)..... 27.
 WELL DEPTH (M)..... 98.3

OTHER SAMPLE INFORMATION.. FIRST WATER ENCOUNTERED AT 308 FT., DRILLED IN 1963. USED FOR STOCK.

WATER ANALYSIS

P..... 8.0
 SPECIFIC CONDUCTANCE..... 4500.

ANALYSIS IN MG/L

AG....	CO3.....	MG....	2.		
AL....	CR.....	NA+K..	909.		
BA....	FE+3....	NB....		504..	1130.
BE....	FE(TOT)..				
CA.... 68.	MCU3....				
CL.... 658.					

ISOTOPES (U/100)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... RUSH AND SCHROER, 1970

RECORD 00256

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074713

NAME OF SAMPLE SOURCE... EMIGRANT WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 01N 03E 06 NW

LAT/LONG... 37-58.3 N 117-48.4 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... ESMEALDA

NORTHING... 4202773.

GEOLOGIC PROVINCE.. 24

429147.

M.P. REFERENCE..... RHYOLITE RIDGE 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1978/09/J7

TEMPERATURE (C)..... 25.

OTHER SAMPLE INFORMATION.. THIS IS A WINDMILL-PUMPED WELL THAT SUPPLIES WATER TO A CATTLE TANK.

WATER ANALYSIS

PH..... 8.4

SPECIFIC CONDUCTANCE..... 4400.

CHARGE IMBALANCE (% DIFF)... 0.0

ANALYSIS IN PPM

ISOTOPES (0/00)

AL..... CR..... 40.... 2.0

S..... F..... 5.6 NA.... 875. 5132. 40.

ME..... FE(TOT)..... NB.... 504.. 1120.

CA..... 71. HCO3.... 56.

Mg..... 623.

CO..... K..... 2.5

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

COMPILED CROSS INDEX... NJ-11-8-10

REFERENCE..... TREXLER AND OTHERS, 1979

RECORD 00257

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074765

NAME OF SAMPLE SOURCE... FISH LAKE VALLEY

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 02N 03E 28 SW OF SW SW

LAT/LONG... 37-59.4 N 118-05.7 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... ESMEALDA

NORTHING... 4205005.

GEOLOGIC PROVINCE.. 24

403845.

M.P. REFERENCE..... MARIPOSA 1:250000. RHYOLITE RIDGE 1:62500

DINEZ LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 27.2

DISCHARGE..... 4. L/MIN

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 3900.

ANALYSIS IN PPM

ISOTOPES (0/00)

CL..... 570.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... KOENIG, B. A., NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00258

GEOTHERM FILE ID: 0074771

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... FISH LAKE VALLEY

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES

UTM 036E 19

NE

LAT/LONG... 37-50.55 N 118-00.35 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... ESMEALDA

NORTHING... 4188620.

GEOLOGIC PROVINCE... 24

410692.

MAP REFERENCE..... MARIPOSA 1:250000 DAVIS MTN. 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACURATE TO WITHIN 0.55 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1949/11/29

TEMPERATURE (C)..... 25.

WATER ANALYSIS

P..... 7.

TOTAL DISSOLVED SOLIDS... 940.

ANALYSIS IN PPM

ISOTOPES (U/001)

AG....

CO3..... N

AL....

CR.....

MG... 9.6

B....

F..... 4.3

BA....

FE+3....

NA+K... 258.

BE....

FE(TOT)...

NB...

S04... 120.

CA.... 49.

MCU3.... 614.

P..... 74.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... DESERT RESEARCH INSTITUTE, 1973

RECORD 00259

GEOTHERM FILE ID: 0074770

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... FISH LAKE VALLEY WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES

UTM 036E 20

01S

LAT/LONG... 37-55.4 N 118-00.35 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... ESMEALDA

NORTHING... 4197500.

GEOLOGIC PROVINCE... 24

411595.

MAP REFERENCE..... MARIPOSA 1:250000 DAVIS MTN. 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACURATE TO WITHIN 0.30 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1957/05/25

TEMPERATURE (C)..... 25.

WATER ANALYSIS

P..... 7.1

SPECIFIC CONDUCTANCE... 1430.

ANALYSIS IN MG/L

ISOTOPES (U/001)

AG....

CO3..... N

AL....

CR.....

MG... 7.4

B.... 1.7

F..... 4.2

BA....

FE+3....

NA+K... 258.

BE....

FE(TOT)...

NB...

S04... 95.

CA.... 48.

MCU3.... 60.

CL.... 70.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... RUSH AND KATZER, 1973

RECORD 00260

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... FISH LAKE-VALLEY WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

GEOTHERM FILE 101 0074769

COUNTRY..... UNITED STATES U1S 036E 16 NE OF NA

STATE..... NEVADA

COUNTY..... ESMERALDA

GEOLOGIC PROVINCE.. 24

MAP REFERENCE..... KRYOLITE RIDGE 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1971/03/15

TEMPERATURE (C)..... 25.

OTHER SAMPLE INFORMATION.. SALINITY HAZARD- MED.. SODIUM HAZARD- VERY HIGH.

WATER ANALYSIS

P..... 8.4

SPECIFIC CONDUCTANCE..... 1500.

ANALYSIS IN MG/L

AG..... CO3..... 7.

AL..... CR.....

BA..... FE+3.....

BE..... FE(TOT).....

CA..... 5. HCO3..... 251.

CL..... 200.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... RUSH AND KATZER, 1973

RECORD 00261

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... FISH SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

GEOTHERM FILE 101 0074764

COUNTRY..... UNITED STATES U2S 035E 25 NW OF SW

STATE..... NEVADA

COUNTY..... ESMERALDA

GEOLOGIC PROVINCE.. 24

MAP REFERENCE..... MT. RARCHUFT 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1957/05/25

TEMPERATURE (C)..... 24.

WATER ANALYSIS

P..... 8.3

SPECIFIC CONDUCTANCE..... 303.

ANALYSIS IN MG/L

AG..... CO3..... 1.

AL..... CR.....

BA..... 0.42 F..... 1.5

BE..... FE+3.....

HE..... FE(TOT).....

ISOLOPES (0/001)

S04.. 30.

CA.... 13. HCO3.... 158.
 CL.... 7.
REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... RUSH AND KATZER, 1973

RECORD 00262

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 001-66

NAME OF SAMPLE SOURCE... GAP SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 02N 036E 32 SW OF SE
 STATE..... NEVADA
 COUNTY..... ESMEALUA
 GEOLOGIC PROVINCE.. 24
 MAP REFERENCE..... RHYOLITE RIDGE 1:62500
 LAT/LONG... 37-58.78 N 117-59.56 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1957/05/24

TEMPERATURE (C)..... 23.

DISCHARGE..... 38. L/MIN

OTHER SAMPLE INFORMATION.. SALINITY AND SODIUM HAZARDS VERY HIGH FOR IRRIGATION

WATER ANALYSIS

pH..... 7.9

SPECIFIC CONDUCTANCE..... 4280.

TOTAL DISSOLVED SOLIDS... 2500.

ANALYSIS IN PPM

ISOTOPES (0/00)

AG....		CO3....	14				
AL....		CR....		MG...	38.		
AS....	0.2			NA...	792.	SI02.	23.
B....	9.6	F.....	3.2	NA+K.	5.		
BA....		FE+3....		NO...		SO4..	323.
BE....		FE(TOT)...	0.8	NO3..	N		
CA....	38.	HCO3....	720.	PO4..	0.4		
CD....		H2S....					
CL....	860.						
CO....		K.....	60.				

OTHER ANALYTICAL DATA... HARDNESS(CAC03) = 254. A SMALL SPOT OF SEVERAL SQUARE FEET AT THE OUTLET OF THE SPRING IS SLIGHTLY RADIOACTIVE. RUNNING WATER HAS THE HIGHEST RADIOACTIVITY, SUGGESTING THAT THE WATER MAY CONTAIN RADON (LANSIDE, 1973).

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... VAN DENBURGH AND GLANCY, 1970

RECORD 00263

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0000617

NAME OF SAMPLE SOURCE... GAP SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 02N 036E 32 SW OF SE
 STATE..... NEVADA
 COUNTY..... ESMEALUA
 GEOLOGIC PROVINCE.. 24
 MAP REFERENCE..... RHYOLITE RIDGE 1:62500
 LAT/LONG... 37-58.77 N 117-59.56 W

OTHER LOCALITY INFORMATION: DIVIDE BETWEEN COLUMBUS AND FISH LAKE VALLEYS, UPPER MUST POOL, WEST SIDE OF GAP

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... MEUSSIG, S.
 TEMPERATURE (C)..... 15.0
 OTHER SAMPLE INFORMATION.. CHEMISTRY NOT VERIFIED.

WATER ANALYSIS

DATE/ANALYST..... 1953/11/17 KRAMER, H.
 P..... 7.9
 SPECIFIC CONDUCTANCE..... 4240.
 TOTAL DISSOLVED SOLIDS... 2698.
 CHARGE IMBALANCE (% DIFF)... 1.1
 ANALYSIS IN PPM

AG....		CO3.....	M	LI....	2.6		
AL....		CR.....		MG....	27.		
H....	15.	F.....	6.0	NA....	810.	SI02..	23.
HE....		FE(TOT)...		NB....		SO4..	354.
CA....	90.	HCO3.....	719.	NO3..	1.9		
CL....	437.						
CO....		K.....	70.				

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... SMITH, D., USGS, MENLO PARK

RECORD 00254

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074351

NAME OF SAMPLE SOURCE... NEVADA OIL AND MINERALS VRS NO. 1 WELL

LOCATION

1045SHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES U15 U36E 10 SW OF NE NE

LAT/LONG... 37-51.4 N 117-58.8 W

STATE..... NEVADA

COUNTY..... ESMEERALDA

MAP REFERENCE..... RHYOLITE RIDGE 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1970/10/16

TEMPERATURE (C)..... 158.8

WELL DEPTH (M)..... 2797.5

OTHER SAMPLE INFORMATION.. WELL IS ABANDONED OIL TEST WELL.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GANSIUE AND SCHILLING, 1979

RECORD 00205

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074754

NAME OF SAMPLE SOURCE... NONE GIVEN

LOCATION

1045SHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES U15 U43E U6 NW

LAT/LONG... 37-00.97 N 117-12.51 W

STATE..... NEVADA

COUNTY..... ESMEERALDA

MAP REFERENCE..... BONNIE CLAIRE SW 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1967/01/20

TEMPERATURE (C)..... 25.

WATER ANALYSIS

ANALYSIS IN PPM

AL....		CR.....		MG....	2.4
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ISOTOPES (0/00)

3A.... FE+3.... NA+K. 238.
 CA.... 9.0
 CL.... 47.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... DESERT RESEARCH INSTITUTE, 1973

RECORD 00256

GEOTHERM SAMPLE FILE

GEOTHERM FILE 10: 0074340

NAME OF SAMPLE SOURCE... PEARL HOT SPRINGS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES U15 U40E 25 SE OF NR 54

LAT/LONG... 37-49.33 N 117-28.81 W

STATE..... NEVADA

COUNTY..... ESMEALUA

GEOLOGIC PROVINCE.. 24

MAP REFERENCE..... PAYMASTER RIDGE 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1967/01/19

TEMPERATURE (C)..... 35.7

OTHER SAMPLE INFORMATION.. TWO SPRINGS.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... DESERT RESEARCH INSTITUTE, 1973

RECORD 00257

GEOTHERM SAMPLE FILE

GEOTHERM FILE 10: 0074768

NAME OF SAMPLE SOURCE... P.G. PENNEBAKER WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES U15 U35E 09 SW OF S4

LAT/LONG... 37-51.84 N 118-06.09 W

STATE..... NEVADA

COUNTY..... ESMEALUA

GEOLOGIC PROVINCE.. 24

MAP REFERENCE..... JAVIS Mtn. 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1957/05/25

TEMPERATURE (C)..... 23.3

WELL DEPTH (M)..... 91.

WATER ANALYSIS

pH..... 7.4

SPECIFIC CONDUCTANCE..... 240.

ANALYSIS IN MG/L

ISOTOPES (D/H)

AG..... CO3..... N

AL..... CR..... MG..... 2.7

B..... 0.05 F..... 0.2

BA..... FE+3..... NA+K. 34.

RE..... FE(TOT)..... NB..... 12.

CA..... 17. HCO3..... 128.

CL..... 3.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... DUSH AND KATZER, 1973

RECORD 00266

GEOTHERM FILE ID: 0074767

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SAND SPRING

LOCATION

COUNTRY..... UNITED STATES UTM 034E 27 SE OF SE

STATE..... NEVADA

COUNTY..... ESMEALJA

GEOLOGIC PROVINCE.. 24

M.P. REFERENCE..... MARIPUSA 1:250000 DAVIS MTS 1:62500

OTHER LOCALITY INFORMATION: ABOUT 2 MILES ESE OF PIVON HILL AT 5520 FEET ELEV.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1957/05/25

TEMPERATURE (C)..... 23.3

WATER ANALYSIS

pH..... 7.2

SPECIFIC CONDUCTANCE..... 144.

ANALYSIS IN MG/L

AG..... CO3..... 4

AL..... CR.....

R..... 0.02 F..... 0.2

BA..... FE+3.....

HE..... FE(TOT).....

CA..... 1.1 HCO3..... 53

MAG..... 2.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... DUSH AND KATZER, 1973

ISOTOPES (U/100)

RECORD 00269

GEOTHERM FILE ID: 0074281

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SILVER PEAK HOT SPRINGS, WATERWORKS SPRINGS

WELLING NUMBER..... 111

LOCATION

COUNTRY..... UNITED STATES UTM 039E 15 SE OF SE

STATE..... NEVADA

COUNTY..... ESMEALJA

GEOLOGIC PROVINCE.. 24

M.P. REFERENCE..... SILVERPEAK 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 34.2

DISCHARGE..... 1892.7 L/MIN

PERTINENT LITHOLOGY..... TERTIARY LAVA

OTHER SAMPLE INFORMATION.. SPRINGS REPORTED TO BE RADIOACTIVE, FORMER TOWN WATER SUPPLY, NOW USED FOR BATHING.

OTHER ANALYTICAL DATA... POSSIBLY RADON GAS, LOW URANIUM CONTENT.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WELING, 1965

RECORD 00270

GEOTHERM FILE ID: 0074752

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SOUTHERN BIG SMOKEY VALLEY, UNUSED WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES VIN 037E 14 NW

LAT/LONG... 37-56.55 N 117-50.25 W

STATE..... NEVADA

COUNTY..... ESMERALDA

MAP REFERENCE..... RHYOLITE RIDGE 1:62500

OTHER LOCALITY INFORMATION: ELEVATION 5234 FEET.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1964/07/30

TEMPERATURE (C)..... 22.

WELL DEPTH (M)..... 150.

OTHER SAMPLE INFORMATION... SALINITY AND SODIUM HAZAROUS: HIGH AND VERY HIGH

WATER ANALYSIS

PH..... 8.2

SPECIFIC CONDUCTANCE..... 2200.

ANALYSIS IN MG/L

ISOTOPES (0200)

AG..... CO3.....

AL..... CH.....

BA..... FE+3.....

RE..... FE(TOT).....

CA..... 4..... MCJ3..... 136.

CL..... 400.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... RUSH AND SCHROEDER, 1970

RECORD 00271

GEOTHERM SAMPLE FILE

GEOTHERM FILE NO: 0074057

NAME OF SAMPLE SOURCE... "CLUBE" HOT SPRING (HOT SPRINGS RANCH)

WELLING NUMBER..... 033

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 18N 050E 28 NW OF NW SE

LAT/LONG... 39-24.3 N 110-20.8 W

STATE..... NEVADA

COUNTY..... EUREKA

MAP REFERENCE..... ANTELOPE PEAK 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 41.1

DISCHARGE..... 379 L/MIN

OTHER SAMPLE INFORMATION... WATER SUPPLY FOR CATTLE

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WAKING, 1965

RECORD 00272

GEOTHERM SAMPLE FILE

GEOTHERM FILE NO: 0074739

NAME OF SAMPLE SOURCE... "CULUM" SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 18N 050E 28 NW OF NW SE

LAT/LONG... 39-24.3 N 110-20.8 W

STATE..... NEVADA

COUNTY..... EUREKA

MAP REFERENCE..... ANTELOPE PEAK 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 21.1

DISCHARGE..... J L/MIN

QUALIFICATION FIELD..... FLOW LISTED AS "SEEN"

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... FIERNO, 1964

RECORD 00273

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074742

NAME OF SAMPLE SOURCE... BARTHOLOMAE CORP. WATER WELL

LOCATION..... 10+55MIP-RANGE

COUNTRY..... UNITED STATES 10+55E 30 NW

STATE..... NEVADA

COUNTY..... EUREKA

GEOLOGIC PROVINCE..

M.P. REFERENCE..... MILLET 1:250000, ANTELOPE PEAK 1:62500

OTHER LOCALITY INFORMATION: 6090.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1964/04/16

TEMPERATURE (C)..... 22.2

DISCHARGE..... E 757. L/MIN

WATER ANALYSIS

PH..... 8.7

SPECIFIC CONDUCTANCE..... 319.

ANALYSIS IN PPM

AG..... CO3..... 12.

AL..... CR..... MG..... 7.6

H..... F..... NA..... 36.

HE..... FE(100)..... ND.....

CA..... 24. MC03..... 135. SO4... 28.

CL..... 7.0

OTHER ANALYTICAL DATA... SAR = 1.00 MSC = 0.37

QUALIFICATION FIELD..... FLOW ESTIMATED ON 4-16-64

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... RUSH AND EVERETT, 1964

RECORD 00274

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074741

NAME OF SAMPLE SOURCE... BARTHOLOMAE CORP. WATER WELL

LOCATION..... 10+55MIP-RANGE

COUNTRY..... UNITED STATES 10+55E 18 SW

STATE..... NEVADA

COUNTY..... EUREKA

GEOLOGIC PROVINCE..

M.P. REFERENCE..... ANTELOPE PEAK 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1969/00/00

TEMPERATURE (C)..... 23.3

ELI DEPTH (M)..... 204.
 DISCHARGE..... 53. L/MIN
 OTHER SAMPLE INFORMATION.. FLOWING ON 8-8-49
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOEHLER, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... DUSH AND EVERETT, 1964

RECORD 00275

GEOTERM SAMPLE FILE

GEOTERM FILE NO: 0000665

NAME OF SAMPLE SOURCE... RANTHULOMAE HOT SPRINGS
 LOCATION
 COUNTRY..... UNITED STATES 18N 05E 28 SE
 STATE..... NEVADA
 COUNTY..... EUREKA
 GEOLOGIC PROVINCE...
 MAP REFERENCE..... MILLET 1:250000, ANTELOPE PEAK 1:62500

COORDINATES
 LAT/LONG... 39-24.32 N 116-20.78 W
 UTM ZONE... 11
 NORTHING... 4361753.
 556279.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MOSE, R. K.
 TEMPERATURE (C)..... 54.0
 WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETER MEMBRANE FILTER, DILUTED
 PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM AND TERTIARY VOLCANIC ROCKS

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP
 pH..... 9.3
 SPECIFIC CONDUCTANCE..... 295.
 ALKALINITY..... 144. AS HCO3
 CHARGE IMBALANCE (+ DIFF).... 2.1

ANALYSIS IN MG/L

AG.....	CO3.....	LI.....	S.....
AL.....	CR.....	MG... L 0.1	SH...
BA.....	F.....	NA... 64.	SI02. 65.
BE.....	FE(TOT)...	NB...	SO4... 10.
CA..... 1.	HCO3..... 144.		
CL..... 6.3			
CO.....	K..... 0.7		

ISOTOPES (0/00)

DEL D OF WATER..... -12.9
 DEL O(18) OF WATER... -16.28

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... MARINER AND OTHERS, 1974B; MARINER AND OTHERS, 1975

RECORD 00276

GEOTERM SAMPLE FILE

GEOTERM FILE NO: 0000947

NAME OF SAMPLE SOURCE... RANTHULOMAE HOT SPRINGS
 LOCATION
 COUNTRY..... UNITED STATES 18N 05E 28 SE
 STATE..... NEVADA
 COUNTY..... EUREKA
 MAP REFERENCE..... ANTELOPE PEAK 1:62500

COORDINATES
 LAT/LONG... 39-24.4 N 116-20.6 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1952/09/17 SIMMONS, G. S.
 TEMPERATURE (C)..... E 54.0
 OTHER SAMPLE INFORMATION.. CLEAR WHEN COLLECTED AND ANALYZED.

WATER ANALYSIS

DATE/ANALYST..... 1955/04/10
P..... 8.5
SPECIFIC CONDUCTANCE..... 295.
ALKALINITY..... 12. AS CAC03
TOTAL DISSOLVED SOLIDS..... 257.
CHARGE IMBALANCE (% DIFF).... 2.3
ANALYSIS IN PPM

AG....	CO3.....	10.	LI....	N
AL....	CU.....		MG....	1.7
AS....	CS.....		MN....	N
H.....	F.....	4.0	NA....	65.
HE....	FE(TOT).....	0.02	NB....	
CA....	HCO3.....	126.	NU3....	N
CD....	H2S.....		PO4....	N
CL....	K.....	0.7		

ISOTOPES (0/100)

S102. 81.
S04.. 10.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
REFERENCE..... ROBERTS AND OTHERS, 1967

RECORD 00277

GEO THERM SAMPLE FILE

GEO THERM FILE ID: 0074264

NAME OF SAMPLE SOURCE... BARTINE HOT SPRINGS
WELL/SPRING NUMBER..... 93A

LOCATION

TOWNSHIP-RANGE

19N 050E 05 NE OF NE

COORDINATES

LAT/LONG... 39-33.5 N 116-21.7 W
UTM ZONE... 12
NORTHING... 4378724.
554839.

COUNTRY..... UNITED STATES
STATE..... NEVADA
COUNTY..... EUREKA
GEOLOGIC PROVINCE..

MAP REFERENCE..... BARTINE RANCH 1162500

OTHER LOCALITY INFORMATION: IN ANTELOPE VALLEY, 5 MILES WEST OF EUREKA.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 42.0
DISCHARGE..... 37.9 L/MIN

DEPOSITS OR ALTERATION... TUFA

PERTINENT LITHOLOGY..... TERTIARY LAKEBEDS NEAR FAULTED TERTIARY STRATA.

OTHER SAMPLE INFORMATION... THREE SPRINGS - TWO FLOW FROM TUFA MOUND, FLOWING WELL NEARBY. TEMPERATURE RANGE 40-42 C.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... MAKING, 1965

RECORD 00278

GEO THERM FILE ID: 0026060

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BARTINE HOT SPRINGS
WELL/SPRING NUMBER..... 19N-050E-05-AA

LOCATION

TOWNSHIP-RANGE

19N 050E 05 NE OF NE

COORDINATES

LAT/LONG... 39-33.5 N 116-21.7 W

COUNTRY..... UNITED STATES
STATE..... NEVADA
COUNTY..... EUREKA
GEOLOGIC PROVINCE.. 23

MAP REFERENCE..... BARTINE RANCH 1162500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1941/05/25 SHUSN, G.E. JR.
 SAMPLE NUMBER..... 8052
 TEMPERATURE (C)..... 44.3
 AMBIENT TEMP (C)..... 7.3
 WATER ANALYSIS
 DATE/ANALYST..... 1980/06/17 AMTECH LABS, INC.
 PH..... 7.47
 SPECIFIC CONDUCTANCE..... 634
 CHANGE IN BALANCE (8 DIFF).... 7.3
 ANALYSIS IN PPM

AG..... CO3.....
 AL..... Ca.....
 H..... F..... 0.889
 RE..... FE(TOT).....
 CA..... 69. MC03..... 334.
 CL..... 9.0
 CO..... K..... 12.

LI... 0.113
 MG... 17.
 NA... 37.
 NH... 25.

ISOTOPES (U/DN)

SI02. 31.
 S04.. 25.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SHUSN, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... SHUSN, G.E., NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00279

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074263

NAME OF SAMPLE SOURCE... BARTINE RANCH WATER WELL NO. 4
 LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 194 050E NE
 STATE..... NEVADA
 COUNTY..... EUREKA
 GEOLOGIC PROVINCE... 23

LAT/LONG... 39-31.4 N 116-21.03 W

MAP REFERENCE..... MILLPT 1:250000, BARTINE RANCH 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 45.7
 WELL DEPTH (M)..... 147.8
 DISCHARGE..... 124.9 L/MIN

OTHER SAMPLE INFORMATION: WELL IS ARTESIAN.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GAKSIDE AND SCHILLING, 1979

RECORD 00280

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0000934

NAME OF SAMPLE SOURCE... REDWANE - ACTIVE GEYSER

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 31N 048E 17

LAT/LONG... 40-33.5 N 116-35. W

STATE..... NEVADA
 COUNTY..... EUREKA

MAP REFERENCE..... DUNPHY 1:62500

OTHER LOCALITY INFORMATION: ACTIVE GEYSER AT SOUTH END OF TERRACE

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1952/09/16 SIMMONS, G. S.

TEMPERATURE (C)..... 97.2

OTHER SAMPLE INFORMATION.. CLEAN WHEN COLLECTED.

WATER ANALYSIS

DATE/ANALYST..... 1955/04/13 MITCHELL

P+..... 9.8

SPECIFIC CONDUCTANCE..... 1160.

ALKALINITY..... 9. AS CaCO₃

TOTAL DISSOLVED SOLIDS..... 1180.

CHARGE IMBALANCE (% DIFF).... 1.2

ANALYSIS IN MG/L

AG..... CO₃..... 199.

AL..... CR.....

AS..... CS.....

B..... 2.2 F..... 14.

RE..... FE(TOT)..... 0.02

CA..... 1.2 HCO₃..... 100.

CA+MG..... MG.....

CD..... H₂S.....

CL..... 50

CO..... R..... 30.

LI..... 1.2

MG..... 1.4

MN..... N

NA..... 257.

NB.....

NO₃..... 0.2

PB..... N

PO₄..... N

ISOTOPES (0/00)

S102..... 448.

S03..... 83.

OTHER ANALYTICAL DATA... HARDNESS AS CaCO₃ = 9.
QUALIFICATION FIELD..... TEMPERATURE RANGE IS 204 TO 210 F.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILED AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... WHITE, DONALD, U.S.G.S.

RECORD 00281

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0000788

NAME OF SAMPLE SOURCE... GEOWARE - MAIN GLYSER.

LOCATION

COUNTRY..... UNITED STATES 314 048E 17 N 1/2

STATE..... NEVADA

COUNTY..... EUREKA

GEOLOGIC PROVINCE...

HYP REFERENCE..... DUNPHY 1162500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... R. F. GARNETT

WATER ANALYSIS

DATE/ANALYST..... DINSMORE, S. C.

TOTAL DISSOLVED SOLIDS... 1307.

ANALYSIS IN PPM

AG..... CO₃..... 1

AL..... T CR.....

BA..... FE+3.....

RE..... FE(TOT).....

CA..... T HCO₃..... 512.

CL..... 70

MG..... N

NA+K..... 282.

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILED AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... OESTERLING, W.A., 1959, SO. PACIFIC R.W.

RECORD 00282

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0000919

NAME OF SAMPLE SOURCE... BEOWANE - NEVADA THERMAL WELL NO. 2

LOCATION

COUNTRY..... UNITED STATES 31N 048E 17
 STATE..... NEVADA
 COUNTY..... EUREKA
 MAP REFERENCE..... DUNPHY 1162500

COORDINATES

LAT/LONG... 40-33.5 N 116-35. W

OTHER LOCALITY INFORMATION: WELL 6 MI. WSW BEOWANE, EUREKA CO. CO.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1960/09/09 WHITE, D. AND SIGVALDASON, J.
 POINT OF COLLECTION... CHEST OF SINTER TERRACE 30 FT. S OF SPRING NO. 18, (LEAKAGE FROM PRESSURE GAUGE VALVE), NO. 18, (LEAKAGE FROM PRESSURE GAUGE VALVE).

TEMPERATURE (C)..... E 95.1

DISCHARGE..... E 473.2 L/MIN

OTHER SAMPLE INFORMATION.. SAMPLE MAY BE 10% EVAPORATED BY BOILING.

WATER ANALYSIS

DATE/ANALYST..... 1960/12/09 WHITEHEAD, H.C.

P..... 9.7

SPECIFIC CONDUCTANCE..... 1130.

ALKALINITY..... AS CaCO3

TOTAL DISSOLVED SOLIDS... 1200.

ANALYSIS IN PPM

AG....	CO3....	224.	LI....	1.6
AL....	CR....		MG....	0.2
AS....	CU....		MN....	N
BA....	FE....	15.	NA....	232.
BI....	FE(TOT)...		NB....	
BR....	GA....		NH4....	0.4
CA....	HCO3....	39.	NO3... N	
CD....	H2S....	11.	PO4....	0.00
CL....	I.....	N		
CO....	K.....	30.		

ISOTOPES (0/100)

S132... 534.
 S04... 90.
 SR... 0.21

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3 = 3.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... WHITE, 1964

RECORD 00283

GEOTHERM FILE 101 0000735

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BEOWANE - POOL

LOCATION

COUNTRY..... UNITED STATES 31N 048E 17 N 172
 STATE..... NEVADA
 COUNTY..... EUREKA
 MAP REFERENCE..... DUNPHY 1162500

COORDINATES

LAT/LONG... 40-33.5 N 116-35. W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1952/09/16 SIMMONS, G.C.

TEMPERATURE (C)..... 89.4

OTHER SAMPLE INFORMATION.. CLEAR WHEN COLLECTED.

WATER ANALYSIS

DATE/ANALYST..... 1955/04/04 MITCHELL

P..... 9.5

SPECIFIC CONDUCTANCE..... 1120.

ALKALINITY..... AS CaCO3

TOTAL DISSOLVED SOLIDS... 1090.

ANALYSIS IN PPM

AG....	CO3....	114.	LI...	1.2
AL....	CR....		MG...	1.2
AS....	CS....		NI...	N
H....	F....	14.	NA...	235.
HF....	FE(TOT)...	0.04	NB...	
CA...	HCO3....	234.	NO3...	0.1
CD....	MS....		PO4...	N
CL....				
CO....	K....	28.		

ISOTOPES (0/00)

SI02. 450.
S04.. 90.

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3 = 7.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
REFERENCE..... WHITE, DONALD, U.S.G.S.

RECORD 00284

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... REOWANE - SPRING 3

GEOTHERM FILE 101 0000938

LOCATION

COUNTRY..... UNITED STATES 31N 048E 17 N 1/2

COORDINATES

LAT/LONG... 40-33.5 N 116-35. N

STATE..... NEVADA

COUNTY..... EUREKA

MAP REFERENCE..... DUNPHY 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1957/09/01 WHITE, DONALD E.

POINT OF COLLECTION... COLLECTED AFTER WATER HAS FLOWED 70° VERTICALLY AND 260° HORIZONTALLY OVER SILTIER SAND.

DEPOSITS OR ALTERATION.... SILTIER SAND + CEMENTED. + CEMENTED.

WATER ANALYSIS

DATE/ANALYST..... 1958/07/09 WHITEHEAD, H. C.

P..... 9.6

SPECIFIC CONDUCTANCE.... 1250.

ALKALINITY..... AS CaCO3

ANALYSIS IN PPM

AG....	CO3....	165.	LI...	
AL....	CR....		MG...	1.0
H....	F....		NA...	
CA...	HCO3....	120.	SI02.	0 219.
CL....				

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3 = 8.0

QUALIFICATION FIELD..... SI02 VALUE COLORIMETRIC. OTHER SI02 VALUES: NAOM METHOD - 340 PPM; GRAVIMETRIC - 353 PPM.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
REFERENCE..... WHITE, DONALD, U.S.G.S.

RECORD 00285

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... REOWANE - SPRING 3

GEOTHERM FILE 101 0000819

LOCATION

COUNTRY..... UNITED STATES 31N 048E 17 N 1/2

COORDINATES

LAT/LONG... 40-33.5 N 116-35. N

STATE..... NEVADA

COUNTY..... EUREKA

MAP REFERENCE..... DUNPHY 116250
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1958/07/09 WHITE, D. E.
 DISCHARGE..... 23. L/MIN
 WATER TREATMENT..... OPALINE S102 ADDED WHEN COLLECTED

WATER ANALYSIS

DATE/ANALYST..... 1958/07/11 WHITEHEAD, M. C.

PH..... 9.3

SPECIFIC CONDUCTANCE..... 1200.

ANALYSIS IN PPM

AG..... CO3..... 183.

AL..... CR.....

BA..... F.....

CA..... 0.8 MC03..... 150.

CL..... 700

ISOTOPES (0/00)

SI02. 286.0

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3 = 2.0

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... WHITE, DONALD, U.S.G.S.

RECORD 00286

GEOCHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... REUNANE - SPRING 51

GEOCHEM FILE 101 000936

LOCATION

COUNTRY..... UNITED STATES 31N 048E 17 N 1/2

STATE..... NEVADA

COUNTY..... EUREKA

MAP REFERENCE..... DUNPHY 116250

COORDINATES

LAT/LONG... 40-33.5 N 116-35. W

OTHER LOCALITY INFORMATION: LARGE GEYSER POOL IN FLAT BELOW TERRACE.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1957/09/01 WHITE, DON E.

POINT OF COLLECTION... BASE OF SINTER TERRACE

TEMPERATURE (C)..... 95.6

DISCHARGE..... 243.9 L/MIN

PERTINENT LITHOLOGY..... SINTER TERRACE ON E-NE FAULT, ADJACENT TO TERTIARY ANDESITE.

WATER ANALYSIS

DATE/ANALYST..... 1958/01/31 WHITEHEAD, M. C.

PH..... 9.5

SPECIFIC CONDUCTANCE..... 1050.

ALKALINITY..... 2.

TOTAL DISSOLVED SOLIDS... 1000.

CHARGE IMBALANCE (% DIFF)... 2.9

ANALYSIS IN PPM

AG..... CO3..... 149.

AL..... CR.....

AS..... 0.02 CS.....

AU..... CU..... N

BA..... 2.0 F.....

BE..... FE(TOT)... 0.04

BI..... GA.....

BR..... 0.4 NH4... 0.5

CA..... 0.8 MC03... 116.

CA+MG... MG.....

CO..... MS.....

LI... 1.3

MG... N

MN... N

NA... 230.

NB... 87.

NH4... 0.5

NH4... N

NO3... 0.4

PH... N

PO4... 0.07

ISOTOPES (0/00)

SI02. 313.

S04... 87.

SR... N

CL.... 30. I..... N
 CO.... R..... 16.
 OTHER ANALYTICAL DATA... HARDNESS AS CaCO3 = 2.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... WHITE, DONALD, U.S.G.S.

ZN... N

RECORD 00287

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... GEOWARE "STEAM WELL"

GEOTHERM FILE ID: 0000587

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 31N 048E 17 NW

LAT/LONG... 40-33.5 N 116-35.00 W

STATE..... NEVADA

COUNTY..... EUREKA

MAP REFERENCE..... WINNEMUCCA 1:250000, DUNPHY 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP

TEMPERATURE (C)..... U

WATER TREATMENT..... PRESSURE - FILTERED THROUGH A .45 MICROMETRE MEMBRANE, DILUTED
 PERTINENT LITHOLOGY..... BASALT AND ANDESITE SURROUND THE WELL.

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

P..... 9.4

SPECIFIC CONDUCTANCE..... 1490.

ALKALINITY..... 667.

AS HCO3

CHARGE IMBALANCE (6 DIFF).... 15.0

ANALYSIS IN MG/L

AG....	CO3.....
AL....	CR.....
AS.... 0.05	CS..... 0.3
AU....	CU..... L 0.01
B.... 2.5	F..... L 0.05
BE....	FE(TOT) L 0.02
BI....	GA.....
BR.... 0.1	
CA.... 1.3	HCO3.... 667.
CO....	H2S.....
CL.... 70.	I..... 0.02
CO....	K..... 38.

LI.... 2.1	S....
MG.... 0.2	SB....
MN.... L 0.02	

ISOTOPES (0/00)

DEL D OF WATER.....	-113.6
DEL O(18) OF WATER...	-11.07

NA.... 250.	SI02.	300.
NB....	SO4..	64.
NH4.. 0.15	SR....	0.07

P04.. 0.31
RB... 0.46

QUALIFICATION FIELD.... BOILING WATER.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... MARINER AND OTHERS, 1974B, 1975

RECORD 00288

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... GEOWARE GEYSER TERRACE

GEOTHERM FILE ID: 0000920

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 31N 048E 17 N 1/2

LAT/LONG... 40-33. N 116-35. W

STATE..... NEVADA

COUNTY..... EUREKA

MAP REFERENCE..... DUNPHY 1:62500

OTHER LOCALITY INFORMATION: SAMPLE FROM SOUTHERNMOST VENT.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1958/05/25 FETH, J. H.
 POINT OF COLLECTION.. 50-75 FEET DOWNSLOPE FROM ORIFICE
 TEMPERATURE (C)..... 97.7

WATER ANALYSIS

DATE/ANALYST..... 1958/12/18 SCHUCH, J. P.

P.H..... 9.7
 SPECIFIC CONDUCTANCE..... 1070.
 TOTAL DISSOLVED SOLIDS... 817.

ANALYSIS IN PPM

AG....		CO3.....	120.	LI....	1.5		
AL....	N	CR.....		MG....	N		
AS....	0.03	CS.....		MN....	N		
H....	0.57	F.....	14.	NA....	232.	SI02.	212.
HE....		FE(TOT)...	0.01	NB....		S04..	101.
HR....	0.3						
CA....	N	HC03.....	122.	NO3..	N		
CD....		H2S.....	6.	PO4..	0.15		
CL....	46.	I.....	N				
CO....		K.....	22.				

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... PH4= .5

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... WHITE, DUVAL, U.S.G.S.

RECORD 00259

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... GEOWANE GEYSERS POOL

GEOTHERM FILE ID: 0000810

LOCATION

TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 31N 048E 17 N 1/2
 STATE..... NEVADA
 COUNTY..... EUREKA
 GEOLOGIC PROVINCE..
 MAP REFERENCE..... DUNPHY 1:62500

COORDINATES

LAT/LONG... 40-35.5 N 116-35. W
 UTM ZONE... 11
 NORTHING... 4488677.
 535281.

OTHER LOCALITY INFORMATION: NORTHERLY OF 2 POOLS ON FLATS

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1952/09/16 SIMMONS, G. S.
 TEMPERATURE (C)..... 87.6

OTHER SAMPLE INFORMATION.. CLEAR WHEN COLLECTED AND ANALYZED.

WATER ANALYSIS

DATE/ANALYST..... 1955/04/13

P.H..... 9.7
 SPECIFIC CONDUCTANCE..... 1000.
 ALKALINITY..... 6. AS HC03
 TOTAL DISSOLVED SOLIDS... 1030.

ANALYSIS IN PPM

AG....		CO3.....	157.	LI....	1.2
AL....		CR.....		MG....	0.9
AS....		CS.....		MN....	N
H....		F.....	16.	NA....	239.
HE....		FE(TOT)...	0.02		
CA....	1.2	HC03.....	96.	NO3..	N
CD....		H2S.....		PO4..	N

ISOTOPES (0/00)

CL.... 60.
CO.... 19.
OTHER ANALYTICAL DATA... HARNESS AS CAC03= 6.
REFERENCE AND IDENTIFICATION
COMPILED BY..... SANFORD, LINDA
COMPILED AFFILIATION... U.S. GEOLOGICAL SURVEY
REFERENCE..... WHITE, DONALD, U.S.G.S.

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BEOWANE GEYSERS, ACIDIC SPRING
LOCATION
COUNTRY..... UNITED STATES
STATE..... NEVADA
COUNTY..... EUREKA
GEOLOGIC PROVINCE...
MIP REFERENCE..... DUNPHY 1:62500

RECORD 00290
GEOTHERM FILE 101: 0074076

COORDINATES
LAT/LONG... 40-33.4 N 116-35.2 W
UTM ZONE... 11
NORTHING... 4489416.
534995.

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 78.0

WATER ANALYSIS

ANALYSIS IN PPM

AL....	CR.....	MG...	SB...	0.005
AS... 0.015	CS..... 0.115	MIN... 0.115		
HA....	F.....	NA... 250.	SIJ2.	300.
BE.... 0.190	FE(II)... 0.670			
HR.... 0.120				
CA... 3.				
CL.... 42.	MG.....	PB...	U....	0.0005
CO....	K..... 31.	RB... 0.215		

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... MULLENBERG AND OTHERS, 1977

RECORD 00291

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BEOWANE GEYSERS, SPRING
LOCATION
COUNTRY..... UNITED STATES
STATE..... NEVADA
COUNTY..... EUREKA
MAP REFERENCE..... WINNEQUCA 1:250000, DUNPHY 1:62500

GEOTHERM FILE 101: 0074131

COORDINATES
LAT/LONG... 40-33.4 N 116-35.2 W

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES

SAMPLE DESCRIPTION AND CONDITIONS

SAMPLE NUMBER..... 10-2
TEMPERATURE (C)..... 80.0

WATER ANALYSIS

ANALYSIS IN PPM

AL....	CR.....	MG...	SB...	0.013
AU....	CU.....	MO... 0.019		
BA....	F.....	NA... 207.		

ISOTOPES (0/00)

RA.... 0.001 HG..... PH... U.... L 0.00026
CA+MG. CL.... 56.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... WOLLENBERG AND OTHERS, 1975

RECORD 00292

GEOTERM SAMPLE FILE

GEOTERM FILE 101 0074303

NAME OF SAMPLE SOURCE... BEOWANE GEYSERS, SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 31N 048E 17 N 1/2
STATE..... NEVADA
COUNTY..... EUREKA

LAT/LONG... 40-33.4 N 116-35.2 W

MAP REFERENCE..... WINNEMUCCA 1:250000, DUNPHY 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1949/09/08 WHITE, DON E.
POINT OF COLLECTION... RELATED POOL ADJACENT TO GEYSER.
TEMPERATURE (C)..... E 96.6

OTHER SAMPLE INFORMATION.. DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES OF COORDINATES

WATER ANALYSIS

DATE/ANALYST..... 1950/04/26 BRANNUCK, W. A.

PH..... 9.5

SPECIFIC CONDUCTANCE.... 1062.

TOTAL DISSOLVED SOLIDS... 1100.

ANALYSIS IN PPM

AG....	CO3....	161.	LI....	1.8	S....	6.0
AL....	CR....		MG....	L 1.	SH....	N
AS.... 0.1						
R.... 2.2	F....	13.	NA....	241.	SI02.	446.
HE....	FE(TOT).		NH....		SO4..	76.
CA.... L 1.	MCU3....	148.				
CO....	H2S....	6.4				
CL.... 44.						
CU....	R....	29.				

ISOTOPES (D/001)

CONDENSATE ANALYSIS

SPECIFIC CONDUCTANCE.... 1015.

TOTAL DISSOLVED SOLIDS... 1109.

OTHER ANALYTICAL DATA... B = 0.66% OF EQ.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... WHITE, 1964

RECORD 00293

GEOTERM SAMPLE FILE

GEOTERM FILE 101 0074133

NAME OF SAMPLE SOURCE... BEOWANE GEYSERS, VULCAN NO.1

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 31N 048E 17 SE OF SW NW
STATE..... NEVADA
COUNTY..... EUREKA

LAT/LONG... 40-33.7 N 116-35.5 W

MAP REFERENCE..... DUNPHY 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1961/00/00
 TEMPERATURE (C)..... 212.2
 WELL DEPTH (M)..... 194.5
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GARSIDE AND SCHILLING, 1979

RECORD 00294

GEOOTHERM SAMPLE FILE

GEOOTHERM FILE ID: 0000790

NAME OF SAMPLE SOURCE... REOWANE HOT SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 31N 048E 08 SE

LAT/LONG... 40-34. N 116-34. W

STATE..... NEVADA

COUNTY..... EUREKA

MAP REFERENCE..... JONPHY 1162500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP

TEMPERATURE (C)..... 93.0

DISCHARGE..... 100. L/MIN

WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETRE MEMBRANE FILTER, DILUTED.

DEPOSITS OR ALTERATION... SILICA APROX DEPOSITED.

PERTINENT LITHOLOGY..... MIOCENE BASALT AND ANDESITE FLOWS.

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

P..... 8.9

SPECIFIC CONDUCTANCE..... 1020.

ALKALINITY..... 385. AS HCO3

ANALYSIS IN MG/L

AG.....	CO3.....	32.	LI....	1.3	S....	
AL.... 0.082	CR.....		MG....	L 0.1	SI....	
AS.... 0.03	CS.....	0.2	NA....	L 0.02		
AU.....	CU.....	L 0.01	NA....	230.	SI02.	320.
B.....	F.....	17.	NO....		SO4...	130.
BE.....	FE(TOT). L	0.02	NH4...	0.64	SR....	0.05
BI.....	GA.....					
BR.....	HCO3....	321.				
CA.... 1.9	MG.....	0.0017				
CA+MG.	H2S.....		PO4...	0.15		
CD....	I.....	0.02				
CL.... 69.	K.....	16.	NH....	0.2		
CO....						

ISOTOPES (0/00)

DEL D OF WATER..... -130.0
 DEL D(18) OF WATER... -14.76

OTHER ANALYTICAL DATA... SPRING SUPERHEATED, VERY LOW CALCIUM.

QUALIFICATION FIELD... SPRING REPORTED "BOILING".

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... MARINER AND OTHERS, 1974B, 1975

RECORD 00295

GEOOTHERM SAMPLE FILE

GEOOTHERM FILE ID: 0074186

NAME OF SAMPLE SOURCE... REOWANE HOT SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 31N 048E 17 NW

LAT/LONG... 40-33.4 N 116-35.2 W

STATE..... NEVADA
COUNTY..... EUREKA
GEOLOGIC PROVINCE..
MSP REFERENCE..... DUNPHY 1162500
OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES. HOT SPRINGS IN VALLEY BELOW THE
BEOWANE WELLS,

UTM ZONE... +11
NORTHING... 4489416.
534995.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1974/03/10
TEMPERATURE (C)..... 84.0
OTHER SAMPLE INFORMATION.. ASSOCIATED ROCKS ARE FAULTED TERTIARY BASALT.

WATER ANALYSIS

PH..... 9.7
SPECIFIC CONDUCTANCE..... 1006.
TOTAL DISSOLVED SOLIDS... 904.
ANALYSIS IN PPM
AG.... L 0.02 CO3..... 152. LI... 2.6
AL.... CR..... L 0.02 MG... 0.82 SB... L 0.1
AS.... 0.0022 CS..... 1.04 MN... 0.014
AU.... CU..... L 0.01 MO...
H.... F..... 19. NA... 229. SE... L 0.001
BA.... L 0.04 FE+3... NA+K.
BE.... L 0.005 FE(TOT). 0.09 NB...
BI.... L 0.1 GA..... NH4... 0.5
BR.... GE..... NI... 0.05
CA.... 9. HCO3... N NO3.. L 0.1
CL.... 0.01 MG..... L 0.0005 PD... 0.06
CO.... 67. H2S.... PO4.. L 0.1
CU.... K..... 14. Rb... 0.206 ZN... 2.3

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... SANDERS AND MILES, 1974

RECORD 00296

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BEOWANE HOT SPRING (GEYSER TERRACE)
LOCATION
COUNTRY..... UNITED STATES LONGSHIP-RANGE
STATE..... NEVADA 31N 048E 17 N 1/2
COUNTY..... EUREKA
GEOLOGIC PROVINCE..
MSP REFERENCE..... DUNPHY 1162500

GEO THERM FILE ID# 0000921

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1958/05/25 FEIN, J. H.
TEMPERATURE (C)..... 96.6

WATER ANALYSIS

DATE/ANALYST..... 1958/12/13 SCHUCH, J. P.
PH..... 9.3
SPECIFIC CONDUCTANCE..... 1090.
ALKALINITY..... AS CaCO3
TOTAL DISSOLVED SOLIDS... 681.
ANALYSIS IN PPM

AG.... CO3..... 74. LI... 1.3
AL.... 0.69 CR..... MG... N

ISOTOPES (0/00)

COUNTING DATA

LAT/LONG... 40-33. N 116-33. W
UTM ZONE... +11
NORTHING... 4488677.
535281.

