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UURI-90-330

PUBLICATIONS
and
GEOTHERMAL SAMPLE LIBRARY FACILITIES

of the

Earth Science Laboratory
University of Utah Research Institute

by

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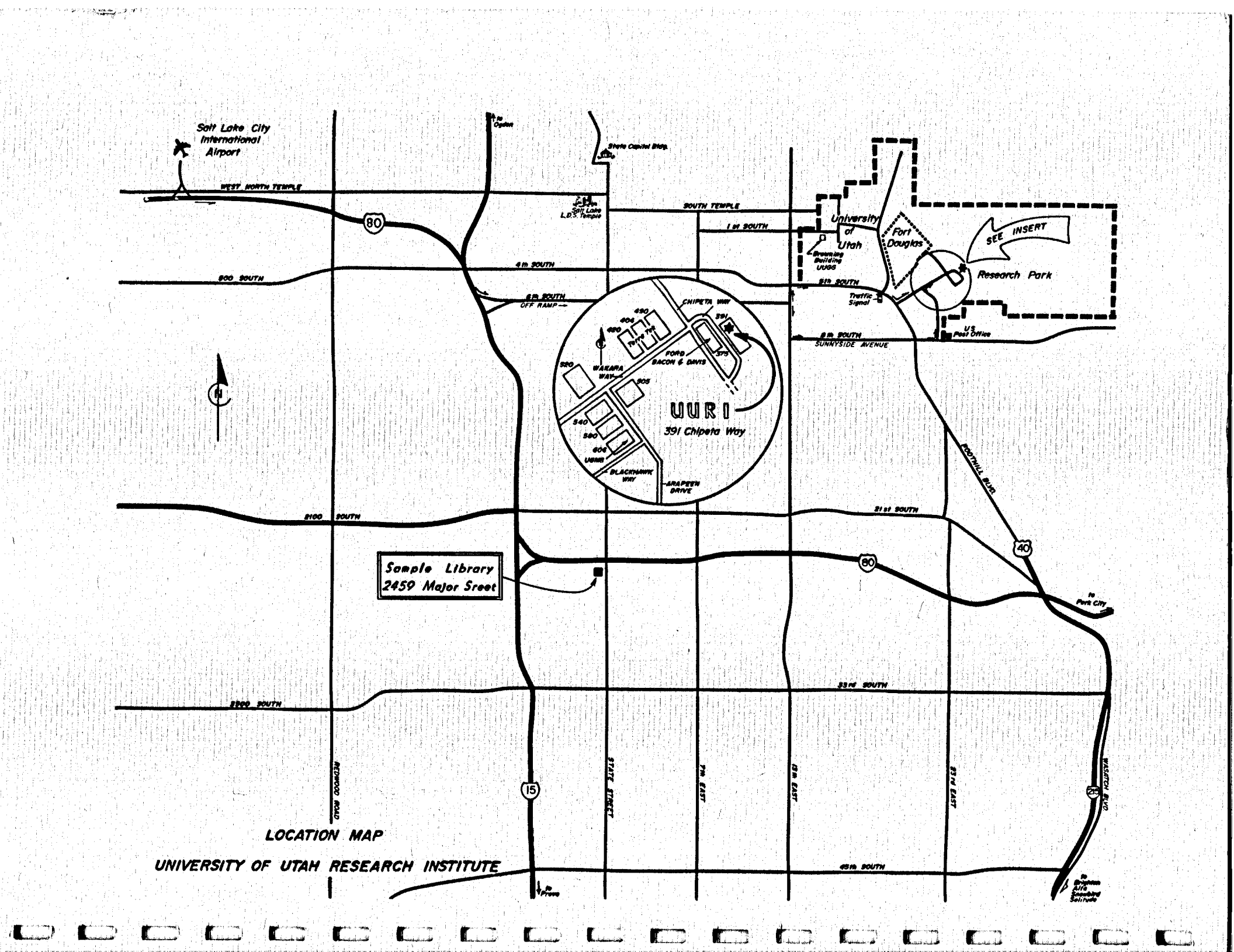

LOCATION MAP

UNIVERSITY OF UTAH RESEARCH INSTITUTE

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UURI

391 CHIPETA WAY, SUITE C
SALT LAKE CITY, UTAH 84108-1295
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March 30, 1990

Dear Colleague:

The Earth Science Laboratory of the University of Utah Research Institute has been involved in research in geothermal exploration and development for the past eleven years. Our work has resulted in the publication of nearly 500 reports, which are listed in this document. Over the years, we have collected drill chip and core samples from more than 180 drill holes in geothermal areas, and most of these samples are available to others for research, exploration and similar purposes. We hope that scientists and engineers involved in industrial geothermal development will find our technology transfer and service efforts helpful.