AS....	CS.....	MN...	N
R.....	F..... 14.	NA...	225.
HE.....	FE(TOT) 0.02		
AI.....	GA.....	NH4..	0.8
HR..... 0.2			
CA.... 0.8	MCU3.... 132.	NO3..	N
CD....	M2S.... 2.3	PU4..	0.4
CL.... 46.	I..... 0.1		
CO....	K..... 27.		

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3 = 2.0

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... WHITE, DONALD, U.S.G.S.

RECORD 00297

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... REUNANE, ON UM-22A

GEOTHERM FILE ID: 0074755

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 31N 04E 09 SW OF SW SW
 STATE..... NEVADA
 COUNTY..... EUREKA
 GEOLOGIC PROVINCE..
 MAP REFERENCE..... DUNPHY 1:62500

LAT/LONG... 40-34.03 N 116-34.53 W
 UTM ZONE... 11
 NORTHING... 4490530.
 535830.

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.25 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 25.

WATER ANALYSIS

P..... 7.6
 SPECIFIC CONDUCTANCE..... 1090.
 TOTAL DISSOLVED SOLIDS... 757.
 CHARGE IMBALANCE (B DIFF)... 0.8
 ANALYSIS IN PPM

AG....	CO3....	LI...	1.7		
AL....	CR.....	MG...	1.4		
R..... 1.7	F..... 11.	NA...	220.	SiO2.	125.
RE.....	FE(TOT)...	NH...		SO4..	100.
CA.... 16.	MCU3.... 440.				
CL.... 49.					
CO....	K..... 17.				

ISOTOPE (U/WM)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... OLMSTEAD AND RUSH, 1977

RECORD 00298

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074336

NAME OF SAMPLE SOURCE... BRUFFEY'S HOT SPRING

WATER NUMBER..... 90A

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 27N 05E 14 NE OF SE
 STATE..... NEVADA
 COUNTY..... EUREKA
 MAP REFERENCE..... WINNEMUCCA 1:250000, MINERAL HILL 1:62500

LAT/LONG... 40-13.15 N 116-04.1 W

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.21 MILES SEVEN MILES NE OF MINERAL. SEVEN
 MILES NE OF MINERAL.
 SAMPLE DESCRIPTION AND CONDITIONS
 TEMPERATURE (C)..... 67.0
 DISCHARGE..... 189.3 L/MIN.
 OTHER SAMPLE INFORMATION.. SIX SPRINGS USED FOR IRRIGATION AND DOMESTIC USES.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... FLYNN, J.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... WARING, 1965

RECORD 00299

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... GRUFFEY'S HOT SPRINGS
 LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE
 STATE..... NEVADA 27N 052E 14 NE OF SE
 COUNTY..... EUREKA COORDINATES
 MAP REFERENCE..... MINERAL HILL 1:62500 LAT/LONG... 40-03.15 N 116-04.1 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1952/09/18 SIMMONS, G.C.
 TEMPERATURE (C)..... 67.2
 OTHER SAMPLE INFORMATION.. CLEAR WHEN COLLECTED AND ANALYZED

WATER ANALYSIS

DATE/ANALYST..... 1955/04/13
 P.I..... 0.9
 SPECIFIC CONDUCTANCE..... 347.
 ALKALINITY.....
 TOTAL DISSOLVED SOLIDS... 371.
 ANALYSIS IN PPM

AS CaCO3

ISOTOPE (0/00)

AG....	CO3.... N	LI.... N			
AL....	CR....	MG....	19.		
AS....	CS....	MN....	N		
H.... 0.29	F.... 0.6	NA....	40.	SiO2..	60.
HE....	FE(TOT).. 0.02	NB....		SO4..	41.
CA.... 50.	MC03.... 282.	NU3..	0.1		
CO....	H2S....	PO4..	N		
CL.... 14.					
CO....	K..... 7.3				

OTHER ANALYTICAL DATA... HARDNESS AS CaCO3 = 203.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... WHITE, DONALD, U.S.G.S.

RECORD 00300

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... GRUFFEY'S HOT SPRINGS
 LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE
 STATE..... NEVADA 27N 052E 14 NE OF SE
 COUNTY..... EUREKA COORDINATES
 GEOLOGIC PROVINCE... 23 UTM ZONE... 11
 MAP REFERENCE..... MINERAL HILL 1:62500 NORTHING... 4433649.
 579612.

GEOTHERM FILE ID: 0000946

OTHER LOCALITY INFORMATION: 7 MI. NE MINERAL. HIGHEST SPRING ON APRON. HIGHEST SPRING ON APRON
SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1954/07/23 HEWITT, D. F.

TEMPERATURE (C)..... 65.5

DISCHARGE..... 189 L/MIN

OTHER SAMPLE INFORMATION.. CLEAR APPEARANCE

WATER ANALYSIS

DATE/ANALYST..... 1954/09/10 BRENNAN, R.

PH..... 7.0

SPECIFIC CONDUCTANCE..... 540.

ALKALINITY..... AS CaCO₃

TOTAL DISSOLVED SOLIDS... 380.

ANALYSIS IN PPM

AG.... CO₃.... N LI... 0.2

AL.... CR.... MG... 16.

B.... 0.25 F.... 0.7 NA... 39. SiO₂ 0.58

BA.... N FE(TOT)... NB... 504.. 27.

HE.... HCO₃.... 287. NO₃.. 0.1

CA.... 52. CL.... 14.

CO.... K.... 8.7

OTHER ANALYTICAL DATA... HARDNESS AS CaCO₃ = 196.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... ROBERTS AND OTHERS, 1967

RECORD 00301

GEOOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CRESCENT VALLEY HOT SPRINGS

GEOOTHERM FILE ID: 0074188

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE 29N 048E 01 SW

STATE..... NEVADA

COUNTY..... EUREKA

GEOLOGIC PROVINCE..

MAP REFERENCE..... CRESCENT VALLEY 1:62500

COORDINATES

LAT/LONG... 40-24.5 N 116-30.8 W

UTM ZONE... 11

NORTHING... 4472983.

541294.

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1948/06/10

TEMPERATURE (C)..... 58.9

DISCHARGE..... 379 L/MIN

DEPOSITS OR ALTERATION.... CALCAREOUS SILT BEING DEPOSITED.

PERTINENT LITHOLOGY..... FIVE MAJOR SPRINGS ON OR ADJACENT TO PROBABLE FAULT ZONE; SPRINGS FLOW FROM ALLUVIUM.

OTHER SAMPLE INFORMATION.. WATER NOT SUITABLE FOR IRRIGATION OR DOMESTIC USES.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 1750.

TOTAL DISSOLVED SOLIDS... 1140.

ANALYSIS IN PPM

AL.... CR.... MG... 43.

B.... 0.4 F.... 5.9 NA... 5102. 73.

BA.... FE+3.... 319.

HE.... FE(TOT)... 0.03 NB... 504.. 117.

CA.... 53. HCO₃.... 980. NO₃.. N

CL.... 44.

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... ZONES, 1961B

RECORD 00302

GEOHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... FLYNN RANCH SPRINGS
WATER NUMBER..... 91

GEOHEM FILE 101-007475B

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE
STATE..... NEVADA 25N 053E 06
COUNTY..... EUREKA
GEOLOGIC PROVINCE... 23
MAP REFERENCE..... MINERAL HILL 1:62500

COORDINATES

LAT/LONG... 40-04.75 N 116-02.1 W

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACURATE TO WITHIN 0.91 MILES. DEEP POOL AND MINOR SPRINGS DEEP POOL AND MINOR SPRINGS

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 26.
DISCHARGE..... 38. L/MIN
PERTINENT LITHOLOGY..... ALLOVIUM
OTHER SAMPLE INFORMATION.. WATER USED FOR IRRIGATION.

QUALIFICATION FIELD..... TEMPERATURE LISTED IS A MAXIMUM - GIVEN AS 69-78 DEG F. TEMPERATURES MEASURED BY NEV. BUR.
MINES AND GEOLOGY, AUGUST 1978: 10 DEG C, 16 DEG C.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... WATKINS, 1965

RECORD 00303

GEOHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... HUNSEHUE RANCH HOT SPRINGS

GEOHEM FILE 101-0000744

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE
STATE..... NEVADA 32N 049E 33 SW
COUNTY..... EUREKA
GEOLOGIC PROVINCE... 23
MAP REFERENCE..... BEOWANE 1:62500
OTHER LOCALITY INFORMATION: ONE MILE NE OF BEOWANE, NEV.

COORDINATES

LAT/LONG... 40-36.1 N 116-27.6 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1957/09/01 WHITE, DON E.
TEMPERATURE (C)..... 58.0
DISCHARGE..... 3.8 L/MIN
PERTINENT LITHOLOGY..... NEAR CONTACT OF QAL AND PALEOZOIC SEDIMENTS WITH MINOR CAPPING OF TERTIARY VOLCANICS.
OTHER SAMPLE INFORMATION.. SMALL SPRING

WATER ANALYSIS

DATE/ANALYST..... 1958/04/02 WHITEHEAD AND SCHUCH
P..... 7.0
SPECIFIC CONDUCTANCE..... 832.
ALKALINITY..... 80. AS CaCO3
TOTAL DISSOLVED SOLIDS... 526.
CHARGE IMBALANCE (% DIFF).... 2.7
ANALYSIS IN PPM

AG....
AL....

CO3..... N
CR.....

LI.... N
MG.... 5.8

ISOTOPES (0/00)

B..... 0.81 F..... 5.0 NA... 136. S102. 58.
 BE..... FE(TOT) NB... 504. 62.
 BI..... GA..... NM4... 6.4
 CA..... 22. MC03... 378. NU3... N.
 CO..... H2S..... E 1.5
 CL..... 21.
 CO..... K..... 17.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... ROBERTS AND OTHERS, 1967

RECORD 00304

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... HORSESHOE RANCH SPRINGS

GEOTHERM FILE ID: 0074078

WELLING NUMBER..... 88

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 32N 049E 32

LAT/LONG... 40-36.2 N 116-28.3 W

STATE..... NEVADA

COUNTY..... EUREKA

MAP REFERENCE..... BEOWAWE 1162500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES 1 MILE NE OF BEOWAWE, 1 MILE NE OF BEOWAWE.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... R 55.6

DISCHARGE..... 113.6 L/MIN

PERTINENT LITHOLOGY..... FAULTED TERTIARY LAVA

OTHER SAMPLE INFORMATION... TWO SPRINGS USED FOR BATHING AND IRRIGATION.

QUALIFICATION FIELD..... RANGE OF TEMP. = 51.7 - 55.6 C.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WARRING, 1965

RECORD 00305

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074756

NAME OF SAMPLE SOURCE... HOT CREEK SPRINGS AREA

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 28N 052E 12 N

LAT/LONG... 40-19.7 N 116-04.3 W

STATE..... NEVADA

COUNTY..... EUREKA

GEOLOGIC PROVINCE... 23

MAP REFERENCE..... WINNEMUCCA 11250000, PINE VALLEY 1162500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1973/00700

TEMPERATURE (C)..... 26.1

DISCHARGE..... 6000. L/MIN

ANALYSIS

P+..... 7.3

SPECIFIC CONDUCTANCE..... 408.

CHARGE IMBALANCE (8 DIFF)... 6.4

ANALYSIS IN PPM

AG.....

CO3..... 1.

LI... 0.02

ISOLINES (02/001)

ANALYSIS IN PPM

ISOTOPES (0/00)

AG.... CO3.... 29.
 AL.... CR.... MG... N
 B.... F.... NA... 72.
 BE.... FE(TOT). NB... 504.. 22.
 CA.... HCO3.... 92.
 CL.... 7.3

OTHER ANALYTICAL DATA... SAR IS "EXTREMELY HIGH", HSC = 2.48

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 REFERENCE..... RUSH AND EVERETT, 1964

RECORD 00308

GEOHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... HOT SPRING RANCH WELL

GEOHERM FILE ID: 0074155

WELL/SPRING NUMBER..... 18-50-28-02

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 18N 050E SE NW OF NW

LAT/LONG... 39-24.3 N 116-20.8 W

STATE..... NEVADA

COUNTY..... EUREKA

GEOLOGIC PROVINCE... 23

MAP REFERENCE..... MILLET 1:250000, ANTELOPE PEAK 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES ELEVATION 6340 FT. ELEVATION 6340 FT.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1964/05/21

TEMPERATURE (C)..... 70.0

WELL DEPTH (M)..... 12.0

OTHER SAMPLE INFORMATION.. WELL DRILLED IN KLOBE SPRING IN 10/1942 FOR STOCK AND DOMESTIC USES. SPRING FLOW WAS 500 GPM IN 4/10/64

FISHER ANALYSIS

pH..... 9.0

SPECIFIC CONDUCTANCE..... 315.

ANALYSIS IN PPM

ISOTOPES (0/00)

AG.... CO3.... 26.
 AL.... CR.... MG... N
 B.... F.... NA... 71.
 BE.... FE(TOT). NB... 504.. 22.
 CA.... HCO3.... 94.
 CL.... 7.1

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... RUSH AND EVERETT, 1964

RECORD 00309

GEOHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... HOT SPRINGS POINT

GEOHERM FILE ID: 0000942

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 29N 048E 11 NE OF NE

LAT/LONG... 43-24.2 N 116-31. W

STATE..... NEVADA

COUNTY..... EUREKA

MAP REFERENCE..... CRESCENT VALLEY 1:62500

OTHER LOCALITY INFORMATION: SOUTHERN OF 2 GROUPS 1/2 MI. NORTH OF SULPHUR DEPOSIT IN CRESCENT VALLEY IN CRESCENT VALLEY

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1954/07/28 HEWITT, D. F.
 TEMPERATURE (C)..... 60.0
 OTHER SAMPLE INFORMATION.. TWO GROUPS OF HOT SPRINGS EXTEND ALONG RANGE FOR ONE MILE

WATER ANALYSIS

DATE/ANALYST..... 1954/08/27 KRAMER, HENRY

P..... 6.9
 SPECIFIC CONDUCTANCE..... 1700.

CHARGE IMBALANCE (6 DIFF).... 0.7

ANALYSIS IN PPM

AG....	CO3....	LI....	0.99
AL....	CR....	MG....	40.
B.... 2.9	F....	NA....	285.
RE....	FE(TOT)...	NB....	
CA.... 46.	HC03....	NO3....	0.15
CL.... 48.			
CO....	K....		56.

ISOTOPES (0/00)

SI02. 70.
 S04.. 116.

OTHER ANALYTICAL DATA... $\delta = 0.60\%$ OF EQ.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... WHITE, DONALD; U.S.G.S.

RECORD 00310

GEOTERM. SAMPLE FILE

NAME OF SAMPLE SOURCE... HOT SPRINGS POINT

LOCATION

COUNTRY..... UNITED STATES 29N 048E 11 NE OF NE
 STATE..... NEVADA
 COUNTY..... EUREKA
 GEOLOGIC PROVINCE..

COORDINATES

LAT/LONG... 40-24.4 N 116-31.3 W
 UTM ZONE... 11

540588.

MAP REFERENCE..... CRESCENT VALLEY 1162500

OTHER LOCALITY INFORMATION: SE 1/4 OF SE 1/4 OF SEC. 2, AND NE 1/4 OF NE 1/4 OF SEC. 11

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1952/09/16 SIMMONS, G. S.

TEMPERATURE (C)..... 58.9

DISCHARGE..... 572. L/MIN

OTHER SAMPLE INFORMATION.. CLEAR WHEN COLLECTED AND ANALYZED. FIELD NO. 523115. DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES OF COORDINATES. COMPLETE LOCATION: SE4, SE4, SEC 2 AND NE4, NE4, SEC 11

WATER ANALYSIS

DATE/ANALYST..... 1955/04/13 MITCHELL, C.E.

P..... 6.8

SPECIFIC CONDUCTANCE..... 1710.

ALKALINITY..... AS CAC03

TOTAL DISSOLVED SOLIDS... 1130.

ANALYSIS IN PPM

AG....	CO3....	LI....	1.0
AL....	CR....	MG....	38.
AS....	CS....	MN....	0.09
B.... 1.6	F....	NA....	277.
HE....	FE(TOT)...	NB....	
CA.... 54.	HC03....	NO3....	3.3
CD....	H2S....	PO4..	N
CL.... 49.			
CO....	K....		51.

ISOTOPES (0/00)

SI02. 72.
 S04.. 116.

GEOTERM FILE 101-0074284

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, J.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... RUBENIS AND OTHERS, 1967

RECORD 00311

GEOHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... HOT SPRINGS POINT
LOCATION
COUNTRY..... UNITED STATES 29N 048E 11 NE OF NE
STATE..... NEVADA
COUNTY..... EUREKA
GEOLOGIC PROVINCE... 23
MAP REFERENCE..... CRESCENT VALLEY 1:62500

GEOHERM FILE NO: 0000637

COORDINATES

LAT/LONG... 40-24.21 N 116-31.00 W
UTM ZONE... 11
NORTHING... 4472445.
541014.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP
TEMPERATURE (C)..... 54.0
DISCHARGE..... 125. L/MIN
WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETRE MEMBRANE FILTER, DILUTED
DEPOSITS OR ALTERATION... CAC03 APRON DEPOSITED.
PERTINENT LITHOLOGY..... LATE MIOCENE AND EARLY PLIOCENE BASALTS, AND OROUVICIAN QUARTZITES AND GNEISS

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP
P-1..... 6.6
SPECIFIC CONDUCTANCE..... 1730.
ALKALINITY..... 915. AS HCO3

ANALYSIS IN MG/L

AG.....	CO3..... L 1.	LI... 1.1	S....
AL..... 0.008	CH.....	MG... 35.	SB....
AS..... L 0.01	CS..... 0.1	MN... L 0.02	
AU.....	CU..... 0.04		
B..... 2.1	F..... 6.6	NA... 230.	SI02. 61.
BE.....	FE(TOT). L 0.02	NH... 4.1	S04... 7.
BI.....	GA.....	NH4... 4.1	SR... 1.3
BR..... 0.2			
CA..... 53.	HCO3..... 915.		
CA-MG.	HG..... L 0.0001		
CD.....	H2S.....	PO4... 0.03	
CL..... 1.	I..... 0.02		
CO.....	K..... 58.	RD... 0.29	

ISOTOPIES (0/00)

DEL D OF WATER..... -136.1
DEL O(18) OF WATER... -15.97

GAS ANALYSIS

DATE/ANALYST..... 1974/00/00 BARNES GROUP
ANALYSIS IN VOLUME %
CH4... L 1.
C2H6.
CO2... 60.

ISOTOPIES (00/0)

N2... 31.
O2... 9.

QUALIFICATION FIELD..... 02 = 02 + AR.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
COMPILER CROSS INDEX... NEH-403
REFERENCE..... MARINER AND OTHERS, 1974; MARINER AND OTHERS, 1975

RECORD 00312

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0001017

NAME OF SAMPLE SOURCE... HOT SPRINGS POINT

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 29N 048E 02 SE

STATE... NEVADA

COUNTY... EUREKA

GEOLOGIC PROVINCE...

MAP REFERENCE... CRESCENT VALLEY 1162500

LAT/LONG... 40-24.4 N 116-31.3 W

UTM ZONE... 11

NORTHING... 4472796

EASTING... 541013

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1952/09/16 SIMMONS, G.C.

TEMPERATURE (C)... 50.0

OTHER SAMPLE INFORMATION... CLEAR WHEN COLLECTED AND ANALYZED.

WATER ANALYSIS

PH... 6.5

SPECIFIC CONDUCTANCE... 1790

ALKALINITY... AS CaCO3

TOTAL DISSOLVED SOLIDS... 1170

ANALYSIS IN PPM

ISOTOPES (0/00)

AG...	CO3...	N	LI...	0.9
AL...	CR...		MG...	42.
AS...	CS...		MN...	0.05
H...	F...	4.9	NA...	284.
CA...	FE(TOT)...	0.02	NU...	
CD...	HC03...	990.	NO3...	1.7
CL...	H2S...		PO4...	0.4
CO...	K...	54.		

SI02...	52.
SO4...	122.

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE... WHITE, DONALD, U.S.G.S.

RECORD 00313

GEOTHERM FILE ID: 0074283

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... HOT SPRINGS POINT

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 29N 048E 11 NE OF NE

STATE... NEVADA

COUNTY... EUREKA

GEOLOGIC PROVINCE...

MAP REFERENCE... CRESCENT VALLEY 1162500

LAT/LONG... 40-24.4 N 116-31.3 W

UTM ZONE... 11

NORTHING... 4472794

EASTING... 540588

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES. LOCATION GIVEN AS SE/4 SE/4 SECTION 11, 2, NE/4 NE/4 SECTION 11.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)... 151.4

DISCHARGE... 216. L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... WARING, 1965

RECORD 00315

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074135

NAME OF SAMPLE SOURCE... HOT SPRINGS POINT (CRESCENT VALLEY)

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 29N 048E 01 SW

LAT/LONG... 40-24.5 N 116-30.4 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... EUREKA

NORTHING... 4472903

GEOLOGIC PROVINCE..

541294

MAP REFERENCE..... WINNEMUCCA 1:250000, CRESCENT VALLEY 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1960/00/00

TEMPERATURE (C)..... 51.1

DISCHARGE..... N

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WILSON, R.E., 1968

RECORD 00315

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074285

NAME OF SAMPLE SOURCE... HOT SPRINGS POINT (CRESCENT VALLEY)

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 29N 048E 01 NE

LAT/LONG... 40-24.1 N 116-30.4 W

STATE..... NEVADA

COUNTY..... EUREKA

MAP REFERENCE..... WINNEMUCCA 1:250000, CRESCENT VALLEY 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1960/00/00

TEMPERATURE (C)..... 51.1

DISCHARGE..... 56.3 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WILSON, R.E., 1968

RECORD 00316

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074134

NAME OF SAMPLE SOURCE... HOT SPRINGS POINT (CRESCENT VALLEY)

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 29N 048E 01 SW

LAT/LONG... 40-24.5 N 116-30.4 W

STATE..... NEVADA

COUNTY..... EUREKA

MAP REFERENCE..... CRESCENT VALLEY 1:62500

NORTHING... 4473899

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1960/00/00

TEMPERATURE (C)..... 57.7

DISCHARGE..... 30.3 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE... HILSON, R.E., 1960

RECORD 00317

OTHER SAMPLE FILE

NAME OF SAMPLE SOURCE... KLOBE HOT SPRINGS

COUNTRY... UNITED STATES
STATE... NEVADA
COUNTY... EUREKA

COORDINATES

LAT/LONG... 39-24.3 N 116-20.8 W

SECTION... ANTELOPE PEAK 116250V

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES

FILE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1965/12/21

TEMPERATURE (C)... 68.9

DISCHARGE... 135 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... FIERO, 1968

RECORD 00318

OTHER SAMPLE FILE

NAME OF SAMPLE SOURCE... KLOBE HOT SPRINGS WELL

COUNTRY... UNITED STATES
STATE... NEVADA
COUNTY... EUREKA

COORDINATES

LAT/LONG... 39-24.3 N 116-20.8 W

SECTION... ANTELOPE PEAK 116250V

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES. IN ANTELOPE VALLEY.

FILE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1973/09/18

TEMPERATURE (C)... 47.2

DISCHARGE... 36 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... FIERO, 1968

ANALYSIS

ECIFIC CONDUCTANCE... 364

TOTAL DISSOLVED SOLIDS... 265

ANALYSIS IN PPM

AG... L 0.004

AL... L 0.004

AS... L 0.004

BA... L 0.004

BR... L 0.004

CA... L 0.004

CL... L 0.004

CO... L 0.004

CR... L 0.004

CU... L 0.004

FE... L 0.004

GA... L 0.004

GE... L 0.004

MG... L 0.004

NI... L 0.004

NO... L 0.004

CO3... 41

LI... 0.11

MO... 0.002

MN... L 0.01

NA... 66

NA+K... 66

NO... L 10

NH4... L 0.1

NI... L 0.02

NO3... L 0.1

NO3... L 0.02

NO3... L 0.02

NO3... L 0.02

SE... L 0.2

SI... L 0.0001

SI... 82

SN... L 0.2

SO4... 16

TA... L 5

ISOTOPES (DPM)

CD.... H2S.... PU4.. L U.1
CL.... 11. K.... 1. RB... L U.02 ZN... L U.02
CO....

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... SANDERS AND MILES, 1974

RECORD 00319

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... KLOHE HOT SPRINGS WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

GEOTERM FILE ID: 0074098

COUNTRY..... UNITED STATES 18 W 50E 28 NW OF NW SE LAT/LONG... 39-24.3 N 116-20.8 W

STATE..... NEVADA

COUNTY..... EUREKA

MAP REFERENCE..... MILLPT 1:250000; ANTELOPE PEAK 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES 6340 FT. ELEVATION 6340 FT. ELEVATION

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1965/12/21

TEMPERATURE (C)..... 63.9

WELL DEPTH (M)..... 12.

DISCHARGE..... 11.4 L/MIN

OTHER SAMPLE INFORMATION: FLOWING WELL.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... FIERO, 1968

RECORD 00320

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... MAGMA POWER CO. HOT SPRINGS POINT NO. 1 WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

GEOTERM FILE ID: 0074253

COUNTRY..... UNITED STATES 29 N 048E

STATE..... NEVADA

COUNTY..... EUREKA

GEOLOGIC PROVINCE.. 23

MAP REFERENCE..... CRESCENT VALLEY 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1965/06/00

TEMPERATURE (C)..... 74.5

WELL DEPTH (M)..... 125.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... KOENIG, 1970

RECORD 00321

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SHIPLEY (SADLER) HOT SPRINGS

LOCATION

TOWNSHIP-RANGE

COORDINATES

GEOTERM FILE ID: 0074262

COUNTRY..... UNITED STATES 24 N 052E 23 NE OF SE

STATE..... NEVADA

LAT/LONG... 39-56.5 N 116-04.1 W

COUNTY..... EUREKA
MAP REFERENCE..... GARDEF VALLEY 1162500
OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES 5800 FT. ELEVATION 5800 FT. ELEVATION
SAMPLE DESCRIPTION AND CONDITIONS
DATE/COLLECTOR..... 1952/09/18
TEMPERATURE (C)..... 25551.5
DISCHARGE..... 96718. L/MIN
PERMIT LITHOLOGY..... ALLUVIUM ADJACENT TO DEVONIAN NEVADA FORMATION

MAJOR ANALYSIS

ANALYSIS IN EPM

BA.... FE+3.... NA+K.... 1.5
CA+MG.... 4.6

ISOTOPES (U/001)

OTHER ANALYTICAL DATA... CL + SO₄ = 1.29 EPM

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, I.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... WIFFLIN, 1968

GEOTHERM SAMPLE FILE

RECORD 00322

NAME OF SAMPLE SOURCE... SHIPLEY HOT SPRING

GEOTHERM FILE NO: 0074154

LOCATION

IONSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 24N 052E 23 SE OF SE

LAT/LONG... 39-56.5 N 116-04.4 W

STATE..... NEVADA

COUNTY..... EUREKA

MAP REFERENCE..... GARDEF VALLEY 1162500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1963/04/16

TEMPERATURE (C)..... 34.4

DISCHARGE..... 0.10533.2L/MIN

MAJOR ANALYSIS

P..... 7.0

SPECIFIC CONDUCTANCE..... 529.

TOTAL DISSOLVED SOLIDS... 330.

CHARGE IMBALANCE (% DIFF)... 0.3

ANALYSIS IN MG/L

AG....

CO3..... N

AL....

CR.....

B..... 0.1

F..... 0.5

MG.... 21.

BE....

FE(TOT)... N

NA.... 30.

SI02... 30.

CA.... 55.

MG03.... 288.

NH....

SO4... 35.

CL.... 17.

CO....

K..... 0.

NO3... 0.6

OTHER ANALYTICAL DATA... RSC = 0.255 SAR = 0.8 SAR = 0.8

QUALIFICATION FIELD... FLOW ON 10/19/66

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... HARRILL, 1968

RECORD 00323

GEOTHERM SAMPLE FILE

GEOTHERM FILE NO: 0001018

NAME OF SAMPLE SOURCE... SHIPLEY HOT SPRINGS

WATER NUMBER..... 918

LOCATION

COUNTRY..... UNITED STATES

STATE..... NEVADA

COUNTY..... EUREKA

GEOLOGIC PROVINCE... 23

MAP REFERENCE..... GARDEN VALLEY 1:62500

SHIP-RANGE

24N 052E 23 SE

COORDINATES

LAT/LONG... 39-56.5 N 116-04.4 W

DATE/COLLECTION..... 1952/09/18 SIMMONS, G.C.

TEMPERATURE (C)..... 32.2

DISCHARGE..... 75500

OTHER SAMPLE INFORMATION.. CLEAR WHEN COLLECTED AND ANALYZED

ANALYSIS

DATE/ANALYST..... 1955/04/13

PH..... 7.2

SPECIFIC CONDUCTANCE..... 340.

ALKALINITY..... AS CaCO3

TOTAL DISSOLVED SOLIDS... 346.

ANALYSIS IN PPM

AG....	CO3..... N	LI....	N
AL....	CL.....	MG....	21.
AS....	CS.....	MN....	N
B....	F.....	NA....	29.
BR....	FE(TOT).....	SI02..	46.
CA....	HCO3.....	SO4... 35.	
CO....	H2S.....	NO3... N	
CU....	K.....	PO4... 0.1	
FE....			
NI....			
PN....			
SE....			
SR....			
TH....			
TI....			
VA....			
ZN....			

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... FAKIN, 1962A

ISOLOPES 10/10/1

RECORD 00324

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SIRI MANCH SPRING

WATER NUMBER..... 91A

LOCATION

COUNTRY..... UNITED STATES

STATE..... NEVADA

COUNTY..... EUREKA

GEOLOGIC PROVINCE..

MAP REFERENCE..... GARDEN VALLEY 1:62500

SHIP-RANGE

24N 053E 06 NW OF SW

COORDINATES

LAT/LONG... 39-59.2 N 116-02.7 W

UTM ZONE... 11

NORTHING... 4426504.

Easting... 581537.

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 36.6

DISCHARGE..... 1136. L/MIN

PERTINENT LITHOLOGY..... ALLUVIUM

OTHER SAMPLE INFORMATION.. WATER USED FOR IRRIGATION

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WATKINS, 1965

GEOTHERM FILE 101 0074703

RECORD 00325

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074102

NAME OF SAMPLE SOURCE... SINI RANCH SPRING

LOCATION

LOANSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 24N 053E 06 NW OF SA

STATE..... NEVADA

COUNTY..... EUREKA

GEOLOGIC PROVINCE..

MAP REFERENCE..... GARDEN VALLEY 1162500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES. SMALL POOL IN ALLUVIUM ABOUT 1 MILE EAST OF DEVONIAN NEVADA FORMATION. ELEVATION 5800 FT. SMALL POOL IN ALLUVIUM ABOUT 1 MILE EAST OF DEVONIAN NEVADA FORMATION. ELEVATION 5800 FT.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1966/07/11

TEMPERATURE (C)..... 31.7

DISCHARGE..... E 662.4 L/MIN

WATER ANALYSIS

ANALYSIS IN CMH

HA.....

FE+3.....

NA+K.....

U+76

CA+MG..... 4.0

OTHER ANALYTICAL DATA... CL + SO4 = 1.89 EPM.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.

COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WIFFLIN, 1968

ISOTOPES (0/00)

RECORD 00326

GEOTHERM FILE ID: 0074159

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SINI RANCH SPRING (WATER WELL)

LOCATION

LOANSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 24N 053E 06 SW OF NE

STATE..... NEVADA

COUNTY..... EUREKA

GEOLOGIC PROVINCE.. 23

MAP REFERENCE..... GARDEN VALLEY 1162500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1966/05/05

TEMPERATURE (C)..... 35.0

WATER ANALYSIS

P1..... 8.0

SPECIFIC CONDUCTANCE..... 449.

TOTAL DISSOLVED SOLIDS..... 276.

CHARGE IMBALANCE (8 DIFF)..... 1.5

ANALYSIS IN MG/L

AG.....

CO3.....

AL.....

CR.....

H..... N

F..... 0.4

HE.....

FE(TOT)..... N

CA..... 51.

MCO3..... 255.

CL..... 10.

MG..... 20.

NA..... 15.

SI02..... 25.

SO4..... 25.

NH.....

NO3..... 0.5

CO.....

K..... 3.4

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... SAR = 0.4

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... HARRILL, 1968

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SMALL GEYSER (BEOWAWE)

LOCATION

COUNTRY..... UNITED STATES 31N 048E 17 NW
 STATE..... NEVADA
 COUNTY..... EUREKA
 MAP REFERENCE..... DUMPHY 1162500

COORDINATES

LAT/LONG... 40-33.4 N 116-35.2 W

OTHER LOCALITY INFORMATION: IN SOUTHEASTERN WHIRLWIND VALLEY ABOUT 6 MILES SW OF BEOWAWE.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1932/08/26 NOLAN AND ANDERSON
 POINT OF COLLECTION.. FROM SMALL GEYSER SOUTH OF WESTERMOST 3 FT. GEYSER.
 TEMPERATURE (C)..... 76.5

PERTINENT LITHOLOGY..... SINTER TERRACES ADJACENT TO BASALTS.

OTHER SAMPLE INFORMATION.. SEVERAL SPECIES OF DIATOMS LIVE IN THE WARM POOLS. GEYSERS ARE INTERMITTENT WITH FUMEROLE ACTIVITY.

WATER ANALYSIS

DATE/ANALYST..... ALLEN, E.T.

TOTAL DISSOLVED SOLIDS... 1208.

ANALYSIS IN PPM

AG.....	CO3.....	173.				
AL..... N	CR.....		MG...	N		
AS..... N						
B..... 7.	F.....	11.	NA...	239.	SI02.	449.
BE.....	FE(TOT). T		NB...		SO4..	97.
BI.....	GA.....		NH4..	4.		
CA..... 2.	HC03.....	129.				
CD.....	H2S..... N					
CL..... 47.						
CO.....	K.....	33.				

ISOTOPIES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NOLAN AND ANDERSON, 1934

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SPRING

LOCATION

COUNTRY..... UNITED STATES 28N 049E 10 NW OF NW NE
 STATE..... NEVADA
 COUNTY..... EUREKA
 GEOLOGIC PROVINCE.. 23
 MAP REFERENCE..... FRENCHIE CREEK 1162500

COORDINATES

LAT/LONG... 40-18.9 N 116-25.9 W

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1940/00/00
 TEMPERATURE (C)..... 85.5
 DISCHARGE..... 0.5 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GANSIDE AND SCHILLING, 1979

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SULFUR SPRINGS AREA
 WELP NUMBER..... 91C

RECORD 00329
 GEOTHERM FILE ID: 0074738

LOCATION

COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... EUREKA
 GEOLOGIC PROVINCE.. 23
 MAP REFERENCE..... GARDEN VALLEY 1162500

COORDINATES

LAT/LONG... 39-50.1 N 116-03.97 W
 UTM ZONE... 11
 NORTHING... 4409652.
 579906.

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 23.3
 DISCHARGE..... 75.7 L/MIN

PERTINENT LITHOLOGY..... ALLOUVIUM NEAR FAULTED PALEOZOIC STRATA

OTHER SAMPLE INFORMATION.. SEVERAL SPRINGS USED FOR IRRIGATION

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... WAKING, 1965

RECORD 00330

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... THOMPSON RANCH SPRINGS (JACOBSON RANCH SPRINGS)
 WELP NUMBER..... 91D

GEOTHERM FILE ID: 0074737

LOCATION

COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... EUREKA
 GEOLOGIC PROVINCE.. 23
 MAP REFERENCE..... DIAMOND SPRINGS 1162500

COORDINATES

LAT/LONG... 39-53.95 N 115-52.1 W
 UTM ZONE... 11
 NORTHING... 4416969.
 590744.

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES. ELEVATION 5840 FT. ELEVATION 5840 FT.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1966/07/11
 TEMPERATURE (C)..... 24.

DISCHARGE..... 3407. L/MIN

PERTINENT LITHOLOGY..... ALLOUVIUM ADJACENT TO PERMIAN, LEONARDIAN LS.

OTHER SAMPLE INFORMATION.. SEVERAL SPRINGS USED FOR IRRIGATION.

WATER ANALYSIS

ANALYSIS
 BA....
 CA+MG. 5.0
 FE+3....
 NA+K. 1.14

ISOTOPE (0/00)

OTHER ANALYTICAL DATA... CL + SO4 = 1.47

QUALIFICATION FIELD.... TEMPERATURE LISTED IS A MAXIMUM - GIVEN AS 71-75 F.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MIFFLIN, 1968

RECORD 00331

GEOTHERM FILE ID: 0074883

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... VULCAN WELL NO. 2
 LOCATION
 COUNTRY..... UNITED STATES 32N 048E 17
 STATE..... NEVADA
 COUNTY..... EUREKA
 GEOLOGIC PROVINCE..
 MAP REFERENCE..... INNEMUCCA 1:250000, DUNPHY 1:62500

COORDINATES

LAT/LONG... 40-40.0 N 116-25.0 W
 UTM ZONE... 11
 NORTHING... 4501627
 EASTING... 535217

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1963/04/06

TEMPERATURE (C)..... 132

OTHER SAMPLE INFORMATION.. REFERENCE CONTAINS ADDITIONAL DATA ON TRACE ELEMENT CHEMISTRY, WELL DATA, AND
 NON-CONDENSABLE GAS ANALYSIS.

WATER ANALYSIS

P..... 9.3

SPECIFIC CONDUCTANCE..... 600

TOTAL DISSOLVED SOLIDS... 855

ANALYSIS IN PPM

AG..... CO3..... 168

H..... 1. F..... 6

HE..... FE(TOT).....

HCO3..... 41

H2S..... 6.1

CL..... 50

CO..... K..... 9

ISOTOPES (0/00)

QUALIFICATION FIELD..... TEMPERATURE MEASURED AT WELL HEAD.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... CUSNER AND APPS, 1978

RECORD 00332

GEOTHERM FILE ID: 0016504

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... VULCAN 2 - SIERRA PACIFIC POWER CO. WELL
 LOCATION
 COUNTRY..... UNITED STATES 32N 048E 17 SE OF SW NE
 STATE..... NEVADA
 COUNTY..... EUREKA
 MAP REFERENCE..... DUNPHY 1:62500

COORDINATES

LAT/LONG... 40-33.5 N 116-35.8 W

OTHER LOCALITY INFORMATION: 2280 FT. S, 1180 FT. E. FROM NW CORNER.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1963/04/06

SIMPLE NUMBER..... VULCAN 2A, VULCAN 2B, VULCAN 2C

POINT OF COLLECTION.. WELLHEAD

TEMPERATURE (C)..... 132

DISCHARGE..... 1200 L/MIN

WATER ANALYSIS

DATE/ANALYST.....

P..... 9.30

SPECIFIC CONDUCTANCE..... 600

ABBOT A. HAWKS, INC.

ALKALINITY..... 279.

TOTAL DISSOLVED SOLIDS... 0.855.

ANALYSIS IN PPM

AG.... CO3.... 168.

AL.... 0.2

AS....

AU....

H.... 1.

HE....

CA....

CO....

CL.... 50.

CO....

CS....

CU.... 0.1

F.... 6.

FE(10T)....

HCO3.... 41.

H2S.... 6.1

K.... 9.

LI... 1

MN... 0.1

NA... 214.

NB...

NO3...

PO4...

ISOTOPES (U/00)

SI02. 329.

S04.. 89.

TI... L 0.1

V.... L 0.1

CONDENSATE ANALYSIS

DATE/ANALYST..... 1963/04/06

PH..... 5.20

TOTAL DISSOLVED SOLIDS... 0.2

ANALYSIS IN PPM

AS...

H.... 0.3

CL.... 1.2

CO3..

HCO3.

HG...

H2S.. 14.

NA... 0.4

NH4.. 8.5

SI02. 0.6

S04.. 2.7

ISOTOPES (U/00)

GAS ANALYSIS

DATE/ANALYST..... 1963/04/06

ANALYSIS IN VOLUME %

CH4.. 0.39

CO2.. 98.

H2S.. 0.93

ISOTOPES (U/00)

OTHER ANALYTICAL DATA... CONDENSATE CO2=71. - NONCONDENSABLE GAS NH3=1.06

QUALIFICATION FIELD..... FLOW RATE CORRECTED FOR FLASHING. IDS EVAPORATED AT 105 DEG C.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SILVA, CHRISTOPHER L.

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... CUSHEN AND APPS, 1978

RECORD 00333

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... VULCAN 3 - SIERRA PACIFIC POWER CO.

LOCATION..... BEOWAWE KGRA

LOCATION

COUNTRY..... UNITED STATES

TOWNSHIP-RANGE

32N 048E 17 SE OF SW NE

STATE..... NEVADA

COUNTY..... EUREKA

MSP REFERENCE..... DUNPHY 1:62500

OTHER LOCALITY INFORMATION: 2180 FT. S. 1530 E. FROM NW CORNER.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1963/04/09

SAMPLE NUMBER..... VULCAN 3A, VULCAN 3B, VULCAN 3C

POINT OF COLLECTION.. WELLHEAD

TEMPERATURE (C)..... 134.

DISCHARGE..... 2340. L/MIN

ANALYSIS

DATE/ANALYST.....

PH..... 9.30.

ABBOT A. HANKS, INC.

GEO THERM FILE NO: 0016505

COORDINATES

LAT/LONG... 40-33.5 N 116-35.6 W

SPECIFIC CONDUCTANCE..... 600.

ALKALINITY..... 281.

TOTAL DISSOLVED SOLIDS... 0 865.

ANALYSIS IN PPM

AG....

CO3..... 172.

LI... 1

ISOTOPES (0/00)

AL.... 0.3

AS....

CS.....

MN... L 0.1

AU....

CU..... L 0.1

B.... 1.5

F..... S.

NA... 220.

SI02. 329.

FE....

FE(TOT).

NO...

S04.. 91.

HI....

GA.....

NH4.. 3.2

CA....

HCO3.... 20.

NO3..

TI... L 0.1

CD....

H2S..... 5.9

PU4..

V.... L 0.1

CL.... 66.

CO....

K..... 10.

CONDENSATE ANALYSIS

P1..... 5.20

TOTAL DISSOLVED SOLIDS... 0 2.

ANALYSIS IN PPM

AS...

H2S.. 11.

ISOTOPES (0/00)

B.... 0.1

CL... 0.2

CO3..

NA... 3.2

HCO3.

NH4.. 7.4

HG....

SI02. 0.3

S04.. 0.2

GAS ANALYSIS

ANALYSIS IN VOLUME %

CH4.. 0.31

H2S.. 0.69

ISOTOPES (0/00)

CO2.. 99.

OTHER ANALYTICAL DATA... CONDENSATE CO2=67.8 NH3 NONCONDENSABLE GAS= .88

QUALIFICATION FIELD... TOTAL DISSOLVED SOLIDS EVAPORATED AT 105 C. FLOW RATES CORRECTED FOR FLASHING.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SILVA, CHRISTOPHER L.

COMPILED AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... CUSNER AND APPS, 1978

RECORD 00334

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... VULCAN 4 - SIERRA PACIFIC POWER CO.

GEO THERM FILE NO: 0016506

KURA..... REOWANE KURA

LOCATION

COUNTRY..... UNITED STATES

TOWNSHIP-RANGE
32N 048E 17

STATE..... NEVADA

COUNTY..... ELMEKA

MAP REFERENCE..... DUNPHY 1:62500

COORDINATES

LAT/LONG... 40-33.5 N 116-33.8 W

OTHER LOCALITY INFORMATION: 2690 FT. S. 1850 FT. E. FROM NW CORNER.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1963/04/11

SAMPLE NUMBER..... VULCAN 4A, VULCAN 4B, VULCAN 4C

POINT OF COLLECTION.. WELLHEAD

TEMPERATURE (C)..... 133.

DISCHARGE..... 3120. L/MIN

WATER ANALYSIS

DATE/ANALYST.....

ABBOT A. MANKS, INC.

P1..... 9.30

SPECIFIC CONDUCTANCE..... 590.

ALKALINITY..... 283.

TOTAL DISSOLVED SOLIDS... 0 865.

ANALYSIS IN PPM

AG.... CO3..... 218.

AL.... 0.2

AU.... CU..... L 0.1

B.... F..... 7.

HE.... FE(TOT).....

HI.... GA.....

CA.... HCO3..... 15.

CO.... H2S..... 5.8

CL.... 61.

CO.... K..... 12.

CONDENSATE ANALYSIS

P..... 5.10

TOTAL DISSOLVED SOLIDS... 0 4.8

ANALYSIS IN PPM

AS....

B.... 0.1

CL.... 0.3

CO3..

HCO3.

HG....

AS ANALYSIS

ANALYSIS IN VOLUME PERCENT

CH4... 0.3

CO2... 97.

OTHER ANALYTICAL DATA... CONDENSATE CO2=90. -- NONCONDENSABLE GAS NH3=1.1

QUALIFICATION FIELD..... TOTAL DISSOLVED SOLIDS EVAPORATED AT 105 C

REFERENCE AND IDENTIFICATION

COMPILED BY..... SILVA, CHRISTOPHER L.

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... COSNER AND APPS, 1978

ISOTOPIES (0/00)

LI... I

NA... 247.

NB... 8.5

NH4..

SI02.. 325.

S04.. 80.

ISOTOPIES (0/00)

H2S.. 12.

NA... 0.3

NH4.. 9.5

SI02.. 0.2

S04.. 2.5

ISOTOPIES (00/01)

H2S.. 1.0

RECORD 00335

GEOHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... WALT1 HOT SPRINGS

LOCATION

COUNTRY..... UNITED STATES

STATE..... NEVADA

COUNTY..... EUREKA

MAP REFERENCE..... WALT1 HOT SPRINGS 1:62500

OTHER LOCALITY INFORMATION: 52 MT. S OF BEUWANE

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1954/08/11 ROBERTS, RALPH J.

TEMPERATURE (C)..... 71.0

AS ANALYSIS

P..... 7.0

SPECIFIC CONDUCTANCE..... 609.

ALKALINITY.....

TOTAL DISSOLVED SOLIDS... 435.

ANALYSIS IN PPM

AG....

AL....

CO3.....

CR.....

AS CAC03

LI... N

MG... 16.

COORDINATES

LAT/LONG... 39-44. N 116-35.2 W

GEOHERM FILE ID: 0000910

ISOTOPIES (0/00)

B..... 0.21 Fe..... 2.8 NA... 51. SiO2. 73.
 BE..... FE(TOT) 0.02 NB... 504.. 67.
 CA..... 56. HCO3.... 288. NO3.. 0.3
 CL..... 12. K..... 15.
 CO.....

OTHER ANALYTICAL DATA... B=0.14% OF EQ. NA 33%

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... WHITE, DONALD, U.S.G.S.

RECORD 00336

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0000639

NAME OF SAMPLE SOURCE... WALTI HOT SPRINGS
 LOCATION
 COUNTRY..... UNITED STATES 24N 048E 33 SW
 STATE..... NEVADA
 COUNTY..... EUREKA
 GEOLOGIC PROVINCE... 23
 MAP REFERENCE..... WALTI HOT SPRINGS 1:62500

COORDINATES

LAT/LONG... 39-54.1 N 116-35.22 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP
 TEMPERATURE (C)..... 72.0
 DISCHARGE..... 300. L/MIN
 WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETRE MEMBRANE FILTER, DILUTED
 DEPOSITS OR ALTERATION.... CALC3 APRON DEPOSITED.
 PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM, LT. MESEZOIC TO EARLY CENOZOIC GRANITE, AND PALEOZOIC SEDIMENTS

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP
 P..... 6.5
 SPECIFIC CONDUCTANCE..... 592.
 ALKALINITY..... 264. AS HCO3
 CHARGE IMBALANCE (% DIFF)... 0.2

ANALYSIS IN MG/L

AG....	CO3....	L 1.	LI....	0.3	S....	
AL.... 0.005	CR....		MG....	12.	SB....	
AS.... 0.02	CS....	L 0.1	MN....	L 0.02		
AU....	CU....	0.07				
B.... 0.12	F....	2.5	NA....	44.	SiO2.	66.
BE....	FE(TOT) L	0.02	NB....		SO4..	64.
BI....	GA....		NH4..	0.103	SR....	0.6
BR.... 0.05						
CA.... 56.	HCO3....	264.				
CA+MG.	MG....	L 0.0001				
CD....	H2S....		PO4..	0.03		
CL.... 12.	I....	0.007				
CO....	K....	14.	RB....	0.08		

ISOTOPES (0/00)

DEL D OF WATER..... -129.8
 DEL D(18) OF WATER... -16.87

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... MARINER AND OTHERS, 1974B; MARINER AND OTHERS, 1975

RECORD 00337

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074259

NAME OF SAMPLE SOURCE... WALT HOT SPRINGS
 LOCATION
 COUNTRY..... UNITED STATES 24N 048E 33 SW
 STATE..... NEVADA
 COUNTY..... EUREKA
 MAP REFERENCE..... WALT HOT SPRINGS 1162500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES 5640 FT. ELEVATION 5600 FT. ELEVATION
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1965/06/17
 TEMPERATURE (C)..... E 3395.5
 DISCHARGE..... 12851. L/MIN
 PERTINENT LITHOLOGY..... MOUNTAIN FRONT FAULT ADJACENT TO DEVONIAN NEVADA FORMATION
 WATER ANALYSIS
 ANALYSIS IN EPM
 BA.... FE+3.... NA+K. 3.04
 CA+MG. 3.82
 OTHER ANALYTICAL DATA... CL + SO4 = 1.75 EPM.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MIFFLIN, 1968

ISOTOPES (0/00)

RECORD 00338

GEOTHERM FILE ID: 0074282

 GEOTHERM SAMPLE FILE
 NAME OF SAMPLE SOURCE... WALT HOT SPRINGS
 LOCATION
 COUNTRY..... UNITED STATES 24N 048E 33 SW
 STATE..... NEVADA
 COUNTY..... EUREKA
 MAP REFERENCE..... WALT HOT SPRINGS 1162500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1965/06/17
 TEMPERATURE (C)..... 71.1
 WATER ANALYSIS
 PH..... 7.1
 SPECIFIC CONDUCTANCE..... 609.0
 ANALYSIS IN PPM
 AG.... CO3.... N
 AL.... CR.... MG.... 12.
 BA.... FE+3.... NA+K. 70.
 HE.... FE(TOT). ND....
 CA.... 57. HCO3.... 315. SO4.. 65.
 CL.... 14.
 OTHER ANALYTICAL DATA... SAR = 2.2, RSC = 1.3
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... EVERETT AND RUSH, 1966

ISOTOPES (0/00)

RECORD 00340

GEOTHERM FILE ID: 000000

 GEOTHERM SAMPLE FILE
 NAME OF SAMPLE SOURCE... WALT HOT SPRINGS
 LOCATION
 TOWNSHIP-RANGE
 COORDINATES

COUNTRY..... UNITED STATES 24N 048E 33 SE
STATE..... NEVADA
COUNTY..... EUREKA
MAP REFERENCE..... WALT HOT SPRINGS 1162500
OTHER LOCALITY INFORMATION: 52 MI. S. OF BEOWANE
SAMPLE DESCRIPTION AND CONDITIONS
DATE/COLLECTOR..... 1952/09/16 SIMMONS, G. C.
TEMPERATURE (C)..... 72.7
OTHER SAMPLE INFORMATION.. CLEAR WHEN COLLECTED AND ANALYZED.

WATER ANALYSIS

DATE/ANALYST..... 1955/04/13 MITCHELL, C.G.

PH..... 6.9

SPECIFIC CONDUCTANCE..... 594.

ALKALINITY.....

TOTAL DISSOLVED SOLIDS... 428.

ANALYSIS IN PPM

AG.... CO3..... H

AL.... CR.....

AS.... CS.....

B.... 0.17 F..... 2.4

FE.... FE(TOT)... 0.02

CA.... 61. HCO3.... 282.

CU.... H2S.....

CL.... 13.

CO.... N..... 15.

AS CAC03

ISOTOPIES (0/00)

LI... N

MG... 13.

MN... N

NA... 48.

NB... 62.

VO3... 0.1

PU4... N

S102.

S04.. 62.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... RUBENIS AND OTHERS, 1967

RECORD 00340

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... ARTESIAN WELL

LOCATION

COUNTRY..... UNITED STATES

STATE..... NEVADA

COUNTY..... HUMBOLDT

MAP REFERENCE..... BLISS 1162500

OTHER LOCALITY INFORMATION: 5.6 MILES NWE OF BLISS, NEV.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1961/08/10

TEMPERATURE (C)..... 70.0

WELL DEPTH (M)..... 18.6

DISCHARGE..... 29. L/MIN

WATER ANALYSIS

PH..... 7.4

SPECIFIC CONDUCTANCE..... 1900.

TOTAL DISSOLVED SOLIDS... 1190.

CHARGE IMBALANCE (8 DIFF)... 2.4

ANALYSIS IN PPM

AG.... CO3..... N

AL.... CR.....

AS.... F.....

FE.... FE(TOT)... 1240.

CA.... 30. HCO3....

MG... 7.1

NA... 450.

NB...

S04.. 52.

ISOTOPIES (0/00)

CL.... 14.
 CO.... K..... 26.
 OTHER ANALYTICAL DATA... SAR = 1.92
 QUALIFICATION FIELD... SAR = 19.2
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... CUMEN, 1952

RECORD 00341

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... ARTESIAN WELL

LOCATION

TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 37N 039E 03 SW OF SE

COORDINATES

LAT/LONG... 41-06.33 N 117-34.22 W

GEOTHERM FILE ID: 0074379

STATE..... NEVADA

COUNTY..... HUMBOLDT

MAP REFERENCE... BLISS 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1962/04/28

TEMPERATURE (C)..... 58.3

WELL DEPTH (M)..... 19.

DISCHARGE..... 29. L/MIN

SAR ANALYSIS

P..... 7.7

SPECIFIC CONDUCTANCE..... 1900.

ANALYSIS IN PPM

AL.... 1.4 CR.... MG... 11.

H.... 1.4

HE.... FE (AT). VB... S04... 71.

CA.... 26. HCO3.... 1230.

CL.... 16.

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... SAR = 19. RSC = 17.98

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... HAMRILL AND MOORE, 1970

RECORD 00342

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BALTAZAR HOT SPRINGS

LOCATION

TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 46N 028E 13 NE OF SE NW

COORDINATES

LAT/LONG... 41-55.21 N 118-42.52 W

GEOTHERM FILE ID: 0000577

STATE..... NEVADA

COUNTY..... HUMBOLDT

MAP REFERENCE... DEWID 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP

TEMPERATURE (C)..... 80.0

DISCHARGE..... 100. L/MIN

WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETRE MEMBRANE FILTER, DILUTED

DEPOSITS OR ALTERATION... TRACES OF CaCO3 AND SILICA DEPOSITS

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM, TERTIARY VOLCANIC ROCKS, CRETACEOUS TO TERTIARY GRANODIORITE

SAR ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

P..... 8.0
SPECIFIC CONDUCTANCE..... 947.
ALKALINITY..... 143.

AS HCO3

ANALYSIS IN MG/L

AG.....	CO3.....	2.0	LI.....	S.....
AL.....	CA.....		MG.....	L 0.1
AS.....	0.07	CS.....	L 0.1	MN.....
AU.....		CU.....	L 0.01	L 0.02
H.....	2.9	F.....	7.1	NA.....
HE.....		FE(TOT).....	L 0.02	180.
HR.....	2.			ND.....
CA.....	8.4	HCO3.....	143.	SI02.....
CO.....		H2S.....		100.
CL.....	48.	I.....	0.03	SO4.....
CO.....		K.....	8.7	220.
			PO4.....	0.21
			NB.....	0.06

ISOLUPES 10/2001

DEL D OF WATER..... -125.3
DEL VTH OF WATER..... -15.26

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
COMPILER AFFILIATION..... U.S. GEOLOGICAL SURVEY
REFERENCE..... MARINER AND OTHERS, 1974B; MARINER AND OTHERS, 1975

RECORD 00343

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BALTAZAR HOT SPRINGS (CONTINENTAL HOT SPRING)

GEOTHERM FILE ID: 0074238

LOCATION

COUNTRY..... UNITED STATES

LOUISIANA-RANGE

COORDINATES

STATE..... NEVADA

LAT/LONG... 41-55.21 N 118-42.52 W

COUNTY..... HUMBOLDT

MAP REFERENCE..... DENIO 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 93.5

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... GARSIE AND SCHILLING, 1979

RECORD 00344

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BALTAZAR HOT SPRINGS - CONTINENTAL HOT SPRINGS

GEOTHERM FILE ID: 0074237

WELL NUMBER..... 2

LOCATION

COUNTRY..... UNITED STATES

LOUISIANA-RANGE

COORDINATES

STATE..... NEVADA

LAT/LONG... 41-55.21 N 118-42.52 W

COUNTY..... HUMBOLDT

MAP REFERENCE..... DENIO 1:62500

OTHER LOCALITY INFORMATION: 0 MILES SW OF DENIO, NEV.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 71.1

DISCHARGE..... 75.7 L/MIN

DOMINANT LITHOLOGY..... INTRUSIVE GRANITE (JURASSIC)

OTHER SAMPLE INFORMATION... TWO SPRINGS

QUALIFICATION FIELD... TEMP. RANGE IS 54.4 - 87.7 C.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... VARIOUS 1965

RECORD 00345

GEOHEM SAMPLE FILE

GEOHEM FILE ID: 0074384

NAME OF SAMPLE SOURCE... BLACK ROCK HOT SPRING

LOCATION

LODGE-POLE

COORDINATES

COUNTRY..... UNITED STATES 36N 026E 34 NW OF NW

STATE..... NEVADA

COUNTY..... HUMBOLDT

GEOLOGIC PROVINCE...

MAP REFERENCE..... BLACK ROCK POINT WEST, NEV. 1:24000

OTHER LOCALITY INFORMATION: AREA IS UNSURVEYED.

LAT/LONG... 40-58.30 N 119-00.6 W

UTM ZONE... 11

NORTHING... 4536596.

331278.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 50.5

WATER ANALYSIS

PH..... 7.5

SPECIFIC CONDUCTANCE..... 2050.

TOTAL DISSOLVED SOLIDS... 1330.

CHARGE IMBALANCE (% DIFF)... 13.3

ANALYSIS IN MG/L

ISOTOPES (O/001)

AG.... CO3..... N

AL.... CR.....

B.... 2.0 F..... 9.

HE.... FE(TOT)... 902.

CA.... 24. HCO3..... 12.

CL.... 180.

CO....

MG... 0.19

NA... 570. SI02. 70.

NB... S04... 130.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GHUSE AND KELLER, 1975

RECORD 00346

GEOHEM FILE ID: 0074384

GEOHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... BLACK ROCK HOT SPRINGS

LOCATION

LODGE-POLE

COORDINATES

COUNTRY..... UNITED STATES 36N 026E 34 NW OF NW

STATE..... NEVADA

COUNTY..... HUMBOLDT

MAP REFERENCE..... BLACK ROCK POINT WEST, NEV. 1:24000

LAT/LONG... 40-58.2 N 119-00.6 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1961/05/03

TEMPERATURE (C)..... 57.8

DISCHARGE..... 715. L/MIN

WATER ANALYSIS

PH..... 7.9

SPECIFIC CONDUCTANCE..... 2050.

TOTAL DISSOLVED SOLIDS... 1330.

CHARGE IMBALANCE (% DIFF)... 0.9

ANALYSIS IN PPM

ISOTOPES (O/001)

AG.... CO3..... N

AL.... CR.....

B.... 2.0 F..... 8.9

HE.... FE(TOT)... 130.

MG... 1.9

NA... 440. SI02. 62.

NB... S04... 130.

REFERENCE..... MARINO, 1965

RECORD 00345

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BLACK ROCK HOT SPRING

LOCATION

COUNTRY..... UNITED STATES 36N 026E 34 NW 0F NW

STATE..... NEVADA

COUNTY..... HUMBOLDT

GEOLOGIC PROVINCE...

MAP REFERENCE..... BLACK ROCK POINT WEST, NEV. 1:24000

OTHER LOCALITY INFORMATION: AREA IS UNSURVEYED.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 50.5

WATER ANALYSIS

PH..... 7.5

SPECIFIC CONDUCTANCE..... 2050.

TOTAL DISSOLVED SOLIDS... 1330.

CHARGE IMBALANCE (% DIFF)... 13.3

ANALYSIS IN MG/L

AG..... CO3..... N

AL..... CR.....

B..... 2.0 F..... 9.

HE..... FE(TOT)... 902.

CR..... 2.0 MC03.....

CL..... 180.

CO..... N..... 12.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GRUSE AND KELLER, 1975

COORDINATES

LAT/LONG... 40-58.30 N 119-00.6 W

UTM ZONE... 11

NORTHING... 4536526.

331278.

ISOTOPES (U/100)

MG... 0.19
NA... 570.
NB... 70.
SI02... 70.
S04... 130.

RECORD 00346

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BLACK ROCK HOT SPRINGS

LOCATION

COUNTRY..... UNITED STATES 36N 026E 34 NW 0F NW

STATE..... NEVADA

COUNTY..... HUMBOLDT

MAP REFERENCE..... BLACK ROCK POINT WEST, NEV. 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1961/05/03

TEMPERATURE (C)..... 57.8

DISCHARGE..... 715. L/MIN

WATER ANALYSIS

PH..... 7.9

SPECIFIC CONDUCTANCE..... 2050.

TOTAL DISSOLVED SOLIDS... 1330.

CHARGE IMBALANCE (% DIFF)... 0.9

ANALYSIS IN PPM

AG..... CO3..... N

AL..... CR.....

B..... 2.0 F..... 8.9

HE..... FE(TOT)... 902.

ISOTOPES (U/100)

MG... 1.9
NA... 486.
NB... 62.
SI02... 62.
S04... 130.

GEOTERM FILE 101 0074384

COORDINATES

LAT/LONG... 40-58.2 N 119-00.6 W

CA.... 18. HCO3.... 902. NO3.. 0.2
 CL.... 155.
 CO.... K..... 13.
 OTHER ANALYTICAL DATA... SAR = 2.93. RSC = 13.8
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... SINCLAIR, 1963A

RECORD 00347

GEOHEM SAMPLE FILE

GEOHEM FILE ID: 0074710

NAME OF SAMPLE SOURCE... RLM WELL
 LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE 36N 03E 26 SW OF NE SE COORDINATES
 STATE..... NEVADA LAT/LONG... 40-57.85 N 117-39.67 W
 COUNTY..... HUMBOLDT
 GEOLOGIC PROVINCE.. 22
 MAP REFERENCE..... WINNEMUCCA 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1961/07/27
 TEMPERATURE (C)..... 22.8
 WELL DEPTH (M)..... 16.8

WATER ANALYSIS

PH..... 8.0
 SPECIFIC CONDUCTANCE..... 1020.
 TOTAL DISSOLVED SOLIDS... 536.
 CHARGE IMBALANCE (% DIFF)... 0.6
 ANALYSIS IN PPM

ISOTOPES (0/00)

AG....	CO3.....				
AL....	CH.....	MO....	30.		
H.... 0.1	F.....	NA....	42.	SI02.	10.
HE....	FE(TOT)...	NB....		SO4..	85.
CA.... 152.	HCO3....	NO3..	2.9		
CL.... 170.					
CO....	K.....				

OTHER ANALYTICAL DATA... SAR = 0.9
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... COHEN, 1962

RECORD 00348

GEOHEM SAMPLE FILE

GEOHEM FILE ID: 0074431

NAME OF SAMPLE SOURCE... BLOSSUM HOT SPRINGS (HOT PUT)
 WELP NUMBER..... 19A
 LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE 35N 04E 10 NE OF NE SW COORDINATES
 STATE..... NEVADA LAT/LONG... 40-55.37 N 117-06.00 W
 COUNTY..... HUMBOLDT
 MAP REFERENCE..... HOT PUT 1:24000
 SAMPLE DESCRIPTION AND CONDITIONS
 TEMPERATURE (C)..... 41.7
 DISCHARGE..... 265. L/MIN

CA.... 18. HCO3.... 902. NO3... 0.2
CL.... 155.
CO.... K..... 13.

OTHER ANALYTICAL DATA... SAR = 2.93, RSC = 13.8

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... SINCLAIR, 1963A

RECORD 00347

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... RLM WELL

GEOTHERM FILE ID: 0074710

LOCATION

COUNTRY..... UNITED STATES
STATE..... NEVADA
COUNTY..... HUMBOLDT
GEOLOGIC PROVINCE... 22
MAP REFERENCE..... WINEMUCCA 1:62500

TOWNSHIP-RANGE

36N 03E 26 SW OF NE SE

COORDINATES

LAT/LONG... 40-57.85 N 117-39.67 W

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1961/07/27
TEMPERATURE (C)..... 22.8
WELL DEPTH (M)..... 16.8

WATER ANALYSIS

pH..... 8.0
SPECIFIC CONDUCTANCE... 1020.
TOTAL DISSOLVED SOLIDS... 536.
CHARGE IMBALANCE (% DIFF)... 0.6
ANALYSIS IN PPM

AG.... CO3.....
AL.... Ca.....
H.... 0.1 Fe..... 0.3
HE.... FE(TOT)... 0.04
CA.... 1.2 HCO3.... 166.
CL.... 170.
CO.... K..... 3.5

NO3... 30.
NO... 42.
NO3... 2.9

SI02... 10.
SO4... 85.

ISOTOPES (D/H)

OTHER ANALYTICAL DATA... SAR = 0.9

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... COHEN, 1962

RECORD 00348

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... ALOUSUM HOT SPRINGS (HOT PUT)

GEOTHERM FILE ID: 0074431

WATER NUMBER..... 19A

LOCATION

COUNTRY..... UNITED STATES
STATE..... NEVADA
COUNTY..... HUMBOLDT
MAP REFERENCE..... HOT PUT 1:24000

TOWNSHIP-RANGE

35N 04E 10 NE OF NE SW

COORDINATES

LAT/LONG... 40-55.37 N 117-06.00 W

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 41.7
DISCHARGE..... 265. L/MIN

OTHER SAMPLE INFORMATION... SPRING RISES IN BROAD DEEP POOL. WATER SUPPLY FOR

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... WARING, 1965

RECORD 007451

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 007451

NAME OF SAMPLE SOURCE... ROG HOT SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 46N 028E 18 SW OF NE NW
STATE..... NEVADA
COUNTY..... HUMBOLDT
GEOLOGIC PROVINCE...
MAP REFERENCE..... RAILROAD POINT 1162500
LAT/LONG... 41-55.37 N 118-48.30 W
350462.

OTHER LOCALITY INFORMATION: N. SIDE OF THOUSAND CREEK VALLEY, 6 MILES SW OF DENIO, NEV.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1974/J2/19
TEMPERATURE (C)..... 55.3
DISCHARGE..... 75.7 L/MIN

OTHER SAMPLE INFORMATION.. TWO SPRINGS; ASSOCIATED ROCKS ARE INTRUSIVE GRANITE (JURASSIC).

WATER ANALYSIS

PH..... 9.0
SPECIFIC CONDUCTANCE.... 386.
TOTAL DISSOLVED SOLIDS... 293.
CHARGE IMBALANCE (% DIFF)... 1.3

ANALYSIS IN PPM

ISOTOPIES (0/00)

AG.... L 0.02	CO3..... 22.	LI.... 0.051			
AL....	CR..... L 0.02	MU.... 0.02	SB.... L 0.1		
AS.... 0.0012	CS..... 0.26	MN.... 0.010			
AU....	CU..... L 0.01				
B....	F..... 2.1	NA.... 59.	SI02.. 60.		
BA.... L 0.04					
BE.... L 0.005	FE(TOT).. 0.09	NB....	SO4.. 47.		
BI....	GA.....	NH4.. L 0.2	SH... 0.005		
CA.... 0.14	HCO3.... 80.	NO3.. 1.6			
CA-MG..	HG..... L 0.0005	PB.... 0.06			
CD.... L 0.01	H2S.....	PU4.. 0.2			
CL.... 30.					
CO....	K..... 1.5	RB.... 0.021	ZN.... 0.602		

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... SANDERS AND MILES, 1974

RECORD 00350

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0000613

NAME OF SAMPLE SOURCE... ROG HOT SPRINGS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 46N 028E 18 SW OF NE NW
STATE..... NEVADA
COUNTY..... HUMBOLDT
GEOLOGIC PROVINCE.. 22
MAP REFERENCE..... RAILROAD POINT 1162500
LAT/LONG... 41-55.37 N 118-48.30 W
UTM ZONE... 11
NORTHING... 4642825.
350567.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP
 TEMPERATURE (C)..... 54.0
 DISCHARGE..... 4000. L/MIN
 WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETRE MEMBRANE FILTER, DILUTED
 PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM, PLEISTOCENE VOLCANICS AND SEDS.
 OTHER SAMPLE INFORMATION.. DEEP CIRCULATION OF METEORIC OR MIXED(?) WATER.

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

P1..... 9.1
 SPECIFIC CONDUCTANCE..... 356.
 ALKALINITY..... 138. AS HCO3

ANALYSIS IN MG/L

AG....	CO3.....	11.	LI....	0.03	S....
AL.... 0.016	CR.....		MG.... L	0.1	SH....
AS.... 0.02	CS..... L	0.1	NI.... L	0.02	
AU....	CU.....	0.01			
B.... 0.21	F.....	1.7	NA....	81.	SIO2.. 57.
BE....	FE(TOT)..	0.03	NB....		S04.. 45.
BI....	GA.....		NH4..	0.13	SR.... 0.05
BR.... 0.2					
CA.... 0.2	HCO3.....	116.			
CA+MG.	HS.....	0.0001			
CD.....	H2S.....		PO4..	0.21	
CL.... 15.	I..... L	0.01	RB.... L	0.02	
CO....	K.....	1.0			

ISOTOPE (0/00)

DEL D OF WATER..... -124.3
 DEL D(18) OF WATER... -15.30

GAS ANALYSIS

DATE/ANALYST..... 1974/00/00 BARNES GROUP

ANALYSIS IN VOLUME %

CH4.. L 1.
 C2H6.
 CO2.. L 1.

N2... 91.
 O2... 9.

ISOTOPE (00/00)

QUALIFICATION FIELD..... 02 = 02 = AR.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 COMPILER CROSS INDEX... NEM-362
 REFERENCE..... MARINER AND OTHERS, 1974B; MARINER AND OTHERS, 1975

RECORD 00351

GEOHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... RUGS HOT SPRINGS

GEOHEM FILE NO: 0074152

LOCATION

COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... HUMBOLDT
 MAP REFERENCE..... RAILROAD POINT 1:62500

TOWNSHIP-RANGE

46N 026E 18 SW OF NE NW

COORDINATES

LAT/LONG... 41-55.37 N 118-48.30 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1961/05/06
 TEMPERATURE (C)..... 55.6

DISCHARGE..... E 3785. L/MIN

OTHER SAMPLE INFORMATION.. TWO SPRINGS PROBABLY ASSOCIATED WITH AN ACTIVE FAULT.

WATER ANALYSIS

P1..... 8.4
 SPECIFIC CONDUCTANCE..... 345.

TOTAL DISSOLVED SOLIDS... 202.

CHARGE IMBALANCE (% DIFF)... 0.2

ANALYSIS IN PPM

AG.... CO3.... 6.

AL.... CR....

B.... 0.66 F.... 2.6

HE.... FE(TOT)...

CA... 0.4 HCO3.... 113.

CL.... 15.

CO.... R.... 0.6

MG... N

NA... 78.

NH... 51.

NO3... 0.5

SI02. 51.

SO4... 41.

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... SINCLAIR, 1963B

RECORD 00352

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BROOKS HOT SPRING

GEOTERM FILE 101 0074669

LOCATION

COUNTRY... UNITED STATES

TOWNSHIP-RANGE

34 N 04 E 13

NE OF NW NE

COORDINATES

LAT/LONG... 40-49.6 N 117-18.4 W

STATE... NEVADA

COUNTY... HUMBOLDT

MAP REFERENCE... BROOKS SPRING 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1959/00/00

TEMPERATURE (C)... 34.4

DISCHARGE... 1703.4 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY... KUENIG, H. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... BRADBERRY, 1964

RECORD 00353

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BROOKS SPRING

GEOTERM FILE 101 0074725

LOCATION

COUNTRY... UNITED STATES

TOWNSHIP-RANGE

34N 04E 13

NE OF NW NE

COORDINATES

LAT/LONG... 40-49.9 N 117-18.4 W

STATE... NEVADA

COUNTY... HUMBOLDT

GEOLOGIC PROVINCE... 22

MAP REFERENCE... BROOKS SPRING 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1978/09/28

TEMPERATURE (C)... 34.

OTHER SAMPLE INFORMATION... REFERENCE IS A MAP. CHEMISTRY NOT VERIFIED.

WATER ANALYSIS

PH... 7.0

SPECIFIC CONDUCTANCE... 1085.

CHARGE IMBALANCE (% DIFF)... 1.0

ANALYSIS IN PPM

AL....

B....

BE....

CA... 58.

CR....

F.... 1.7

FE(TOT)...

HCO3... 453.

MG... 16.

NA... 157.

NH...

SI02. 44.

SO4... 84.

ISOTOPES (0/00)

CL.... 34.
CO.... R..... 15.
QUALIFICATION FIELD.... BICARBONATE TITRATED WITHIN 24 HOURS OF SAMPLING.
REFERENCE AND IDENTIFICATION
COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
COMPILED CROSS INDEX... NR-11-11-10
REFERENCE..... THEILER AND OTHERS, 1979

RECORD 00354

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074701

NAME OF SAMPLE SOURCE... CALIFORNIA PACIFIC UTILITIES CO. WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 36N 03E 30 NE OF SW SE
STATE..... NEVADA
COUNTY..... HUMBOLDT
GEOLOGIC PROVINCE...
MAP REFERENCE..... WINNEMUCCA 1:250000, WINNEMUCCA 1:62500
OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1961/07/24
TEMPERATURE (C)..... 22.8
WELL DEPTH (M)..... 151.

WATER ANALYSIS

PH..... 7.9
SPECIFIC CONDUCTANCE..... 128.
TOTAL DISSOLVED SOLIDS... 452.
CHARGE IMBALANCE (% DIFF)... 3.8

ANALYSIS IN PPM

ISOTOPES (0/001)

AG....	CO3.....	4				
AL....	CR.....		MG...	19.		
BA.... 0.4	FE..... 0.3		NA....	60.	SI02.	51.
BE....	FE(TOT)...	4	NB....		SO4...	72.
CA.... 56.	HC03.... 250.		NO3...	0.3		
CL.... 58.						
CO....	R..... 6.5					

OTHER ANALYTICAL DATA... SAR = 5, RSC = 1.8

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, H. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... CUMENY 1962

RECORD 00355

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074707

NAME OF SAMPLE SOURCE... CANE SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 39N 02E 30
STATE..... NEVADA
COUNTY..... HUMBOLDT
GEOLOGIC PROVINCE... 22
MAP REFERENCE..... PALUTE MEADOWS 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1975/06/00
TEMPERATURE (C)..... 22.8

WATER ANALYSIS

PH..... 7.3
 SPECIFIC CONDUCTANCE..... 325.
 TOTAL DISSOLVED SOLIDS... 250.
 CHARGE IMBALANCE (% DIFF)... 51.7
 ANALYSIS IN MG/L

AG.... CO3..... N
 AL.... CR.....
 H.... 0.1 F..... 0.1 MG... 8.5
 HE.... FE(TOT)... NA... 15. SIJ2. 14.
 CA.... 23. HCO3.... 107. NO... S04.. 24.
 CL.... 32.
 CO.... K..... 10.

ISOTOPES (10/001)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GROSE AND KELLER, 1975b

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CAVE SPRING

RECORD 00356
 GEOTHERM FILE ID: 0074751

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE
 STATE..... NEVADA 39N 02E 30 NE
 COUNTY..... HUMBOLDT
 MAP REFERENCE..... PAUTE MEADOWS 1:240,000

COORDINATES

LAT/LONG... 41-15.48 N 118-56.17 W

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACURATE TO WITHIN 0.55 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1975/06/00
 TEMPERATURE (C)..... 23.5

WATER ANALYSIS

PH..... 8.1
 SPECIFIC CONDUCTANCE..... 264.
 TOTAL DISSOLVED SOLIDS... 186.
 CHARGE IMBALANCE (% DIFF)... 5.2
 ANALYSIS IN MG/L

AG.... CO3..... N
 AL.... CR.....
 H.... 0.3 F..... 0.3 MG... 0.2
 HE.... FE(TOT)... NA... 35. SIJ2. 30.
 CA.... 7. HCO3.... 120. NO... S04.. 15.
 CL.... 12.
 CO.... K..... 0.6

ISOTOPES (10/001)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GROSE AND KELLER, 1975b

RECORD 00357

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CAVE SPRING

GEOTHERM FILE ID: 0074760

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE
 STATE..... NEVADA 39N 02E 30 NE

COORDINATES

LAT/LONG... 41-15.48 N 118-56.17 W

GEOLOGIC PROVINCE.....
 REFERENCE..... PAUTE MEANUS 1424000
 THE LOCALITY INFORMATION UTILIZED LOCATION ACURATE TO WITHIN 0.5 MILES
 SAMPLE DESCRIPTION.....

DATE/COLLECTOR..... 1941/05/05
 TEMPERATURE (C)..... 23.3

ISCHAP..... 12. L/M

AT-1-430-2265

ANALYSIS.....
 SPECIFIC CONDUCTANCE..... 260
 TOTAL DISSOLVED SOLIDS..... 1000
 CHANGE IN BALANCE (A DIFF)..... 500

ANALYSIS IN PPM
 AG.....
 AL.....
 AR.....
 BA.....
 BR.....
 CA.....
 CL.....
 CO.....
 CU.....
 FE.....
 NI.....
 PB.....
 PT.....
 SI.....
 SO.....
 ZN.....

NEW ANALYTICAL DATA... SAP = 3.00 MSC = 1.15
 REFERENCE AND IDENTIFICATION
 COMPILED BY.....
 ANALYSIS.....

OTHER SAMPLE FILE

NAME OF SAMPLE SOURCE...
 LOCATION...

COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... HUMBOLDT
 REFERENCE..... DIVISION PEAK 1124000

SAMPLE DESCRIPTION.....
 DATE/COLLECTOR..... 1941/12/12
 TEMPERATURE (C)..... 21.1
 ISCHAP..... 10. L/M

AT-1-430-2265

ANALYSIS.....
 SPECIFIC CONDUCTANCE..... 323
 TOTAL DISSOLVED SOLIDS..... 250
 CHANGE IN BALANCE (A DIFF)..... 500

ANALYSIS IN PPM
 AG.....
 AL.....
 AR.....
 BA.....
 BR.....
 CA.....
 CL.....
 CO.....
 CU.....
 FE.....
 NI.....
 PB.....
 PT.....
 SI.....
 SO.....
 ZN.....

NEW ANALYTICAL DATA... SAP = 1.17 MSC = 0
 REFERENCE AND IDENTIFICATION
 COMPILED BY.....

RECORD 00358

GEOTHERM FILE NO: 0074708

COORDINATES

LAT/LONG... 41-15-48 N 118-50-17 W

ISOTOPES (U200)

COPYRIGHT AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE... SI CLAIM, 1952

RECORD 00350

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CASEY SPRINGS
LOCATION
COUNTRY... UNITED STATES JO 0202 22
STATE... NEVADA
COUNTY... HUMBLT
M.M. REFERENCE... DOUBLE MOUNTAIN SPRING, NEV. 152-400
SAMPLE DESCRIPTION AND ANALYSIS
TEMPERATURE (C)... 73.4
OTHER SAMPLE INFORMATION... TEMPERATURE RANGE 73.4 - 90.0 C
JULIATION FACTOR... TEMPERATURE RANGE IS 73.4 - 90.0 C
REFERENCE AND IDENTIFICATION
COMPILED BY... FLYNN T.
COPYRIGHT AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE... HOUSE AND TELLER, 1975

COORDINATES

LAT/LONG... 41-00-10 N 119-00-20 W

RECORD 00350

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CASEY SPRINGS
LOCATION
COUNTRY... UNITED STATES JO 0202 22 SE OF NE
STATE... NEVADA
COUNTY... HUMBLT
M.M. REFERENCE... LOVELOCK 1:250000
SAMPLE DESCRIPTION AND ANALYSIS
TEMPERATURE (C)... 63.3
ANALYSIS

COORDINATES

LAT/LONG... 41-00-20 N 119-00-03 W

CHANGE IN BALANCE (A DIFF)... 11.5

ANALYSIS IN MO/L

AG...	CO3...	49...	7.19		
AL...	CL...	49...	265.	5102.	60.
HA...	FE...	49...		504.	135.
HE...	MC...	240.			
CA...	CO...	1.			
CL...					
CO...					

ISOTOPES (U/001)

REFERENCE AND IDENTIFICATION

COMPILED BY... FLYNN T.
COPYRIGHT AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE... GROUSE AND TELLER, 1975

RECORD 00361

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CONDENSED MERCURY MINE (TOWN WELL 2)
MINING NUMBER... AA
LOCATION
COUNTRY... UNITED STATES JO 037E 25 SE OF NE
STATE... NEVADA

COORDINATES

LAT/LONG... 41-55.17 N 117-48.93 W

GEOTHERM FILE ID: 0074050

REC'D 0056

NEUTHERA FILE 10: 000092

CONSULTANTS
LAT/LONG... 41-54.8 N 117-40.9
UTM ZONE... 11T
NORTHING... 5480017.
EASTING... 535241.

ISOLATES (U/00)

.....	8.1
SPECIFIC CONDUCTANCE.....	504
TOTAL DISSOLVED SOLIDS....	325
CHARGE IMBALANCE (+ DIFF)...	11

ANALYTICAL DATA... VU2 =

NAME..... SANFORD, LINDA
COMPILER AFFILIATION..... U.S. GEOLOGICAL SURVEY
REFERENCE..... WHITE, D., USGS, MENLO PARK

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CONDENS MERCURY MINE (UPPER WELL)

WATER NUMBER..... 44

LOCATION

COUNTRY..... UNITED STATES 47° 03' 28" N 117° 48' 51" W

STATE..... NEVADA

COUNTY..... HUMBOLDT

M.P. REFERENCE..... JORDAN MEADOW 1162500

OTHER LOCALITY INFORMATION: ABOUT 1/2 MILE FROM SHAFT AND DOWNSLOPE (MOUTH OF MINE, UPPER WELL)

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (°C)..... 59.0

WELL DEPTH (M)..... 177.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... HOLMES, 1959A

RECORD 00364

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CONDENS MERCURY MINE (UPPER WELL)

LOCATION

COUNTRY..... UNITED STATES 47° 03' 28" N 117° 48' 51" W

STATE..... NEVADA

COUNTY..... HUMBOLDT

M.P. REFERENCE..... JORDAN MEADOWS 1162500

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (°C)..... 51.7

WELL DEPTH (M)..... 143.

ISCHARGE..... 24. L/MIN

OTHER SAMPLE INFORMATION: HOT WATER IS PUMPED FROM WELL AT 10 GPM FOR DOMESTIC USE, AUGMENTED BY 8 GPM COLD WATER.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... HOLMES, 1965

RECORD 00365

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CONDENS MERCURY MINE - CONDENS MINING CO. WELL

LOCATION

COUNTRY..... UNITED STATES 47° 03' 28" N 117° 48' 51" W

STATE..... NEVADA

COUNTY..... HUMBOLDT

GEOLOGIC PROVINCE..

M.P. REFERENCE..... JORDAN MEADOW 1162500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (°C)..... 40.0

WELL DEPTH (M)..... 135.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 500.

TOTAL DISSOLVED SOLIDS... 365.

GEOTERM FILE 107 0074158

COORDINATES

LAT/LONG... 41-55.4 N 117-48.9 W

UTM ZONE... 11

NORTHING... 4841372.

EASTING... 432421.

 FROM SAMPLE FILE
 NAME OF SAMPLE SOURCE... CORDERO WIFE
 LOCATION
 COUNTY..... UNITED STATES IDAHO
 STATE..... NEVADA 47° 03' N 111° 44' W
 COUNTY..... MURDOCK 47° 03' N 111° 44' W
 REFERENCE..... JORDAN MEADOWS 1:24000
 FILE DESCRIPTION AND CONDITIONS

 RECORD 00367
 GEOTHERM FILE 101 0000921
 COORDINATES
 LAT/LONG... 41-54.70 N 111-48.93 W

DATE/COLLECTOR..... 1957/05/17 WHITE, DUNN, E.
 POINT OF COLLECTION... COPPERO MINE, WATER PUMPED FROM MINE
 DISCHARGE..... 235 L/MIN
 DOMINANT LITHOLOGY..... FRACTURED MG BEARING TERTIARY VOLCANICS

TERMINALYSIS

DATE/ANALYST..... 1958/05/28 WHITEHEAD, H. C.

..... 7.7
 SPECIFIC CONDUCTANCE..... 923
 SALINITY..... 279 AS: CaCO3
 CHARGE IMBALANCE (% DIFF)..... 17.3

ANALYSIS IN ppm

ANALYSIS IN ppm		ISOTHERMS (0.200)	
AG.....	CO3..... 7.7	LI.....	N.....
AL.....	CR.....	MG.....	9.0
AS.....	CS.....	NA.....	89.0
CU.....	FE(TOT).....	NH.....	21.0
CA.....	HCO3..... 100.0	SI02.....	240.0
CL.....	K..... 6.7	SO4.....	240.0
CO.....			

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... WHITE, D. USGS, MENLO PARK

RECNO 00368

THEME/ SAMPLE TYPE

TIME OF SAMPLE SOURCE... DOUBLE HOT SPRING

LOCATION

COUNTRY..... UNITED STATES 36N 026E 04 W OF SE NW
 STATE..... NEVADA
 COUNTY..... HUMBOLDT

COORDINATES

LAT/LONG..... 41-03-03 N, 119-01-55 W

SP. REFERENCE..... DOUBLE HOT SPRING 124000

DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 BARNES GROUP

TEMPERATURE (C)..... 80.0
 DISCHARGE..... 175 L/MIN

WATER TREATMENT..... PRESSURE FILTERED THROUGH 0.45 MICROMETER MEMBRANE FILTER, DILUTED

DEPOSITS OR ALTERATION..... TRACES OF CaCO3 AND SILICA DEPOSITED

DOMINANT LITHOLOGY..... QUATERNARY ALLUVIUM, TERTIARY BASALT AND "ASH-FLOW" RHYOLITE

TERMINALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

..... 7.7
 SPECIFIC CONDUCTANCE..... 902
 SALINITY..... 265 AS: HCO3
 CHARGE IMBALANCE (% DIFF)..... 9.4

ANALYSIS IN mg/L

ANALYSIS IN mg/L		ISOTHERMS (0.200)	
AG.....	CO3..... 2.0	LI.....	0.060
AL.....	CR.....	MG.....	0.11
AS.....	CS..... 0.11	NA.....	0.022
CU.....	FE(TOT)..... 10.0	NH.....	0.39
CA.....	HCO3..... 261.0	SI02.....	15.0
CL.....	K.....	SO4.....	15.0
CO.....	MG..... 0.0004	SH.....	4.03

DELT OF WATER..... -128.8
 DELT (LIT) OF WATER..... -15.93

CO.... 59. 1.0000 0.02 20.00 0.21
CL.... 59. 1.0000 0.02 20.00 0.21
CO.... 59. 1.0000 0.02 20.00 0.21

GAS ANALYSIS

DATE/ANALYST..... 1974/08/00 BARNES GROUP

ANALYSIS IN VOLUME %

CH4... 3.

C2H6... 2.00

CO2... 4.00

N2... 96.00

O2... 0.30

QUALIFICATION FIELD..... 02 = 02 = AR.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

COMPILER CROSS INDEX... NEH-479

REFERENCE..... MARINER AND OTHERS, 1974; MARINER AND OTHERS, 1975

RECORD 00369

GEOHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... DOUBLE HOT SPRINGS

WATER NUMBER..... 12

LOCATION

LOUYSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES

36N 026E 04

NW 1/4 SE 1/4

LAT/LONG... 41-03.03 N 119-01.55 W

STATE..... NEVADA

COUNTY..... HUMPHOLT

MAP REFERENCE..... DOUBLE HOT SPRINGS 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 41.1

DISCHARGE..... 19. L/MIN

QUALIFICATION FIELD..... TEMPERATURE RANGE IS 13.8 - 88.3 C.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WATKINS, 1965

RECORD 00370

GEOHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... DOUBLE HOT SPRINGS

LOCATION

LOUYSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES

36N 026E 04

NW 1/4 SE 1/4

LAT/LONG... 41-03.03 N 119-01.55 W

STATE..... NEVADA

COUNTY..... HUMPHOLT

MAP REFERENCE..... DOUBLE HOT SPRINGS 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 78.0

WATER ANALYSIS

pH..... 8.0

SPECIFIC CONDUCTANCE..... 910.

CHARGE IMBALANCE (6 DIFF).... 10.4

ANALYSIS IN MG/L

AG....

CO3.... 2.

LI.... 0.05

AL....

CH....

MG.... 0.1

H.... 2.0

F.... 10.

NA.... 225.

SI02. 105.

HE....

FE(TOT)...

NO....

SO4.. 120.

CA.... 15.

HC03.... 260.

ISOTOPES (02001)

CL.... 8... K.... 4.5
CO....
REFERENCE AND IDENTIFICATION
COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... GROSE AND KELLER, 1975B

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... DOUBLE HOT SPRINGS
LOCATION
COUNTRY..... UNITED STATES 36N 026E 16 SE OF NE
STATE..... NEVADA
COUNTY..... HUMBOLDT
MAP REFERENCE..... VYA 1:250000
COORDINATES
LAT/LONG... 41-00.90 N 119-00.93 W

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 73.5

ISOTOPE ANALYSIS

P..... 7.0

CHARGE IMBALANCE (% DIFF)... 7.8

ANALYSIS IN MG/L

AG....	CO3....	N			
AL....	CH....		MG...	0.13	
BA....	F....	9.4	NA....	260.	112.
BR....	FE (TOT)...		ND....	504.	140.
CA....	HCO3....	275.			
CL....					
CU....	K....	5.6			

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... GROSE AND KELLER, 1975B

RECORD 00372

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... DYKE HOT SPRINGS
WORKING NUMBER..... 10
LOCATION
COUNTRY..... UNITED STATES 43N 030E 25 SE OF SE
STATE..... NEVADA
COUNTY..... HUMBOLDT
MAP REFERENCE..... DUFFER PEAK 1:62500
COORDINATES
LAT/LONG... 41-34.07 N 118-33.95 W

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 68.3

PORTINENT LITHOLOGY..... LAVA (UPPER TERTIARY)

OTHER SAMPLE INFORMATION... SEVERAL SPRINGS

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... WARRING, 1965; PEALE, 1886

RECORD 00373

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0000617

NAME OF SAMPLE SOURCE... DYKE HUT SPRINGS

LOCATION... TOWNSHIP-RANGE

COUNTRY... UNITED STATES 43N 030E 25 SE OF SE

STATE... NEVADA

COUNTY... HUMBOLDT

M.P. REFERENCE... DUFFER PEAK 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1972/00/00 MARINER'S GROUP

TEMPERATURE (C)... 66

DISCHARGE... 100 L/MIN

WATER TREATMENT... PRESSURE FILTERED THROUGH A .45 MICROMETER MEMBRANE FILTER, DILUTED

DEPOSITS OR ALTERATION... TRACES OF CACCO DEPOSITED

PERTINENT LITHOLOGY... QUATERNARY ALLUVIUM, TRIASSIC AND JURASSIC METAMORPHIC ROCKS

WATER ANALYSIS

DATE/ANALYST... 1972/00/00 MARINER'S GROUP

P... 8.9

SPECIFIC CONDUCTANCE... 605

ALKALINITY... 277 AS HCO₃

ANALYSIS IN MU/L

ANALYSIS IN MU/L		ISOTOPES (0/00)	
AG...	CO ₃ ... 17	LI... 0.09	S... 85
AL... C.020	CR... 0.1	MG... L 0.1	DEL D OF WATER... -128.0
AS... L 0.01	GS... L 0.1	NI... L 0.02	DEL D (18) OF WATER... -16.29
AU...	CU... L 0.01	NA... 150	S02... 85
H... 1.0	FE... 8.0	NS... 0.02	S04... 85
HE...	FE(II)... L 0.02	NH4... 0.04	SH... 0.12
PK... 0.025	GA...		
CA... 1.0	HCO ₃ ... 277		
CA-MG...	H3... 0.0008		
GD...	H2S... 0.06		
OL... 21	I... 0.02		
CO...	K... 4.3		
	Rd... 0.02		

QUALIFICATION FIELD... SPRING REPORTED AS "NEAR BOILING".

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA

CAMPLER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE... MARINER AND OTHERS, 1974; MARINER AND OTHERS, 1975

RECORD 00374

GEOHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... DYKE HUT SPRINGS

LOCATION

COUNTRY... UNITED STATES 43N 030E 25 SE OF SE

STATE... NEVADA

COUNTY... HUMBOLDT

M.P. REFERENCE... DUFFER PEAK 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1972/10/08

TEMPERATURE (C)... 73.0

WATER ANALYSIS

P... 8.7
 SPECIFIC CONDUCTANCE... 636
 TOTAL DISSOLVED SOLIDS... 470
 CHARGE IMBALANCE (% DIFF)... 4.3
 ANALYSIS IN PPM

GEOHEM FILE ID: 007414

COORDINATES

LAT/LONG... 41-34.07 N 110-33.95 W

ISOTOPES (0/00)

AS..... CO3..... 16.
AL..... CR..... 40.... V
H..... 0.41 F..... 8.9 NA.... 146. SI02. H3
HE..... FE(TOT). 98... S04.. 76
CA.... 3.2 HC03.... 216. NO3... 0.3
CL.... 6.0
CO..... R..... 3.7

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... SINCLAIR, 1962C

RECORD 00375

GEOCHEMICAL SAMPLE FILE

GEOCHEM FILE 101 007475

NAME OF SAMPLE SOURCE... E.A. GUNDA WELLS

LOCATION

TOWNSHIP-RANGE

COUNTY LINES

COUNTRY..... UNITED STATES 41N 04E 22 NE OF SE LAIXUNG... 41-24.58 N 117-26.05 W

STATE..... NEVADA

COUNTY..... HUMPHOLT

GEOLOGIC PROVINCE... 22

MAP REFERENCE..... HOT SPRINGS PEA 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1968/07/14

TEMPERATURE (C)..... 21.7

WELL DEPTH (M)..... 133.