We maintain a commitment to be of assistance to the geothermal industry. Inquiries or comments regarding our work and its results are always welcome.

Sincerely,

Phillip M. Wright
Technical Vice President

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INTRODUCTION

The University of Utah Research Institute (UURI) is a self-supporting non-profit corporation wholly owned by the University of Utah. The Institute receives no direct financial support from either the University of Utah or the State of Utah. We conduct both public and proprietary scientific and educational work for governmental agencies, academic institutions, private industry, and individuals.

UURI is a highly flexible organization of about 20 professionals, 8 support personnel and 5 to 25 students. Most of the professionals are full-time scientists and engineers. We comprise four divisions: the Earth Science Laboratory (ESL), the Environmental Studies Laboratory (EVSL), the Center for Remote Sensing and Cartography (CRSC) and the Engineering Technology Laboratory (ETL).

UURI and the University of Utah maintain a close relationship. Dr. James J. Brophy, President of UURI, is the Vice President for Research at the University and Dr. Milton E. Wadsworth, Secretary of UURI, is Dean of the College of Mines and Earth Sciences. Our Broad of Trustees consists of five University vice presidents and four people from the private sector.

For the past eleven years, the Earth Science Laboratory of UURI has been involved in geothermal energy research on behalf of the U. S. Department of Energy. Our work predominately concerns the development of new exploration, reservoir definition, mapping and monitoring techniques for hydrothermal systems. This document presents a list of our publications in geothermal energy and related fields in the blue section. Selected publications of the University of Utah Department of Geology and Geophysics in geothermal energy are also included. In order to make this publications list more useful, we have included a subject index in the pink section. The 167,000 meters of drill chip samples and 37,000 meters of core in the Geothermal Sample Library are inventoried in the gold section.

Copies of our most of our reports are available through UURI at our reproduction cost. Many of these reports are also available through the National Technical Information Service. Most of the samples in the Geothermal Sample Library are available for public inspection, and in many cases, splits of these samples can be made available at nominal cost. More information on these topics is given below in the section entitled "How to Use This Document".

FACILITIES OF UURI

UURI has about 15,000 sq. ft. of laboratory and office space in Research Park, adjacent to the University of Utah campus (see Location Map, inside front cover). We also have about 6,000 sq. ft. of storage space for core and chip samples from geothermal areas.

Geochemical Laboratory

A geochemical laboratory designed especially for geothermal and mineral studies has been operational since 1977. The laboratory is equipped with an ARL Inductively Coupled Plasma Spectrometer (ICP), capable of analyzing 37 elements simultaneously, an Varian Atomic Absorption Spectrophotometer, 2 UV/Visible Spectrophotometers, Jerome Gold Film Mercury Detectors, an Orion Specific Ion Meter and electrodes, and complete sample preparation facilities. For study of fluid inclusions, the laboratory has a dedicated petrographic microscope equipped with heating and cooling stages and color TV monitor. In addition, an electron microprobe, a scanning electron microscope, and K-Ar and fission track age dating are available at the University of Utah.

X-Ray Diffraction Laboratory

Our x-ray diffraction laboratory is equipped with a Philips Model 3100 X-ray unit for the identification of primary and secondary minerals in rocks from geothermal systems.

Physical Properties Laboratory

UURI maintains laboratory facilities for the in-house determination of a variety of physical properties and associated chemical properties. Measurement capabilities include: electrical resistivity/induced polarization; cation exchange capacity; magnetic susceptibility; remanent magnetism, thermal conductivity, density and porosity.

Geophysical Electronics Laboratory

The Electronics Laboratory is well equipped for development of microprocessor-integrated geophysical instrumentation. Test, design, and prototype construction facilities are state-of-the-art. Recent projects include: 1) the redesign and modification of a state-of-the-art magnetotelluric recording system; 2) system integration of a portable (button-on) aeromagnetic data acquisition system which incorporates a radar altimeter and VHS recording of flight path and digital magnetic and altimeter data; and 3) instrumentation for remote monitoring of landslides.

Remote Sensing Laboratory

UURI has a variety of software and hardware for use in remote sensing application and research. A large portion of our software

is integrated into the image processing package called ELAS (Earth Resources Laboratory Application Software) designed and written by NASA's National Space Technology Laboratories, Earth Resources Laboratory. ELAS is currently one of the most powerful tools for the analysis of remotely sensed data. Its capabilities include the analysis of any digitally based remote sensing data collected from spaceborne, airborne or ground based sensors.