WATER ANALYSIS

P..... 8.4

SPECIFIC CONDUCTANCE..... 510.

TOTAL DISSOLVED SOLIDS... 337.

ANALYSIS IN MG/L

AG..... CO3..... 7.

AL..... CR..... 40.... 0.

AS..... 0.41 F..... 0.7 NA.... 51. SI02. 63.

A..... 0.2 FE(TOT). 98... S04.. 31.

HE..... HC03.... 173. NO3... 2.

CA.... 23. CL.... 29.

CO..... R..... 13.

OTHER ANALYTICAL DATA... SAR = 2.7, RSC = 1.43

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... HARRILL AND MOORE, 1970

RECORD 00376

GEOCHEMICAL SAMPLE FILE

GEOCHEM FILE 101 0000574

NAME OF SAMPLE SOURCE... EAST PINTO HOT SPRING

LOCATION

TOWNSHIP-RANGE

COUNTY LINES

COUNTRY..... UNITED STATES 40N 02E 17 NE OF SE SE LAIXUNG... 41-21. N 118-47. W

STATE..... NEVADA

COUNTY..... HUMPHOLT

MAP REFERENCE..... PINTO MOUNTAIN 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/06/00 MARINER'S GROUP

TEMPERATURE (C)..... 93.3
 DISCHARGE..... 500 L/MIN
 WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETRE MEMBRANE
 DEPOSITS OR ALTERATION..... CALC AND SILICA APPROX DEPOSITED
 PERTINENT LITHOLOGY..... GRANODIORITE IS ROCK TYPE
 OTHER SAMPLE INFORMATION.. SPRING NEAR BOILING
WATER ANALYSIS
 DATE/ANALYST..... 1972/00/00. HARNES GROUP
 P..... 7.1
 SPECIFIC CONDUCTANCE..... 1560.
 ALKALINITY..... 497. AS HCO3
ANALYSIS IN MG/L
 AG..... CO3..... 1.0 LI..... 0.45 S.....
 AL..... 0.024 CR..... 0.4 MG.....
 AS..... 0.07 CS..... 0.1 MN..... 0.03 SB.....
 AU..... CU..... 0.01 NA..... 330. SI02..... 150.
 B..... 7.3 F..... 12. NH.....
 BE..... FE(TOT)..... 0.05 NB.....
 BI..... GR..... NM4..... 1.0 SM..... 0.57
 BR..... 0.1 HCO3..... 497.
 CA..... 14. H2S..... 0.0040 PO4..... 0.12
 CA+Mg..... H2S.....
 CD..... I..... 0.04 RB..... 0.28
 CL..... 160. K..... 23.
 CO.....

ISOTOPES (0/001)

DEL D OF WATER..... -129.2
 DEL D (18) OF WATER... -14.48

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... HARNES AND OTHERS, 1974B; HARNES AND OTHERS, 1975

RECORD 00317

GEOTHERMAL SAMPLE FILE

GEOTHERMAL FILE NO: 0074182

NAME OF SAMPLE SOURCE... EAST PINTO HOT SPRING
LOCATION
 COUNTRY..... UNITED STATES **TOWNSHIP-RANGE**
 STATE..... NEVADA 40 N 028 E 17 NE OF SE SE
 COUNTY..... HUMBOLDT
 MAP REFERENCE..... PINTO MOUNTAIN 1:24000

COORDINATES

LAT/LONG... 41-21.75 N 118-47.28 W

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 94.0

WATER ANALYSIS

P..... 7.2
 SPECIFIC CONDUCTANCE..... 1560.
 CHARGE IMBALANCE (+ DIFF)... 0.8
ANALYSIS IN MG/L

ISOTOPES (0/001)

AG..... CO3..... 1. LI..... 0.5
 AL..... CR..... 0.3
 B..... 7. F..... 14. NA..... 325. SI02..... 135.
 BE..... FE(TOT)..... NB.....
 CA..... 19. HCO3..... 501. S04..... 120.
 CL..... 160. K..... 25.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GROSS AND NELLER, 1975

GEOTHERM SAMPLE FILE

GEOTHERM FILE 10: 000079

NAME OF SAMPLE SOURCE... FIVE MILE SPRING

LOCATION

104V54IP-BAYNE

COUNTRY..... UNITED STATES 45N 033E 21 SE OF NE SW

COORDINATES
LAT/LONG... 41-45-15 N 118-38-10 W

STATE..... NEVADA

COUNTY..... HUMBOLDT

GEOLOGIC PROVINCE... 22

MIP REFERENCE..... TRIDE (T PEAK) NEV.-ORE. 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1975/08/09

TEMPERATURE (C)..... 27

OTHER SAMPLE INFORMATION... CHEMISTRY NOT VERIFIED; REFERENCE IS A MAP

WATER ANALYSIS

pH..... 7.3

SPECIFIC CONDUCTANCE..... 250

CHARGE IMBALANCE (% DIFF)... 2.3

ANALYSIS IN PP4

AL..... CA..... AG..... 2.6

..... NA..... 23. S102. 53

..... FE (TIT)... 10. SD4. 14

CA..... 14. HCO3..... 94

CL..... 13

CO..... 6.3

ISOTOPES (U/001)

QUALIFICATION FIELD..... DICARBONATE FILTRATED WITHIN 24 HOURS OF SAMPLING

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, J.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

COMPILER CROSS INDEX... NK-11-7-5

REFERENCE..... TREXLER AND OTHERS, 1979

RECORD 00379

GEOTHERM SAMPLE FILE

GEOTHERM FILE 10: 0000820

NAME OF SAMPLE SOURCE... FLOWING WELL NEAR BALTAZOR HOT SPRING

LOCATION

104V54IP-BAYNE

COUNTRY..... UNITED STATES 46N 020E 13 NW

COORDINATES

LAT/LONG... 41-55.3 N 118-42.5 W

STATE..... NEVADA

COUNTY..... HUMBOLDT

MIP REFERENCE..... DENIO 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP

TEMPERATURE (C)..... 93

DISCHARGE..... 25 L/MIN

WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETER MEMBRANE FILTER; DILUTED

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM, TERTIARY VOLCANIC ROCKS; CHETACEOUS TO TERTIARY GRAVADIORITE

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

pH..... 7.3

SPECIFIC CONDUCTANCE..... 934

ALKALINITY..... 157

ANALYSIS IN MU/L AS HCO3

AG..... CO3..... 1.4 LI..... 0.22 S.....

ISOTOPES (U/001)

DEL D OF WATER..... -125.0

1. 0.022 CR..... MG..... 0.01 SB.....
 2. 0.011 CS..... 0.01 MV..... 0.02
 3. 0.010 LF..... 0.02
 4. 2.11 F..... 6.01 NA..... 180. SID2. 100
 5. FE..... 0.02 NB..... SO..... 240
 6. GA..... NM..... 0.26 SM..... 0.15
 7. 0.2 HC03..... 157.
 8. 11. H5..... 0.013
 9. 0.02 H2S..... PU..... 0.21
 10. 0.02 I..... 0.02
 11. 0.02 N..... 0.2 RD..... 0.04

DEPTH OF WATER.....

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILED AFFILIATION..... U.S. GEOLOGICAL SURVEY
 REFERENCE..... MARTIN AND OTHERS, 1974; MARTIN AND OTHERS, 1975

GEOCHEMICAL SAMPLE FILE

RECORD 00380

NAME OF SAMPLE SOURCE..... GULCONDA HOT SPRINGS

LOCATION

TOWNSHIP-RANGE

GEOTHERM FILE ID: 0074296

COUNTRY..... UNITED STATES 36N. 04E 32 NE

COUNTY.....

LAT/LONG

STATE..... NEVADA

103.00 40-57.33 N. 111.7-29.00 W

COUNTY..... HUMBOLDT

MAP REFERENCE..... GULCONDA 1024000

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 45.0

TEMPERATURE (F)..... 113.0

QUALIFICATION FIELD..... TEMPERATURE IS MAXIMUM ESTIMATE.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILED AFFILIATION..... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... WHITE, 1955A

GEOCHEMICAL SAMPLE FILE

RECORD 00381

NAME OF SAMPLE SOURCE..... GULCONDA AREA WELL

LOCATION

TOWNSHIP-RANGE

GEOTHERM FILE ID: 0074367

COUNTRY..... UNITED STATES 36N. 04E 32 NE OF NE

COUNTY.....

LAT/LONG

STATE..... NEVADA

103.00 40-57.55 N. 111.7-29.28 W

COUNTY..... HUMBOLDT

MAP REFERENCE..... GULCONDA 1024000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1947/GO/OD

TEMPERATURE (C)..... 81.5

WELL DEPTH (M)..... 53.3

OTHER SAMPLE INFORMATION..... UNTILLED IN 1940.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILED AFFILIATION..... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GANSHUE AND SCHILLING, 1979

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... GOLCONDA AREA WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 36 N 040E 29 NE OF SE SW

STATE..... NEVADA

COUNTY..... HUMBOLDT

MAP REFERENCE..... GOLCONDA 1124000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1961/08/07

TEMPERATURE (C)..... 25.6

WELL DEPTH (M)..... 5.5

WATER ANALYSIS

PH..... 7.7

SPECIFIC CONDUCTANCE..... 811

TOTAL DISSOLVED SOLIDS..... 478

CHARGE IMBALANCE (% DIFF)..... 1.5

ANALYSIS IN PPM

ISOTOPES (0/00)

AG..... CO3.....

AL..... CH.....

H..... F.....

HE..... FE(TOT).....

CA..... MC03.....

CO.....

CU.....

OTHER ANALYTICAL DATA... SAR = 4.8

REFERENCE AND IDENTIFICATION

COMPILED BY..... KJENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... COHEN, 1962

RECNUM 00363

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... GOLCONDA AREA-SPRING

WELLING NUMBER..... 19H

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 36N 040E 29 SW OF SE

STATE..... NEVADA

COUNTY..... HUMBOLDT

MAP REFERENCE..... GOLCONDA 1124000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1961/12/62

TEMPERATURE (C)..... 64.5

WATER ANALYSIS

PH..... 8.2

SPECIFIC CONDUCTANCE..... 845

TOTAL DISSOLVED SOLIDS..... 571

CHARGE IMBALANCE (% DIFF)..... 2.1

ANALYSIS IN PPM

ISOTOPES (0/00)

AG..... CO3.....

AL..... CH.....

H..... F.....

HE..... FE(TOT).....

CA.....

CO.....

CU.....

CR.....

NI.....

PB.....

PT.....

S.....

SE.....

SI.....

SN.....

SO.....

SP.....

SR.....

SS.....

ST.....

SU.....

SV.....

SW.....

SX.....

SY.....

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ZJ.....

ZK.....

ZL.....

ZM.....

ZN.....

ZO.....

ZP.....

ZQ.....

ZR.....

ZS.....

ZT.....

ZU.....

ZV.....

ZW.....

ZX.....

ZY.....

ZZ.....

CA.... 35. MC03... 440. NO3.. U.4
CL.... 20.
CO.... K..... 23.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... COMEN: 1962; WARRING, 1965

GEOOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... GOLCONDA HOT SPRINGS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 36N 040E 32 NE LAT/LONG... 40-57.00 N 117-29.00 W
STATE..... NEVADA
COUNTY..... HUMBOLDT
MAP REFERENCE..... GOLCONDA 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1940/11/03 ROBERTS, R. J.
TEMPERATURE (C)..... 63.5

WATER ANALYSIS

DATE/ANALYST..... 1941/02/14 MURATA, R. J.

P.H..... 7.8

TOTAL DISSOLVED SOLIDS... 785.

PERCENTAGE IMBALANCE (% DIFF)... 0.3

ANALYSIS IN PPM

AG....	CO3....	LI....	1
AL....	CM....	MG....	7.8
AS.... N	CS....	MN....	0.14
BA.... 1.3	FE.... 2.3	NA....	141.
BE....	FE(TOT)...	NH4....	51.
BI....	GA....	NH4.... T	54.
CA.... 34.	MC03.... 441.	NO3....	U.4
CL.... 21.			
CO....	K..... 22.		

OTHER ANALYTICAL DATA... B = .62% OF EU. FE = 2. .6 PPM

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
REFERENCE..... WHITE, D., USGS, MENLO PARK

GEOOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... GOLCONDA HOT SPRINGS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 36N 040E 29 SW OF SE LAT/LONG... 40-57.6 N 117-29.0 W
STATE..... NEVADA
COUNTY..... HUMBOLDT
GEOLOGIC PROVINCE...
MAP REFERENCE..... GOLCONDA 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1945/08/24 ROBINSON, T. W.
POINT OF COLLECTION.. HIGHEST ORIFICE
TEMPERATURE (C)..... 65.5
DISCHARGE..... 2965. L/MIN

RECORD 00385

GEOOTHERM FILE ID: 00/4363

UTM ZONE... 11
NORTHING... 4534222.
458484.

DEPOSITS OR ALTERATION.... PENROSE (1893) REPORTED MG0-CHARGED SILTER DEPOS.
OTHER SAMPLE INFORMATION.. ABOUT 12 SPRINGS IN AREA. DISCHARGE RANGES FROM

WATER ANALYSIS

DATE/ANALYST..... 1943/09/05 MILLER, H. K.

SPECIFIC CONDUCTANCE..... 849.

ANALYSIS IN PPM

AG.... CO3..... 4

AL.... CR.....

B.... 1.4 F.....

RE.... FE(10T).....

CA.... 33. HCO3.... 444.

CL.... 21.

OTHER ANALYTICAL DATA... 5 = 0.04% OF EQ.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... MILLER AND OTHERS, 1953; PENROSE, 1893

RECORD 00366

GEOCHEM. SAMPLE FILE

NAME OF SAMPLE SOURCE... GOLCONDA HOT SPRINGS

GEOCHEM. FILE NO: 0074406

LOCATION

COUNTRY..... UNITED STATES

INLAND-RANGE

35N 040E 32 NE

COORDINATES

LAT/LONG... 40-57.3 N 117-29.00 W

STATE..... NEVADA

COUNTY..... HUMBOLDT

MSP REFERENCE..... GOLCONDA 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1974/02/20

TEMPERATURE (C)..... 43.

PERTINENT LITHOLOGY..... ALLOUVIUM

OTHER SAMPLE INFORMATION.. TWELVE SPRINGS IN AREA. RESORT.

WATER ANALYSIS

P1..... 7.0

SPECIFIC CONDUCTANCE..... 942.

TOTAL DISSOLVED SOLIDS... 620.

CHANGE IN BALANCE (5 DIFF).... 0.9

ANALYSIS IN PPM

AG.... L 0.02 CO3..... 4

AL.... CR..... L 0.02

AS.... 0.0009 CS..... 1.1

AU.... CU..... L 0.01

B.... F..... 2.9

BA.... 0.46 FE+3.....

RE.... L 0.005 FE(10T).... 0.79

HI.... L 0.1 GA.....

HR.... GE.....

CA.... 47. HCO3.... 528.

CA+MG. MG..... L 0.0005

CO.... L 0.01 H2S.....

CL.... 27. K..... 24.

LI.... 0.527

MG.... 7.8

MN.... 0.096

MO....

NA.... 159.

NA+K.

ND....

NH4.... 0.8

NI.... 0.06

NO3.... 0.2

PD.... 0.02

PO4.... L 0.1

RB.... 0.198

ZN.... 0.068

SB.... L 0.1

SE.... L 0.001

SI02. 40.

SN.... L 0.05

S04... 57.

SR.... 0.227

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... SANDERS AND MILES, 1974; WARING, 1965

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... GOLCONDA TUNGSTEN MINE DRILL HOLE 302

LOCATION

TOWNSHIP-RANGE

COORDINATES

GEOTHERM FILE ID: 000064

COUNTRY... UNITED STATES 36N 04E 30 SW

STATE... NEVADA

COUNTY... HUMBOLDT

GEOLOGIC PROVINCE... 22

MAP REFERENCE... GOLCONDA 1:24000

OTHER LOCALITY INFORMATION: CENTER OF SW 1/4

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1972/00/00

TEMPERATURE (C)... 61.7

WELL DEPTH (M)... 78.6

REFERENCE AND IDENTIFICATION

COMPILED BY... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... GANSHIE AND SCHILLING, 1979

RECORD 00388

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... HOT PUT SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

GEOTHERM FILE ID: 000064J

COUNTRY... UNITED STATES 35N 04E 10 NE OF NE SE

STATE... NEVADA

COUNTY... HUMBOLDT

MAP REFERENCE... HOT PUT 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1972/00/00 MOSE, R. K.

TEMPERATURE (C)... 53.0

WATER TREATMENT... PRESSURE FILTERED THROUGH A .1 MICROMETRE MEMBRANE FILTER, DILUTED

PERTINENT LITHOLOGY... QUATERNARY ALLUVIUM, TERTIARY BASALT (?), CAMBRIAN QUARTZITE (?).

WATER ANALYSIS

DATE/ANALYST... 1972/00/00 HARNES GROUP

P... 8.0

SPECIFIC CONDUCTANCE... 1400.

ALKALINITY... 823. AS HCO3

CHARGE IMBALANCE (% DIFF)... 1.3

ANALYSIS IN MG/L

ANALYSIS IN MG/L		ISOTOPES (0/00)	
AG...	CO3...	LI...	0.72
AL...	CH...	MG...	5.
HA...	F...	NA...	288.
HE...	FE(TOT)...	NH...	5102.
CA...	HCO3...		80.
CL...			80.
CO...			
K...			33.

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE... MARINER AND OTHERS, 1974B; MARINER AND OTHERS, 1975

GEO THERM SAMPLE FILE

GEO THERM FILE 10: 000015

NAME OF SAMPLE SOURCE... HOT SPRINGS (TIPTON RANCH SPRINGS)

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 33N 04E 05 SE OF SE

LAT/LONG... 40-45.5 N 117-29.38 W

STATE..... NEVADA

COUNTY..... HUMBOLDT

MAP REFERENCE..... GULURON CREEK 1:24000

OTHER LOCALITY INFORMATION: WEST 1/2 OF SE 1/4 SECTION

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1954/00/00

TEMPERATURE (C)..... 45.1

DISCHARGE..... 56.3 L/MIN

OTHER SAMPLE INFORMATION: ALONG FAULT ZONE. 120 GPM DISCHARGE FROM SEVERAL SPRINGS.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, J.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... DETERLING, 1959

RECORD 00390

GEO THERM SAMPLE FILE

GEO THERM FILE 10: 0074161

NAME OF SAMPLE SOURCE... HOWARD HOT SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 44N 03E 04 SE OF NE NE

LAT/LONG... 41-43.2 N 118-30.2 W

STATE..... NEVADA

COUNTY..... HUMBOLDT

MAP REFERENCE..... DUFFER PEAK 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1960/10/07

TEMPERATURE (C)..... 57.8

DISCHARGE..... 189 L/MIN

WATER ANALYSIS

PH..... 9.3

SPECIFIC CONDUCTANCE..... 401

TOTAL DISSOLVED SOLIDS... 324

CHARGE IMBALANCE (% DIFF)... 2.9

ANALYSIS IN PPM

AG..... CO3..... 39.

AL..... CR.....

B..... 0.20 F..... 7.9

FE..... FE(TOT)... 52.

CA..... HCO3..... 52.

CL..... 14.

CO..... K..... 2.0

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, J.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... SINCLAIR, 1962C

RECORD 00391

GEO THERM SAMPLE FILE

GEO THERM FILE 10: 000015

NAME OF SAMPLE SOURCE... HOWARD HOT SPRINGS

LOCATION
COUNTRY..... UNITED STATES 44N 031E 04 SE OF NE NE
STATE..... NEVADA
COUNTY..... HUMBOLDT
GEOLOGIC PROVINCE... 22
MAP REFERENCE..... DOFFER PEAK 1462500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 ROSE, R. K.
TEMPERATURE (C)..... 53.0
WATER TREATMENT..... PRESSURE-FILTERED THROUGH A .1 MICROMETRE MEMBRANE FILTER, DILUTED
PERTINENT LITHOLOGY..... QUATERNARY ALLOVIUM AND TERTIARY VOLCANICS

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

PH..... 9.2
SPECIFIC CONDUCTANCE..... 400.
ALKALINITY..... 121. AS HCO3
CHARGE IMBALANCE (R DIFF).... 9.6

ANALYSIS IN 10/L

AG....	CO3....	LI....	S....	ESUIOPES (0/001)
AL....	CR....	MO....	SB....	DEL D OF WATER.....
AS....	CS....	MN....		DEL D(10) OF WATER... -16.17
B....	F....	NA....	88.	
FE....	FE(TOT)...	NO....	5102. 85.	
CA.... 3.	HCO3.... 127.		504.. 66.	
CL.... 11.				
CO....	K.... 1.7			

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
COMPILED AFFILIATION... U.S. GEOLOGICAL SURVEY
REFERENCE..... MARINER AND OTHERS, 1974B1 MARINER AND OTHERS, 1975

RECORD 00392

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... JACKSON BROS. WELL
WELL/SPRING NUMBER..... 37/25-2601

GEOTERM FILE 101 0074704

LOCATION

COUNTRY..... UNITED STATES 37N 025E 26 SW
STATE..... NEVADA
COUNTY..... HUMBOLDT
GEOLOGIC PROVINCE... 22
MAP REFERENCE..... DOUBLE HOT SPRINGS 1424000

COORDINATES

LAT/LONG... 41-04.0 N 119-06.0 W

OTHER LOCALITY INFORMATION: LOCATION VAGUE.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 25.6
WELL DEPTH (M)..... 61.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... SINCLAIR, 1963A

RECORD 00393

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... JACKSON BROS. WELL
WELL/SPRING NUMBER..... 37/25-2601

GEOTERM FILE 101 0074705

LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE
 STATE..... NEVADA 37N. 02SE 26 NE
 COUNTY..... HUMPHOLDT
 GEOLOGIC PROVINCE..... 22
 MAP REFERENCE..... DOUBLE MOUNTAIN SPRINGS 11:24000
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1950/11/09
 TEMPERATURE (C)..... 28.2
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... ROEHLER, R. A.
 COMPILED AFFILIATION..... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... SINCLAIR, 1963A

RECORD 00394

GEOCHEM SAMPLE FILE

NAME OF SAMPLE SOURCE..... NINE MILE SPRINGS
 LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE
 STATE..... NEVADA 44N 03E 10 SW OF NE SW
 COUNTY..... HUMPHOLDT
 GEOLOGIC PROVINCE..... 22
 MAP REFERENCE..... JULIAN RIVER CROSSING 11:02500
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1957/05/22
 TEMPERATURE (C)..... 1.20
 DISCHARGE..... 199.3 L/MIN
 PERTINENT LITHOLOGY..... ISSUE FROM UNCONSOLIDATED GRAVEL IMMEDIATELY DOWN GRADIENT FROM THE ALLUVIUM BEDROCK CONTACT

WATER ANALYSIS

pH..... 8.0
 SPECIFIC CONDUCTANCE..... 3035
 TOTAL DISSOLVED SOLIDS..... 219%
 ANALYSIS IN: pH

ANALYSIS IN: pH		ISOTOPES (U/100)	
AL.....	0.0011	SiO2.....	54%
BA.....	0.0011	SO4.....	20%
HE.....	0.0011		
CA.....	25%		
CL.....	2%		

OTHER ANALYTICAL DATA..... SAW = 1.02
 QUALIFICATION: FIELD..... TEMPERATURE IS ABOUT 15 DEG F ABOVE THAT FROM WELLS IN THE VALLEY
 REFERENCE AND IDENTIFICATION

COMPILED BY..... ROEHLER, R. A.
 COMPILED AFFILIATION..... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... ZONES 1963

RECORD 00395

GEOCHEM SAMPLE FILE

NAME OF SAMPLE SOURCE..... NINE MILE NEVADA WELL
 LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE
 STATE..... NEVADA 44N 03E 17 NE OF NE SE
 COORDINATES
 LAT/LONG..... 41-47.33 N 117-43.20 W

GEOCHEM FILE 101 007443

COUNTY..... HUMBOLDT
GEOLOGIC PROVINCE... 22
MAP REFERENCE..... MCDEMITT 1:250000, CARRUT SUMMIT 1:24000

OTHER LOCALITY INFORMATION: NEAR CORDERO MINE

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTION..... 1977/06/16

TEMPERATURE (C)..... 33.3

WELL DEPTH (M)..... 214.

WATER ANALYSIS

SPECIFIC CONDUCTANCE... 323.

TOTAL DISSOLVED SOLIDS... 322.

CHARGE IMBALANCE (% DIFF)... 3.6

ANALYSIS IN PPM

AL....	CH.....	MG....	0.2
B..... 0.31	F..... 2.6	NA....	58.
HE....	FE(TOT)...	NB....	5102. 110.
CA.... 5.0	MCU3.... 119.	NU3..	504.. 26.
CL.... 14.			
CO....	K..... 12.		

ISOTOPIES (0200)

OTHER ANALYTICAL DATA... SAR = 6.5

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

COMPILE AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... RANSIDE AND SCHILLING, 1979

RECORD 00396

GEOCHEM. SAMPLE FILE

NAME OF SAMPLE SOURCE... NORTHERN EAST RANGE AREA

LOCATION

COUNTRY..... UNITED STATES 35N 036E 28 NE OF NW NE

STATE..... NEVADA

COUNTY..... HUMBOLDT

GEOLOGIC PROVINCE...

MAP REFERENCE..... ROSE CREEK 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.25 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTION..... 1961/07/18

TEMPERATURE (C)..... 27.3

WATER ANALYSIS

P..... 8.3

SPECIFIC CONDUCTANCE..... 4080.

TOTAL DISSOLVED SOLIDS... 2650.

CHARGE IMBALANCE (% DIFF)... 1.1

ANALYSIS IN PPM

AG....	CO3.....	41.			
AL....	CR.....		MG....	40.	
B..... 15.	F..... 12.		NA....	920.	50.
HE....	FE(TOT)...	0.01	NB....	5102.	161.
CA.... 17.	MCU3.... 1940.		NU3..	504..	
CL.... 381.					
CO....	K..... 94.				

ISOTOPIES (0200)

OTHER ANALYTICAL DATA... SAR = 21.8, RSC = 29.03

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

COMPILE AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

GEOCHEM FILE NO: 0074698

COORDINATES

LAT/LONG... 40-53.1 N 117-56.3 W

UTM ZONE... 11

NORTHING... 4526203.

420945.

REFERENCE..... COHEN, 1963

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... NORTHERN EAST RANGE AREA

LOCATION..... TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 35N 036E 28 SW OF SW SE

STATE..... NEVADA

COUNTY..... HUMBOLDT

GEOLOGIC PROVINCE...

MAP REFERENCE..... ROSE CREEK 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1961/07/18

TEMPERATURE (C)..... 28.3

WATER ANALYSIS

pH..... 8.3

SPECIFIC CONDUCTANCE..... 2640

TOTAL DISSOLVED SOLIDS... 1740

CHARGE IMBALANCE (% DIFF)... 3.3

ANALYSIS IN PPM

AG..... Ca3..... 10.

AL..... CH.....

FE..... 6.

DE..... F..... 0.08

CA..... 61. MCu3..... 1270.

CL..... 237.

CO..... K..... 51.

OTHER ANALYTICAL DATA... SAP = 16.8, MSC = 17.15

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... COHEN, 1963

RECORD 00398

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... OLD BUG RANCH, HOT SPRING

LOCATION..... TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 46N 028E 18 NW

STATE..... NEVADA

COUNTY..... HUMBOLDT

MAP REFERENCE..... RAILROAD POINT 1:62500

OTHER LOCALITY INFORMATION: NE OF 3 SPRINGS.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1953/09/03 HEWETT, J. F.

POINT OF COLLECTION... POOL 50 FT. EAST OF HENRY MAUCH'S HOUSE

TEMPERATURE (C)..... 99.0

DISCHARGE..... 5.7

PERTINENT LITHOLOGY..... WATER FROM PLAYA SEDIMENTS.

WATER ANALYSIS

DATE/ANALYST..... 1953/09/29 MARTIN, R. W.

pH..... 8.2

SPECIFIC CONDUCTANCE..... 925

ALKALINITY..... 20. AS CaCO3

GEOTHERM FILE ID: 0000929

COORDINATES

LAT/LONG... 41-54.8 N 116-47.3 W

TOTAL DISSOLVED SOLIDS... 712.

CHARGE IMBALANCE (% DIFF)... 3.1

ANALYSIS IN PPM

AG....	CO3.....	LI... N			
AL....	CR.....	MG... 0.3			
B.... 3.5	F..... 7.0	NA... 186.	SiO2..	109.	
HE....	FE(TOT)...	NO... 504..		238.	
CA.... 10.	HCO3.... 152.	NO3.. 0.2			
CD....	H2S.....				
CL....					
CO....	K..... 8.2				

OTHER ANALYTICAL DATA... $\rho = 1.608$ OF EQ.

QUALIFICATION FIELD... BUBBLES SLIGHTLY WITH H2S.

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA

COMPILED AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE... WHITE, D., USGS, MENLO PARK

RECORD 00399

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... QUINN RIVER CROSSING RANCH WELL B-1

GEOTHERM FILE ID: 0074747

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 42N 03E 11 NW

LAT/LONG... 41-31.95 N 118-28.5 W

STATE... NEVADA

COUNTY... HUMBOLDT

GEOLOGIC PROVINCE... 22

MAP REFERENCE... QUINN RIVER CROSSING 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1960/10/08

TEMPERATURE (C)... 23.9

WELL DEPTH (M)... 107.

DISCHARGE... 544. L/MIN

WATER ANALYSIS

PH... 7.7

SPECIFIC CONDUCTANCE... 259.

TOTAL DISSOLVED SOLIDS... 244.

CHARGE IMBALANCE (% DIFF)... 0.7

ANALYSIS IN PPM

AG....	CO3..... N				
AL....	CR.....	MG... 2.4			
B.... 0.11	F..... 0.6	NA... 34.	SiO2..	65.	
HE....	FE(TOT)...	NO... 504..		25.	
CA.... 18.	HCO3.... 104.	NO3.. 0.8			
CL.... 15.					
CO....	K..... 4.8				

ISOTOPES (0/001)

OTHER ANALYTICAL DATA... SAP = 2.0, WSC = 0.63

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, B. A.

COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... SINCLAIR, 1962C

RECORD 00400

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... ROSE CREEK AREA WELL

GEOTHERM FILE ID: 0074096

LOCATION
 COUNTRY..... UNITED STATES 35N 036E 27 NW OF NW NW
 STATE..... NEVADA
 COUNTY..... HUMBOLDT
 GEOLOGIC PROVINCE... 22
 MAP REFERENCE..... ROSE CREEK 1:62500
 OTHER LOCALITY INFORMATION: ABOUT 1.75 MILES WEST OF ROSE CREEK

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1961/07/19
 POINT OF COLLECTION... WINDMILL
 TEMPERATURE (C)..... 27.8
 ELL DEPTH (M)..... 30.

WATER ANALYSIS

PH..... 7.8
 SPECIFIC CONDUCTANCE..... 3030.
 TOTAL DISSOLVED SOLIDS... 1880.
 CHARGE IMBALANCE (6 DIFF)... 1.8

ANALYSIS IN PPM

AG.... CO3..... N
 AL.... CD.....
 H.... 7.8 F..... 4.8
 HE.... FE(TOT)... 0.05
 CA.... 117. MCU3.... 1610.
 CL.... 225. K..... 60.
 CO....

ISOTOPES (0/000)

MG.... 48.
 NA.... 512. S102. 36.
 NO.... 504. 59.
 NO3.. 1.0

OTHER ANALYTICAL DATA... SAP = 10.1

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, H. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... CUMEN, 1962

RECORD 00401

GEOHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... ROSE CREEK AREA WELL

LOCATION

COUNTRY..... UNITED STATES 35N 036E 21 NW OF SE NW
 STATE..... NEVADA
 COUNTY..... HUMBOLDT
 MAP REFERENCE..... ROSE CREEK 1:62500

OTHER LOCALITY INFORMATION: 2.5 MILES WNW OF ROSE CREEK: WINDMILL SYMBOL ON MAP

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1961/07/19
 TEMPERATURE (C)..... 28.9
 ELL DEPTH (M)..... 8.8

WATER ANALYSIS

PH..... 7.9
 SPECIFIC CONDUCTANCE..... 2120.
 TOTAL DISSOLVED SOLIDS... 1260.

ANALYSIS IN PPM

AG.... CO3..... N
 AL.... CH.....
 H.... F.....
 HE.... FE(TOT)... 974.
 CA.... 43. MCU3....
 CL.... 183.

ISOTOPES (0/000)

MG.... 15.
 NA.... 420.
 NO.... 504. 80.

GEOHERM FILE 10: 0074695

CO.... 29.
 QUALIFICATION FIELD.... SAR = 6.9
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... COHEN, 1962

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... ROSE CREEK SPRING

LOCATION

COUNTRY..... UNITED STATES 35° 03' E 28
 STATE..... NEVADA
 COUNTY..... HUMBOLDT
 GEOLOGIC PROVINCE... 22

COORDINATES

LAT/LONG... 40-52.4 N 117-50.2 W
 UTM ZONE... 11
 NORTHING... 4524907.
 421072.

MAP REFERENCE..... ROSE CREEK 1:62500

OTHER LOCALITY INFORMATION: 2 MI. SOUTH OF ROSE CREEK RR OVERPASS ON U.S. 40.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1957/05/22

TEMPERATURE (C)..... 22.0

DISCHARGE..... L/MIN

DEPOSITS OR ALTERATION.... HAS DEPOSITED TRAVERTINE MN AND W. BY ALLUVIUM.

OTHER SAMPLE INFORMATION... MINOR SEDIMENT WHEN COLLECTED.

WATER ANALYSIS

DATE/ANALYST..... 1958/02/07 SCHUCH, J. P.

P..... 6.4

SPECIFIC CONDUCTANCE..... 2690.

ALKALINITY..... 268.

TOTAL DISSOLVED SOLIDS... 1740.

CHARGE IMBALANCE (% DIFF)... 2.8

ANALYSIS IN PP.M

AG.....	CO3..... N	LI.....	1.0		
AL..... N	CR.....	MG.....	27.		
AS..... N	CS.....	MN.....	0.2		
A..... 9.0	F..... 5.5	NA.....	570.	SiO2.	70.
HA..... N					
RE.....	Fe(TOT)..... 0.5	NB.....		SO4...	102.
RI.....	GA.....	NH4...	0.7	SH...	N
BR..... 0.2					
CA..... 62.	HCO3..... 1200.	NO3...	0.8	TI...	0.03
CO.....	H2S.....	PO4...	0.8		
CL..... 235.	I..... N				
CO.....	K..... 19.				

ISOTOPES (U/100)

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... WHITE, D., USGS, MENLO PARK

RECORD 00403

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SUD HOUSE RANCH WELL

LOCATION

COUNTRY..... UNITED STATES 41N 03E 20 NE
 STATE..... NEVADA

COORDINATES

LAT/LONG... 41-25.2 N 118-03.0 W
 UTM ZONE... 11

GEOTHERM FILE 10: 0074750

COUNTY..... HUMBOLDT
GEOLOGIC PROVINCE... 22
MAP REFERENCE..... HOTILE CREEK 1 NE 1124000
OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1954/10/26
TEMPERATURE (C)..... 27.
ELEVATION (M)..... 34.

WATER ANALYSIS

P..... 9.0
SPECIFIC CONDUCTANCE..... 941.
TOTAL DISSOLVED SOLIDS... 541.
CHARGE IMBALANCE (X DIFF)... 0.3

ANALYSIS IN PPM

AG..... CO3..... 36.
AL..... C4.....
B..... F..... 1.4
HE..... FE(TOT)...
CA..... 2.2 MC03..... 211.
CL..... 106.
CO..... 18.

ISOTOPES (0/00)

MO... 0.8
NA... 197.
NB... 70.
NO3... 0.2

SI02... 4.8
S04... 70.

OTHER ANALYTICAL DATA... SAR = 28. RSC = 4.55

QUALIFICATION FIELD..... WATER FROM OTHER WELLS IN DESERT VALLEY AVERAGED ABOUT 60 DEG F. SPRINGS AVERAGED 58 DEG F.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOEHLER, B. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... SINCLAIR, 1962A

RECORD 00404

GEO THERM 4 SAMPLE FILE

NAME OF SAMPLE SOURCE... SOLDIER MEADOWS AREA HOT SPRING

GEO THERM FILE NO: 0074145

LOCATION

COUNTRY..... UNITED STATES
STATE..... NEVADA
COUNTY..... HUMBOLDT
MAP REFERENCE..... MUD MEADOW 1124000

TOWNSHIP-RANGE
40N 024E 23

COORDINATES

LAT/LONG... 41-21.58 N 119-13.08 W

OTHER LOCALITY INFORMATION: LOCATION APPROX.
SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 54.
DISCHARGE..... 48. L/MIN

WATER ANALYSIS

P..... 8.6
SPECIFIC CONDUCTANCE..... 360.
TOTAL DISSOLVED SOLIDS... 215.

ANALYSIS IN MG/L

AG..... CO3..... 3.
AL..... C4.....
H..... 0.6 F..... 12.
HE..... FE(TOT)...
CA..... 3.5 MC03..... 90.
CL..... 14.
CO..... 1.

ISOTOPES (0/00)

MO... 1.1
NA... 74.
NB... 35.
NO3... 35.

SI02... 63.
S04... 35.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... L.S. GRISE AND MILLER, 1975H

GEOCHEM SAMPLE FILE

NAME OF SAMPLE SOURCE..... SOLDIERS MEADOW AREA - UNNAMED HOT SPRING

GEOCHEM FILE NO: 00406

LOCATION..... TOWNSHIP RANGE

COUNTRY..... UNITED STATES..... 40N 024E 23

STATE..... NEVADA

COUNTY..... HUMBOLDT

GEOLOGIC PROVINCE..... 22

MAP REFERENCE..... MUD MEADOW 1:25000

OTHER LOCALITY INFORMATION: CO-ORDINATES PLOTTED FROM CENTER OF SECTION, LOCATION NOT PRECISE

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/10/00 MARINER'S GROUP

TEMPERATURE (C)..... 54.0

DISCHARGE..... 50 L/MIN

WATER TREATMENT..... PRESSURE FILTERED THROUGH A 4.5 MICROMETER MEMBRANE FILTER, DILUTED

DEPOSITS OR ALTERATION..... NO SPRING DEPOSITS DETECTED

PARENT LITHOLOGY..... QUATERNARY ALLUVIUM, TERTIARY FLUWS AND TUFFS

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

PH..... 8.6

SPECIFIC CONDUCTANCE..... 363

CHARGE BALANCE (% DIFF)..... 4.8

ANALYSIS IN %

AG.....	CO3.....	3.0	LI.....	0.17	SI.....	
AL.....	CA.....		MG.....	0.01	SH.....	
AS.....	CS.....	0.01	NA.....	0.02		
AT.....	CU.....	0.01				
H.....	F.....	1.2			SEJ2.....	6.3
HE.....	FE(TOT).....	0.02	NB.....		SO4.....	4.0
HI.....	GA.....		VM.....	0.13	SR.....	0.05
HR.....						
CA.....	HCO3.....	92.0				
CAMG.....	HG.....	0.0001				
CD.....	H2S.....		PUM.....	0.12		
CL.....	LI.....	0.01				
CU.....	NI.....	0.01	NB.....	0.02		

ENVELOPES (CM/IN)

DEL D OF WATER..... -129.9
DEL D(10) OF WATER..... -10.00

GAS ANALYSIS

DATE/ANALYST..... 1972/10/00 BARNES GROUP

ANALYSIS IN VOLUME %

CH4..... 1.0

C2H6.....

CO2..... 1.0

N2..... 93.0
O2..... 0.7

ENVELOPES (CM/IN)

QUALIFICATION FIELD..... U2 = 02 + M

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILED AFFILIATION..... U.S. GEOLOGICAL SURVEY

COMPILED CROSS INDEX..... NEM-363

REFERENCE..... MARINER AND OTHERS, 1974H MARINER AND OTHERS, 1975

RECORD 00406

GEOCHEM SAMPLE FILE

NAME OF SAMPLE SOURCE..... SOLDIERS MEADOW AREA HOT SPRING

GEOCHEM FILE NO: 0074142

101101
COUNTRY..... UNITED STATES
STATE..... NEVADA
COUNTY..... HUMBOLDT
MAP REFERENCE..... MOD MEADOW 1:24000
OTHER LOCALITY INFORMATION: LOCATION APPROX.
SAMPLE DESCRIPTION AND CONDITIONS
TEMPERATURE (C)..... 48
OTHER SAMPLE INFORMATION: NUMEROUS HOT SPRINGS IN ALL PARTS OF SECTION 23.

AT-B ANALYSIS
P4..... 7.6
SPECIFIC CONDUCTANCE..... 360.
TOTAL DISSOLVED SOLIDS..... 272.
C-ARGE IMBALANCE (+ DIFF)..... 2.3

ANALYSIS IN MG/L
AG..... CO3.....
AL..... CR.....
H..... F.....
HE..... FE(TOT).....
CA..... HCO3.....
CL..... 21.
CO..... K.....

ISOTOPES (0/00)
MG... 1.4
NA... 76.
NO... 504.
SIJ2... 63.
S04... 39.

REFERENCE AND IDENTIFICATION
COMPILED BY..... FLYNN, J.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... GROSE AND KELLER, 1975B

RECORD 00407

OTHER SAMPLE FILE

NAME OF SAMPLE SOURCE... THE HOT SPRING
CAIION

GEO THERM FILE 101 0000647

COUNTRY..... UNITED STATES
STATE..... NEVADA
COUNTY..... HUMBOLDT
GEOLOGIC PROVINCE... 22
MAP REFERENCE..... HOT SPRINGS PEAK 1:62500
SAMPLE DESCRIPTION AND CONDITIONS
DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP
TEMPERATURE (C)..... 58.0
WATER TREATMENT..... PRESSURE FILTERED THROUGH A .1 MICROMETRE MEMBRANE FILTER, DILUTED
PERTINENT LITHOLOGY..... ROCK TYPES: VOLCANIC FLOWS, SEDIMENTARY ROCKS.

AT-B ANALYSIS
DATE/ANALYST..... 1972/00/00 BARNES GROUP
P4..... 8.0
SPECIFIC CONDUCTANCE..... 1340.
ALKALINITY..... AS HCO3

ANALYSIS IN MG/L
AG..... CO3.....
AL..... CR.....
H..... F.....
HE..... FE(TOT).....
CA..... HCO3.....
CL..... 29.
CO..... K.....

ISOTOPES (0/00)
DEL D OF WATER..... -134.6
DEL O(18) OF WATER... -16.44

REFERENCE AND IDENTIFICATION

DATE/ANALYST..... 1972/00/00 BARNES GROUP
P4..... 8.0
SPECIFIC CONDUCTANCE..... 1340.
ALKALINITY..... AS HCO3
ANALYSIS IN MG/L
AG..... CO3.....
AL..... CR.....
H..... F.....
HE..... FE(TOT).....
CA..... HCO3.....
CL..... 29.
CO..... K.....

REFERENCE AND IDENTIFICATION

COMPILED BY..... SAMPFORD, LINDA
COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
REFERENCE..... MARINER AND OTHERS, 1974B; MARINER AND OTHERS, 1975

RECORD 00408

GEOTHERM SAMPLE FILE

GEOTHERM FILE 10: 0074044

NAME OF SAMPLE SOURCE... THE HOT SPRINGS

WATERING NUMBER..... 11

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 41N 041E 19 NE OF NE

LAT/LONG... 41-25.25 N 117-23.2 W

STATE..... NEVADA

COUNTY..... HUMBOLDT

MAP REFERENCE..... HOT SPRINGS PEAK 1:62500

OTHER LOCALITY INFORMATION: SPRING IS NEAR GAUGING STATION ON BANK OF HUMBOLDT RIVER, 12 MILES S.E. OF PARADISE VALLEY POST OFFICE.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 54.4

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WARING, 1965

RECORD 00409

GEOTHERM SAMPLE FILE

GEOTHERM FILE 10: 0074044

NAME OF SAMPLE SOURCE... THE HOT SPRINGS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 41N 041E 19 NE OF NE

LAT/LONG... 41-25.25 N 117-23.2 W

STATE..... NEVADA

COUNTY..... HUMBOLDT

MAP REFERENCE..... HOT SPRINGS PEAK 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1945/03/14

TEMPERATURE (C)..... 57.2

DISCHARGE..... 227. L/MIN

WATER ANALYSIS

TOTAL DISSOLVED SOLIDS... 930.

ANALYSIS IN PPM

AL..... CR..... MG... 8.9

B..... 2.5 F..... NA... 334.

BE..... FE(TOT). NO... 504.. 34.

CA..... 26. HCO3... 920.

CL... 26.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... LOELTZ AND OTHERS, 1949

RECORD 00410

GEOTHERM SAMPLE FILE

GEOTHERM FILE 10: 0074037

NAME OF SAMPLE SOURCE... THE HOT SPRINGS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 41N 041E 19 SW OF NE

LAT/LONG... 41-25.25 N 117-23.2 W

STATE..... NEVADA

COUNTY..... HUMBOLDT
WATER REFERENCE..... HOT SPRINGS PEAK 1162500
OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.36 MI

SAMPLE DESCRIPTION AND CONDITIONS
DATE/COLLECTOR..... 1945/08/14
TEMPERATURE (C)..... 57.2

WATER ANALYSIS

ANALYSIS IN PPM

AL....	CH....	MG....	845		
BA....	FE+3....	NA+K....	334		
SE....	FE(TOT)....	NB....	504	3	
CA.... 26	HCO3.... 920				
CL.... 26					

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... HARRILL AND MOORE, 1970

RECORD 00411

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... U.S.G.S. TEST WELL NO. 21

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 42N 03E 32 SE OF NE
STATE..... NEVADA
COUNTY..... HUMBOLDT
GEOLOGIC PROVINCE... 22
LAT/LONG... 41-28.30 N 118-17.08 W

WATER REFERENCE..... BOTTLE CREEK 1162500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1954/10/05
TEMPERATURE (C)..... 24.4
WELL DEPTH (M)..... 27

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 1620
TOTAL DISSOLVED SOLIDS... 1180
CHARGE IMBALANCE (% DIFF)... 1.8

ANALYSIS IN PPM

AG....	CO3.... N				
AL....	CH....	MG....	5.2		
B.... 1.7	F.... 0.9	NA....	416	5102	39
HE....	FE(TOT).... 0.04	NB....		504	104
CA.... 32	HCO3.... 885	NO3....	0.2		
CL.... 59					
CO....	K.... 11				

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... SAR = 18, RSC = 12

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... MALMBERG AND WORTS, 1966

RECORD 00412

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 37N 039E 03 SE
LAT/LONG... 41-06.5 N 117-34.1 W

GEOTERM FILE ID: 0074045

STATE..... NEVADA
 COUNTY..... HUMBOLDT
 GEOLOGIC PROVINCE... 22
 MAP REFERENCE..... BLISS 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.35 MILES
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1967/10/25
 TEMPERATURE (C)..... 70.0
 WELL DEPTH (M)..... 19.
 DISCHARGE..... 8. L/MIN
 OTHER SAMPLE INFORMATION: WELL DRILLED AT SITE OF SMALL SPRING THAT CEASED TO FLOW AFTER WELL WAS DRILLED.
 WATER ANALYSIS
 TOTAL DISSOLVED SOLIDS... 1250.
 ANALYSIS IN PPM
 AL.... CA..... MG... 10.
 B.... F..... NA... 467.
 HE.... FE(TOT)... NB... 504... 73.
 CA.... 29. HCO3.... 1240.
 CL.... 22.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... LUELTZ AND OTHERS, 1969

RECORD 00413

GEOTHERM FILE 101 0074094

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... (UNNAMED) SPRING

WATERING NUMBER..... 190

LOCATION

COUNTRY..... UNITED STATES 36N 041E 02 SW OF NE NE

STATE..... NEVADA

COUNTY..... HUMBOLDT

GEOLOGIC PROVINCE... 22

MAP REFERENCE..... US6000 MTNS. 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1961/08/08

TEMPERATURE (C)..... 21.1

DISCHARGE..... 95. L/MIN

OTHER SAMPLE INFORMATION.. 2 THERMAL SPRINGS.

WATER ANALYSIS

P1..... 9.2

SPECIFIC CONDUCTANCE..... 2340.

TOTAL DISSOLVED SOLIDS... 1500.

CHARGE IMBALANCE 16 DIFF... 1.9

ANALYSIS IN PPM

AG.... CO3..... 143.

AL.... CR.....

B.... 4.6 F..... 16. MG... N

HE.... FE(TOT)... N NA... 620. SI02. 34.

CA.... 2. HCO3.... 1080. NB... 504.. 96.

CL.... 46. NO3.. N

CO.... K..... 3.5

OTHER ANALYTICAL DATA... SAR = 117.3

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

ISOTOPES (0/000)

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE... CMEH-1962

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING

LOCATION
COUNTRY... UNITED STATES 33N 04E 05 SE

STATE... NEVADA

COUNTY... HUMBOLDT

MAP REFERENCE... GOLON CREEK 1:24000

OTHER LOCALITY INFORMATION: NEAR HOT SPRINGS RANCH

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1972/00/00 MARINER'S GROUP

TEMPERATURE (C)... 85.0

DISCHARGE... 100 L/MIN

WATER TREATMENT... PRESSURE FILTERED THROUGH A .45 MICROMETRE MEMBRANE FILTER, DILUTED

DEPOSITS OR ALTERATION... CaCO₃ APRON DEPOSITS; ALSO TRACES OF SILICA

PERTINENT LITHOLOGY... CAMBRIAN PHYLLITIC SHALE

OTHER SAMPLE INFORMATION... MIXED WATER?

WATER ANALYSIS

DATE/ANALYST... 1972/00/00 BARNES GROUP

P... 8.4

SPECIFIC CONDUCTANCE... 1060

ALKALINITY... AS HCO₃

ANALYSIS IN MG/L

AG...	CO ₃ ...	LI...	1.2	S...	
AL...	CR...	MG...	0.9	SB...	
AS... 0.06	CS... 0.3	MN...	0.08		
AU...	CU... 0.07				
H... 2.0	F...	NA...	200.	SI02...	125.
HE...	FE(TOT)... 0.18	NO...		SO4...	140.
BI...	GA...	NH4...	0.	SR...	0.4
BR... 0.1					
CA... 16.	HCO ₃ ... 345.				
CD...	H2S...	PO4...	0.12		
CL... 41.	I... 0.01				
CO...	K... 18.	K...	0.18		

ISOTOPES (0/00)

DEL D OF WATER... -131.4
DEL D(16) OF WATER... -15.74

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINUA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE... MARINER AND OTHERS, 1974B; MARINER AND OTHERS, 1975

RECORD 00415

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING NEAR GOLCONDA

LOCATION
COUNTRY... UNITED STATES 36N 04E 33 NW

STATE... NEVADA

COUNTY... HUMBOLDT

MAP REFERENCE... GOLCONDA 1:24000

OTHER LOCALITY INFORMATION: 1/2 MI. N OF GOLCONDA

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1957/05/16 WHITE AND BAILEY

COORDINATES

LAT/LONG... 40-57.69 N 117-29.63 W

GEOTHERM FILE ID: 0000917

TEMPERATURE (C)..... 10.7
WATER ANALYSIS
DATE/ANALYST..... 1957/08/20 ROBERSON, C. E.
P..... 6.7
SPECIFIC CONDUCTANCE..... 856.
ALKALINITY..... 114. AS CaCO3
TOTAL DISSOLVED SOLIDS..... 572.
CHARGE IMBALANCE (% DIFF).... 91.0
ANALYSIS IN PPM

AG.....	CO3.....	N	LI.....	0.5
AL.....	CR.....		MG.....	7.8
AS..... 0.01	CS.....		MN.....	0.1
BA..... 1.5	F.....	2.0	NA.....	148.
BE.....	FE(TOT).....	N	NB.....	
BI.....	GA.....		NH4.....	0.1
BR..... 0.5				
CA..... 33.	HCO3.....	4.	NO3.....	3.
CL..... 2.0	I.....	N		
CO.....	K.....	22.		

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... NO2 0.3 PPM
REFERENCE AND IDENTIFICATION
COMPILED BY..... SANFORD, LINDA
COMPILE AFFILIATION... U.S. GEOLOGICAL SURVEY
REFERENCE..... WHITE, D. USGS, MENLO PARK

RECORD 00415

GEOTERM. SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING NEAR GOLCONDA

GEOTERM FILE ID: 0000649

LOCATION

TOWNSHIP-RANGE

COUNTYNAILS

COUNTRY..... UNITED STATES 36N 040E 29 SW 1/4 SE
STATE..... NEVADA
COUNTY..... HUMBOLDT
GEOLOGIC PROVINCE... 22

LAT/LONG... 40-57.66 N 117-29.63 W

MAP REFERENCE..... GOLCONDA 1124000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP

TEMPERATURE (C)..... 74.0

DISCHARGE..... 750. L/MIN

WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETER MEMBRANE FILTER, DILUTED

DEPOSITS OR ALTERATION... CaCO3 APRON DEPOSITED

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM, CAMBRIAN QUANTZITE, TERTIARY VOLCANIC ROCKS

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

P..... 6.5

SPECIFIC CONDUCTANCE..... 810.

ALKALINITY..... 430. AS HCO3

ANALYSIS IN MG/L

AG.....	CO3.....	1.0	LI.....	0.36	S.....	
AL..... 0.002	CR.....		MG.....	0.8	SD.....	
AS..... 0.02	CS.....	0.2	MN.....	0.1		
BA.....	CU.....	0.05				
BE..... 1.1	F.....	1.8	NA.....	130.	SI02.	60.
BI.....	FE(TOT).....	0.22	NB.....		SO4..	50.
BR..... 0.02	GA.....		NH4.....	0.39	SR...	0.72

ISOTOPES (0/00)

DEL D OF WATER..... -125.5
DEL U(18) OF WATER... -15.05

CR-MG- H25 0.0008
CO- H25 0.005
CL- 18- 0.005
CO- 22- 0.005

GAS ANALYSIS

DATE/ANALYST..... 1974/UNMO GARNES GROUP

ANALYSIS IN VOLUME %

CH4- 1-
C2H6- 12- 58-
CO2- 38- 02- 04-

QUALIFICATION FIELD..... 02 = 02 - AR

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

COMPILER CROSS INDEX... NEH-480

REFERENCE..... MARINER AND OTHERS, 1974; MARINER AND OTHERS, 1975

RECORD 00417

GEOCHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRINGS

GEOCHEM FILE ID: 0074433

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE

STATE..... NEVADA

COUNTY..... HUMBOLDT

MIP REFERENCE..... HOT SPRT 1524000

COORDINATES

LAT/LONG... 40-55.25 N 117-00.5 W

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.01 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 35.0

DISCHARGE..... 214.4 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... HRAUBERRY, 1954

RECORD 00418

GEOCHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED SPRING

GEOCHEM FILE ID: 0074079

WELLING NUMBER..... T2A

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE

STATE..... NEVADA

COUNTY..... HUMBOLDT

MIP REFERENCE..... DOUBLE HOT SPRINGS 1524000

COORDINATES

LAT/LONG... 41-07.4 N 117-00.1 W

OTHER LOCALITY INFORMATION: 3 SPRINGS 1/2 MILE APART NEAR BASE OF WEST FLANK OF BLACK HUCK RANGE

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 50

DISCHARGE..... 11 L/MIN

QUALIFICATION FIELD..... TEMPERATURE RANGE IS 54.4 - 65.0 C

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... MARINER, 1955

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED SPRING

LOCATION

COUNTRY..... UNITED STATES 36N U24E 28 SW OF SE

STATE..... NEVADA

COUNTY..... HUMBOLDT

GEOLOGIC PROVINCE...

MAP REFERENCE..... PAUTE MEADOWS 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 21.7

DISCHARGE..... 38 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GANSIUE AND SCHILLING, 1979

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED SPRING

LOCATION

COUNTRY..... UNITED STATES 36N U40E 29 SW OF SW SE

STATE..... NEVADA

COUNTY..... HUMBOLDT

MAP REFERENCE..... GOLCHUDA 1:24000

OTHER LOCALITY INFORMATION: FIELD EAST OF ROAD TO EDEN VALLEY

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1954/10/20 FETH, J. AND ROGERS, S.

TEMPERATURE (C)..... 27.0

WATER ANALYSIS

DATE/ANALYST..... 1958/11/03 WHITEHEAD, H. C.

SPECIFIC CONDUCTANCE..... 818.

ALKALINITY..... 126.

TOTAL DISSOLVED SOLIDS... 545.

CHARGE IMBALANCE (% DIFF)... 0.5

ANALYSIS IN PPM

AG..... CO3..... 4

AL..... CR.....

B..... F..... 1.8

SE..... FE(TOT)... 502.

CA..... 38. HCO3..... 430.

CL..... 24. NO3..... 0.1

CO..... 19.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILED AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... WHITE, D., USGS, MENLO PARK

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED SPRING

LOCATION

COUNTRY..... UNITED STATES 36N U40E 29 SW OF SW SE

STATE..... NEVADA

COUNTY..... HUMBOLDT

MAP REFERENCE..... GOLCHUDA 1:24000

OTHER LOCALITY INFORMATION: FIELD EAST OF ROAD TO EDEN VALLEY

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1954/10/20 FETH, J. AND ROGERS, S.

TEMPERATURE (C)..... 27.0

WATER ANALYSIS

DATE/ANALYST..... 1958/11/03 WHITEHEAD, H. C.

SPECIFIC CONDUCTANCE..... 818.

ALKALINITY..... 126.

TOTAL DISSOLVED SOLIDS... 545.

CHARGE IMBALANCE (% DIFF)... 0.5

ANALYSIS IN PPM

AG..... CO3..... 4

AL..... CR.....

B..... F..... 1.8

SE..... FE(TOT)... 502.

CA..... 38. HCO3..... 430.

CL..... 24. NO3..... 0.1

CO..... 19.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILED AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... WHITE, D., USGS, MENLO PARK

RECORD 00420

GEO THERM FILE ID: 000922

COORDINATES

LAT/LONG... 40-57.66 N 117-29.63 W

ISOTOPES (0/001)

RECORD 00421

GEO THERM FILE ID: 0074709

LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE COORDINATES
 STATE..... NEVADA 36N 037E 13 SE OF NE SW 40-59.57 N 117-
 COUNTY..... HUMBOLDT
 GEOLOGIC PROVINCE.. 22
 MAP REFERENCE..... ROSE CREEK 1:62500
 OTHER LOCALITY INFORMATION: EAST SLOPE OF WINNEMUCCA Mtn.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1961/07/20
 TEMPERATURE (C)..... 13.9

WATER ANALYSIS

PH..... 7.7
 SPECIFIC CONDUCTANCE..... 1540.
 TOTAL DISSOLVED SOLIDS..... 1040.
 CHARGE IMBALANCE (% DIFF).... 0.1

ANALYSIS IN PPM

AG.....	CO3.....	4			
AL.....	CA.....	40	38		
BA.....	CL.....	0.3	NA.....	140	25
BE.....	FE(TOT).....	N	NO.....	504	370
CA.....	HC03.....	211	NO3.....	20	
CL.....					
CO.....	K.....	2.0			

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... SAR = 1.2

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... CUMEN 1962

RECORD 00422

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... INNAMED SPRING
 WIRING NUMBER..... 10A

GEO THERM FILE 101 0074748

LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE COORDINATES
 STATE..... NEVADA 42N 033E 19 SW OF SE LAT/LONG... 41-2.53 N 118-19.15 W
 COUNTY..... HUMBOLDT
 GEOLOGIC PROVINCE.. 22
 MAP REFERENCE..... BOTTLE CREEK 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1963/10/07
 TEMPERATURE (C)..... 21.1

DISCHARGE..... E. 19. L/MIN

WATER ANALYSIS

PH..... 8.1
 SPECIFIC CONDUCTANCE..... 1900.
 TOTAL DISSOLVED SOLIDS..... 1290.
 CHARGE IMBALANCE (% DIFF).... 0.4

ANALYSIS IN PPM

AG.....	CO3.....	N			
AL.....	CA.....		MG.....	6.3	
BA.....	CL.....		NA.....	455	51
BE.....	FE(TOT).....	9.8	NO.....	504	264
CA.....	HC03.....	948	NO3.....	0.4	
CL.....					

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... SRP - 201-RSC-313.54
REFERENCE AND IDENTIFICATION
COMPILED BY..... KOENIG, B. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... SINCLAIR, 1962C

RECORD 00063

GEO THERM FILE #01 0074121

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 44N 03E 05 NE OF NE
STATE..... NEVADA
COUNTY..... HUMBOLDT
MAP REFERENCE..... DUFFER PEAK 1:62500
OTHER LOCALITY INFORMATION: ABOUT 1 MILE WEST OF HOWARD HOT SPRING

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1960/10/07
TEMPERATURE (C)..... 72.8
DISCHARGE..... 19 L/MIN

WATER ANALYSIS

PH..... 9.3
SPECIFIC CONDUCTANCE..... 398.
TOTAL DISSOLVED SOLIDS..... 344.
CHARGE IMBALANCE (% DIFF)..... 62.6

ANALYSIS IN PPM

AG.....	CO3.....	0.41					
AL.....	CR.....		40.....	N			
H..... 0.21	F.....	4.0	NA.....	90	SI02.	84.	
FE.....	FE(TOT).....		NB.....		SO4..	40.	
CA..... 3.2	HC03.....	58.	NU3..	0.2			
CL..... 12.							
CU.....	K.....	2.3					

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... SINCLAIR, 1962C

RECORD 00424

GEO THERM FILE #01 0074129

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 37N 02E 10 SE
STATE..... NEVADA
COUNTY..... HUMBOLDT
MAP REFERENCE..... DOUBLE HOT SPRINGS 1:24000
OTHER LOCALITY INFORMATION: LOCATION VAGUE

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1975/08/00
TEMPERATURE (C)..... 36.1

WATER ANALYSIS

PH..... 7.8
SPECIFIC CONDUCTANCE..... 440.
TOTAL DISSOLVED SOLIDS..... 321.

CHARGE IMBALANCE (% DIFF)... 5.3

ANALYSIS IN MG/L

AG..... CO3..... N

AL..... CR.....

H..... 0.2 F..... 1.5

HE..... FE(TOT).....

CA..... 1.0 HCO3..... 1.65

CL..... 32.0

CO..... K..... 11.0

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION..... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GROSE AND KELLER, 1975b

RECORD 00425

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED SPRING (U.M.-2)

GEOTHERM FILE 101 0074122

LOCATION..... TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 36N 026E 16 SE OF NE

STATE..... NEVADA

COUNTY..... HUMBOLDT

MAP REFERENCE..... DOUBLE HOT SPRINGS 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.791 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 14.5

WATER ANALYSIS

P..... 1.6

CHARGE IMBALANCE (% DIFF)... 2.4

ANALYSIS IN MG/L

AG..... CO3..... N

AL..... CR.....

H..... 2.1 F..... 10.0

HE..... FE(TOT).....

CA..... 17.0 HCO3..... 28.0

CL..... 11.0

CO..... K..... 4.5

ISOLUPES (U/UM)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION..... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GROSE AND KELLER, 1975b

RECORD 00426

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED WELL

GEOTHERM FILE 101 0074145

WELLING NUMBER..... 4

LOCATION..... TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 45N 033E 22 SW OF SE

STATE..... NEVADA

COUNTY..... HUMBOLDT

MAP REFERENCE..... TRIDE IT PEAK 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 0 24.0

DISCHARGE..... 449.4 L/MIN

PERTINENT LITHOLOGY..... SPRINGS ISSUE IN GRAVEL DOWN GRADIENT FROM THE CONTACT OF BEDROCK AND ALLUVIUM.

QUALIFICATION FIELD..... TEMPERATURE LISTED IS A MAXIMUM - GIVEN AS 76-83
PUMPED FROM NEARBY WELLS.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... ZONES, 1963; WARING, 1965

RECORD 00427

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 42N 030E 12 SW OF NE
STATE..... NEVADA
COUNTY..... HUMBOLDT
GEOLOGIC PROVINCE.. 22
MAP REFERENCE..... DUFFER PEAK 1162500
LAT/LONG... 41-31.5 N 118-34.2 W
UTM ZONE... 11
NORTHING... 4598017
EASTING... 369008

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1960/10/08
POINT OF COLLECTION... FLOWING INTO STOCK TANK
TEMPERATURE (C)..... 40.0
DISCHARGE..... 5.7 L/MIN

WATER ANALYSIS

P..... 8.3
SPECIFIC CONDUCTANCE..... 883.
TOTAL DISSOLVED SOLIDS... 600.

ANALYSIS IN PPM

AG.... CO3.... 7.
AL.... CK....
B.... 2.9 F.... 14. MG... 1.5
BR.... FE(TOT)... NA... 210. SI02. 125.
CL.... 54. HCO3.... 358. NO3.. 1.2
CO.... K..... 6.2

ISOTOPES (U/200)

QUALIFICATION FIELD..... FLOW ESTIMATED AT 1-2 GPM.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... SINCLAIR, 1962C

RECORD 00428

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... VIRGIN VALLEY CAMPGROUND NO. 1 WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 45N 026E 02
STATE..... NEVADA
COUNTY..... HUMBOLDT
GEOLOGIC PROVINCE.. 22
MAP REFERENCE..... BIG SPRING BUTTE 1162500
LAT/LONG... 41-51.20 N 119-00.05 W

OTHER LOCALITY INFORMATION: CENTER OF WEST 1/2 OF SECTION 2

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1970/00/00
TEMPERATURE (C)..... 32.2
OTHER SAMPLE INFORMATION.. SHOWERS IN CAMPGROUND SUPPLIED BY A HOT ARTESIAN WELL.

GEO THERM FILE NO: 007464

WATER ANALYSIS

TOTAL DISSOLVED SOLIDS... 115.
CHARGE IMBALANCE (% DIFF)... 4.4

ANALYSIS IN PPM

AG....	CO3.....	N	LI....	0.03
AL....	CH.....		MG....	N
AS... 0.007				
B.... 0.08	F.....	1.8	NA....	29.
BR....	FE(TOT)...		NB....	
CA.... 3.7	HCO3....	64.	SI02..	32.
CA+MG...	HG.....	N	SO4...	12.
CL.... 4.7				
CO....	K.....	0.4		

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... SAP = 4.2

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, H. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... CATHALL AND OTHERS, 1971

RECORD 00429

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... WARM SPRINGS

GEOTERM FILE ID: 0074135

LOCATION

COUNTRY..... UNITED STATES
STATE..... NEVADA
COUNTY..... HUMBOLDT
MAP REFERENCE..... RAILROAD POINT 1:24000
OTHER LOCALITY INFORMATION: NEAR GRIDLEY LAKE

TOWNSHIP-RANGE

44N J27E-12 NE OF SW SW

COORDINATES

LAT/LONG... 41-45.02 N 118-50.20 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1973/08/09

TEMPERATURE (C)..... 40.

OTHER SAMPLE INFORMATION... SMALL DISCHARGE OF WATER-BUBBLES UP FROM SANDY-BOTTOMED POOL. MANY SMALL CHUNKS OF OPALINE SILICA FOUND IN AREA. (REFERENCE IS A MAP. CHEMISTRY NOT VERIFIED.)

WATER ANALYSIS

PH..... 7.7
SPECIFIC CONDUCTANCE..... 175.

ANALYSIS IN PPM

AL....	CH.....		MG....	0.1
B....	F.....		NA....	32.
BR....	FE(TOT)...		NB....	
CA.... 1.4	HCO3....	4.68.	SI02..	61.
CL.... 7.			SO4...	13.
CO....	K.....	6.3		

ISOTOPES (0/00)

QUALIFICATION FIELD..... BICARBONATE TITRATED WITHIN 24 HOURS OF SAMPLING.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
COMPILER CROSS INDEX... NK-11-7-17
REFERENCE..... TREXLER AND OTHERS, 1974

RECORD 00430

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... WEST PINTO HOT SPRING

GEOTERM FILE ID: 0074178

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 40N 02E 17 NE OF SE SE
STATE..... NEVADA
COUNTY..... HUMBOLDT
MAP REFERENCE..... PINTO Mtn. 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 73.3
WATER ANALYSIS

P..... 7.7
SPECIFIC CONDUCTANCE..... 1500
CHARGE IMBALANCE (% DIFF)..... 1.5
ANALYSIS IN PPM
AG..... CO3..... 2. LI..... 0.05
AL..... CA..... 0.1
B..... 7. F..... 15. NA..... 325. SI02..... 102.
FE..... FETOT..... NO..... 504..... 130.
CA..... 5. HCO3..... 440.
CL..... 104.
CU..... K..... 26.

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILED AFFILIATION..... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... GRUSE AND KELLER, 1975

RECORD 00431

GEOCHEM FILE NO: 0000805

GEOCHEM SAMPLE FILE

NAME OF SAMPLE SOURCE..... WEST PINTO HOT SPRING

LOCATION

COUNTRY..... UNITED STATES 40N 02E 17 NE OF SE SE
STATE..... NEVADA
COUNTY..... HUMBOLDT
MAP REFERENCE..... PINTO Mtn. 1:24000

COORDINATES

LAT/LONG..... 41-21.75 N 118-47.28 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP
TEMPERATURE (C)..... 02.
DISCHARGE..... 100 L/MIN

WATER TREATMENT..... PRESSURE FILTERED THROUGH A .45 MICROMETER MEMBRANE FILTER, DILUTED

DEPOSITS OR ALTERATION..... CACU3 AND SILICA APRON DEPOSITED.

PERTINENT LITHOLOGY..... CHEFACEOUS OR TERTIARY GRANODIORITE AND TERTIARY BASALT

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

P..... 7.7
SPECIFIC CONDUCTANCE..... 1520.

ALKALINITY..... 430. AS HCO3

ANALYSIS IN MG/L

AG..... CO3..... 2.0 LI..... 0.05 S.....
AL..... 0.030 CA..... 0.1 MG..... 0.02 SB.....
AS..... 0.00 CS..... 0.03 NA..... 320. SI02..... 100.
AU..... CU..... 14. NO..... 504..... 130.
B..... 6.9 F..... 0.05 NH4..... 0.04 SH..... 0.23
FE..... FETOT.....
HI..... G2.....
BR..... 0.1 HCO3..... 430.
CA..... 0.00 MG..... 0.0006
CA-M3.....
CO..... H2S..... PO4..... 0.12

ISOTOPES (0/00)

DEL D OF WATER..... -128.2
DEL O(18) OF WATER..... -14.13

CL.... 16v..... 1.4
CO.... 25..... 0.28
QUALIFICATION FIELD.... LOW CALCIUM AND MAGNESIUM.
REFERENCE AND IDENTIFICATION
COMPILED BY..... SANFORD, LINDA
COMPILER AFFILIATION.... U.S. GEOLOGICAL SURVEY
REFERENCE..... MARINER AND OTHERS, 1974B; MARINER AND OTHERS, 1975

RECORD 00432

GEOTERM SAMPLE FILE

GEOTERM FILE 101 0074110

NAME OF SAMPLE SOURCE... WHEELER RANCH WELL
WELL/SPRING NUMBER..... 37/25-1001

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 37N 025E 10 SE
STATE..... NEVADA
COUNTY..... HUMBOLDT
GEOLOGIC PROVINCE...
MAP REFERENCE..... DOUBLE HOT SPRINGS 1:24000
OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1961/06/14
TEMPERATURE (C)..... 36.1

WATER ANALYSIS

P..... 7.8
SPECIFIC CONDUCTANCE..... 440
CHARGE IMBALANCE (% DIFF).... 5.3

ANALYSIS IN PP4

ISOTOPES (0/001)

AL.....	CA.....	MG.....	2.8		
AR.....	F.....	NA.....	75.	SI02.	79.
BE.....	FE(TOT).....	NB.....		S04..	28.
CA..... 9.0	HCO3.....	NO3.....			
CL..... 28.					
CO.....	K.....				

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION.... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... SINCLAIR, 1963A

RECORD 00433

GEOTERM SAMPLE FILE

GEOTERM FILE 101 0074117

NAME OF SAMPLE SOURCE... WHEELER RANCH WELL
WELL/SPRING NUMBER..... 37/25-1112

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 37N 025E 11 NW
STATE..... NEVADA
COUNTY..... HUMBOLDT
MAP REFERENCE..... DOUBLE HOT SPRINGS 1:24000
OTHER LOCALITY INFORMATION: BLACK ROCK DESERT AREA

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1951/02/30
TEMPERATURE (C)..... 39.5
WELL DEPTH (M)..... 92.4

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... SINCLAIR, 1963A

RECORD

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 000770

NAME OF SAMPLE SOURCE... UNNAMED WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 42N 03E 11 NW

STATE..... NEVADA

COUNTY..... HUMBOLT

GEOLOGIC PROVINCE... 22

MAP REFERENCE..... QUINN RIVER CROSSING 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1966/10/08

TEMPERATURE (C)..... 23.9

WATER ANALYSIS

pH..... 7.7

SPECIFIC CONDUCTANCE..... 259

TOTAL DISSOLVED SOLIDS... 244

CHARGE IMBALANCE (B DIFF)... 0.7

ANALYSIS IN PPM

AG....

CO3.....

AL....

CR.....

H..... 0.11

F..... 0.6

MG.... 2.4

HE....

FE(TOT).....

NA.... 34

SI02... 35

Ca... 18

HC03..... 104

Nd....

SO4... 25

CL.... 15

NU3... 0.8

CO....

K..... 4.8

OTHER ANALYTICAL DATA... SAR = 2.0, RSC = 0.63

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... SINCLAIR, 1963A

RECORD 00435

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0002134

NAME OF SAMPLE SOURCE... BATTLE MOUNTAIN CITY WELL

WELL/SPRING NUMBER..... 32/45-17CC2

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 32N 04E 17 SW OF SW

STATE..... NEVADA

COUNTY..... LANDER

MAP REFERENCE..... BATTLE MOUNTAIN 1:24000

LAT/LONG... 40-38.78 N 116-56.05 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1956/03/24

TEMPERATURE (C)..... 23.3

WELL DEPTH (M)..... 221

DISCHARGE..... 946 L/MIN

PERTINENT LITHOLOGY

HUMBOLT FORMATION, SAND AND GRAVEL INTERBEDDED WITH MARL, PUMICEOUS TUFF AND CLAY

WATER ANALYSIS

pH..... 8.0

SPECIFIC CONDUCTANCE..... 425

ALKALINITY..... 89

TOTAL DISSOLVED SOLIDS... 318

AS CaCO3

CHANGE 1-BALANCE (A DIFF) 1.1

ANALYSIS IN PPM

AG....	CO3.....	N					
AL....	CR.....		HG...	5.8			
AS....	CS.....		MN...	N			
H.....	F.....	0.4	NA...	50.	SI02.	85.	
HE....	FE(101)...	N	NB...		SO4...	37.	
CA....	HC03....	164.	NU3...	0.8			
CA+MG.	HG.....		PB...		U....	0.0031	
CO....	H2S.....		PU4...	N			
CL....	K.....	8.1					

OTHER ANALYTICAL DATA... RA 1 UUC/L

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... SCOTT AND BARKER, 1962

RECORD 00436

GEOOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BUFFALO SPRINGS

GEOOTHERM FILE ID: 0074267

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 29N 041E 06 NE OF SW NW
 STATE..... NEVADA
 COUNTY..... LANDER
 MAP REFERENCE..... BUFFALO SPRINGS 1:62500
 LAT/LONG... 40-25.03 N 117-24.95 W

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 72.

WATER ANALYSIS

ANALYSIS IN MG/L

AL....	CR.....		HG...		SB...	0.037
AS....	CS.....	0.150	MN...	0.030	SC...	0.00002
AU....	CU.....		MO...	0.004		
H.....	F.....		NA...	268.	SI02.	75.
HA....	FE(101)...	0.1				
HE....						
HR....						
CA....						
CA+MG.	HG.....		PB...		U....	0.00008
CL....	I.....		RA...		N....	0.068
CO....	K.....	29.	RB...	0.124		

ISOTOPES (0/001)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MULLENBERG AND OTHERS, 1977

RECORD 00437

GEOOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BUFFALO SPRINGS

GEOOTHERM FILE ID: 0074305

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 29N 041E 06 NE OF SW NW
 STATE..... NEVADA
 COUNTY..... LANDER
 MAP REFERENCE..... BUFFALO SPRINGS 1:62500
 LAT/LONG... 40-25.03 N 117-24.95 W

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 67.8

WATER ANALYSIS

ANALYSIS IN MG/L

AL....	0.025	CR.....	0.16u	MG...	0.010	SB...	0.02
AS....		CS.....		MN...	0.001	SC...	L 0.00002
AU....		CU.....		MO...	0.001	SI02..	81
BA....	0.135	FE.....		NA...	240		
BE....		FE(TOT) L	0.1				
BR....	0.070						
CA....	25						
CA+MG.		MG.....		PB...		U....	L 0.00014
CL....	25	I.....		RA...		W....	0.024
CO....		K.....	36	RB...	0.135		

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... WOLLENBERG AND OTHERS, 1977

RECORD 00438

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BUFFALO SPRINGS

GEO THERM FILE ID: 0074304

LOCATION

COUNTRY..... UNITED STATES 29N 041E 06 NE OF SW NW
 STATE..... NEVADA
 COUNTY..... LAYDER
 M.P. REFERENCE..... BUFFALO SPRINGS 1:62500

CORRINATES

LAT/LONG... 40-25.03 N 117-24.95 W

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 65.0

WATER ANALYSIS

ANALYSIS IN PP4

AL....	L 0.010	CR.....	0.16u	MG...	0.040	SB...	0.035
AS....		CS.....		MN...	0.001	SC...	L 0.00002
AU....		CU.....		MO...	277	SI02..	81
BA....	0.140	FE.....		NA...			
BE....		FE(TOT) L	0.250				
BR....	0.070						
CA....	25						
CA+MG.		MG.....		PB...		U....	L 0.00016
CL....	25	I.....		RA...		W....	0.033
CO....		K.....	27	RB...	0.130		

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... WOLLENBERG, H., BOWMAN, G., AND ASARO, F. (1977) GEOCHEMICAL STUDIES AT FOUR NORTHERN NEVADA HOT-SPRING AREAS: CALIF. UNIV. LAWRENCE BERKELEY LABORATORY REPORT 6828

RECORD 00439

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BUFFALO SPRINGS

GEO THERM FILE ID: 0074054

LOCATION

COUNTRY..... UNITED STATES 29N 041E 23 SE

CORRINATES

LAT/LONG... 40-22.02 N 117-19.53 W

ATF..... NEVADA
UNITY..... LANDER
P REFERENCE..... WINNEMUCCA 1:250000, BUFFALO SPRINGS 1:62500

LE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 72.2

R ANALYSIS

ALYSIS IN PPM

AL.....	CR.....	MG.....	SB.....	U.....
.....	F.....	NA.....	264.	0.064
HA.....	0.148	MO.....	PO.....	U.....
CA+MG.....	MO.....	PO.....	U.....	L 0.00016
CL.....	27.			

SENCE AND IDENTIFICATION

AMPLED BY..... FLYNN, T.
AMPLER AFFILIATION..... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... WOLLENBERG AND OTHERS, 1975

RECORD 00440

HEM SAMPLE FILE

ME OF SAMPLE SOURCE... BUFFALO SPRINGS

IRON

UNTRY..... UNITED STATES

TOWNSHIP-RANGE

29N 04E 06 NE OF SW NW

COORDINATES

LAT/LONG... 40-25.03 N 117-24.95 W

ATE..... NEVADA

UNITY..... LANDER

P REFERENCE..... BUFFALO SPRINGS 1:62500

LE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 72.0

R ANALYSIS

ALYSIS IN PPM

AL.....	CR.....	MG.....	SB.....	U.....
AS.....	L 0.010	CS.....	0.155	U.....
AU.....	CU.....	MN.....	0.030	SC.....
.....	F.....	MO.....	L 0.001	L 0.00062
HA.....	0.150	NA.....	269.	SI02.....
HE.....	FE(TOT).....			64.
HK.....	L 0.1			
CA.....	0.065			
CA+MG.....	25.			
CL.....	28.	MO.....	PO.....	U.....
CO.....	27.	NA.....	PO.....	L 0.00016
		KB.....	U.....	U.....
			U.....	U.....

SENCE AND IDENTIFICATION

AMPLED BY..... FLYNN, T.
AMPLER AFFILIATION..... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... WOLLENBERG AND OTHERS, 1977

RECORD 00441

HEM SAMPLE FILE

ME OF SAMPLE SOURCE... BUFFALO VALLEY HOT SPRINGS

IRON

UNTRY..... UNITED STATES

TOWNSHIP-RANGE

29N 04E 23 SE

COORDINATES

LAT/LONG... 40-22.02 N 117-19.53 W

ATE..... NEVADA

UNITY..... LANDER

P REFERENCE..... BUFFALO SPRINGS 1:62500

LE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP
TEMPERATURE (C)..... 49.0
DISCHARGE..... 1.1 L/MIN
WATER TREATMENT..... PRESSURE FILTERED THROUGH A .1 MICROMETRE MEMBRANE
DEPOSITS OR ALTERATION..... TRACES OF CaCO₃ DEPOSITS
PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM, BASALTS; TERTIARY TUFFS

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

P..... 6.5

SPECIFIC CONDUCTANCE..... 1530

ALKALINITY..... 814 AS HCO₃

A ANALYSIS IN MG/L

AG.....	CO ₃	LI.....	0.8	S.....
AL..... 0.010	CR.....	MG.....	4.9	SB.....
AS..... 0.01	CS..... 0.2	MN.....	0.00	
AU.....	CU..... 0.08			
H..... 2.3	F..... 4.8	NA.....	250.	SI0 ₂ 80.
HE.....	FE (TNT)..... 0.05	NB.....		SO ₄ 110.
BI.....	GA.....	NH ₄		SR..... 2.4
BR..... 0.1				
CA..... 45.	HCO ₃ 814.			
CA.....	HG..... 0.0001			
CL..... 29.	I..... 0.02			
CO.....	K..... 34.	KB.....	0.10	

ISOTOPES (0/00)

DELT D OF WATER..... -131.6

DELT O (10) OF WATER..... -15.85

GAS ANALYSIS

DATE/ANALYST..... 1974/00/00 BARNES GROUP

A ANALYSIS IN VOLUME %

CH₄..... 2.

C₂H₆.....

CO₂..... 60.

ISOTOPES (00/00)

12..... 95.
13..... 4.

OTHER ANALYTICAL DATA... N = 1.71 P = 0.02

QUALIFICATION FIELD..... 02 = 02 = AR.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILED AFFILIATION... U.S. GEOLOGICAL SURVEY

COMPILED CROSS INDEX... NEH-482

REFERENCE..... MARINER AND OTHERS, 1974; MARINER AND OTHERS, 1975

RECORD 00442

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BUFFALO VALLEY HOT SPRINGS

LOCATION

COUNTRY..... UNITED STATES 29 041E 23 SE

STATE..... NEVADA

COUNTY..... LANIER

TWP REFERENCE..... WINNEMUCCA 11250000, BUFFALO SPRINGS 1162500

SAMPLE DESCRIPTIONS AND CONDITIONS

TEMPERATURE (C)..... 45.0

WATER ANALYSIS

A ANALYSIS IN PPM

AL.....	CR.....	MG.....	SB.....	0.040
AS.....	CS..... 0.150			
B.....	F.....	NA..... 272.		
BA..... 0.134				
BR..... 0.062				

ISOTOPES (0/00)

GEO THERM FILE ID: 0074056

COORDINATES

LAT/LONG... 40-22.02 N 117-19.53 W

CLASS... 23...
REFERENCE AND IDENTIFICATION
COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... MULLENBERG AND OTHERS, 1975

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BUFFALO VALLEY HOT SPRINGS

LOCATION...
COUNTRY..... UNITED STATES 29N 04E 23 SE

STATE..... NEVADA

COUNTY..... LAMAR

MIP REFERENCE..... BUFFALO SPRINGS 1162500

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 47.8

WATER ANALYSIS

ANALYSIS IN PPM

AL..... CR..... MG.....

SI..... NA..... 275.

HA..... 0.127

HR..... 0.008

CA+MG.....

CL..... 24.

CO..... 0.150

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... MULLENBERG AND OTHERS, 1975

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... BUFFALO VALLEY HOT SPRINGS

LOCATION...
COUNTRY..... UNITED STATES 29N 04E 23 SE

STATE..... NEVADA

COUNTY..... LAMAR

MIP REFERENCE..... BUFFALO SPRINGS 1162500

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 72.0

WATER ANALYSIS

ANALYSIS IN PPM

AL..... CR..... MG.....

SI..... NA..... 263.

HA..... 0.157

HR.....

CA+MG.....

CL..... 27.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... MULLENBERG AND OTHERS, 1975

GEOTHERM SAMPLE FILE

GEOTHERM FILE

NAME OF SAMPLE SOURCE... BUFFALO VALLEY HOT SPRINGS
LOCATION... TOWNSHIP-RANGE
COUNTRY... UNITED STATES 29N 04E 23 SE
STATE... NEVADA
COUNTY... LAMAR

COORDINATES
LAT/LONG... 30-22-02 N 117-19-13 W

MAP REFERENCE... BUFFALO SPRINGS 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1974/08/05
TEMPERATURE (C)... 77.0
DISCHARGE... 0.30 L/MIN

WATER ANALYSIS

SPECIFIC CONDUCTANCE... 1460

REFERENCE AND IDENTIFICATION

COMPILED BY... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE... AULMSTEAD AND OTHERS, 1975

RECORD 00446

GEOTHERM SAMPLE FILE

GEOTHERM FILE 107 0002132

NAME OF SAMPLE SOURCE... BUFFALO VALLEY HOT SPRINGS
LOCATION... TOWNSHIP-RANGE
COUNTRY... UNITED STATES 29N 04E 23 SE
STATE... NEVADA
COUNTY... LAMAR

COORDINATES
LAT/LONG... 30-22-02 N 117-19-53 W

MAP REFERENCE... BUFFALO SPRINGS 1:62500
OTHER LOCALITY INFORMATION: 30 MILES SOUTHWEST OF BATTLE MOUNTAIN, ABOUT 25 SPRINGS ISSUE WITHIN 1000 FT. AREA ON SOUTHWEST BORDER OF LARGE PLAYA WELL OUT IN VALLEY FLOOR.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1954/07/27 HEWITT, D. F.; USGS
TEMPERATURE (C)... 65.5
DISCHARGE... 7.6 L/MIN

OTHER SAMPLE INFORMATION... ABOUT 25 SPRINGS.
WATER ANALYSIS

DATE/ANALYST... 1954/09/27 KRAMER, HENRY

PH... 7.5
SPECIFIC CONDUCTANCE... 1490

CARGE IMBALANCE (% DIFF)... 0.1

ANALYSIS IN PPM

AG....	CO3....	LI....	0.78		
AL....	CH....	MG....	20.		
B.... 3.0	F.... 5.5	NA....	304.	SI32.	74.
RE....	FE(TOT)...	ND....		SO4..	93.
CA.... 7.6	HC03.... 818.	KU3..			
CL.... 20.					
CO....	K.... 33.				

ISOTOPES 107001

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA
COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
REFERENCE... WHITE, D., USGS, MENLO PARK

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CHILLIS HOT SPRINGS
WIND NUMBER... 82

LOCATION

COUNTRY... UNITED STATES 27N 046E 28 NE OF NE

STATE... NEVADA

COUNTY... LAVER

GEOLOGIC PROVINCE... 23

MAP REFERENCE... CANICO LAKE 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)... 38.9

DISCHARGE... 33 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... ZONES, 1961

RECORD 00448

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... HENRY FILIPPINI WELL

LOCATION

COUNTRY... UNITED STATES 27, 043E 23 SW OF NE

STATE... NEVADA

COUNTY... LAVER

MAP REFERENCE... THE CEDARS 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1950/00/00

TEMPERATURE (C)... 51.1

DISCHARGE... 2450.5 L/MIN

OTHER SAMPLE INFORMATION... USED FOR IRRIGATION

WATER ANALYSIS

PH... 7.9

SPECIFIC CONDUCTANCE... 825

TOTAL DISSOLVED SOLIDS... 519

CHARGE IMBALANCE (% DIFF)... 3.9

ANALYSIS IN PPM

AL....	0.0	CR....	3.9	MO....	7.3	SI02..	39.
B....		FE....	0.02	NA....	116.	SO4..	62.
HE....		FE(TOT)..		NO....			
CA....	52.	MCO3....	428.	NO3..	0.8		
CL....	21.						
CO....		A.....	20.				

OTHER ANALYTICAL DATA... SAR = 3.95, MSC = 3.8

REFERENCE AND IDENTIFICATION

COMPILED BY... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... CROSTWATTE, 1963

RECORD 00449

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... HOT SPRINGS RANCH

GEOTHERM FILE 10: 0074096

LOCATION
COUNTRY..... UNITED STATES
STATE..... NEVADA
COUNTY..... LANDER
MSP REFERENCE..... THE CEDARS 1:62500

TOWNSHIP-RANGE

27N 043E 26 SE OF NE

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 54.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... HUSE AND TAYLOR, 1974

RECORD 00450

GEOHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... HOT SPRINGS RANCH

GEOHEM FILE NO: 0002133

LOCATION

TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 27N 043E 26 SE OF NE

COORDINATES

LAT/LONG... 40-11.00 N 117-06.08 W

STATE..... NEVADA

COUNTY..... LANDER

MSP REFERENCE..... THE CEDARS 1:62500

OTHER LOCALITY INFORMATION: LARGE POOL ABOUT 550 FT. WEST OF HOUSE

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1954/07/27 HEWETT, D. F., USGS

TEMPERATURE (C)..... 33.0

WATER ANALYSIS

DATE ANALYST..... 1954/08/27 KRAMER, HENRY

P..... 7.5

SPECIFIC CONDUCTANCE..... 949

CHARGE IMBALANCE (% DIFF)..... 4.3

ANALYSIS IN PPM

AG.....	CO3.....	LI.....	0.02
AL.....	CR.....	MG.....	24.
B..... 2.4	F..... 5.5	NA.....	134.
HE.....	FE.....	NB.....	504.
CA..... 22.	HCO3..... 446.	NU3.....	4.2
CL..... 22.			
CO.....	K..... 25.		

ISOTOPES (0/001)

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
REFERENCE..... WHITE, D., USGS, MENLO PARK

RECORD 00451

GEOHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... IZZENHOOD RANCH SPRING

GEOHEM FILE NO: 0074724

LOCATION

TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 35N 045E 10 SW OF NE NW

COORDINATES

LAT/LONG... 40-55.72 N 116-53.72 W

STATE..... NEVADA

COUNTY..... LANDER

GEOLOGIC PROVINCE... 23

MSP REFERENCE..... IZZENHOOD RANCH 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1974/09/28

TEMPERATURE (C)..... 71.

OTHER SAMPLE INFORMATION... SMALL POND, APPROXIMATELY 20 FT BY 80 FT, WITH
POLYDONS AND BLACK BASS ARE ABUNDANT. CHEMISTRY NOT VERIFIED. REFERENCE

FROM AND IN CENT

WATER ANALYSIS

PH..... 7.1
SPECIFIC CONDUCTANCE..... 410
CHARGE IMBALANCE (% DIFF)... 0.1
ANALYSIS IN PP4

AL.....	CR.....	MO.....	4.1		
B.....	F..... 1.9	NA.....	38.	5102.	51.
BE.....	FE (TOT).....	NH.....		504.	36.
CA..... 33.	HCO3..... 136.				
CL..... 25.					
CO.....	K..... 5.0				

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
COMPILER CROSS INDEX... NK-11-11-17
REFERENCE..... TREXLER AND OTHERS, 1974

RECORD 00452

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... IZZENHOOD RANCH SPRINGS
WELLING NUMBER..... 76

GEOTHERM FILE ID: 0074700

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 35N 045E 10 SW OF NE NW
STATE..... NEVADA
COUNTY..... LANDER
LAT/LONG... 40-55.72 N 116-53.72 W

MAP REFERENCE..... IZZENHOOD RANCH 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1917/00/00

TEMPERATURE (C)..... 24.3

DISCHARGE..... 3785 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, B. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... WAKING, 1965; KNOFF, ADOLPH, 1917

RECORD 00453

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... JAMES LITSTER WELL

GEOTHERM FILE ID: 0074335

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 24N 043E 27 SW
STATE..... NEVADA
COUNTY..... LANDER
LAT/LONG... 39-55.2 N 117-07.5 W

GEOLOGIC PROVINCE... 22
UTM ZONE... 11
NORTHING... 4418676
EASTING... 489317

MAP REFERENCE..... MANHATTAN MOUNTAIN NW 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.01 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1918/00/00

TEMPERATURE (C)..... 28.9

WELL DEPTH (M)..... 4.6

OTHER SAMPLE INFORMATION... NON-FLOWING ARTESIAN WELL.

WATER ANALYSIS

TOTAL DISSOLVED SOLIDS... 863.0

ANALYSIS

AG.... CO3.... 5.0
 AL.... CR.... 5.0
 H.... F.... 5.0
 HA.... FE.... 268.0
 HE.... FE(TOT).... 17.0
 CA.... 64.0 HCO3.... 758.0 NO3.... 5.0
 CL.... 34.0

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... WARING, 1918

RECORD 00454

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... MANY STHESLY WELL
 LOCATION

GEOTHERM FILE 101 0074293

COUNTRY..... UNITED STATES 17N 04SE 13 SE OF SE COORDINATES
 STATE..... NEVADA
 COUNTY..... LANDER
 MAP REFERENCE..... SPENCER HOT SPRINGS 1162500
 LAT/LONG... 39-19.88 N 116-51.57 W

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 43.3
 WELL DEPTH (M)..... 18
 DISCHARGE..... 11.4 L/MIN

OTHER SAMPLE INFORMATION... FLOWING WELL

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... RUSH AND SCHROEDER, 1970

RECORD 00455

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... MONITOR VALLEY WELL
 LOCATION

GEOTHERM FILE 101 0074687

COUNTRY..... UNITED STATES 18N 047E 20 SE OF NE COORDINATES
 STATE..... NEVADA
 COUNTY..... LANDER
 GEOLOGIC PROVINCE... 23
 MAP REFERENCE..... HICKSON SUMMIT 1162500
 LAT/LONG... 39-24.75 N 116-41.80 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1964/04/14
 TEMPERATURE (C)..... 21.7

WATER ANALYSIS

P4..... 7.8
 SPECIFIC CONDUCTANCE..... 579

ANALYSIS IN PP.4

AG.... CO3.... 14
 AL.... CR.... 12.
 H.... F.... 36.
 HA.... FE(TOT)....
 HE.... NO3....
 CA.... 62. S04.... 88.
 CL.... 43. HCO3.... 160.