We currently operate ELAS from our in-house PRIME 2655 super minicomputer. Digitizing equipment includes a Tektronic 4954 digitizing tablet interfaced with a Tektronic 4014-1 graphics monitor. RGB color monitor equipment includes an Advanced Electronic Design (AED) 767 high-resolution display device. Hard copy is obtained from a Texas Instruments ink-jet plotter.

Backup and support to ELAS is provided by the micro-based ERDAS image processing system and geographic information system (GIS). ERDAS currently runs on an enhanced IBM PC/AT with 40 megabyte storage.

Computer

Computer facilities consist of a PRIME 2655 super mini-computer system with links to the University of Utah's Microvax II cluster computer and to the San Diego Supercomputer Center. The system includes a PRIME 2655 CPU with time-sharing capability and virtual memory, 4 M bytes of main memory, 615 M bytes of disk storage, a 9-track magnetic type drive, a 36-inch Zeta pen plotter, two line printers, 2 Tektronix 4014 graphics terminals with digitizing tablets, a DECwriter terminal and 15 CRT terminals. Three dial-in phone lines are available to users. The system is specifically oriented to scientific and engineering computation and to handling and interpreting geoscience data.

Geothermal Sample Library

The Geothermal Sample Library provides open-file accessibility and archival storage for both public domain and proprietary field and drill samples. At present, the Library contains over 550,000 feet (167,000 m) of drill chip samples and 121,000 feet (37,000 m) of core from more than 180 holes ranging from shallow thermal gradient holes to deep production or injection wells, mainly from geothermal areas of the western United States.

The sample library's functions are to archive samples from DOE projects and to distribute samples for authorized research and study. Chipboards have been prepared for most DOE-supported geothermal holes in order to facilitate study. Downhole geophysical and temperature logs from many geothermal wells are also archived at UURI. The Library has been used to advantage by geologists and researchers in preparation for new drilling within the represented areas, and for comparison with drill samples from their own project areas.

A current inventory of drill core and cuttings curated at the Library and a map summarizing the more important sample collection in the western United States are included in the Gold section of this document.

HOW TO USE THIS DOCUMENT

This document is divided into four sections, each with a different color. The white section gives introductory information, the pink section is a subject index for our publications, the blue section is the publications list and the gold section gives the inventory for the Geothermal Sample Library.

Publications

Publications in the blue section are listed by year and alphabetically by the first author within each year. Each publication is given a unique number designator (ND) which is a combination of the position of the publication in the yearly list and the year itself. For example, 10-86 is the tenth publication in the list for 1986. The subject index in the pink section uses the NDs to refer to reports in the blue section, where complete reference information on the publication can be found. Locating a publication on a certain topic is relatively easy using this system.

In our files at UURI, we refer to reports by sequential publication numbers and contract numbers that are assigned on the basis of year published, type of publication (technical report, journal publication, abstract, progress report, etc) and other factors. We do not file publications by the NDs used in our publications lists. Publications lists change as they grow, so the ND for a certain report may change from list to list. Inquiries about a certain report should use the complete reference as given in the publication list in the blue section, not the ND.

The majority of the publications listed in this document are public information. A few are not public information, and are marked PROPRIETARY. They are included herein for information and completeness.

Samples

Most of the samples stored in the Geothermal Sample Library can be inspected at the UURI facilities by prior arrangement. Some samples were donated to UURI on a proprietary or semi-proprietary basis, and are not available to the general public. Some samples donated by companies are available to federal researchers but not to industry representatives. UURI will be happy to answer inquiries about the availability of samples.

Splits can be made of some of the samples for shipment to investigators by following established procedures. The protocol for obtaining samples involves written request including a brief description of the work to be done on the samples, why it is important and the amount of sample needed. These requests are forwarded to the Idaho Operations Office of the U. S. Department of Energy for approval. Samples for non-destructive testing are

relatively easy to obtain in this way. Requests for samples for destructive testing should be accompanied by more thorough descriptions of the work and its justification. UURI asks that the results of work done by others on samples from our Library be made available to the public whenever possible.

UURI believes that the preservation of samples of drill chips and core is extremely important. Sampling of drill cuttings is still not done on a routine basis in geothermal drilling, and often samples are discarded after initial use, wasting an important source of data. UURI will provide free consultation on obtaining samples of drill cuttings at minimum expense that are adequate for exploration and other purposes. UURI also would be happy to have the option to store samples from geothermal drilling projects especially if the samples can be made available for research work.