ISOTOPES (0/001)

OTHER ANALYTICAL DATA... SAP = 1.1; NSC = 0.

REFERENCE AND IDENTIFICATION

COMPILED BY..... ROENIG, R. A.
 COMPILER AFFILIATION..... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... DUSH AND EVERETT, 1966

RECORD 0002136

GEOTERM SAMPLE FILE

GEOTERM FILE NO: 0002136

NAME OF SAMPLE SOURCE... MOUND SPRING
 HARING NUMBER..... 79
 LOCATION
 COUNTRY..... UNITED STATES 28N 044E 07
 STATE..... NEVADA
 COUNTY..... LANDER
 GEOLOGIC PROVINCE... 22
 MAP REFERENCE..... MCCOY 1:62500, WINNEMUCCA 1:250000

CORRELATES

LAT/LONG... 40-18.75 N 117-04.17 W

OTHER LOCALITY INFORMATION: 25 MILES SOUTH OF BATTLE MTN., EASTSIDE OF VALLEY, CENTER OF SECTION 7

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1956/07/27 HEWITT, J. F.; USGS
 TEMPERATURE (C)..... 32.0
 DEPOSITS OR ALTERATION... SPRINGS ON TUFF APRON
 OTHER SAMPLE INFORMATION... SEVERAL SPRINGS, ONE IS PIPED TO TROUGH 100 FT. NORTH.

WATER ANALYSIS

DATE/ANALYST..... 1956/04/27 KHAMER, HENRY
 P..... 1.1
 SPECIFIC CONDUCTANCE..... 995
 CHARGE IMBALANCE (% DIFF)..... 1.5

ISOTOPES (0/000)

ANALYSIS IN PPM
 AG.... CO3.... N LI... 0.33
 AL.... CR.... MG... 27.
 H.... 2.0 F..... 2.5 NA... 105. SI02. 40.
 HE.... FE(101) VB... 94.
 CA.... 70. HCO3.... 507. NO3.. N
 CL.... 17.
 CO.... K..... 28.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... WHITE, D.; USGS, MENLO PARK

RECORD 00457

GEOTERM SAMPLE FILE

GEOTERM FILE NO: 0002137

NAME OF SAMPLE SOURCE... MOUND SPRING
 HARING NUMBER..... 79
 LOCATION
 COUNTRY..... UNITED STATES 28N 044E 07
 STATE..... NEVADA
 COUNTY..... LANDER
 MAP REFERENCE..... MCCOY 1:62500

CORRELATES

LAT/LONG... 40-18.75 N 117-04.17 W

OTHER LOCALITY INFORMATION: 23 MILES SOUTH OF BATTLE MTN., REESE RIVER VALLEY, IMMEDIATELY EAST OF HIGHWAY 8A, CENTER OF SECTION 7.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1957/05/14 WHITE, D. E.
 TEMPERATURE (C)..... 15.0
 DISCHARGE..... 3.4 L/MIN

DEPOSITS OR ALTERATION... TRAVERTINE CONE
PERTINENT LITHOLOGY..... BASIC VOLCANICS OF PUMPERNICKEL FORMATION AND/OR TUFFS, ANDYOLITE.

BATCH ANALYSIS

DATE/ANALYST..... 1958/02/03 WHITEHEAD, H. C.

P..... 7.8

SPECIFIC CONDUCTANCE..... 923

ALKALINITY..... 205 AS CaCO₃

ANALYSIS IN PPM

ISOTOPES (U/100)

AG..... CO₃..... N.....

AL..... CR..... MU..... 21

CA..... 47 HC03..... 450

CL..... 10

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION..... U.S. GEOLOGICAL SURVEY

REFERENCE..... WHITE, D., USGS, MENLO PARK

RECORD 00458

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0074053

NAME OF SAMPLE SOURCE... MOUND SPRINGS

WATER NUMBER..... 79

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 28N 04E 07

LAT/LONG... 40-18.75 N 117-05.17 W

STATE..... NEVADA

COUNTY..... LANDER

MAP REFERENCE..... WINNEMUCCA 1:25000, MCCOY 1:62500

OTHER LOCALITY INFORMATION: IN REESE RIVER VALLEY 25 MILES SOUTH OF TOWN OF BATTLE MOUNTAIN.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 43.3

DISCHARGE..... 11 L/MIN

DEPOSITS OR ALTERATION... CALCAREOUS SINTER

OTHER SAMPLE INFORMATION... CALCAREOUS SINTER OVER 0.5 SQUARE MILE AREA.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WARING, 1965

RECORD 00459

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0074684

NAME OF SAMPLE SOURCE... PETERSON'S MILL HOT SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 28N 04E 36 NE OF SW NW

LAT/LONG... 39-33.53 N 117-25.67 W

STATE..... NEVADA

COUNTY..... LANDER

GEOLOGIC PROVINCE... 22

MAP REFERENCE..... MOUNT AIRY 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1978/08/08

TEMPERATURE (C)..... 23

QUALIFICATION FIELD... TEMPERATURE MEASURED BY NEV. BUR. MINES AND GEOL. • LISTED AS "HOT".

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, H. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GARSIDE AND SCHILLING, 1979

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SMITH CREEK VALLEY WELL

LOCATION... TOWNSHIP-RANGE

COUNTRY... UNITED STATES 20N 040E 36 NW

STATE... NEVADA

COUNTY... LAMAR

MAP REFERENCE... MOUNT AIRY 1:24000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1964/03/30

TEMPERATURE (C)... 29.4

WATER ANALYSIS

P... 8.4

SPECIFIC CONDUCTANCE... 477

ANALYSIS IN PPM

AG... 8.0

AL... 8.0

BE... 8.0

CA... 42.0

CL... 19.0

OTHER ANALYTICAL DATA... SAR = 1.1

REFERENCE AND IDENTIFICATION

COMPILED BY... KENNEDY, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... EVERETT AND RUSH, 1964

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SPENCER - NORTH SPRING

LOCATION... TOWNSHIP-RANGE

COUNTRY... UNITED STATES 17N 045E 14 SE

STATE... NEVADA

COUNTY... LAMAR

MAP REFERENCE... SPENCER HOT SPRINGS 1:62500

OTHER LOCALITY INFORMATION: RANGE IS GIVEN AS 45 1/2 E.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1966/00/00

TEMPERATURE (C)... 47.2

OTHER SAMPLE INFORMATION... NOW A FLOWING WELL.

REFERENCE AND IDENTIFICATION

COMPILED BY... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... FIERO, 1968

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SPENCER - 39

LOCATION... TOWNSHIP-RANGE

COUNTRY... UNITED STATES 17N 045E 13 SE

STATE... NEVADA

COUNTY... LAMAR

MAP REFERENCE... SPENCER HOT SPRINGS 1:62500

COORDINATES

LAT/LONG...

ISOPIES (0200)

RECORD 00461

GEOTHERM FILE 101 0074301

COORDINATES

LAT/LONG... 39-19.83 N 116-51.23 W

RECORD 00462

GEOTHERM FILE 101 0026014

COORDINATES

LAT/LONG... 39-19.80 N 116-51.2 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1979/11/15 KOENIG, B.A.

TEMPERATURE (C)..... 38.8

OTHER SAMPLE INFORMATION.. CHEMICAL DATA NOT VERIFIED.

WATER ANALYSIS

P..... 7.89

SPECIFIC CONDUCTANCE..... 1848.

CHARGE IMBALANCE (% DIFF).... 70.2

ANALYSIS IN PPM

AG.... CO3..... 444. LI... 0.594 S....
AL.... CR..... MG... 17. SB...
AS.... 0.0387 CS..... 0.0508 NA... 100. SI02. 47.
H.... 1.5 F..... 2.1
HA.... 0.21
BE.... FE(TOT) 1.8 NB... S04.. 35.
HI.... GA..... NH4.. SR... 1.5
CA.... 25. HCO3.... NO3.. 0.06
CL.... 13. K..... 22. RB... 0.1
CO....

ISOTOPES (0/00)

DEL O OF WATER.....
DEL O(18) OF WATER... -13.9

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSIN, GEORGE E.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00483

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SPENCER - 73

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE 17N 04E 13 SE

STATE..... NEVADA

COUNTY..... LAMUER

MSP REFERENCE..... SPENCER HOT SPRINGS 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1979/11/15 KOENIG, B.A.

TEMPERATURE (C)..... 72.5

OTHER SAMPLE INFORMATION.. CHEMICAL DATA NOT VERIFIED.

WATER ANALYSIS

P..... 8.14

SPECIFIC CONDUCTANCE..... 1021.

CHARGE IMBALANCE (% DIFF).... 58.3

ANALYSIS IN PPM

AG.... CO3..... 525. LI... 1.8 S....
AL.... CR..... MG... 9.1 SB...
AS.... 0.0287 CS..... 0.209 NA... 181. SI02. 94.
H.... 3.3 F..... 0.466
HA.... 0.344
BE.... FE(TOT) 0.167 NB... S04.. 36.
HI.... GA..... NH4.. SR... 0.848
CA.... 15. HCO3.... NO3.. 0.01
CL.... 23. K..... 37. RB... 0.25
CO....

ISOTOPES (0/00)

DEL O OF WATER..... -14.1
DEL O(18) OF WATER... -15.4

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSIN, GEORGE E.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

COORDINATES

LAT/LONG... 39-19.80 N 116-51.42 W

GEOTHERM FILE 101 0026015

GEOHERM SAMPLE FILE

GEOHERM FILE

NAME OF SAMPLE SOURCE... SPENCER HOT SPRING
 LOCATION... TOWNSHIP-RANGE... COORDINATES...
 COUNTRY... UNITED STATES... 17N 045E 13 SE OF SE SE... LAT/LONG... 39-19-30 N 116-51

STATE... NEVADA

COUNTY... LAMAR

MAP REFERENCE... SPENCER HOT SPRINGS 1162500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1978/08/01

TEMPERATURE (C)... 58

OTHER SAMPLE INFORMATION... CHEMISTRY NOT VERIFIED. REFERENCE IS A MAP.

IAT-B ANALYSIS

P1... 6.5

SPECIFIC CONDUCTANCE... 1180.

ANALYSIS IN PPM

AL... 4.0

B... 1.0

HE... 1.0

CA... 44.0

CL... 22.0

CO... 35.0

QUALIFICATION FIELD... BITARBOUNATE TITRATED WITHIN 24 HOURS OF SAMPLING.

REFERENCE AND IDENTIFICATION

COMPILED BY... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

COMPILER CROSS INDEX... 90-11-2-18

REFERENCE... TREXLER AND OTHERS, 1979

RECORD 00465

GEOHERM SAMPLE FILE

GEOHERM FILE 101 0000641

NAME OF SAMPLE SOURCE... SPENCER HOT SPRINGS
 LOCATION... TOWNSHIP-RANGE... COORDINATES...
 COUNTRY... UNITED STATES... 17N 045E 24 NE OF NE... LAT/LONG... 39-19-8 N 116-51

STATE... NEVADA

COUNTY... LAMAR

MAP REFERENCE... SPENCER HOT SPRINGS 1162500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1972/00/00 MARINER'S GROUP

TEMPERATURE (C)... 72.0

DISCHARGE... 50.0 L/MIN

WATER TREATMENT... PRESSURE FILTERED THROUGH A .1 MICROMETRE MEMBRANE FILTER, DILUTED

DEPOSITS OR ALTERATION... CALC. APRON DEPOSITED

PERTINENT LITHOLOGY... QUATERNARY ALLUVIUM; OLIGOCENE OR MIocene ASH-FLOW TUFF; JURAS SIC "GRANITE"; UNDOVICIAN

CHERTS OR QUARTZITES

IAT-B ANALYSIS

DATE/ANALYST... 1972/00/00 BARNES GROUP

P1... 6.5

SPECIFIC CONDUCTANCE... 1180.

ALKALINITY... 673.

CHARGE IMBALANCE (% DIFF)... 0.9

ANALYSIS IN MU/L

AG... 0.0

CC3... 0.0

LI... 1.0

S... 0.0

ISOTOPES (U/001)

DEL D OF WATER...

-135.8

AL.... 0.1
AS.... 0.1
AU.... 0.1
H.... 2.0
BE....
HI....
BI.... 0.1
CA.... 43.
CL.... 22.
CO....
CR....
CS.... 0.1
CU.... 0.12
F.... 4.7
FE(TOT)... 0.05
GA....
HCO3... 673.
I.... 0.62
K.... 36.
Mg... 9.4
MN... 0.02
NA... 200.
NH...
NH4...
SI02... 77.
SO4... 51.
SR... 1.8
Rb... 0.15

GAS ANALYSIS

DATE/ANALYST... 1974/00/00 BARNES GROUP
ANALYSIS IN VOLUME 8

ISOLOP-5 (00/01)

CH4... 1.
C2H6...
CO2... 54.
C2... 41.
C2... 45.

QUALIFICATION FIELD... F = 0.02; N = 1.7 AS AMMONIA

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA
COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
COMPILER CROSS INDEX... NEH-95
REFERENCE... MARINER AND OTHERS, 1974; MARINER AND OTHERS, 1975

RECUND 00466

GEO THERM SAMPLE FILE

GEO THERM FILE NO: 0002143

NAME OF SAMPLE SOURCE... SPENCER HOT SPRINGS

LOCATION... TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 17N 046E 19 NW 1/4 NW

LAT/LONG... 39-19.80 N 116-51.42 W

STATE... NEVADA

COUNTY... LANDER

MAP REFERENCE... SPENCER HOT SPRINGS 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1954/07/22 HEWETT, D.-F.

POINT OF COLLECTION... MAIN SPRING

TEMPERATURE (C)... 60.2

DISCHARGE... 21. L/MIN

OTHER SAMPLE INFORMATION... MAIN POOL IN BANK SHOWS SOME BUBBLES. PALE GRAY MUD AT BOTTOM OF POOL.

WATER ANALYSIS

DATE/ANALYST... 1954/09/10 BRENNAN, R.

P... 7.0

SPECIFIC CONDUCTANCE... 1150.

ALKALINITY... AS CaCO3

TOTAL DISSOLVED SOLIDS... 763.

ANALYSIS IN ppm

ISOLOP-5 (00/01)

AG.... CO3... N LI... 2.0
AL.... CH.... MG... 8.3
B.... 2.6 F.... 5.0 NA... 200. SI02... 81.
BE.... FE(TOT)... 0.05 NH... 51.
CA.... 47. HCO3... 670. NO3... 0.1
CL.... 22.
CO.... K.... 36.

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA
COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
REFERENCE... WHITFIELD, D., USGS, MENLO PARK

GEO THERM SAMPLE FILE

GEO THERM FILE ID: 000210

NAME OF SAMPLE SOURCE... SPENCER HOT SPRINGS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 17N 046E 19 NW OF NW

LAT/LONG... 39-19.80 N 116-51.42 W

STATE... NEVADA

COUNTY... LANDER

MAP REFERENCE... SPENCER HOT SPRINGS 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1957/05/14 WHITE, DON E.

TEMPERATURE (C)... 61.0

DISCHARGE... 3H. L/MIN

WATER ANALYSIS

DATE/ANALYST... 1958/06/15 WHITEHEAD, H. C.

P... 0.6

SPECIFIC CONDUCTANCE... 1100.

ALKALINITY... AS CaCO3

ANALYSIS IN PPM

ISOTOPE (O/U)

AG... CO3... N LI... S... V

AL... CR... MU... 8.0

CA... 44. HCO3... 664.

CL... 22.

QUANTIFICATION FIELD... 5 MEASURED IN FIELD.

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE... WHITE, D., USGS, MENLO PARK

RECORD 00468

GEO THERM SAMPLE FILE

GEO THERM FILE ID: 0002140

NAME OF SAMPLE SOURCE... SPENCER HOT SPRINGS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 17N 046E 19 NW OF NW

LAT/LONG... 39-19.80 N 116-51.42 W

STATE... NEVADA

COUNTY... LANDER

MAP REFERENCE... SPENCER HOT SPRINGS 1:62500

OTHER LOCALITY INFORMATION: 18 MILES SE OF AUSTIN, 6 MI. E OF SPENCER RANCH

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1913/09/00 MEINZER, U. E.

TEMPERATURE (C)... 54.7

DISCHARGE... 23. L/MIN

DEPOSITS OR ALTERATION... EXTENSIVE TUFA TERRACE.

OTHER SAMPLE INFORMATION... ALSO 80 DEG POOL AND SEVERAL COLD SPRINGS.

WATER ANALYSIS

DATE/ANALYST... DINSMORE, S. C. UNIV NEV.

TOTAL DISSOLVED SOLIDS... 802.

ANALYSIS IN PPM

ISOTOPE (O/U)

AG... CO3... 12. MU... 18.

AL... CR... NA... 34.

B... F... NA+K... 197.

NA... FE+3... S04... 52.

ME... FE(TOT)... NO3... N

CA... 57. HCO3... 646.

CL... 28.
QUALIFICATION FIELD... TEMPERATURE RANGE IS 47.2 - 62.8 C.
REFERENCE AND IDENTIFICATION
COMPILED BY... SANFORD, LINDA
COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
REFERENCE... WHITE, D.; USGS, MENLO PARK

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... SPENCER HOT SPRINGS - ARTESIAN WELL

LOCATION TOWNSHIP-RANGE

COUNTRY... UNITED STATES 17N 040E 19 NW

STATE... NEVADA

COUNTY... LANDER

MAP REFERENCE... SPENCER HOT SPRINGS 1:62500

OTHER LOCALITY INFORMATION: 500 FT. NE OF MAIN SPRING

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1957/05/14 WHITE, DON E.

TEMPERATURE (C)... 73.0

DISCHARGE... 30 L/MIN

DEPOSITS OR ALTERATION... TRAVERTINE TERRACE

PERTINENT LITHOLOGY... POSSIBLY ON TERTIARY VOLCANIC ROCKS

WATER ANALYSIS

DATE/ANALYST... 1958/03/24 WHITEHEAD & SCHUCH

P... 6.5

SPECIFIC CONDUCTANCE... 1150

ALKALINITY... AS CaCO3

ANALYSIS IN PPM

AG... CO3... N

AL... CR... N

4... 2.9 F... 5.5

RE... FE(TOT)

RI... GA... N

CA... 43 HCO3... 650

CL... 20 K... 35

CO... K... 35

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE... WHITE, D.; USGS, MENLO PARK

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED HOT POOL

LOCATION TOWNSHIP-RANGE

COUNTRY... UNITED STATES 27N 045E 25

STATE... NEVADA

COUNTY... LANDER

MAP REFERENCE... CARICO LAKE 1:62500

OTHER LOCALITY INFORMATION: 1 MILE NORTH OF HOT SPRINGS BEACH

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1954/07/27 HEWETT, D. F.; USGS

POINT OF COLLECTION... POOL IN TUFA CONE

TEMPERATURE (C)... 50.0

RECORD 00467

GEOTHERM FILE 101 000131

COORDINATES

LAT/LONG... 39-19.7 N 116-51.2 W

ISOTOPES (0/000)

LI... 1.8
MO... 4.9
NA... 197
SI02... 80
NB... 504
NH... 44
NM... 3.5
NO3... N

RECORD 00470

GEOTHERM FILE 101 0002135

COORDINATES

LAT/LONG... 40-11 N 116-51.7 W

WATER ANALYSIS

DATE/ANALYST..... 1954/08/27 KRAMER, HENRY

P..... 7.0

SPECIFIC CONDUCTANCE..... 881.

ANALYSIS IN PPM

AG.....	CO3.....	LI.....	0.40		
AL.....	CR.....	MG.....	22.4		
B.....	4.5	NA.....	114	SI02..	39
RE.....	FE(TOT).....	NB.....		SO4....	60
CA.....	41	NO3.....	0.3		
CL.....	20				
CO.....	K.....				
	22				

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... WHITE, D., USGS, MENLO PARK

RECORD 00471

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING

LOCATION..... TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 27N 043E 26 NE

STATE..... NEVADA

COUNTY..... LANDER

GEOLOGIC PROVINCE.. 22

MSP REFERENCE..... THE CEDARS 1:62500

OTHER LOCALITY INFORMATION: AT HOT SPRING RANCH

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1916/09/00 WARING, G. A.

TEMPERATURE (C)..... 50.3

DISCHARGE..... 189 L/MIN

WATER ANALYSIS

DATE/ANALYST..... DISMORE, S. C. UNIV. NEV

TOTAL DISSOLVED SOLIDS... 627.

ANALYSIS IN PPM

AG.....	CO3.....	N			
AL.....	CR.....	MG.....	1		
B.....	F.....	NA.....		SI02..	55
BA.....	FE+3.....	NA+K..	154		
BE.....	FE(TOT).....	NB.....		SO4....	74
CA.....	64	NO3.....	N		
CL.....	23				

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... WARING, 1918

RECORD 00472

GEO THERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING

LOCATION..... TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 17N 039E 11

STATE..... NEVADA

COUNTY..... LANDER

COORDINATES

LAT/LONG... 39-21 N 117-33.5

UTM ZONE... 11

NORTHING... 4356199

GEO THERM FILE NO: 0000611

GEOLOGIC PROVINCE..

MAP REFERENCE..... CARROLL SUMMIT SE 1:24000

OTHER LOCALITY INFORMATION: SMITH RIVER VALLEY

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP

TEMPERATURE (C)..... 86.0

DISCHARGE..... 75 L/MIN

WATER TREATMENT..... PRESSURE FILTERED THROUGH A .1 MICROMETRE MEMBRANE FILTER, DILUTED

DEPOSITS OR ALTERATION..... TRACES OF CaCO₃ DEPOSITSPERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM, OLIGOCENE OR MIocene (?) ASH FROM MIDDLE T₂S

AT-R ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

P..... 7.7

SPECIFIC CONDUCTANCE..... 737

ALKALINITY..... 256 AS HCO₃

ANALYSIS IN MG/L

AG.....	CO ₃	5.6	LI.....	0.38	S.....	
AL..... 0.040	CR.....		MG.....	0.06	SB.....	
AS.....	CS.....	0.1	MN.....	0.02		
AU.....	CU.....	0.01				
B..... 0.06	F.....	8.9	NA.....	170	SI02.....	110
HE.....	FE(TOT).....	0.02	NB.....		SO4.....	12
HI.....	GA.....		NH4.....	0.18	SH.....	0.2
CA..... 4.8	HCO ₃	256				
CAP.....	MG.....	0.0006				
CD.....	H2S.....		PO4.....	0.25		
CL..... 22						
CO.....	K.....	8.4	WB.....	0.06		

QUALIFICATION FIELD..... N = 0.14 P = 0.08

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE..... MARINER AND OTHERS, 1974; MARINER AND OTHERS, 1975

RECORD 00473

GEOCHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING (VALLEY OF THE MOON)

LOCATION..... TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 27N 043E 23 NE

STATE..... NEVADA

COUNTY..... LANDER

GEOLOGIC PROVINCE.. 22

MAP REFERENCE..... THE CEDARS 1:62500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MOSE, R. K.

TEMPERATURE (C)..... 53.0

WATER TREATMENT..... PRESSURE FILTERED THROUGH A .1 MICROMETRE MEMBRANE FILTER, DILUTED

PERTINENT LITHOLOGY..... QUATERNARY ALLUVIUM COVERING TERTIARY VOLCANICS

OTHER SAMPLE INFORMATION.. PROBABLY DEEP CIRCULATION METEORIC WATER.

AT-R ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

P..... 8.0

SPECIFIC CONDUCTANCE..... 700

ALKALINITY..... 333 AS HCO₃

ANALYSIS IN MG/L

ISOTOPES (U/00)

GEOCHEM FILE 101 0000797

COORDINATES

LAT/LONG... 40-11.92 N 117-06.05 W

AG... CO3... LI... S...
 AL... 0.000... CH... SH...
 AS... CS... L 0.1... MN... L 0.02...
 AU... CU... L 0.01...
 H... F... NA... 118... SI02... 0.41...
 HE... FE(TOT)... L 0.02... NB... S04... 0.4...
 BA... SA... NH4... SR...
 CA... 20... HCO3... 333...
 CA+MG... HG... 0.0006...
 CL... 21...
 CO... K... 21... HO... 0.06...

QUALIFICATION FIELD... V AS AMMONIA = 0.141 P AS PO4 = 0.08

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE... MARINER AND OTHERS, 1974; MARINER AND OTHERS, 1975

RECORD 00474

GEOTERM SAMPLE FILE

GEOTERM FILE 107 0002245

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRINGS

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 29N 04E 23 SE
 STATE... NEVADA
 COUNTY... LANDER
 MAP REFERENCE... BUFFALO SPRINGS 1:62500
 OTHER LOCALITY INFORMATION: 25 MILES SW OF BATILE MOUNTAIN

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1916/09/00 WARING, G. A.
 TEMPERATURE (C)... 54.0
 DISCHARGE... 19. L/MIN

PERTINENT LITHOLOGY... FROM TERTIARY LAVA.

WATER ANALYSIS

DATE/ANALYST... DINSMORE, S. C. I UNIV. NEV.
 TOTAL DISSOLVED SOLIDS... 1032.

ANALYSIS IN PPM

ISOTOPES (O/NO)

AG...	CO3...	N	MG...	1	SI02...	117.
AL...	CR...		NA...			
H...	F...		NA+K...	327.0	S04...	109.
BA...	FE+3...		NB...			
HE...	FE(TOT)... 1		NO3...	N		
CA...	HCO3...	761.				
CL...	34.					

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE... WARING, 1914

RECORD 00475

GEOTERM SAMPLE FILE

GEOTERM FILE 107 0074682

NAME OF SAMPLE SOURCE... UNNAMED SPRING

WARING NUMBER... 24

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 27N 04E 7 NW
 STATE... NEVADA
 LAT/LONG... 40-11.20 N 110-48.25 W

COUNTY..... LANDER
GEOLOGIC PROVINCE..... 23
MAP REFERENCE..... CARICO LAKE 1162500
OTHER LOCALITY INFORMATION: NEAR CARICO LAKE RANCH HOUSE

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1965/07/12

TEMPERATURE (C)..... 22.2

WATER ANALYSIS

PH..... 7.8

SPECIFIC CONDUCTANCE..... 2330

ANALYSIS IN PPM

AG..... CO3..... N

AL..... CR.....

BA..... FE+3.....

BE..... FE(TOT).....

CA..... 141..... HCO3..... 540

CL..... 332

OTHER ANALYTICAL DATA... SAR = 5.2, RSC = 0.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... EVERETT AND RUSH, 1966

ISOTOPES (0/00)

RECORD 00476

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED SPRING

LOCATION

COUNTRY..... UNITED STATES 26N 04SE 15 NE

STATE..... NEVADA

COUNTY..... LANDER

GEOLOGIC PROVINCE... 23

MAP REFERENCE..... CARICO LAKE 1162500

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1965/07/12

TEMPERATURE (C)..... 22.2

WATER ANALYSIS

PH..... 7.9

SPECIFIC CONDUCTANCE..... 806

ANALYSIS IN PPM

AG..... CO3..... N

AL..... CR.....

BA..... FE+3.....

BE..... FE(TOT).....

CA..... 54..... HCO3..... 396

CL..... 18

OTHER ANALYTICAL DATA... SAR = 3.4, RSC = 2.4

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... EVERETT AND RUSH, 1966

COORDINATES

LAT/LONG... 40-07.65 N 116-53.12 W

ISOTOPES (0/00)

RECORD 00477

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED SPRING

GEOTERM FILE NO: 0074720

LOCATION
 COUNTRY..... UNITED STATES 17N 039E 25 NE OF NW NW
 STATE..... NEVADA
 COUNTY..... LANDER
 MAP REFERENCE..... CARROLL SUMMIT SE 1:24000
 OTHER LOCALITY INFORMATION: IN SMITH CREEK VALLEY
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1978/08/03
 TEMPERATURE (C)..... 92.
 DEPOSITS OR ALTERATION..... SPRING ON TOFA MOUND.
 OTHER SAMPLE INFORMATION.. SPRING FORMS POOL 3 FT IN DIAMETER. CHEMISTRY NOT VERIFIED. REFERENCE IS A MAP.
 WATER ANALYSIS
 PH..... 7.7
 SPECIFIC CONDUCTANCE..... 733.
 ANALYSIS IN PPM

AL....	CH.....	MG...	0.14		
Fe.....	8.8	NA...	156.	SiO2..	116.
HE....	FE(TOT)...	NB...	504..	108.	
CA.... 6.2	HCO3....	0 243.			
CL.... 24.					
CO....	K.....	8.0			

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, J.
 CONTRIBUTOR AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 CONTRIBUTOR CROSS INDEX... NJ-11-2-16
 REFERENCE..... TREXLER AND OTHERS, 1979

RECORD 00478

GEOCHEM SAMPLE FILE

GEOCHEM FILE 101 0074721

NAME OF SAMPLE SOURCE... UNNAMED SPRING IN SMITH CREEK VALLEY
 LOCATION
 COUNTRY..... UNITED STATES 17N 039E 26 NE OF SE NE
 STATE..... NEVADA
 COUNTY..... LANDER
 MAP REFERENCE..... CARROLL SUMMIT SE 1:24000
 OTHER LOCALITY INFORMATION: UPPER SMITH CREEK VALLEY
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1978/08/03
 TEMPERATURE (C)..... 0 46.
 PERTINENT LITHOLOGY..... SPRINGS ASSOCIATED WITH MANY TOFA MOUNDS.
 OTHER SAMPLE INFORMATION.. 15 TO 20 ASSOCIATED SMALL POOLS. CHEMISTRY NOT VERIFIED. REFERENCE IS A MAP.
 WATER ANALYSIS
 PH..... 8.3
 SPECIFIC CONDUCTANCE..... 763.
 ANALYSIS IN PPM

AL....	CH.....	MG...	0.14		
Fe.....	9.3	NA...	163.	SiO2..	128.
HE....	FE(TOT)...	NB...	504..	112.	
CA.... 1.2	HCO3....	0 253.			
CL.... 25.					
CO....	K.....	8.1			

ISOTOPES (0/00)

QUALIFICATION FIELD..... DICARBONATE TITRATED WITHIN 24 HOURS OF SAMPLING. IN SMALL POOLS. TEMPERATURE RANGES FROM 65 TO 90 DEG C.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... FLYNN, J.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
COMPILER CROSS INDEX... 00-11-2-15
REFERENCE..... THEXLER AND OTHERS, 1979

RECORD 00479

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074299

NAME OF SAMPLE SOURCE... UNNAMED WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 17N 045E 11 NE OF SE

STATE..... NEVADA

COUNTY..... LANDER

MAP REFERENCE..... SPENCER HOT SPRINGS 1:62500

OTHER LOCALITY INFORMATION: LOCATION GIVEN AS RANGE 45 1/2 E.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1968/08/19

TEMPERATURE (C)..... 73.3

DISCHARGE..... 18.9

OTHER SAMPLE INFORMATION.. FLOWING WELL

WATER ANALYSIS

pH..... 7.7

SPECIFIC CONDUCTANCE..... 1300.

ANALYSIS IN MG/L

ISOTOPES (0/001)

AG.....

CO3.....

CA.....

CH.....

MG..... 11.

BA.....

FE.....

NA+K..... 219.

HE.....

FE(TOT).....

Nd.....

504... 44.

CA..... 45.

HCO3..... 676.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... RUSH AND SCHROER, 1970

RECORD 00480

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074655

NAME OF SAMPLE SOURCE... UNNAMED WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 16N 044E 24 NW

STATE..... NEVADA

COUNTY..... LANDER

GEOLOGIC PROVINCE.. 23

MAP REFERENCE..... WILDCAT PEAK 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1968/00/00

TEMPERATURE (C)..... 28.9

WELL DEPTH (M)..... 30.6

DISCHARGE..... 22.7 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... FIERO, 1968

RECORD 00481

GEOHEM SAMPLE FILE

GEOHEM FILE 101 0074586

NAME OF SAMPLE SOURCE... UNNAMED WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 18N 04E 08 SW

LAT/LONG... 39-25.9 N 116-42.0 W

STATE... NEVADA

UTM ZONE... 11

COUNTY... LANDER

NORTHING... 4364513

GEOLOGIC PROVINCE... 23

Easting... 5252467

MAP REFERENCE... HICKSON SUMMIT 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)... 21.7

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... DUSH AND EVERETT, 1964

RECORD 00482

GEOHEM SAMPLE FILE

GEOHEM FILE 101 0074052

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING

WATER NUMBER... R3

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 27N 04E 23 SW OF NE

LAT/LONG... 40-11.92 N 117-06.37 W

STATE... NEVADA

COUNTY... LANDER

MAP REFERENCE... WINNEMUCCA 1:250000, THE CEDARS 1:62500

OTHER LOCALITY INFORMATION: 1 MILE NORTH OF HOT SPRINGS RANCH IN REESE RIVER VALLEY

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1916/09/00 WARING, G. A.

TEMPERATURE (C)... 51.1

DISCHARGE... 1703. L/MIN

DEPOSITS OR ALTERATION... CALCANEUS SINTER

OTHER SAMPLE INFORMATION... 15 SPRINGS IN AREA.

WATER ANALYSIS

DATE/ANALYST... DINSMORE, S. C., UNIV. NEV.

TOTAL DISSOLVED SOLIDS... 559.

ANALYSIS IN PPM

ISOTOPES (0/00)

AG....	CO3.... N	MG....	10.	SI02..	41.
AL....	CR....	NA....			
B....	F....	NA+K..	121.	S04..	63.
BA....	FE+3...	NB....			
BE....	FE(TOT)..	NO3.. N			
CA....	HCO3.... 447.				
CL....	65.				
	24.				

REFERENCE AND IDENTIFICATION

COMPILED BY... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... WARING, 1914

RECORD 00483

GEOHEM SAMPLE FILE

GEOHEM FILE 101 0002243

NAME OF SAMPLE SOURCE... UNNAMED WELL

LOCATION.....
COUNTRY..... UNITED STATES
STATE..... NEVADA
COUNTY..... LANDER
MAP REFERENCE..... CARROLL SUMMIT 1524000
OTHER LOCALITY INFORMATION: 20 MI. WEST OF AUSTIN, NEVADA NEAR HOT SPRINGS SE OF HUMBOLT SALT MARSH LOCATION
APPROXIMATE.

SAMPLE DESCRIPTION AND CONDITIONS
DATE/COLLECTOR..... 1964/04/13
POINT OF COLLECTION... WELL NEAR HOT SPRING
TEMPERATURE (C)..... 3
OTHER SAMPLE INFORMATION.. ABOUT 20 SPRINGS.

WATER ANALYSIS

P..... 7.6
ANALYSIS IN PP4

ISOTOPE (U/001)

AG.... CO3.....
AL.... CH..... MG.... 8.9
HA.... FE+3.... NA+K.... 327.
HE.... FE(TOT)....
CA.... 37. HCO3.... 137.
CL.... 73.

QUALIFICATION FIELD..... NO TEMPERATURE LISTED IN PUBLICATION, BUT NEARBY SPRINGS SAID TO BE NEAR BOILING.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
REFERENCE..... EVERETT AND RUSH, 1964

RECORD 00484

GEOCHEM. SAMPLE FILE

GEOCHEM. FILE 10: 0002144

NAME OF SAMPLE SOURCE... WARM SPRINGS

LOCATION.....
COUNTRY..... UNITED STATES
STATE..... NEVADA
COUNTY..... LANDER
MAP REFERENCE..... THE CEDARS 1162500
OTHER LOCALITY INFORMATION: HOT SPRINGS RANCH, 33 MI. SOUTH OF BATTLE MTN. ON REESE RIVER VALLEY, ABOUT 370 MI. NW
OF WARM SPRINGS HG PROJECT.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1957/05/14 WHITE, DON E.
TEMPERATURE (C)..... 52.0
DISCHARGE..... 1893. L/MIN
WATER TREATMENT..... SOME IONS IN SOLUTION WHEN ANALYZED, SOME TURBIDIMETRIC.
DEPOSITS OR ALTERATION... DEPOSITS OF TRAVERTINE WHICH LIES ON ALLUVIUM, RHYOLITE TUFF ALTERED HG PROSPECT.

WATER ANALYSIS

DATE/ANALYST..... 1958/05/28 WHITEHEAD, H. C.

P..... 0.8
SPECIFIC CONDUCTANCE..... 864.

ALKALINITY..... AS CaCO3

ANALYSIS IN PP4

ISOTOPE (U/001)

AG.... CO3..... LI.... 0.4 S.... N
AL.... CH..... MG.... 3.2
AS.... CS..... MN.... 0.1
Ba.... 0.00 F..... NA.... 116. SI02. 39.
HE.... FE(TOT).... NO.... S04.... 38.
CA.... 63. HCO3.... 442.

CL.... 20. K..... 20.
CO....
ALIFICATION FIELD..... S MEASURED IN FIELD.
REFERENCE AND IDENTIFICATION
COMPILED BY..... SANFORD, LINDA
COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
REFERENCE..... WHITE, D., USGS, MENLO PARK

RECORD 00485

OTHER SAMPLE FILE

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE 06S 061E 06 NW 1/4 NW
STATE..... NEVADA
COUNTY..... LINCOLN
GEOLOGIC PROVINCE...

COORDINATES

LAT/LONG... 37-27.6 N 115-11.2 W
UTM ZONE... 11
NORTHING... 6147243
Easting... 660377

MAP REFERENCE..... CALIENTE 1:250000, ASH SPRINGS 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1966/05/23

TEMPERATURE (C)..... 32.2

DISCHARGE..... 28882. L/MIN

PERTINENT LITHOLOGY..... ISSUES FROM ALLUVIUM - BEDROCK CONTACT.

ANALYSIS

ANALYSIS IN EPM

MA..... FE+3.... NA+K. 1.5

CA+MG. 3.1

OTHER ANALYTICAL DATA... L = SU4 = 1.05 EPM.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... MIFFLIN, 1968

RECORD 00486

OTHER SAMPLE FILE

NAME OF SAMPLE SOURCE... AQUA CALIENTE WELL NO. 3

LOCATION

COUNTRY..... UNITED STATES TOWNSHIP-RANGE 06S 067E 08 NW 1/4 NW
STATE..... NEVADA
COUNTY..... LINCOLN
GEOLOGIC PROVINCE... 24

COORDINATES

LAT/LONG... 37-37.7 N 114-30.6 W
UTM ZONE... 11
NORTHING... 6167291
Easting... 719737

MAP REFERENCE..... CALIENTE 1:250000, CALIENTE 1:24000

OTHER LOCALITY INFORMATION: THIS WELL IS 1 OF 4 ON PROPERTY OWNED BY MR. FERGUS WALLIS.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1978/09/27

TEMPERATURE (C)..... 36.7

WELL DEPTH (M)..... 27.

DISCHARGE..... 5299. L/MIN

OTHER SAMPLE INFORMATION.. TEMPERATURE PROFILES ON WELLS 3 AND 4. WATER TABLE IS 20 FT BELOW SURFACE. WELL IS PUMPED AT 75 FT BELOW SURFACE.

ANALYSIS

..... 7.2

SPECIFIC CONDUCTANCE..... 400.

CHARGE IMBALANCE (% DIFF)... 1.3

ANALYSIS IN PPM

ISOTOPES (0/001)

AL.... CR..... MG... 4.8
 B.... F..... 1.4 NA... 39. SI02... 106.
 RE.... FE(TOT)... ND... S04... 30.
 CA.... 34. HCO3... 4200.
 CL.... 8.
 CO.... A..... 14.

QUALIFICATION FIELD... HCO3 TITRATED WITHIN 4 HOURS OF SAMPLING. FLOW RATE

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 COMPILER CROSS INDEX... NJ-11-9-17
 REFERENCE..... TREXLER AND OTHERS, 1979

RECORD 00487

GEOHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... ASH (ALAMO) SPRINGS AREA
 LOCATION... TOWNSHIP-RANGE
 COUNTRY..... UNITED STATES 055 060E
 STATE..... NEVADA
 COUNTY..... LINCOLN
 GEOLOGIC PROVINCE..
 MAP REFERENCE... CALIENTE 1:250000, MIRRIS 1:24000

GEOHEM FILE ID: 0074641

COORDINATES

LAT/LONG... 37-27.9 N 115-11.0 W
 UTM ZONE... 11
 NORTHING... 414707.
 659771.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1912/11/16
 TEMPERATURE (C)..... 32.2

WATER ANALYSIS

TOTAL DISSOLVED SOLIDS... 303.
 ANALYSIS IN PPM

ISOTOPES (0/00)

AG.... CO3..... N
 AL.... CR..... MG... 13.
 B.... F..... NA... 59. SI02... 34.
 RE.... FE(TOT)... ND... S04... 40.
 CA.... 49. HCO3... 254.
 CL.... 11.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... HARDMAN AND MILLEN, 1934

RECORD 00488

GEOHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... ASH (ALAMO) SPRINGS AREA
 LOCATION... TOWNSHIP-RANGE
 COUNTRY..... UNITED STATES 065 061E 06 NW OF NW NW
 STATE..... NEVADA
 COUNTY..... LINCOLN
 GEOLOGIC PROVINCE... 24
 MAP REFERENCE... CALIENTE 1:250000, ASH SPRINGS 1:24000
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

GEOHEM FILE ID: 0074622

COORDINATES

LAT/LONG... 37-27.6 N 115-11.2 W
 UTM ZONE... 11
 NORTHING... 4147243.
 660371.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1962/03/09
 TEMPERATURE (C)..... 31.1

DISCHARGE

OTHER SAMPLE INFORMATION... SIX MAIN SPRINGS: WATER USED FOR DOMESTIC PURPOSES AND IRRIGATION.

WATER ANALYSIS

PH..... 8.1
 SPECIFIC CONDUCTANCE..... 443.
 TOTAL DISSOLVED SOLIDS... 286.
 CHARGE IMBALANCE (% DIFF)... 4.1
 ANALYSIS IN PM4

ISOTOPES (0/00)

AG... CO3..... N
 AL.... CR.....
 B..... 0.1 F..... 0.5 MC... 18.
 SE..... FE(TOT)... NA... 32.
 CA.... 39. HCO3... 231. NO... 1.3
 CL.... 9.7
 CO.... K..... 6.8

SI02... 31.
 SO4... 34.

OTHER ANALYTICAL DATA... SAR = 1.06, RSC=0.35

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... EAKIN, 1963b

RECORD 00489

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0074374

NAME OF SAMPLE SOURCE... ASH SPRINGS, ALAMO SPRINGS
 WIRING NUMBER..... 149

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES U6S U61E U6 NW OF NW
 STATE..... NEVADA
 COUNTY..... LINCOLN
 GEOLOGIC PROVINCE...
 MAP REFERENCE..... CALIENTE 1:250000, ASH SPRINGS 1:24000

LAT/LONG... 37-27.8 N 115-11.2 W
 UTM ZONE... 11
 NORTHING... 4147613.
 660370.

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 30.1
 DISCHARGE..... 128950 L/MIN
 OTHER SAMPLE INFORMATION, TEMPERATURE RANGES FROM 32.3-36.1 C.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... WARRING, 1965

RECORD 00490

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0074061

NAME OF SAMPLE SOURCE... BENNETT'S (BENNETT) SPRING
 WIRING NUMBER..... 144

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 02S 066E 07 SW
 STATE..... NEVADA
 COUNTY..... LINCOLN
 GEOLOGIC PROVINCE... 24
 MAP REFERENCE..... CALIENTE 1:250000, THE BLUFFS 1:24000

LAT/LONG... 37-47.0 N 114-38.35 W
 UTM ZONE... 11
 NORTHING... 4184196.
 707903.

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 21.1
 DISCHARGE..... 38. L/MIN
 OTHER SAMPLE INFORMATION, BURIED FAULT, 2 SPRINGS; WATER SUPPLY FOR CATTLE.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... HARDMAN AND MILLER, 1934

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... C. KENNETH LEE SOUTH WELL

LOCATION TOWNSHIP-RANGE

COUNTRY..... UNITED STATES U1S 068E 33 SE

STATE..... NEVADA

COUNTY..... LINCOLN

GEOLOGIC PROVINCE.. 24

MAP REFERENCE..... CALIENTE 1:250000 PANACA 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1952/QU/00

TEMPERATURE (C)..... 24.4

WELL DEPTH (M)..... 32.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... DUSH, 1964

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CALIENTE HOSPITAL OLD WELL

LOCATION TOWNSHIP-RANGE

COUNTRY..... UNITED STATES U4S 067E 05

STATE..... NEVADA

COUNTY..... LINCOLN

GEOLOGIC PROVINCE.. 24

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1979/12/15 FLYNN, T.

SAMPLE NUMBER..... CW 4A

TEMPERATURE (C)..... 44.6 AT (M)..... 15.

WELL DEPTH (M)..... 15.

WATER ANALYSIS

P1..... 7.75

SPECIFIC CONDUCTANCE..... 416.

CHARGE IMBALANCE (% DIFF)..... 41.4

ANALYSIS IN PPM

AG.....	CO3.....	196.	LI.....	0.172
AL.....	CR.....		MG.....	0.0
AS.....	CS.....	0.0061		
H.....	F.....	1.4	NA.....	46.
BA.....			SI02..	143.
BE.....	FE (TOT) ..	0.034	NO.....	504..
BI.....	GA.....		NH4....	SR... 0.1d
CA.....	MCU3.....		NO3... 20.	
CL.....				
CO.....	K.....	17.	NO... 0.042	

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.

GEOTERM FILE 101 0020002

COORDINATES

LAT/LONG... 37-48.9 N 114-22.5 W

UTM ZONE... 11

NORTHING... 4188331.

731072.

RECORD 00492

GEOTERM FILE 101 0020000

COORDINATES

LAT/LONG... 37-37.2 N 114-30.8 W

ISOTOPES (02/001)

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 002600

NAME OF SAMPLE SOURCE... CALIENTE HOSPITAL REINJECTION WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 04S 067E 08

LAT/LONG... 37-37.3 N 114-30.0 W

STATE... NEVADA

COUNTY... LINCOLN

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1979/12/15 FLYNN, T.

TEMPERATURE (C)... 29.2 AT (M)... 11.

WELL DEPTH (M)... 11.

WATER ANALYSIS

PH... 7.54

SPECIFIC CONDUCTANCE... 617.

CHARGE IMBALANCE (% DIFF)... 57.7

ANALYSIS IN PP4

AG... CO3... 323.

AL... CR... 6.4

AS... L 0.005 CS... 0.0064

CA... 0.238 F... 2.5

CL... 0.16 NA... 70.

CO... FE (TOT)... 1.3

CU... GA... 36.

CD... MC03... 2.1

CE... K... 0.0304

CF... R... 36.

CG... S... 0.0304

CH... T... 0.0304

CI... U... 0.0304

CJ... V... 0.0304

CK... W... 0.0304

CL... X... 0.0304

CM... Y... 0.0304

CN... Z... 0.0304

CO... AA... 0.0304

CP... AB... 0.0304

CQ... AC... 0.0304

CR... AD... 0.0304

CS... AE... 0.0304

CT... AF... 0.0304

CU... AG... 0.0304

CV... AH... 0.0304

CW... AI... 0.0304

CX... AJ... 0.0304

CY... AK... 0.0304

CZ... AL... 0.0304

DA... AM... 0.0304

DB... AN... 0.0304

DC... AO... 0.0304

DD... AP... 0.0304

DE... AQ... 0.0304

DF... AR... 0.0304

DG... AS... 0.0304

DH... AT... 0.0304

DI... AU... 0.0304

DJ... AV... 0.0304

DK... AW... 0.0304

DL... AX... 0.0304

DM... AY... 0.0304

DN... AZ... 0.0304

DO... BA... 0.0304

DP... BB... 0.0304

DQ... BC... 0.0304

DR... BD... 0.0304

DS... BE... 0.0304

DT... BF... 0.0304

DU... BG... 0.0304

DV... BH... 0.0304

DW... BI... 0.0304

DX... BJ... 0.0304

DY... BK... 0.0304

DZ... BL... 0.0304

EA... BM... 0.0304

EB... BN... 0.0304

EC... BO... 0.0304

ED... BP... 0.0304

EE... BQ... 0.0304

EF... BR... 0.0304

EG... BS... 0.0304

EH... BT... 0.0304

EI... BU... 0.0304

EJ... BV... 0.0304

EK... BW... 0.0304

EL... BX... 0.0304

EM... BY... 0.0304

EN... BZ... 0.0304

EO... CA... 0.0304

EP... CB... 0.0304

EQ... CC... 0.0304

ER... CD... 0.0304

ES... CE... 0.0304

ET... CF... 0.0304

EU... CG... 0.0304

EV... CH... 0.0304

EW... CI... 0.0304

EX... CJ... 0.0304

EY... CK... 0.0304

EZ... CL... 0.0304

FA... CM... 0.0304

FB... CN... 0.0304

FC... CO... 0.0304

FD... CP... 0.0304

FE... CQ... 0.0304

FF... CR... 0.0304

FG... CS... 0.0304

FH... CT... 0.0304

FI... CU... 0.0304

FJ... CV... 0.0304

FK... CW... 0.0304

FL... CX... 0.0304

FM... CY... 0.0304

FN... CZ... 0.0304

FO... DA... 0.0304

FP... DB... 0.0304

FQ... DC... 0.0304

FR... DD... 0.0304

FS... DE... 0.0304

FT... DF... 0.0304

FU... DG... 0.0304

FV... DH... 0.0304

FW... DI... 0.0304

FX... DJ... 0.0304

FY... DK... 0.0304

FZ... DL... 0.0304

GA... DM... 0.0304

GB... DN... 0.0304

GC... DO... 0.0304

GD... DP... 0.0304

GE... DQ... 0.0304

GF... DR... 0.0304

GG... DS... 0.0304

GH... DT... 0.0304

GI... DU... 0.0304

GJ... DV... 0.0304

GK... DW... 0.0304

GL... DX... 0.0304

GM... DY... 0.0304

GN... DZ... 0.0304

GO... EA... 0.0304

GP... EB... 0.0304

GQ... EC... 0.0304

GR... ED... 0.0304

GS... EE... 0.0304

GT... EF... 0.0304

GU... EG... 0.0304

GV... EH... 0.0304

GW... EI... 0.0304

GX... EJ... 0.0304

GY... EK... 0.0304

GZ... EL... 0.0304

HA... EM... 0.0304

HB... EN... 0.0304

HC... EO... 0.0304

HD... EP... 0.0304

HE... EQ... 0.0304

HF... ER... 0.0304

HG... ES... 0.0304

HH... ET... 0.0304

HI... EU... 0.0304

HJ... EV... 0.0304

HK... EW... 0.0304

HL... EX... 0.0304

HM... EY... 0.0304

HN... EZ... 0.0304

HO... FA... 0.0304

HP... FB... 0.0304

HQ... FC... 0.0304

HR... FD... 0.0304

HS... FE... 0.0304

HT... FF... 0.0304

HU... FG... 0.0304

HV... FH... 0.0304

HW... FI... 0.0304

HX... FJ... 0.0304

HY... FK... 0.0304

HZ... FL... 0.0304

IA... FM... 0.0304

IB... FN... 0.0304

IC... FO... 0.0304

ID... FP... 0.0304

IE... FQ... 0.0304

IF... FR... 0.0304

IG... FS... 0.0304

IH... FT... 0.0304

II... FU... 0.0304

IJ... FV... 0.0304

IK... FW... 0.0304

IL... FX... 0.0304

IM... FY... 0.0304

IN... FZ... 0.0304

IO... GA... 0.0304

IP... GB... 0.0304

IQ... GC... 0.0304

IR... GD... 0.0304

IS... GE... 0.0304

IT... GF... 0.0304

IU... GG... 0.0304

IV... GH... 0.0304

IW... GI... 0.0304

IX... GJ... 0.0304

IY... GK... 0.0304

IZ... GL... 0.0304

JA... GM... 0.0304

JB... GN... 0.0304

JC... GO... 0.0304

JD... GP... 0.0304

JE... GQ... 0.0304

JF... GR... 0.0304

JG... GS... 0.0304

JH... GT... 0.0304

JI... GU... 0.0304

JJ... GV... 0.0304

JK... GW... 0.0304

JL... GX... 0.0304

JM... GY... 0.0304

JN... GZ... 0.0304

JO... HA... 0.0304

JP... HB... 0.0304

JQ... HC... 0.0304

JR... HD... 0.0304

JS... HE... 0.0304

JT... HF... 0.0304

JU... HG... 0.0304

JV... HH... 0.0304

JW... HI... 0.0304

JX... HJ... 0.0304

JY... HK... 0.0304

JZ... HL... 0.0304

KA... HM... 0.0304

KB... HN... 0.0304

KC... HO... 0.0304

KD... HP... 0.0304

KE... HQ... 0.0304

KF... HR... 0.0304

KG... HS... 0.0304

KH... HT... 0.0304

KI... HU... 0.0304

KJ... HV... 0.0304

KK... HW... 0.0304

KL... HX... 0.0304

KM... HY... 0.0304

KN... HZ... 0.0304

KO... IA... 0.0304

KP... IB... 0.0304

KQ... IC... 0.0304

KR... ID... 0.0304

KS... IE... 0.0304

KT... IF... 0.0304

KU... IG... 0.0304

KV... IH... 0.0304

KW... II... 0.0304

KX... IJ... 0.0304

KY... IK... 0.0304

KZ... IL... 0.0304

LA... IM... 0.0304

LB... IN... 0.0304

LC... IO... 0.0304

LD... IP... 0.0304

LE... IQ... 0.0304

LF... IR... 0.0304

LG... IS... 0.0304

LH... IT... 0.0304

LI... IU... 0.0304

LJ... IV... 0.0304

LK... IW... 0.0304

LL... IX... 0.0304

LM... IY... 0.0304

LN... IZ... 0.0304

LO... JA... 0.0304

LP... JB... 0.0304

LQ... JC... 0.0304

LR... JD... 0.0304

NAME OF SAMPLE SOURCE... CALIENTE HOT SPRINGS
 WARING NUMBER... 146
 LOCATION
 COUNTRY... UNITED STATES TOWNSHIP-RANGE 04S 067E 05 SW
 STATE... NEVADA
 COUNTY... LINCOLN
 GEOLOGIC PROVINCE...
 MAP REFERENCE... CALIENTE 1:250000 CALIENTE 1:24000
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES
 SAMPLE DESCRIPTION AND CONDITIONS
 TEMPERATURE (C)..... 44.5
 DISCHARGE..... N L/MIN
 OTHER SAMPLE INFORMATION... WARING NO. 146.

WATER ANALYSIS

TOTAL DISSOLVED SOLIDS... 430.

ANALYSIS IN PPM

AG....	CO3.....	N			
AL....	CR.....	MG...	7.		
AR....	FE.....	NA...	5102.	126.	
BA....	FE+3....	NA+K.	04.		
BE....	FE(TOT)...	NB...	504..	4.5	
CA....	HC03....	NU3..	4.		
CL....					

ISOTOPES (U/001)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... PHOENIX, 1948; WARING, 1965

RECORD 00496

GEOCHEMICAL SAMPLE FILE

GEOCHEMICAL FILE 101 0074409

NAME OF SAMPLE SOURCE... CALIENTE HOT SPRINGS, WALLIS HEALTH WELL
 LOCATION
 COUNTRY... UNITED STATES TOWNSHIP-RANGE 04S 067E 08 NW
 STATE... NEVADA
 COUNTY... LINCOLN
 GEOLOGIC PROVINCE... 24
 MAP REFERENCE... CALIENTE 1:250000 CALIENTE 1:24000
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1974/J2/U4
 TEMPERATURE (C)..... 62.4

WATER ANALYSIS

P..... 7.8
 SPECIFIC CONDUCTANCE..... 437.
 TOTAL DISSOLVED SOLIDS... 333.
 CHARGE IMBALANCE (% DIFF)... 3.1

ANALYSIS IN PPM

AG....	L 0.02	CO3.....	N	LI...	0.109
AL....		CR.....	L 0.02	MG...	4.4
AS....	0.00005	CS.....	0.4	MN...	0.01
AU....		CU.....	L 0.02	MO...	
BA....	0.08	F.....	1.6	NA...	40.
BE....	L 0.005	FE+3....		NA+K.	88.
BI....	L 0.1	FE(TOT)...	0.01	NB...	504..
		GA.....		NH4..	L 0.2

ISOTOPES (U/001)

SE...	L 0.001
SI02.	88.
SN...	0.05
S04..	33.
SR...	0.25

HR.... GE..... NI... 0.02
 CA... 41... HCU3... 205... NO3... 5.6
 CA+MG... HG..... L 0.0005 PB... L 0.02
 CD.... 0.008 H2S..... PU4... 0.1
 CL.... 7... R..... 11... Rb... 0.061 ZN... 0.152
 CO.... K.....

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... SANDERS AND MILES, 1974

RECORD 00497

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CALIENTE MINERAL SPRING, CALIENTE HOT SPRINGS

GEOTERM FILE ID: 0074408

LOCATION TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 44S 06E 08 NE

LAT/LONG... 37-37.3 N 114-30.2 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... LINCOLN

NORTHING... 4166566

GEOLOGIC PROVINCE...

720345

MAP REFERENCE..... CALIENTE 1:250000, CALIENTE 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1974/02/04

TEMPERATURE (C)..... 67.8

WATER ANALYSIS

PH..... 8.2

SPECIFIC CONDUCTANCE..... 518

TOTAL DISSOLVED SOLIDS... 380

CHARGE IMBALANCE (% DIFF)... 2.6

ANALYSIS IN PPM

ISOTOPES (0/100)

AG.... L 0.02	CU3..... N	LI... 0.18	SR... L 0.1
AL....	CR..... L 0.02	MG... 6.2	
AS.... 0.0001	CS..... 0.4	MN... 0.02	
AU....	CU..... L 0.02	MO... 46	SE... L 0.001
B....	F..... 1.4	NA... 46	SI02... 91
BA.... L 0.04	FE+3... L 0.01	NA+K... 42	SN... L 0.05
BE.... L 0.005	GA.....	NB... 42	SO4... 42
BI.... L 0.1	GE.....	NH4... L 0.2	SR... 0.09
HR....	HCU3... 239	NI... 0.02	
CA.... 43	HG..... L 0.0005	NO3... 4.8	
CA+MG...	H2S.....	PB... L 0.02	
CD.... 0.009		PU4... 0.2	
CL.... 12			
CO....	K..... 15	Rb... 0.054	

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... SANDERS AND MILES, 1974

RECORD 00498

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CALIENTE PUBLIC UTILITY NUMBER 4 WELL, CALIENTE HOT SPRING

GEOTERM FILE ID: 0074356

LOCATION TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 44S 06E 05 SW

LAT/LONG... 37-37.6 N 114-30.8 W

STATE..... NEVADA
COUNTY..... LINCOLN
GEOLOGIC PROVINCE.....
OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES
SAMPLE DESCRIPTION AND CONDITIONS
TEMPERATURE (C)..... 40.0
WELL DEPTH (M)..... 40
REFERENCE AND IDENTIFICATION
COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... RUSH, 1964

RECORD 00499

GEOOTHERM SAMPLE FILE

GEOOTHERM FILE ID: 0074066

NAME OF SAMPLE SOURCE... CALIENTE HOT SPRINGS; CITY OF CALIENTE NORTH WELL

LOCATION
TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 04S 067E 07 NE

LAT/LONG... 37-37.2 N 114-31.2 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... LINCOLN

NORTHING... 4166342

GEOLOGIC PROVINCE... 24

EASTING... 718879

M.P. REFERENCE..... CALIENTE 1:250000, CALIENTE 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 41.7

WELL DEPTH (M)..... 40

WATER ANALYSIS

TOTAL DISSOLVED SOLIDS... 352

ANALYSIS IN PPM

AG.... CO3.... 7
AL.... CH....
BA.... F....
HE.... FE+J....
CA.... 29 HCO3.... 232
CL.... 26

ISOTOPES (0/001)
MU... 10
NA... S102... 84
NA+K... 70
ND... S04... 20

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... PHOENIX, 1948

RECORD 00500

GEOOTHERM SAMPLE FILE

GEOOTHERM FILE ID: 0074636

NAME OF SAMPLE SOURCE... CRYSTAL SPRINGS AREA

LOCATION
TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 05S 066E 10 SE

LAT/LONG... 37-31.8 N 115-14.0 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... LINCOLN

NORTHING... 4154931

GEOLOGIC PROVINCE...

EASTING... 656104

M.P. REFERENCE..... CALIENTE 1:250000, HIRKO 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES. LOCATION GIVEN AS CENTER NE 1/4 SEC 10.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1962/03/10

TEMPERATURE (C)..... 27.8

DISCHARGE..... 16958 L/MIN

MAF-B ANALYSIS

PH..... 7.2
CHARGE IMBALANCE (% DIFF).... 3.5
ANALYSIS IN PPM

AG....	CO3.....	N	MG....	22.	SI02..	31.
AL....	CR.....		NA....	24.	S04..	34.
B.....	FE(TOT).....		NB....			
BE....	MCU3.....	242.	NU3..	0.6		
CA....						
CL....						
CO....	K.....	5.5				

OTHER ANALYTICAL DATA... SAR = 0.72, RSC = 0.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... EAKIN, 1963b

RECORD 00501

GEOCHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... CRYSTAL SPRINGS AREA

GEOCHEM FILE ID: 0074638

LOCATION

COUNTRY..... UNITED STATES
STATE..... NEVADA
COUNTY..... LINCOLN

COORDINATES

LAT/LONG... 37-31.8 N 115-14.0 W
UTM ZONE... 11
NORTHING... 4154931.
EASTING... 656104.

GEOLOGIC PROVINCE...

MIR REFERENCE..... CALIENTE 1:250000, HIKKO 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1963/J4/15
TEMPERATURE (C)..... 27.2

MAF-B ANALYSIS

PH..... 8.4
SPECIFIC CONDUCTANCE..... 484.
TOTAL DISSOLVED SOLIDS... 295.
CHARGE IMBALANCE (% DIFF).... 0.0
ANALYSIS IN PPM

AG....	CO3.....	N	MG....	23.	SI02..	28.
AL....	CR.....		NA....	23.	S04..	21.
B.....	FE(TOT).....	0.5	NB....			
BE....	MCU3.....	272.	NU3..	1.1		
CA....						
CL....						
CO....	K.....	5.2				

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... COHEN, 1966

RECORD 00502

GEOCHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... CRYSTAL SPRINGS AREA

GEOCHEM FILE ID: 0074640

LOCATION

COUNTRY..... UNITED STATES
STATE..... NEVADA

COORDINATES

LAT/LONG... 37-31.8 N 115-14.0 W
UTM ZONE... 11

COUNTY..... LINCOLN
GEOLOGIC PROVINCE... CALIENTE 1:250000, MIKKO 1:24000
MAP REFERENCE.....
OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES; LOCATION GIVEN AS CENTER NE 1/4 SEC 10.
SAMPLE DESCRIPTION AND CONDITIONS
DATE/COLLECTOR..... 1963/04/15
TEMPERATURE (C)..... 27.2
WATER ANALYSIS
PH..... 8.0
TOTAL DISSOLVED SOLIDS... 277.
CHARGE IMBALANCE (X DIFF)... 4.4
ANALYSIS IN PPM
AG..... CO3.....
AL..... CA..... MG..... 24.
H..... 0.7 F..... 0.6 NA..... 23. SI02. 31.
BE..... FE(TOT)... NB..... 504.. 27.
CA..... HCO3..... 262. NO3.. 1.2
CL..... K..... 5.1
CO.....
REFERENCE AND IDENTIFICATION
COMPILED BY..... KUENIG, R. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... EAKIN, 1963

ISOTOPES (0/00)

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CRYSTAL SPRINGS AREA
LOCATION
COUNTRY..... UNITED STATES TOWNSHIP-RANGE
STATE..... NEVADA 05S 060E 10 NE
COUNTY..... LINCOLN
GEOLOGIC PROVINCE...
MAP REFERENCE..... CALIENTE 1:250000, MIKKO 1:24000
OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES; LOCATION GIVEN AS CENTER NE 1/4 SEC 10.
SAMPLE DESCRIPTION AND CONDITIONS
TEMPERATURE (C)..... 27.8

DISCHARGE..... 20062. L/MIN
REFERENCE AND IDENTIFICATION
COMPILED BY..... KUENIG, R. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... MIFFLIN, 1968

RECORD 00503
GEOTERM FILE ID: 0074637

COORDINATES

LAT/LONG... 37-31.8 N 115-14.0 W
UTM ZONE... 11
NORTHING... 4154931.
656104.

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... CRYSTAL SPRINGS AREA
LOCATION
COUNTRY..... UNITED STATES TOWNSHIP-RANGE
STATE..... NEVADA 05S 060E 10
COUNTY..... LINCOLN
GEOLOGIC PROVINCE... 24
MAP REFERENCE..... CALIENTE 1:250000, MIKKO 1:24000
OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.51 MILES.
SAMPLE DESCRIPTION AND CONDITIONS
DATE/COLLECTOR..... 1912/11/16

RECORD 00504
GEOTERM FILE ID: 0074639

COORDINATES

LAT/LONG... 37-31.8 N 115-14.0 W
UTM ZONE... 11
NORTHING... 4154931.
656104.

TEMPERATURE (C)..... 32.2
DISCHARGE..... 10145. L/MIN
WATER ANALYSIS
TOTAL DISSOLVED SOLIDS... 306.
ANALYSIS IN PPM

AG.... CO3..... N
AL.... CR.....
B....
FE (TOT).....
CA.... 53. HCO3.... 261.
CL.... 11.

MG... 23.
NA... 19.
NO... 37.

S102... 26.
S04... 37.

ISOTOPES (0200)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... HARDMAN AND MILLER, 1934

RECORD 00505

GEOHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... CRYSTAL SPRINGS AREA
LOCATION
COUNTRY..... UNITED STATES TOWNSHIP-RANGE
STATE..... NEVADA 05S 060E 10
COUNTY..... LINCOLN
GEOLOGIC PROVINCE..

COORDINATES

LAT/LONG... 37-31.8 N 115-14.0 W
UTM ZONE... 11
NORTHING... 4154931.
656104.

GEOHEM FILE NO: 0074635

MAP REFERENCE..... CALIENTE 1:250000, HIKKO 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.191 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 32.2
DISCHARGE..... 34060. L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... WARRING, 1965

RECORD 00506

GEOHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... DELMUE BRUS. NORTH WELL
LOCATION
COUNTRY..... UNITED STATES TOWNSHIP-RANGE
STATE..... NEVADA 02S 060E 08 S4
COUNTY..... LINCOLN
GEOLOGIC PROVINCE.. 24

COORDINATES

LAT/LONG... 37-47.2 N 114-23.5 W
UTM ZONE... 11
NORTHING... 4185145.
727692.

GEOHEM FILE NO: 0074648

MAP REFERENCE..... CALIENTE 1:250000, BENNETT PASS 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.35 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1963/12/04
TEMPERATURE (C)..... 23.9
WELL DEPTH (M)..... 37.

PERTINENT LITHOLOGY..... CLAY, SANDY CLAY, AND GRAVEL TO BOTTOM.

OTHER SAMPLE INFORMATION.. CASING PERFORATED 74-90 FT.

WATER ANALYSIS

P..... 7.8
ANALYSIS IN PPM
AL.....
CH.....
MG... 31.

ISOTOPES (0200)

CA.... 61. HCOJ.... 308.
CL.... 63.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... PUGH, 1964

RECORD 00507

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0074660

NAME OF SAMPLE SOURCE... DELMUL'S SPRINGS AREA, TWO SPRINGS.

WAKING NUMBER..... 144A

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES U1S 068E 13 NE OF NW SE

LAT/LONG... 37-51.35 N 114-19.3 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... LINCOLN

NORTHING... 4192996.

GEOLOGIC PROVINCE... 24

735637.

MAP REFERENCE..... CALIENTE 1:250000, CONDOR CANYON 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.49 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 21.1

DISCHARGE..... 757. L/MIN

OTHER SAMPLE INFORMATION... 2 SPRINGS, WATER USED FOR IRRIGATION.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... HARDMAN AND MILLER, 1934

RECORD 00508

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0074659

NAME OF SAMPLE SOURCE... FLATNUSE RANCH AREA

WAKING NUMBER..... 144B

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES U1N 069E 34

LAT/LONG... 37-53.9 N 114-14.4 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... LINCOLN

NORTHING... 4197922.

GEOLOGIC PROVINCE...

742684.

MAP REFERENCE..... CALIENTE 1:250000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 21.1

DISCHARGE..... 379. L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... WAKING, 1965

RECORD 00509

GEOTERM SAMPLE FILE

GEOTERM FILE ID: 0074658

NAME OF SAMPLE SOURCE... FLATNUSE RANCH AREA

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES U1N 069E 34 SE

LAT/LONG... 37-53.9 N 114-13.9 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... LINCOLN

NORTHING... 4197943.

GEOLOGIC PROVINCE... 24
MAP REFERENCE... CALIENTE 11250000
OTHER LOCALITY INFORMATION... DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1946/12/00

TEMPERATURE (C)... 25

DISCHARGE... 1514 L/MIN

PERTINENT LITHOLOGY... TERTIARY LAVA

OTHER SAMPLE INFORMATION... BURIED FAULT, WATER USED FOR IRRIGATION

WATER ANALYSIS

TOTAL DISSOLVED SOLIDS... 241

ANALYSIS IN PPM

AG... CO3... N

AL... CR... 10

B... F... NA... 20

BA... FE+3... NA+K... 42

RE... FE(TOT)... NB... 504... 44

CA... 36... HCO3... 162

CL... 20

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... PHOENIX, 1948

RECORD 00510

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... GEYSER RANCH SPRINGS

LOCATION

COUNTRY... UNITED STATES U9N 065E 01

STATE... NEVADA

COUNTY... LINCOLN

MAP REFERENCE... LUND 11250000

OTHER LOCALITY INFORMATION... 5 MILES EAST OF PATTERSON

COORDINATES

LAT/LONG... 38-40.5 N 114-37.4 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1912/00/00 CARPENTER, E.

TEMPERATURE (C)... 18.0

DISCHARGE... 189 L/MIN

PERTINENT LITHOLOGY... FROM VALLEY ALLUVIUM NEAR TERTIARY LAVA

WATER ANALYSIS

DATE/ANALYST... DINSMORE, S. C. UNIV. NEV.

ALKALINITY... 262 AS CaCO3

TOTAL DISSOLVED SOLIDS... 132

ANALYSIS IN PPM

AG... CO3... N

AL... CR... 37

B... F... NA... 11

BA... FE+3... NA+K... 1

RE... FE(TOT)... 0.1 NB... 504... 11

CA... 44... HCO3... 124 NB... 22

CL... 2.0

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE... CARPENTER, 1915

RECORD 00511

GEOHEM SAMPLE FILE

GEOHEM FILE ID: 0074657

NAME OF SAMPLE SOURCE... GEYSER RANCH SPRINGS

WIRING NUMBER..... 142

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES

LAT/LONG... 38-39.5 N 114-37.8 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... LINCOLN

NORTHING... 4281321

GEOLOGIC PROVINCE... 24

Easting... 706224

MAP REFERENCE..... LUND 1:250000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1963/08/04

TEMPERATURE (C)..... 21.

DISCHARGE..... 17034 L/MIN

WATER ANALYSIS

PH..... 8.0

SPECIFIC CONDUCTANCE..... 181.

TOTAL DISSOLVED SOLIDS... 115.

CHARGE IMBALANCE (% DIFF)... 2.9

ANALYSIS IN PPM

AG..... CO3..... N

AL..... CR.....

BA..... F..... N

BE..... FE(TOT).....

CA..... 300 MCJ3..... 103.

CL..... 3.0

CO..... K..... 1.8

OTHER ANALYTICAL DATA... SAR = 0.1, MSC = 0.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, H. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... RUSH AND EAKIN, 1963

ISOTOPES (0/001)

GEOHEM SAMPLE FILE

GEOHEM FILE ID: 0074657

NAME OF SAMPLE SOURCE... HAMMOND RANCH AREA

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES

LAT/LONG... 38-17.8 N 114-16.4 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... LINCOLN

NORTHING... 4242043

GEOLOGIC PROVINCE... 24

Easting... 738454

MAP REFERENCE..... LUND 1:250000; TRAIL CANYON 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 28.9

OTHER SAMPLE INFORMATION: SEVERAL SPRINGS; WATER USED FOR IRRIGATION.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... CARPENTER, 1915; WARING, 1965

RECORD 00513

GEOHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... HIKKO SPRING AREA
 LOCATION
 COUNTRY... UNITED STATES TOWNSHIP-RANGE 04S 060E 14 NE 1/4 NW 1/4
 STATE... NEVADA
 COUNTY... LINCOLN
 GEOLOGIC PROVINCE...
 MAP REFERENCE... CALIENTE 1:250000, HIKKO 1:24000

COORDINATES
 LAT/LONG... 37-35.85 N 115-12.7 W
 UTM ZONE... 11
 NORTHING... 6162457
 657870

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1966/00/00
 TEMPERATURE (C)... 26.7
 DISCHARGE... 9085 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, B. A.
 COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE... MIFFLIN, 1968

RECORD 00514

GEOHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... HIKKO SPRING AREA
 LOCATION
 COUNTRY... UNITED STATES TOWNSHIP-RANGE 04S 060E 22
 STATE... NEVADA
 COUNTY... LINCOLN
 GEOLOGIC PROVINCE...
 MAP REFERENCE... CALIENTE 1:250000, HIKKO 1:24000

COORDINATES
 LAT/LONG... 37-35.2 N 115-14.1 W
 UTM ZONE... 11
 NORTHING... 6161216
 655838

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)... 72.2
 DISCHARGE... 15141 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, B. A.
 COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE... WARRING, 1965

RECORD 00515

GEOHEM SAMPLE FILE

NAME OF SAMPLE SOURCE... HIKKO SPRING AREA
 LOCATION
 COUNTRY... UNITED STATES TOWNSHIP-RANGE 04S 060E
 STATE... NEVADA
 COUNTY... LINCOLN
 GEOLOGIC PROVINCE...
 MAP REFERENCE... CALIENTE 1:250000, HIKKO 1:24000

COORDINATES
 LAT/LONG... 37-35.85 N 115-12.7 W
 UTM ZONE... 11
 NORTHING... 6162457
 657870

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1962/03/10
 TEMPERATURE (C)... 26.7
 DISCHARGE... 11167 L/MIN

HAIR ANALYSIS

GEOHEM FILE ID: 0074632

P..... 0.0

SPECIFIC CONDUCTANCE..... 494

CHARGE IMBALANCE (% DIFF)..... 3.4

ANALYSIS IN PPM

AG..... CO3..... N

AL..... CR.....

B..... 0.1 F..... 0.5

FE..... FE(TOT).....

CA..... 44. HCO3..... 260.

CL..... 11.

CO..... K..... 7.2

OTHER ANALYTICAL DATA... SAR = 3.88, RSC = 0.14

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... EAKIN, 1963H

RECORD 00516

GEO THERM SAMPLE FILE

GEO THERM FILE ID: 0074833

NAME OF SAMPLE SOURCE... MIKKO SPRING AREA

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES

U4S U60E 14

NE OF NW SE

LAT/LONG... 37-35.85 N 115-12.7 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... LINCOLN

NORTHING... 4162457

GEOLOGIC PROVINCE... 24

EASTING... 657876

MAP REFERENCE..... CALIFORNIA 1:250000, MIKKO 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1912/11/15

TEMPERATURE (C)..... 72.2

DISCHARGE..... 20365 L/MIN

OTHER SAMPLE INFORMATION... WATER USED FOR DOMESTIC PURPOSES AND IRRIGATION.

WATER ANALYSIS

TOTAL DISSOLVED SOLIDS... 315.

ANALYSIS IN PPM

ISOTOPES (U238)

AG..... CO3..... N

AL..... CR.....

B..... F.....

BA..... FE+3.....

HE..... FE(TOT)..... N

CA..... 52. HCO3..... 272.

CL..... 11.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... CARPENTER, 1915

RECORD 00517

GEO THERM SAMPLE FILE

GEO THERM FILE ID: 0002146

NAME OF SAMPLE SOURCE... MIKKO SPRING

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES

U4S U60E 22

LAT/LONG... 37-35.2 N 115-13.8 W

STATE..... NEVADA

COUNTY..... LINCOLN

MAP REFERENCE.....HIK0 1124000 CALIENTE 1125000
OTHER LOCALITY INFORMATION: 6 MILES NORTH OF HIK0
SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR.....1912/00/00 CARPENTER, E.
DISCHARGE.....15141. L/MIN

WATER ANALYSIS

DATE/ANALYST.....DINSMORE, S. CIVIL UNIV, ILL.

ALKALINITY.....228 AS CaCO3

TOTAL DISSOLVED SOLIDS... 315.

ANALYSIS IN PPM

AG....	CO3.....	N			
AL....	CR.....		MG...	24.	
B....	F.....	0.8	NA...	5102.	35.
HA....	FE+3....		NA+K...	22.	
RE....	FE(TOT)...		NB...	504..	36.
CA....	52.	MCU3....	272.		
CL....	11.				

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION

COMPILED BY.....SANFORD, LINDA
COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
REFERENCE.....CARPENTER, 1915

RECORD 00518

GEOGRAPHY SAMPLE FILE

NAME OF SAMPLE SOURCE...HOT SPRINGS HOTEL WELL

LOCATION.....TOWNSHIP-RANGE

COUNTRY.....UNITED STATES 045 067E 08

STATE.....NEVADA

COUNTY.....LINCOLN

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR.....1979/12/15 FLYNN, T.

TEMPERATURE (C).....45 AT (M).....5.

ELI DEPTH (M).....5.

WATER ANALYSIS

PH.....7.96

SPECIFIC CONDUCTANCE.....504.

CHARGE IMBALANCE (R DIFF).... 47.0

ANALYSIS IN PPM

AG....	CO3.....	199.	LI...	0.191	S....	
AL....	CR.....		MG...	6.9	SH...	
AS....	0.0049	CS.....	0.053			
B....	0.311	F.....	1.4	NA...	50.	5102. 142.
HA....	0.04					
RE....		FE(TOT) L	0.01	NB...	504..	36.
RI....		GA.....		NH4...	SR...	0.06
CA....	35.	MCU3....		NO3...	3.8	
CL....	31.					
CO....		K.....	22.	RB...	0.0423	

ISOTOPES (0/000)

DEL D OF WATER.....-106.
DEL (D18) OF WATER... -14.3

REFERENCE AND IDENTIFICATION

COMPILED BY.....GHUSIN, GEORGE E.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE.....NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00519

GEOTHERM FILE ID: 0026004

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... K. PHILLIPS WELL
 LOCATION... TOWNSHIP-RANGE
 COUNTRY... UNITED STATES 045 067E 008
 STATE... NEVADA
 COUNTY... LINCOLN

COORDINATES

LAT/LONG... 37-37.3 N 114-30.8 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1979/12/15 FLYNN, T.
 TEMPERATURE (C)... 42. AT (M)... 36.
 WELL DEPTH (M)... 36.

WATER ANALYSIS

PH... 7.75
 SPECIFIC CONDUCTANCE... 482.
 CHARGE IMBALANCE (% DIFF)... 51.6

ANALYSIS IN PPM

AG....	CO3....	207.	LI....	0.161		
AL....	CR....		MG....	8.0		
AS.... 0.0139	CS....	0.0049				
BA.... 0.112	F....	1.4	NA....	50.	SI02.	113.
BE.... L 0.1						
BI....	FE(TOT)...	0.028	ND....		S04...	31.
	GA....		NH4...		SR...	0.07
CA.... 30.	HCO3....		NO3...	2.7		
CL.... 17.						
CO....		18.	NO...	0.0128		

ISOTOPES (0200)

REFERENCE AND IDENTIFICATION

COMPILED BY... GHUSN, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00520

GEOTHERM FILE ID: 0026002

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... I.D.S. WELL
 LOCATION... TOWNSHIP-RANGE
 COUNTRY... UNITED STATES 045 067E 008
 STATE... NEVADA
 COUNTY... LINCOLN

COORDINATES

LAT/LONG... 37-37.2 N 114-30.8 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1979/12/15 FLYNN, T.
 TEMPERATURE (C)... 24.

WATER ANALYSIS

PH... 7.59
 SPECIFIC CONDUCTANCE... 813.
 CHARGE IMBALANCE (% DIFF)... 54.1

ANALYSIS IN PPM

AG....	CO3....	337.	LI....	0.205		
AL....	CR....		MG....	16.		
AS.... 0.0086	CS....	0.0062				
BA.... 0.409	F....	1.4	NA....	69.	SI02.	95.
BE.... L 0.1						
BI....	FE(TOT)...	0.01	ND....		S04...	54.
	GA....		NH4...		SR...	0.25

ISOTOPES (0200)

CA... 53... NCJ... NOJ... 2.5
 CL... 23...
 CO... 20... RB... 0.0168

REFERENCE AND IDENTIFICATION

COMPILED BY... GHOSH, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 0052

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074646

NAME OF SAMPLE SOURCE... LESTER MATHEWS WELL

LOC-IP... TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 025 068E 05 SW

LAT/LONG... 37-48.0 N 114-24.1 W

STATE... NEVADA

UTM ZONE... 11

COUNTY... LINCOLN

NORTHING... 4186600.

GEOLOGIC PROVINCE...

Easting... 728770.

MAP REFERENCE... CALIENTE 1:250000; PANACA 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1943/00/00

TEMPERATURE (C)... 25.6

WELL DEPTH (M)... 40.

PERMANENT LITHOLOGY... TOP SURFACE - SANDY CLAY, 18 FT. - CLAY, 35 FT. - INTERBEDDED SAND AND CLAY, 125 FT. - SAND AND GRAVEL.

REFERENCE AND IDENTIFICATION

COMPILED BY... KUENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE... RUSH, 1964

RECORD 00522

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074405

NAME OF SAMPLE SOURCE... LITTLE ASH SPRING, ALAMO SPRINGS, ASH SPRINGS

LOCATION... TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 055 060E 36 SE

LAT/LONG... 37-28.1 N 115-11.9 W

STATE... NEVADA

UTM ZONE... 11

COUNTY... LINCOLN

NORTHING... 4146148.

GEOLOGIC PROVINCE... 24

Easting... 659327.

MAP REFERENCE... CALIENTE 1:250000; ASH SPRINGS 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1974/02/04

TEMPERATURE (C)... 36.1

DISCHARGE... 34000. L/MIN

WATER ANALYSIS

P... 7.6
 SPECIFIC CONDUCTANCE... 497.
 TOTAL DISSOLVED SOLIDS... 332.

ISOTOPE (02/001)

ANALYSIS IN PPM			
AG... L 0.02	CU... M	LI... 0.061	
AL... L 0.024	CR... L 0.02	MG... 14.	SB... L 0.1
AS... 0.0024	CS... 0.4	MN... 0.01	
AU... L 0.02	CO... L 0.02	MO... 31.	SE... L 0.001
B... 8.7	F... 8.7	SI... 24.	
BA... 0.32	FE... 3.	SN... L 0.05	
	NA... K.		

HE.... L 0.005 FE(TOT).... 0.01 NB.... 504.... 34.1
 BI.... L 0.1 GA.... NH4.... L 0.2 SR.... 0.32
 AR.... GE.... NI.... 0.02
 CA.... 56. MC03.... 266. NO3.... 0.7
 CA-MG.... HG.... 0.0005 PB.... L 0.02
 CO.... 0.0005 H2S.... PO4.... L 0.1
 CL.... 21. K.... RD.... 0.030 ZN.... 2.0
 CO.... S.... 5.6

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... SANDERS AND MILES, 1974

RECORD 00523

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0026005

NAME OF SAMPLE SOURCE... CLOYD VAN KIRK WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 04S 067E 08
 STATE..... NEVADA
 COUNTY..... LINCOLN
 GEOLOGIC PROVINCE.. 24

LAT/LONG... 37-37.2 N 114-30.8 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1979/12/15 FLYNN, T.
 TEMPERATURE (C)..... 42.8 AT (M).... 36.
 WELL DEPTH (M)..... 36.

WATER ANALYSIS

PH..... 8.27
 SPECIFIC CONDUCTANCE..... 462.
 CHARGE IMBALANCE (8 DIFF).... 57.8
 ANALYSIS IN PPM

AG....	CO3....	231.	LI....	0.0202	S....	
AL....	CR....		MG....	6.4	SB....	
AS....	CS....	0.0065	NA....	54.	SI02.	114.
B....	F....	1.7	NB....		S04..	19.
BA....	FE(TOT) L	0.055	NH4....		SR....	0.08
BE....	GA....		NO3....	0.447		
BI....	MC03....		PO4....			
CA....	K....	23.	RD....	0.0083		
CL....						
CO....						

ISOTOPES (0/100)

DEL D OF WATER..... -109.
 DEL O(18) OF WATER... -14.4

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00524

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0026005

NAME OF SAMPLE SOURCE... MILLER WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 04S 067E 05
 STATE..... NEVADA
 COUNTY..... LINCOLN
 GEOLOGIC PROVINCE.. 24

LAT/LONG... 37-37.2 N 114-30.8 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1979/12/15 FLYNN, T.
 TEMPERATURE (C)..... 39.7 AT (M)..... 36.
 WELL DEPTH (M)..... 36.

WATER ANALYSIS

PH..... 7.75
 SPECIFIC CONDUCTANCE..... 554.
 CHARGE IMBALANCE (% DIFF)..... 58.8

ANALYSIS IN PPM

AG.....	CO3.....	254.	LI.....	0.196		
AL.....	CR.....		MG.....	8.3		
AS.....	0.018	CS.....	0.0049			
B.....	0.394	F.....	1.4	NA.....	47.	SI02.. 113.
RE.....		FE(TOT).....	0.049	NH.....		S04.. 44.
RI.....		GA.....		NH4..		SH... 0.15
CA.....	46.	HC03.....		NO3..	1 0.01	
CL.....	26.					
CO.....		K.....	16.	NO.....	0.0181	

ISOTOPIES (U200)

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHOSH, GEORGE E.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00525

GEOHERM SAMPLE FILE

GEOHERM FILE ID: 0074650

NAME OF SAMPLE SOURCE... N. J. GUNDERSON WELL
LOCATION
 COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... LINCOLN
 GEOLOGIC PROVINCE.. 24
TOWNSHIP-RANGE
 T35 R55E 19 SE OF SE

COORDINATES

LAT/LONG... 37-40.15 N 115-49.7 W
 UTM ZONE... 11
 NORTHING... 4169550.
 603334.

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1963/00/00
 TEMPERATURE (C)..... 26.3
 WELL DEPTH (M)..... 73.

PERTINENT LITHOLOGY..... ON ALLUVIUM BEDROCK CONTACT.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... VAN DENHUGH AND RUSH, 1974

RECORD 00526

GEOHERM SAMPLE FILE

GEOHERM FILE ID: 0074647

NAME OF SAMPLE SOURCE... PANACA LDS CHURCH WELL
LOCATION
 COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... LINCOLN
 GEOLOGIC PROVINCE.. 24
TOWNSHIP-RANGE
 T25 R68E 07 NE

COORDINATES

LAT/LONG... 37-47.6 N 114-24.1 W
 UTM ZONE... 11
 NORTHING... 4185836.
 121910.

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1963/12/00

TEMPERATURE (C)..... 23.3
 WELL DEPTH (M)..... 41.
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... RUSH, 1964

RECORD 00527

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... PANACA WARM SPRINGS AREA
 LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE 02S 06SE 04
 STATE..... NEVADA
 COUNTY..... LINCOLN
 GEOLOGIC PROVINCE...
 MAP REFERENCE..... CALIENTE 1:250000 PANACA 1:24000

COORDINATES

LAT/LONG... 37-48.5 N 114-22.8 W
 UTM ZONE... 11
 NORTHING... 4187518.
 730652.

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES; LOCATION GIVEN AS CENTER N/2 SEC 4.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 30.6
 DISCHARGE..... 13627 L/MIN

WATER ANALYSIS

TOTAL DISSOLVED SOLIDS... 273.
 ANALYSIS IN PPM

ISOTOPES (0/00)

AG....	CU3.....	34.			
AL....	CR.....		MO....	15.	
B....	F.....		NA....	5102.	4.
BA....	FE3....		NA+K.	21.	
BE....	FE(TOT)...		NH....	504..	31.
CA....	MCU3....	149.			
CL....					

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... PHOENIA, 1948

RECORD 00528

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... PANACA WARM SPRINGS AREA
 MARKING NUMBER..... 145
 LOCATION
 COUNTRY..... UNITED STATES TOWNSHIP-RANGE 02S 06SE 04
 STATE..... NEVADA
 COUNTY..... LINCOLN
 GEOLOGIC PROVINCE...
 MAP REFERENCE..... CALIENTE 1:250000 PANACA 1:24000

COORDINATES

LAT/LONG... 37-48.5 N 114-22.8 W
 UTM ZONE... 11
 NORTHING... 4187518.
 730652.

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES; LOCATION GIVEN AS N/2 OF SEC 4.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1963/04/15
 TEMPERATURE (C)..... 29.5
 DISCHARGE..... 18472 L/MIN

WATER ANALYSIS

PH..... 8.1
 SPECIFIC CONDUCTANCE..... 401.
 TOTAL DISSOLVED SOLIDS... 271.

CHARGE IMBALANCE (9 DIFF) ... 0.1

ANALYSIS IN PPM

AL....	CR.....	MG...	9.8
B..... 0.1	F..... 1.6	NA...	38.
HE.....	FE(TOT) N	NB...	5102.
CA..... 31.	MC03.... 189.	NO3...	504.. 29.
CL.... 15.			
CO....			

ISOTOPES (0/00)

QUALIFICATION FIELD.... TEMPERATURE LISTED IS A MAXIMUM - GIVEN AS 85-88 F.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... RUSH, 1964

RECORD 00529

GEOHEM SAMPLE FILE

GEOHEM FILE NO: 0074645

NAME OF SAMPLE SOURCE... PANACA WARM SPRINGS AREA, UAL SPRING

LOCATION

COORDINATES

COUNTRY..... UNITED STATES 02S 068E 04

LAT/LONG... 37-48.5 N 114-22.8 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... LINCOLN

NORTHING... 4187578.

GEOLOGIC PROVINCE... 24

Easting... 730652.

MAP REFERENCE..... CALIFORNIA 1:250000, PANACA 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES, LOCATION GIVEN AS CENTER N/2 SEC 4.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1912/10/05

TEMPERATURE (C)..... 32.

DISCHARGE..... 4814 L/MIN

PERTINENT LITHOLOGY..... ISSUES FROM CARBONATE ROCK.

OTHER SAMPLE INFORMATION... RUMIED FAULT, SEVERAL SPRINGS.

WATER ANALYSIS

TOTAL DISSOLVED SOLIDS... 283.

ANALYSIS IN PPM(NA+K AND CA+MG IN EPM)

ISOTOPES (0/00)

AG....	CO3..... N		
AL....	CR.....	MG...	23.
B.....	F.....	NA...	5102.
BA....	FE+3....	NA+K...	1.8
BE....	FE(TOT)...	NB...	504.. 21.
CA.... 40.	MC03.... 178.	NO3... N	
CL.... 18.			

TRITIUM (T.U.)..... 1.8.

OTHER ANALYTICAL DATA... CL + SO4 = 1.91 EPM.

QUALIFICATION FIELD.... TEMPERATURE LISTED IS A MAXIMUM - GIVEN AS 85-89 F.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... CARPENTER, 1915; MIFFLIN, 1968

RECORD 00530

GEOHEM SAMPLE FILE

GEOHEM FILE NO: 0074649

NAME OF SAMPLE SOURCE... SAND SPRING

LOCATION

COORDINATES

COUNTRY..... UNITED STATES 02S 055E 26 NE OF SE SE

LAT/LONG... 37-44.4 N 115-45.1 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... LINCOLN

NORTHING... 4177497.

HYDROLOGIC PROVINCE... 24
MAP REFERENCE..... CALIFITE 11250000 WHITE BLOTCH SPRINGS 1162500
OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1975/10/05
TEMPERATURE (C)..... 30.
DISCHARGE..... 1. L/MIN

WATER ANALYSIS

PH..... 8.0
SPECIFIC CONDUCTANCE..... 809.

ANALYSIS IN MG/L

AG....	CO3.....	NO...	22.
AL....	CR.....	NA+K..	67.
HA....	FE+3....	NH...	504... 25.
HE....	FE(TOT)..		
CA.... 36.	HCO3.... 357.		
CL.... 5.			

ISOTOPES (U/001)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... VAN DENBURGH AND RUSH, 1974

RECORD 00531

GEOCHEM SAMPLE FILE

GEOCHEM FILE 101 0026007

NAME OF SAMPLE SOURCE... WALLIS WELL

LOCATION

COUNTRY..... UNITED STATES U4S U67E US NW
STATE..... NEVADA
COUNTY..... LINCOLN

TOWNSHIP-RANGE

COORDINATES

LAT/LONG... 37-37.3 N 114-30.8 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1979/12/15 FLYNN, T.
TEMPERATURE (C)..... 67. AT (M)... 27.
WELL DEPTH (M)..... 27.

WATER ANALYSIS

PH..... 7.71
SPECIFIC CONDUCTANCE..... 414.
CHARGE IMBALANCE (% DIFF)... 21.2

ANALYSIS IN PPM

AG....	CO3.....	191.	LI...	0.0463
AL....	CR.....		MG...	4.7
AS.... 0.0154	CS.....	0.0128		
A.... 0.321	F.....	1.6	NA...	69. SI02. 103.
BA.... 0.08				
BE....	FE(TOT)..	0.01	NH...	504... 33.
HI....	GA.....		NH4...	SR... 0.17
CA.... 33.	HCO3....		NO3...	7.1
CL.... 0.0556				
CO....	K.....	15.	NH...	0.048

ISOTOPES (U/001)

REFERENCE AND IDENTIFICATION

COMPILED BY..... GHUSN, GEORGE E.
COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... NEVADA BUREAU OF MINES AND GEOLOGY

RECORD 00532

GEOHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... AMBASSADOR WELL, ANTESIA LAKE AREA

LOCATION... TOWNSHIP-RANGE... 13N 023E 25 NW OF 54

COUNTRY... UNITED STATES

STATE... NEVADA

COUNTY... LYON

GEOLOGIC PROVINCE...

MAP REFERENCE... WALKER LAKE 1:250000; WELLINGTON 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1950/06/13

TEMPERATURE (C)... 27.8

WELL DEPTH (M)... 165

DISCHARGE... 151.4 L/MIN

WATER ANALYSIS

SPECIFIC CONDUCTANCE... 307

ANALYSIS IN PPM

AG... CO3... N

HA... F... NA...

HE... FE... NA+K... 71

HC... FE(TOT)... NO... 504... 22

CL... 7... NO3... 0.2

SI02... 80

SO4... 22

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, B. A.

COMPILED AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... LOELTZ AND EAKIN, 1953

GEOHERM FILE 101 0074602

COORDINATES

LAT/LONG... 38-57.4 N 119-21.7 W

UTM ZONE... 11

NORTHING... 4314413

295351

ISOTOPES (G/001)

RECORD 00533

GEOHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... AMBASSADOR WELL, ANTESIA LAKE AREA

LOCATION... TOWNSHIP-RANGE... 13N 023E 25 NW OF 54

COUNTRY... UNITED STATES

STATE... NEVADA

COUNTY... LYON

GEOLOGIC PROVINCE... 24

MAP REFERENCE... WALKER LAKE 1:250000; WELLINGTON 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1955/04/05

TEMPERATURE (C)... 27.8

WELL DEPTH (M)... 165

PERTINENT LITHOLOGY... WELL MAY PENETRATE VOLCANIC ROCKS AT DEPTH

WATER ANALYSIS

PH... 8.5

SPECIFIC CONDUCTANCE... 305

CHARGE IMBALANCE (% DIFF)... 0.9

ANALYSIS IN PPM (U IN MG/L)

AG... CO3... 4

AL... N CH... MG... 0.2

AS... CS... MN... N

H... F... 1.0 NA... 69

SI02... 30

GEOHERM FILE 101 0074631

COORDINATES

LAT/LONG... 38-57.4 N 119-21.7 W

UTM ZONE... 11

NORTHING... 4314413

295351

ISOTOPES (G/001)

HE.... FELT... 0.03 NB... 50... 23.
CA.... 2.0 HCO3... 166 NO3... 0.2
CA-MG... MG... PB... 0.... 0.0005
CU.... H2S... T P04... 0.6
CL.... 6.2
CO.... K... 3.4

OTHER ANALYTICAL DATA... RA = 2.5 MICROGRAMS/LITER:

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, R. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE... SCOTT AND HARKER, 1962

RECORD 00534

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... ARTESIA LAKE AREA

GEOTERM FILE 101 0074014

LOCATION

COUNTRY... UNITED STATES 13N 023E 27 SW OF SE

COORDINATES

STATE... NEVADA

LAT/LONG... 38-57.35 N 119-23.1 W

COUNTY... LYON

UTM ZONE... 11

GEOLOGIC PROVINCE...

NORTHING... 4314330

MAP REFERENCE... WALKER LAKE 1:250000 WELLINGTON 1:62500

EASTING... 293332

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.35 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1950/05/24

TEMPERATURE (C)... 21.1

WELL DEPTH (M)... 70

DISCHARGE... 45 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... LOELTZ AND EAKIN, 1953

RECORD 00535

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... ARTESIA LAKE AREA

GEOTERM FILE 101 0074612

LOCATION

COUNTRY... UNITED STATES 13N 023E 27 SE OF SE

COORDINATES

STATE... NEVADA

LAT/LONG... 38-57.35 N 119-21.1 W

COUNTY... LYON

UTM ZONE... 11

GEOLOGIC PROVINCE...

NORTHING... 4314298

MAP REFERENCE... WALKER LAKE 1:250000 WELLINGTON 1:62500

EASTING... 296221

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.34 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1950/05/24

TEMPERATURE (C)... 22.8

WELL DEPTH (M)... 52

DISCHARGE... 38 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... LOELTZ AND EAKIN, 1953

RECORD 00536

GEOHEM SAMPLE FILE

GEOHEM FILE 101 0074813

NAME OF SAMPLE SOURCE... ARTESIA LAKE AREA

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 13N 023E 27 SE OF SE

LAT/LONG... 38-57.35 N 119-23.1 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... LYON

NORTHING... 43143/3

GEOLOGIC PROVINCE... 24

EASTING... 293332

MAP REFERENCE..... WALKER LAKE 1:250000, WELLINGTON 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1950/05/24

TEMPERATURE (C)..... 24.4

WELL DEPTH (M)..... 47

DISCHARGE..... 93 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... LOELTZ AND EAKIN, 1953

RECORD 00537

GEOHEM SAMPLE FILE

GEOHEM FILE 101 0074815

NAME OF SAMPLE SOURCE... ARTESIA LAKE AREA

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 12N 023E 10 SW OF NW

LAT/LONG... 38-55.25 N 119-23.0 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... LYON

NORTHING... 4310515

GEOLOGIC PROVINCE... 24

EASTING... 292217

MAP REFERENCE..... WALKER LAKE 1:250000, WELLINGTON 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1967/10/21

TEMPERATURE (C)..... 21.1

WELL DEPTH (M)..... 14

DISCHARGE..... 3 L/MIN

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... EVENETT AND RUSH, 1967

RECORD 00538

GEOHEM SAMPLE FILE

GEOHEM FILE 101 0074000

NAME OF SAMPLE SOURCE... HAZEN (PATUA) HOT SPRINGS, MAGMA POWER CO. HAZEN NO. 1

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 26N 026E 18

LAT/LONG... 39-36.1 N 119-06.5 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... LYON

NORTHING... 4385402

GEOLOGIC PROVINCE...

EASTING... 316980

MAP REFERENCE..... HENO 1:250000, TWO TIPS 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 132.2

WELL DEPTH (M)..... 229.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... KUENIG, 1970

RECORD 00537

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... HAZEY AREA (PATUA HOT SPRINGS)

LOCATION

COUNTRY..... UNITED STATES 20N 020E 18 SW
 STATE..... NEVADA
 COUNTY..... LYON
 GEOLOGIC PROVINCE.....
 MAP REFERENCE..... MEMO 1:250000, TWO TIPS 1:62500

COORDINATES

LAT/LONG... 39-35.8 N 119-06.2 W
 UTM ZONE... 11
 NORTHING... 4384877
 EASTING... 310396

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 80.1

WATER ANALYSIS

P1..... 7.1
 SPECIFIC CONDUCTANCE..... 3530
 CHARGE IMBALANCE (% DIFF)..... 4.7

ANALYSIS IN PPM

AG.....	CO3.....	LI....	1.0	SA....
AL..... 0.004	CR.....	MO....	1.5	SB....
AS.....	CS..... 1.2	NI....	0.06	
AU.....	CU..... 0.01	NA....	620.	SIG2. 150.
H..... 5.0	F..... 4.2	ND....		SG4.. 400.
HE.....	FE(TOT) 0.02			
CA..... 7.0	HCO3..... 100.			
CA-MG.	MG..... 0.0001			
CL..... 820.				
CO.....	K..... 38.	Rd....	0.25	

ISOTOPES (0/100)

DEL D OF WATER..... -121.5
 DEL D (18) OF WATER... -13.30

GAS ANALYSIS

ANALYSIS IN VOLUME %

CH4.. 2.	N2... 81.
C2H6..	
CO2.. 6.	

ISOTOPES (100/1)

OTHER ANALYTICAL DATA... O2 + AR = 11.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MARINER AND OTHERS, 1975

RECORD 00540

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... HIND'S (NEVADA) HOT SPRINGS

LOCATION

COUNTRY..... UNITED STATES 12N 023E 21 NW
 STATE..... NEVADA
 COUNTY..... LYON
 GEOLOGIC PROVINCE... 24
 MAP REFERENCE..... WALKER LAKE 1:250000, WELLINGTON 1:62500

COORDINATES

LAT/LONG... 38-53.7 N 119-24.9 W
 UTM ZONE... 11
 NORTHING... 4307689
 EASTING... 290554

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES. LOCATION ALSO GIVEN AS SECTION 16.

GEOTHERM FILE ID: 0074404

S474 SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 62.2
DISCHARGE..... 7881 L/MIN

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 495.

ANALYSIS IN PP4

AG....	CO3.....	24.	NA....	SI02.	61.
R.....	F.....	2.7	NA+K.	173.	
HA....	FE+3....		NB....	504.	145.
RE....	FE(TOT)		NO3..	N	
CA....	HC03....	N			
CL....					

ISOTOPES (0/000)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... LUELTZ AND EAMIN, 1953

RECORD 005-1

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... NEVADA HOT SPRINGS

GEOTHERM FILE 101 0000659

LOCATION

COUNTRY..... UNITED STATES
STATE..... NEVADA
COUNTY..... LYON
GEOLOGIC PROVINCE... 24
MAP REFERENCE..... WALKER LAKE 1:250000; WELLINGTON 1:62500

10-45HIP-RANGE

12N 023E 10 SE

COUNTINUES

LAT/LONG... 38-53.97 N 119-24.70 W
UTM ZONE... 11
NUMERICAL... 4308101
-290050.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MARINER'S GROUP

TEMPERATURE (C)..... 61.0

DISCHARGE..... 200 L/MIN

WATER TREATMENT..... PRESSURE FILTERED THROUGH A .1 MICROMETRE MEMBRANE FILTER, DILUTED

DEPOSITS OR ALTERATION... CAC03 APPROX DEPOSITED

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

P..... 8.7

SPECIFIC CONDUCTANCE..... 507.

CHARGE IMBALANCE (+ DIFF)... 10.7

ANALYSIS IN MG/L

AG....	CO3.....	7.	LI....	0.08	S....	
AL....	CR.....		MG....	0.01	SH....	
AS....	CS.....	L 0.1	MA....	L 0.02		
AU....	CJ.....	L 0.01				
B.....	F.....	3.1	NA....	102.	SI02.	52.
BE....	FE(TOT)	0.06	NB....		SO4..	109.
BI....	GA.....		NH4..		SH....	0.2
CA....	HC03....	54.				
CA+MG.	MG.....	0.0003				
CU....	M2S.....		PO4..	0.06		
CL....						
CO....	K.....	2.5	RB....	0.02		

ISOTOPES (0/000)

DEL D OF WATER..... -12.2
DEL D(18) OF WATER... -16.01

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
REFERENCE..... MARINER AND OTHERS, 1974; MARINER AND OTHERS, 1975

RECORD 00542

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074624

NAME OF SAMPLE SOURCE... SUTRO TUNNEL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 16N 02E 02 NE OF NE SE

STATE... NEVADA

COUNTY... LYON

GEOLOGIC PROVINCE...

M.P. REFERENCE... MENO 1:250000, VIRGINIA CITY 1:62500, FLOWERY PEAK 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1970/06/01

TEMPERATURE (C)... 25.3

DISCHARGE... 0.715 L/MIN

OTHER SAMPLE INFORMATION: WATER DRAINS FROM THE COMSTOCK MINING DISTRICT, STOREY COUNTY.

QUALIFICATION FIELD... FLOW LISTEN IS A MAXIMUM - GIVEN AS 25-50 GPM.

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, H. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... GLANCY AND KATZEN, 1975

RECORD 00543

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074625

NAME OF SAMPLE SOURCE... SUTRO TUNNEL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY... UNITED STATES 16N 02E 02 NE OF NE SE

STATE... NEVADA

COUNTY... LYON

GEOLOGIC PROVINCE...

M.P. REFERENCE... MENO 1:250000, VIRGINIA CITY 1:62500, FLOWERY PEAK 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1959/04/16

TEMPERATURE (C)... 21.2

WATER ANALYSIS

P... 7.5

SPECIFIC CONDUCTANCE... 1050

TOTAL DISSOLVED SOLIDS... 1320

C-ARGE IMBALANCE (8 DIFF)... 0.5

ANALYSIS IN PPM

AG... CO3...

AL... CR...

AS... CS...

B... 0.03 F... 0.0

HE... FE(TOT)... 3.3

CA... 267. HCO3... 312.

CO... H2S...

CL... 8.2

CO... K... 4.6

MG... 53.
MN... 1.2
NA... 67.
NO... 34.
NU3... N
PU4... N

ISOTOPES (0/001)

SI02... 34.
SO4... 732.

REFERENCE AND IDENTIFICATION

COMPILED BY... KOENIG, H. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE... GLANCY AND KATZEN, 1975

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... U.S. STEEL CORP. MINDS NUMBER 1 WELL

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 12N 023E 10 S. SW OF SE

LAT/LONG... 38-53.9 N 119-24.7 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... LYON

NORTHING... 430052

GEOLOGIC PROVINCE...

Easting... 290852

MAP REFERENCE..... WALKER LAKE 1:250000; WELLINGTON 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 65.6

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, J.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GARSIDE AND SCHILLING, 1979

RECORD 00545

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 16N 022E 07 NW OF SE NW

LAT/LONG... 39-16.1 N 119-33.6 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... LYON

NORTHING... 434470

GEOLOGIC PROVINCE... 22

Easting... 214144

MAP REFERENCE..... MEND 1:250000; FLORENTY PEAK 1:24000; VIRGINIA CITY 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1967/10/06

TEMPERATURE (C)..... 26.7

ELL DEPTH (M)..... 31

WATER ANALYSIS

P..... 7.7

TOTAL DISSOLVED SOLIDS... 583

ANALYSIS IN PPM

AG.... CO3.... N

AL.... CR..... MG.... 1

BA.... FE+3.... NA+K... 42

RE.... FE(TOT)... 0.13 NB.... 504... 172

CA.... 152... HCO3.... 149... NO3... N

CL.... 21

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GLANCY AND KATZEN, 1975

RECORD 00546

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED

MINDS NUMBER..... 104

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 07N 027E 04 SW OF SE

LAT/LONG... 38-29.5 N 118-57.9 W

STATE..... NEVADA
COUNTY..... LYON
GEOLOGIC PROVINCE... 24
M.P. REFERENCE..... WALKER LAKE 1:250000, AUMONA 1:62500
OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES
SAMPLE DESCRIPTION AND CONDITIONS
TEMPERATURE (C)..... 43.3
OTHER ANALYTICAL DATA... U = 2000; (MANOMETRIC ANALYSIS)
REFERENCE AND IDENTIFICATION
COMPILED BY..... FLYNN, T.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... DAVIS, 1954; WAKING, 1965

RECORD 00547

GEOTHERM SAMPLE FILE

GEOTHERM FILE NO: 0000752

NAME OF SAMPLE SOURCE... UNNAMED HOT SPRING NEAR FERNLEY
LOCATION
COUNTRY..... UNITED STATES TOWNSHIP-RANGE
STATE..... NEVADA 20N 02E 18 SW
COUNTY..... LYON COORDINATES
M.P. REFERENCE..... MENO 1:250000, TWO TIPS 1:62500 LAT/LONG... 39-36.0 N 119-07.0 W
SAMPLE DESCRIPTION AND CONDITIONS
DATE/COLLECTOR..... 1972/00/00 BARNES GROUP
TEMPERATURE (C)..... 45
WATER TREATMENT..... PRESSURE-FILTERED THROUGH A .45 MICROMETER MEMBRANE, PORTION ACIDIFIED, DILUTED.

SALT ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP
ANALYSIS IN MG/L

AG....	CO3....	LI...	S....
AL.... 0.104	CH....	MG...	SH....
AS....	CS.... 0.2	MN... 0.06	
AI....	CU.... 0.01		
FE....	FE (T)... 0.02		
CA 40,	MO.... 0.001	KB... 0.23	

ISOTOPES (07/01)

DEL D OF WATER..... -121.5
DEL D (18) OF WATER... -13.30

GAS ANALYSIS

DATE/ANALYST..... 1974/00/00 BARNES GROUP

ANALYSIS IN VOLUME %

C4+...	2.		
C2+6...		N2... 81.	
CO2... 5.		O2... 11.	

ISOTOPES (00/01)

QUALIFICATION FIELD... 02 = 02 * AX.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
COMPILER CROSS INDEX... NEM-953
REFERENCE..... MARINER AND OTHERS, 1975

RECORD 00548

GEOTHERM SAMPLE FILE

GEOTHERM FILE NO: 0002148

NAME OF SAMPLE SOURCE... UNNAMED WELL
LOCATION
COUNTRY..... UNITED STATES TOWNSHIP-RANGE
STATE..... NEVADA 14N 02E 25
COUNTY..... LYON

COORDINATES

LAT/LONG... 39-03.0 N 119-22.0 W

GEOLOGIC PROVINCE... 22
 M.P. REFERENCE... COMO 1:62500, FENO 1:25000
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR... 1955/04/06
 TEMPERATURE (C)... 27.7
 WELL DEPTH (M)... 165.
 DISCHARGE... 1533. L/MIN

PERTINENT LITHOLOGY... VAL

WATER ANALYSIS

P... 0.5
 SPECIFIC CONDUCTANCE... 305
 ALKALINITY... 0. AS CaCO_3
 TOTAL DISSOLVED SOLIDS... 244.
 CHARGE IMBALANCE (% DIFF)... 0.9

ANALYSIS IN PPM

AG....	CO3....	4.	MG....	0.2
AL....	CH....		MN....	N
AS....	CS....		NA....	69.
HE....	FE....	1.0	SI02.	36.
HA....	FE(TOT)...	0.03	SO4....	24.
CA....	HCO3....	146.	NO3....	0.2
CA+MG...	H3....		U....	0.0005
CL....	H2S....		PO4....	0.6
CO....	K....	3.4		

ISOTOPES (0/001)

OTHER ANALYTICAL DATA... RA JUC/L 2.5

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE... SCOTT AND BARKER, 1962

RECORD 00549

GEOHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... UNNAMED WELL
 LOCATION
 COUNTRY... UNITED STATES 16N 02E 12 S4 OF NE
 STATE... NEVADA
 COUNTY... LYON
 GEOLOGIC PROVINCE... 22

COORDINATES

LAT/LONG... 39-15.9 N 119-34.4 W
 UTM ZONE... 11
 NORTHING... 4349133.
 277983.

M.P. REFERENCE... FENO 1:25000, FLOWERY PEAK 1:24000

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES. LOCATION GIVEN AS SE/4 S4/4 NE/4.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1972/07/11
 TEMPERATURE (C)... 35.0
 WELL DEPTH (M)... 41.

WATER ANALYSIS

P... 7.0
 SPECIFIC CONDUCTANCE... 1280.

ANALYSIS IN PPM

AG....	CO3....	N	MG....	N
AL....	CH....		NA+K...	170.
HA....	FE+3...		NO...	
HE....	FE(TOT)...		SO4....	570.
CA....	HCO3....	49.		
CL....				

ISOTOPES (0/001)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GLANCY AND RATZKE, 1975

GEOCHEM. SAMPLE FILE

NAME OF SAMPLE SOURCE... WABUSKA AREA

GEOCHEM. FILE NO. 0074630

LOCATION

COUNTRY..... UNITED STATES 14N 02SE 01 NE OF NE NW
 STATE..... NEVADA
 COUNTY..... LYON
 GEOLOGIC PROVINCE..
 M.P. REFERENCE..... MEND 1:250000 WABUSKA 1:62500

COORDINATES

LAT/LONG... 39-06.7 N 119-08.1 W
 UTM ZONE... 11
 NORTHING... 4331130
 EASTING... 315404

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.2 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1966/UH/J2
 TEMPERATURE (C)..... 21.1
 WELL DEPTH (M)..... 111

WATER ANALYSIS

P..... 7.9
 TOTAL DISSOLVED SOLIDS... 333
 ANALYSIS IN PPM

AL.....	CH.....	MG.....	1.
BA.....	FE+3.....	NA+K.....	91.
HE.....	FE+2.....	NO.....	504... 110.
CA..... 5.	HC03.....		84.
CL..... 23.			

ISOTOPIES (U/ZRU)

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, R. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... DESERT RESEARCH INSTITUTE, 1973

RECORD 00551

GEOCHEM. SAMPLE FILE

NAME OF SAMPLE SOURCE... WABUSKA AREA

GEOCHEM. FILE NO. 0074629

LOCATION

COUNTRY..... UNITED STATES 15N 02SE 28 SE OF NE
 STATE..... NEVADA
 COUNTY..... LYON
 GEOLOGIC PROVINCE..
 M.P. REFERENCE..... MEND 1:250000 WABUSKA 1:62500

COORDINATES

LAT/LONG... 39-08.2 N 119-10.9 W
 UTM ZONE... 11
 NORTHING... 4334001
 EASTING... 311435

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1966/03/00
 TEMPERATURE (C)..... 30
 WELL DEPTH (M)..... 305

DISCHARGE..... 57. L/MIN

WATER ANALYSIS

P..... 8.2
 SPECIFIC CONDUCTANCE..... 652
 ANALYSIS IN PPM

AL.....	CH.....	MG.....	1.7
BA.....	FE+3.....	NA+K.....	129.

ISOTOPIES (U/ZRU)

HE.... FELTOTI... NB... 504... 128...
CA.... 7.2 HCO3.... 159...
CL.... 29...
OTHER ANALYTICAL DATA... SAR = 11, RSC = 2.11
REFERENCE AND IDENTIFICATION
COMPILED BY..... KOENIG, B. A.
COMPIILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... MUXEL, 1969

RECORD 00552

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0074629

NAME OF SAMPLE SOURCE... WABUSKA AREA

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 025E 21 NE OF SA

LAT/LONG... 39-08.7 N 119-11.6 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... LYON

NORTHING... 4334950

GEOLOGIC PROVINCE...

EASTING... 310449

MAP REFERENCE..... REVO 1:250000, WABUSKA 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1966/02/16

TEMPERATURE (C)..... 28.9

WELL DEPTH (M)..... 122

DISCHARGE..... 757 L/MIN

WATER ANALYSIS

P..... 8.0

SPECIFIC CONDUCTANCE..... 560

ANALYSIS IN PPM

ISOTOPES (0/001)

AG.... CO3.... 8

AL.... CR....

BA.... FE+3....

RE.... FELTOTI...

CA.... 4.0 HCO3.... 187

CL.... 24

OTHER ANALYTICAL DATA... NSC = 3.05, SAR = 14

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.

COMPIILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... MUXEL, 1969

RECORD 00553

GEOTHERM SAMPLE FILE

GEOTHERM FILE 101 0074027

NAME OF SAMPLE SOURCE... WABUSKA AREA

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 15N 025E 14 NW OF NE

LAT/LONG... 39-10.3 N 119-00.9 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... LYON

NORTHING... 4337817

GEOLOGIC PROVINCE...

EASTING... 314409

MAP REFERENCE..... MENO 1:250000, WABUSKA 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1966/02/17

TEMPERATURE (C)..... 30

WELL DEPTH (M)..... 44

DISCHARGE..... 95..... L7M11

WATER ANALYSIS

P..... 7.9
SPECIFIC CONDUCTANCE..... 1480.

ANALYSIS IN PPM

AL.....	CH.....	MG.....	1.6
BA.....	FE.....	NA+K.....	273.
BE.....	FE(TOT).....	NB.....	504.. 552.
CA..... 59.	MC03..... 72.		
CL..... 45.			

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... SAR = 12, RSC = 0.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KUENIG, R. A.
COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
REFERENCE..... HUXEL, 1969

RECORD 00554

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... WABUSKA HOT SPRINGS

LOCATION..... TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 15N 025E 16 SE

STATE..... NEVADA

COUNTY..... LYON

GEOLOGIC PROVINCE..

MAP REFERENCE..... WABUSKA 1:62500, RENO 1:250000

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1972/00/00 MOSE, R. K.

SAMPLE NUMBER..... 2

TEMPERATURE (C)..... 97.0

WATER TREATMENT..... PRESSURE-FILTERED THROUGH A .1 MICROMETRE MEMBRANE, PORTION ACIDIFIED, DILUTED

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

ANALYSIS IN MG/L

AG.....	CO3.....	LI.....	S.....
AL..... 0.017	CR.....	MG.....	SB.....
AS.....	CS..... L 0.1	MN..... L 0.02	
AU.....	CU..... L 0.01		
BE.....	FE(TOT) L 0.02		
CA+MG.....	MG..... L 0.0001	NB..... 0.09	

ISOTOPES (0/00)

DEL O OF WATER..... -129.7
DEL O(18) OF WATER... -15.36

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
REFERENCE..... MARINER AND OTHERS, 1974B; MARINER AND OTHERS, 1975

RECORD 00555

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... WABUSKA HOT SPRINGS

LOCATION..... TOWNSHIP-RANGE

COUNTRY..... UNITED STATES 15N 025E 16 SE

STATE..... NEVADA

COUNTY..... LYON

GEOLOGIC PROVINCE..

MAP REFERENCE..... WABUSKA 1:62500, RENO 1:250000

SAMPLE DESCRIPTION AND CONDITIONS

COORDINATES

LAT/LONG... 39-09.69 N 119-10.96 W
UTM ZONE... 11
NORTHING... 4336709.
EASTING... 311415.

GEOTERM FILE ID: 0000607

DATE/COLLECTOR..... 1972/00/00 ROSE, R. K.
 SAMPLE NUMBER..... 1
 TEMPERATURE (C)..... 97.
 WATER TREATMENT..... PRESSURE FILTERED THROUGH A .1 MICROMETRE MEMBRANE FILTER, DILUTED
 PERTINENT LITHOLOGY..... ALLUVIUM AND BASALT AND ANDESITE METAVOLCANICS.

WATER ANALYSIS

DATE/ANALYST..... 1972/00/00 BARNES GROUP

P..... 8.5
 SPECIFIC CONDUCTANCE..... 1550.
 ALKALINITY..... 70. AS HCO3

CHARGE IMBALANCE (± DIFF)..... 1.2

ANALYSIS IN MG/L

AG.....	CO3.....	LI.....	S.....
AL.....	CH.....	MG..... 0.2	S8.....
R.....	F.....	NA..... 277.	SI02..... 115.
HE.....	FE(TOT).....	ND.....	S04..... 580.
CA..... 38.	HCO3..... 70.		
CL..... 40.			
CO.....	K..... 15.		

ISOTOPIES (0/00)

DEUT. D. OF WATER..... -131.5
 DEL. O(18) OF WATER..... -16.01

QUALIFICATION FIELD..... BOILING SPRING.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION..... U.S. GEOLOGICAL SURVEY
 REFERENCE..... MARINER AND OTHERS, 1974; MARINER AND OTHERS, 1975

RECORD 00556

GEOTHERM SAMPLE FILE

GEOTHERM FILE NO: 0074009

NAME OF SAMPLE SOURCE..... WABUSKA HOT SPRINGS

WIRING NUMBER..... 62

LOCATION

COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... LYON
 GEOLOGIC PROVINCE.....
 MAP REFERENCE..... MEMO 1:250000, WABUSKA 1:62500

COORDINATES

LAT/LONG... 39-09.7 N 119-09.8 W
 UTM ZONE... 11
 NORTHING... 4336738.
 313086.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 72.2
 OTHER SAMPLE INFORMATION... SEVERAL SPRINGS. DIGITIZED LOCATION IS CENTER OF COMMON BORDER BETWEEN SECTIONS 14 AND 15. LOCATION GIVEN AS SECTIONS 11, 1, 15, 16, 23. TEMP. LISTED IS A MAXIMUM - GIVEN AS 138-162 F.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... WARING, 1965

RECORD 00557

GEOTHERM SAMPLE FILE

GEOTHERM FILE NO: 0002149

NAME OF SAMPLE SOURCE..... WABUSKA HOT SPRINGS

LOCATION

COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... LYON
 MAP REFERENCE..... WABUSKA 1:62500
 OTHER LOCALITY INFORMATION: NORTH OF WABUSKA, NEV.

COORDINATES

LAT/LONG... 39-09.6 N 119-11.0 W

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1969/10/15 FETH, J. H.
 POINT OF COLLECTION... SPRAY BELOW JET FROM VALVE
 TEMPERATURE (C)..... 97.2
 OTHER SAMPLE INFORMATION... NOT AS SURGING AS WABUSKA NE HOT STRONG JET, LARGELY WATER 15' TO 21' FROM VALVE.
 SALTGRASS ON MOUND WHERE WELL WAS DRILLED.

WATER ANALYSIS

DATE/ANALYST..... 1960/01/12 ROGERS, S. M.
 P..... 8.3
 SPECIFIC CONDUCTANCE..... 1580.
 ALKALINITY..... 98. AS CaCO3
 TOTAL DISSOLVED SOLIDS... 1150.
 CHARGE IMBALANCE (% DIFF)... 0.9

ANALYSIS IN PPM

AG....		CO3.....	2.	LI....	0.26
AL....	0.43	CK.....		MG....	N
AS....		CS.....		MN....	N
H....	0.90	F.....	7.7	NA....	291.
HE....		FE(TOT)...	0.02	NH4....	N
HI....		GA.....		NO3....	N
CA....	39.	HCO3.....	68.	PO4....	0.09
CO....		H2S.....	0.1		
CL....	46.				
CU....		K.....	12.		

ISOTOPES (0/00)

SI02... 99.
 SO4... 596.
 SR... 2.3

OTHER ANALYTICAL DATA... STRONG FLOC WITH ZN ACETATE.

REFERENCE AND IDENTIFICATION

COMPILED BY..... SANFORD, LINDA
 COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY
 REFERENCE..... WHITE, D., USGS, MENLO PARK

RECORD 00558

GEOTERM SAMPLE FILE

NAME OF SAMPLE SOURCE... WABUSKA HOT SPRINGS - MAGMA POWER CO. WABUSKA NO.3 WELL
 LOCATION.....
 COUNTRY..... UNITED STATES 15N 025E 15 NW OF SN
 STATE..... NEVADA
 COUNTY..... LYON
 GEOLOGIC PROVINCE...
 MAP REFERENCE..... MEND 11250000, WABUSKA 1102500

GEOTERM FILE ID: 0074382

COORDINATES

LAT/LONG... 39-09.7 N 119-10.0 W
 UTM ZONE... 11
 NORTHING... 4336705.
 311934.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1969/10/15 FETH, J.
 POINT OF COLLECTION... TOP OF CSG, USED BEAKER WIRED TO ROD TO REACH
 TEMPERATURE (C)..... 97.
 WELL DEPTH (M)..... 67.
 DISCHARGE..... 360. L/MIN
 OTHER SAMPLE INFORMATION... FLOWING

WATER ANALYSIS

DATE/ANALYST..... 1960/01/14 ROGERS, S. M.
 P..... 8.0
 SPECIFIC CONDUCTANCE..... 1490.
 ALKALINITY..... 120. AS CaCO3
 TOTAL DISSOLVED SOLIDS... 1090.
 CHARGE IMBALANCE (% DIFF)... 7.1

ANALYSIS IN PPM

AG....		CO3.....	N	LI....	0.25
AL....	0.41	CH.....		MG....	8.7

ISOTOPES (0/00)

AS....	7.0	GS....	7.5	HN....	N	SIJ2..	100.
FE....		FE(TOT)..	0.07	NA....	276.	S04..	566.
AL....		GA....		NH4...	0.08		
CA....	37.	HCO3....	80.	NO3...	N		
CO....		H2S....		PU4...	0.07		
CL....	45.						
CO....		K.....	12.				

OTHER ANALYTICAL DATA... SAP = 11, RSC = 0

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MUXEL, 1969

RECORD 00559

GEO THERM SAMPLE FILE

GEO THERM FILE 101 0074389

NAME OF SAMPLE SOURCE... WABUSKA HOT SPRINGS - MAGMA POWER CO. NO. CB-1 WELL
 LOCATION
 COUNTRY..... UNITED STATES 15N 025E 15 N4 OF 5N
 STATE..... NEVADA
 COUNTY..... LYON
 GEOLOGIC PROVINCE..
 MAP REFERENCE..... RENO 1:250000, WABUSKA 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES. 1/8 MILE NORTHEAST OF WELL CB2.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1959/10/15 FETH, J.
 POINT OF COLLECTION.. SPRAY FROM DISCHARGE JET INTO POLYETHYLENE BUCKET
 TEMPERATURE (C)..... 97.2
 WELL DEPTH (M)..... 149.
 DISCHARGE..... 5731. L/MIN
 OTHER SAMPLE INFORMATION.. DEPTH 490 FT. DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES - 1/8 MILE NE OF WELL CB

21 SAP=131 RSC=0

WATER ANALYSIS

DATE/ANALYST..... 1960/01/14 ROGERS, S. M.
 PH..... 8.6
 SPECIFIC CONDUCTANCE..... 1630.
 ALKALINITY..... 105. AS CAC03
 TOTAL DISSOLVED SOLIDS... 1210.
 CHARGE IMBALANCE (% DIFF)... 7.2

ANALYSIS IN PPM

AG....		CO3....	12.	LI....	0.32		
AL....	N	CH....		MG....	1.0		
AS....		CS....		HN....	N		
H....	1.0	F....	8.2	NA....	313.	SIJ2..	109.
HE....		FE(TOT)..	0.06	NH4...	N	S04..	642.
HI....		GA....		NO3...	N		
CA....	40.	HCO3....	52.	PU4...	0.14		
CO....		H2S....					
CL....	49.						
CO....		K.....	13.				

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... SAP = 13, RSC = 0

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... MUXEL, 1969

RECORD 00560

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... WABUSKA HOT SPRINGS - NEAR WABUSKA WELL
LOCATION... TOWNSHIP-RANGE

COUNTRY... UNITED STATES 15N 025E 15 NW OF SE

STATE... NEVADA

COUNTY... LYON

MAP REFERENCE... WABUSKA 1162500, RENO 1125000

OTHER LOCALITY INFORMATION... 2 MILES NORTH OF WABUSKA, NEV.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR... 1959/10/15 FETH. J.

TEMPERATURE (C)... 70.0

OTHER SAMPLE INFORMATION... PIT IS DEEPER THAN 4 FT. WATER IS BRUNNISH AND TES IS NOT GOOD

WATER ANALYSIS

DATE/ANALYST... 1960/01/14 ROGERS, S. A.

P... 7.2

SPECIFIC CONDUCTANCE... 2760.

ALKALINITY... 207. AS CaCO3

TOTAL DISSOLVED SOLIDS... 2160.

ANALYSIS IN PPM

AG....	CO3....	LI....	0.53
AL.... 0.24	CR....	MG....	1.2
AS....	CS....	MM....	N
BA.... 1.0	FE....	NA....	554. 5102. 128.
BE....	FE(TOT)... 0.08	NB....	504. 1180.
BI....	GA....	NH4....	0.32
CA.... 81.	MCU3.... 140.	NO3....	N
CD....	MCS....	PO4....	0.17
CO....	K.... 22.		

ISOTOPES (U/001)

REFERENCE AND IDENTIFICATION

COMPILED BY... SANFORD, LINDA

COMPILER AFFILIATION... U.S. GEOLOGICAL SURVEY

REFERENCE... WHITE, D. USGS, MENLO PARK

RECORD 00561

GEOTHERM SAMPLE FILE

NAME OF SAMPLE SOURCE... WABUSKA HOT SPRINGS- MAGMA POWER CO. WABUSKA NO. 3

LOCATION... TOWNSHIP-RANGE

COUNTRY... UNITED STATES 15N 025E 16 SE OF SE

STATE... NEVADA

COUNTY... LYON

GEOLOGIC PROVINCE... NEW 11250000, WABUSKA 1162500

OTHER LOCALITY INFORMATION... DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES. LOCATION GIVEN AS NW/4, SE/4, SE/4.

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)... 108.3

WELL DEPTH (M)... 678.

OTHER SAMPLE INFORMATION... DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES. CU=0.03 PPM. LOCATION GIVEN AS NW/4 SE/4 SE/4

WATER ANALYSIS

TOTAL DISSOLVED SOLIDS... 1279.

ANALYSIS IN PPM

AG.... CO3.... 6.

ISOTOPES (U/001)

GEOTHERM FILE ID: 0074011

COORDINATES

LAT/LONG... 39-09.5 N 119-11.1 W

UTM ZONE... 11

NORTHING... 4336413.

311205.

AS.... 0.03
 AU.... CU..... 0.03
 H..... F..... 9.3
 HE..... FE(TOT) 0.02 NU... S04.. 700.
 CA..... HCU3.... 73.
 CL.... 52.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GANSHIE AND SCHILLING, 1979

RECORD 00562

GEOHEM SAMPLE FILE

GEOHEM FILE ID: 0074407

NAME OF SAMPLE SOURCE... WELLINGTON WELL

LOCATION... TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 10N 023E 02 NW OF SE
 STATE..... NEVADA
 COUNTY..... LYON
 GEOLOGIC PROVINCE.. 24
 MAP REFERENCE..... VALDEN LAKE 1:250000, DESERT CREEK PEAK 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

LAT/LONG... 38-45.2 N 119-22.6 W
 UTM ZONE... 11
 NORTHING... 4291879
 293469

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1962/02/02
 TEMPERATURE (C)..... 47.2
 WELL DEPTH (M)..... 61.

WATER ANALYSIS

SPECIFIC CONDUCTANCE..... 581.
 ANALYSIS IN PPM

ISOTOPES (0/00)

AG.... CU3.... 22.
 S.... 1.0 F..... 3.5 NA... SiO2. 62.
 HA.... FE+3.... NA+K. 115.
 HE.... FE(TOT). NU... S04.. 157.
 CA.... HCU3.... 41. NU3.. 0.4
 CL.... 28.

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... LUELTZ AND EAKIN, 1953

RECORD 00563

GEOHEM SAMPLE FILE

GEOHEM FILE ID: 0074621

NAME OF SAMPLE SOURCE... BUREAU OF LAND MANAGEMENT NO. 2 WELL

LOCATION... TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES 03N 031E 07 NE OF SW
 STATE..... NEVADA
 COUNTY..... MINERAL
 GEOLOGIC PROVINCE.. 24
 MAP REFERENCE..... WALKER LAKE 1:250000, MONTUON VALLEY 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES.

LAT/LONG... 38-07.9 N 118-33.05 W
 UTM ZONE... 11
 NORTHING... 4221374
 362907

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1969/05/20
 TEMPERATURE (C)..... 25.6
 WELL DEPTH (M)..... 20.

OTHER SAMPLE INFORMATION.. WATER LEVEL 20.6 FT. BELOW CASING TOP.

WATER ANALYSIS

P1..... 7.7
 SPECIFIC CONDUCTANCE..... 360.
 ALKALINITY..... 98. AS CaCO3
 ANALYSIS IN PPM

ISOTOPES (0/00)

AG..... CO3..... N
 AL..... CR..... MG..... 8.
 BA..... FE..... NA..... 27.
 HE..... FE(TOT)..... NO..... 504. 23.
 CA..... 26. HCO3..... 144.
 CL..... 11.

REFERENCE AND IDENTIFICATION

COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... VAN DENBURGH AND GLANCY, 1970

RECORD 00564

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074617

NAME OF SAMPLE SOURCE... CITY OF HAWTHORNE WELL
 LOCATION

COORDINATES

COUNTRY..... UNITED STATES ORN 030E 27 S4
 STATE..... NEVADA
 COUNTY..... MINERAL
 GEOLOGIC PROVINCE... 24
 MAP REFERENCE..... WALKER LAKE 1:250000 HAWTHORNE 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES.

LAT/LONG... 38-31.2 N 118-37.65 W
 UTM ZONE... 11
 NORTHING... 4264501
 358117.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1957/05/01
 TEMPERATURE (C)..... 20.7
 WELL DEPTH (M)..... 194.

WATER ANALYSIS

P1..... 7.4
 SPECIFIC CONDUCTANCE..... 1180.
 TOTAL DISSOLVED SOLIDS... 810.
 C-ARGE IMBALANCE (% DIFF)... 1.3

ISOTOPES (0/00)

ANALYSIS IN PPM (U IN MG/L)
 AG..... CO3..... N
 AL..... 0.1 CR..... MG..... 14.
 AS..... CS..... MN..... N
 R..... F..... 0.7 NA..... 140. SI02. 25.
 BE..... FE(TOT)..... 0.01 NO..... 504. 403.
 CA..... 82. HCO3..... 82. NO3.. 0.2
 CA+MG. MG..... PO4.. N
 CD..... H2S.....
 CL..... 79.
 CO..... K..... 6.4

OTHER ANALYTICAL DATA... RA LT 0.1 MICROGRAMS/LITER.

REFERENCE AND IDENTIFICATION

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... SCOTT AND BARKER, 1962

RECORD 00565

GEOTHERM SAMPLE FILE

GEOTHERM FILE ID: 0074357

NAME OF SAMPLE SOURCE... CITY OF HAWTHORNE WELL

LOCATION
 COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... MINERAL
 GEOLOGIC PROVINCE..
 MAP REFERENCE..... WALKER LAKE 1:250000, HAWTHORNE 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.55 MILES
 SAMPLE DESCRIPTION AND CONDITIONS
 TEMPERATURE (C)..... 37.8
 REFERENCE AND IDENTIFICATION
 COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GANSIDE AND SCHILLING, 1979

COORDINATES
 LAT/LONG... 38-31.2 N 118-37.0 W
 UTM ZONE... 11
 NORTING... 4264500.
 358189

NECUMD 00566

GEOTHERM SAMPLE FILE
 NAME OF SAMPLE SOURCE... HAWTHORNE AREA
 LOCATION
 COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... MINERAL
 GEOLOGIC PROVINCE.. 24
 MAP REFERENCE..... WALKER LAKE 1:250000, HAWTHORNE 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.91 MILES.
 SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1972/02/18
 TEMPERATURE (C)..... 32.8
 WATER ANALYSIS

GEOTHERM FILE 101 0074618

COORDINATES
 LAT/LONG... 38-30.6 N 118-38.45 W
 UTM ZONE... 11
 NORTING... 4263472.
 356935

P4..... 7.8
 TOTAL DISSOLVED SOLIDS... 620.

ANALYSIS IN PPM

AL.....	CR.....	MG...	17.		
BA.....	FE+3....	NA+K..	75.		
BE.....	FE(TOT)..	NB...	50...	307.	
CA..... 91.	HCO3....	NO3..	1.5		
CL..... 19.					

ISOTOPES (0/00)

REFERENCE AND IDENTIFICATION
 COMPILED BY..... KUENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... DESERT RESEARCH INSTITUTE, 1973

NECUMD 00567

GEOTHERM SAMPLE FILE
 NAME OF SAMPLE SOURCE... HAWTHORNE AREA, NAVAL AMMUNITION DEPOT WELL NUMBER 5
 LOCATION
 COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... MINERAL
 GEOLOGIC PROVINCE..
 MAP REFERENCE..... WALKER LAKE 1:250000, HAWTHORNE 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.98 MILES
 SAMPLE DESCRIPTION AND CONDITIONS
 TEMPERATURE (C)..... 45.6
 REFERENCE AND IDENTIFICATION

GEOTHERM FILE 101 0074359

COORDINATES
 LAT/LONG... 38-00.54 N 118-40.5 W
 UTM ZONE... 11
 NORTING... 4207932.
 352949

COMPILED BY..... FLYNN, T.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GARSIDE AND SCHILLING, 1979

RECORD 00568

GEOTERM SAMPLE FILE

GEOTERM FILE 101 0074361

NAME OF SAMPLE SOURCE... HAWTHORNE AREA, NAVAL AMMUNITION DEPOT WELL NO. 1

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES UBN 030E 18 NE OF NE

LAT/LONG... 38-33.3 N 118-40.2 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... MINERAL

NORTHING... 4268511

GEOLOGIC PROVINCE... 24

354482

MAP REFERENCE... WALKER LAKE 1:250000; HAWTHORNE 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.38 MILES

SAMPLE DESCRIPTION AND CONDITIONS

TEMPERATURE (C)..... 51.1

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... GARSIDE AND SCHILLING, 1979

RECORD 00569

GEOTERM SAMPLE FILE

GEOTERM FILE 101 0074015

NAME OF SAMPLE SOURCE... HAWTHORNE AREA, NAVAL AMMUNITION DEPOT WELL NUMBER 3

LOCATION

TOWNSHIP-RANGE

COORDINATES

COUNTRY..... UNITED STATES UBN 031E 32 NW

LAT/LONG... 38-30.7 N 118-39.8 W

STATE..... NEVADA

UTM ZONE... 11

COUNTY..... MINERAL

NORTHING... 4263692

GEOLOGIC PROVINCE...

354970

MAP REFERENCE... WALKER LAKE 1:250000; HAWTHORNE 1:62500

OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.95 MILES OF COORDINATES.

SAMPLE DESCRIPTION AND CONDITIONS

DATE/COLLECTOR..... 1965/02/15

TEMPERATURE (C)..... 37.8

-ELI DEPTH (M)..... 138.

WATER ANALYSIS

P..... 7.9

SPECIFIC CONDUCTANCE..... 1340.

ANALYSIS IN PPM

AG..... CO3..... N

AL..... CH.....

BA..... FE.....

HE..... FE(MN).....

CA..... 33. HCO3..... 100.

CL..... 101.

MG... 10.

NA+K... 224.

NB... 372.

S04... 372.

ISOTOPES (P/100)

REFERENCE AND IDENTIFICATION

COMPILED BY..... FLYNN, T.

COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY

REFERENCE..... EVERETT AND RUSH, 1967

RECORD 00570

GEOTERM SAMPLE FILE

GEOTERM FILE 101 0074616

NAME OF SAMPLE SOURCE... NAVAL AMMUNITION DEPOT WELL NO. 2

LOCATION
 COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... MINERAL
 GEOLOGIC PROVINCE.. 24
 MAP REFERENCE..... WALKER LAKE 1:250000, MANTHOMME 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.59 MILES

TOWNSHIP-RANGE
 08N 03E 26 SE

COORDINATES
 LAT/LONG... 38-31.3 N 118-35.3 W
 UTM ZONE... 11
 NORTING... 4264741
 368663

SAMPLE DESCRIPTION AND CONDITIONS
 DATE/COLLECTOR..... 1966/02/15
 TEMPERATURE (C)..... 24

WATER ANALYSIS
 PH..... 8.0
 SPECIFIC CONDUCTANCE..... 1380
 ANALYSIS IN PPM
 AG..... CO3..... 11
 AL..... CR..... 14
 BA..... FE+3..... 205
 RE..... FE(TOT)..... 504.. 436
 CA..... 78.. HCO3..... 129
 CL..... 98

ISOTOPES (0/00)

OTHER ANALYTICAL DATA... SAR = 5.6, RSC = 0
 QUALIFICATION FIELD... TEMPERATURE 69 F ACCORDING TO U.S. NAVY DATA.

REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, B. A.
 COMPILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... EVERETT AND RUSH, 1967

RECORD 00571

GEOCHEM SAMPLE FILE

GEOCHEM FILE 101 0074014

NAME OF SAMPLE SOURCE... NAVAL AMMUNITION DEPOT WELL NO. 4
 LOCATION
 COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... MINERAL
 GEOLOGIC PROVINCE.. 24
 MAP REFERENCE..... WALKER LAKE 1:250000, POWELL MOUNTAIN 1:62500
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.98 MILES

TOWNSHIP-RANGE
 07N 03E 02 NE OF S4

COORDINATES
 LAT/LONG... 38-29.65 N 118-36.45 W
 UTM ZONE... 11
 NORTING... 4261604
 359810

SAMPLE DESCRIPTION AND CONDITIONS
 TEMPERATURE (C)..... 23.3

REFERENCE AND IDENTIFICATION
 COMPILED BY..... KOENIG, B. A.
 COMPIILER AFFILIATION... NEVADA BUREAU OF MINES AND GEOLOGY
 REFERENCE..... GANSIUE AND SCHILLING, 1979

RECORD 00572

GEOCHEM SAMPLE FILE

GEOCHEM FILE 101 0074020

NAME OF SAMPLE SOURCE... SODAVILLE (SODA) SPRINGS AREA, SPRINGS (SOUTH GROUP)
 LOCATION
 COUNTRY..... UNITED STATES
 STATE..... NEVADA
 COUNTY..... MINERAL
 GEOLOGIC PROVINCE..
 MAP REFERENCE..... WALKER LAKE 1:250000, SODAVILLE 1:24000
 OTHER LOCALITY INFORMATION: DIGITIZED LOCATION ACCURATE TO WITHIN 0.29 MILES

TOWNSHIP-RANGE
 06N 03E 29 SW OF S4 SE

COORDINATES
 LAT/LONG... 38-20.65 N 118-06.3 W
 UTM ZONE... 11
 NORTING... 4244373
 403430