UNIVERSITY OF UTAH RESEARCH INSTITUTE

EARTH SCIENCE LABORATORY

SUBJECT INDEX

FOR

PUBLICATION LIST

MARCH, 1990

UNIVERSITY OF UTAH RESEARCH INSTITUTE
EARTH SCIENCE LABORATORY
PUBLICATION LIST
MARCH 1989

Explanation

This publication list includes technical reports, progress reports, journal publications, and meeting abstracts completed by ESL/UURI mostly under Department of Energy funding. Selected geothermal publications by the Department of Geology and Geophysics, University of Utah, are also listed. Certain other geothermal or related project reports completed by ESL/UURI for other U. S. government agencies (e.g. U.S. Geological Survey, U.S. Bureau of Mines) or foreign agencies (e.g. United Nations) are also included.

Non-proprietary UURI reports may be obtained from UURI at reproduction and handling costs. When requesting information about a report, always give the complete reference as shown in this publication list. Reprints of journal publications are sometimes available upon request to the author. Many publications listed herein can also be obtained from the National Technical Information Service.

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Location Map of Drill Hole Samples in Sample Library

(MARCH, 1990)

March 1990

Area/Hole Name	Location		Footage	Driller
	CALIFORNIA			
COSO				
CGEH-1-E			Chips 111-640	
CGEH-1	Inyo Co.	Sec. 6 T22S R39E	Chips 0-4845	DOE
CGEH-1	Inyo Co.	Sec. 6 T22S R39E	Core 1704-1707 2219-2229 2295-3006 4058-4062	DOE
CGEH-1-A	Split of Chips from CGEH-1		Chips 50-4780	DOE
CGEH-1-B	Split of Chips from CGEH-1		Chips 50-4830	DOE
CGEH-1-C	Split of Chips from CGEH-1		Chips 50-5060	DOE
CGEH-1-D	Split of Chips from CGEH-1		Chips 50-510	DOE
Grad Hole #1	Inyo Co.	Sec. 6 T22S R39E	Chips 0-293	DOE
Grad Hole #2			0-278	
Grad Hole #3			0-300	
Grad Hole #4			0-246	
Grad Hole #5			0-296	
Grad Hole #6			0-343	

Area/Hole Name	Location		Footage	Driller
		CALIFORNIA cont.		
COSO				
Grad Hole #7			0-309	
Grad Hole #10			0-354	
Grad Hole #11			0-225	
Grad Hole #12			0-438	
Grad Hole #13			0-304	
Grad Hole #14			0-301	
Grad Hole #15			0-325	
Grad Hole #17			0-313	
BDSH-1	Inyo Co.	Sec. 6 T22S R39E	Core 11-1342	DOE
CGC 18-27	Inyo Co.		Core 306-2898	Cal Energy
CGC 74-2	Inyo Co.		Core 303-2990	Cal Energy
TCH 87-25	Inyo Co.		Core 315-2970	Cal Energy
TCH 86-30	Inyo Co.		Core 302-2786	Cal Energy
87-17	Inyo Co.		Core 304-2892	Cal Energy
TCH 57-18	Inyo Co.		Core 306-2825	Cal Energy

Area/Hole Name	Location		Footage	Driller
	CALIFORNIA cont.			
COSO				
6416	Inyo Co.		Core 315-2020	Cal Energy
G-7A	Inyo Co.	Sec. 24 T22S R38E	Chips 0-500	Grace Geothermal
G-37	Inyo Co.	Sec. 24 T22S R38E	Chips 0-500	Grace Geothermal
G-42	Inyo Co.	Sec. 24 T22S R38E	Chips 0-500	Grace Geothermal
15-17	Inyo Co.		Chips 0-8220	
63-18RD	Inyo Co.		Chips 0-4820	
16-A-8	Inyo Co.		Chips 0-3400	
73-19	Inyo Co.		Chips 760-6097	
41-8	Inyo Co.		Chips 0-3050	
24-20	Inyo Co.		Chips 460-3300	
63A-7	Inyo Co.		Chips 500-3250	
72-19	Inyo Co.		Chips 610-6550	
24C-20	Inyo Co.		Chips 500-6813	
24-8	Inyo Co.		Chips 480-2670	
23-19	Inyo Co.		Chips 500-6987	

Area/Hole Name	Location	Footage	Driller
	CALIFORNIA cont.		
COSO			
68A-20	Inyo Co.	Chips 490-7900	Cal Energy
71B-7	Inyo Co.	Chips 468-5560	Cal Energy
64-16	Inyo Co.	Chips 480-10,450	Cal Energy
41A-8	Inyo Co.	Chips 50-6500	Cal Energy
31-8	Inyo Co.	Chips 3653-6180	Cal Energy
34-9	Inyo Co.	Chips 473-7360	Cal Energy
78-7	Inyo Co.	Chips 475-6070	Cal Energy
72-19	Inyo Co.	Chips 0-6550 (not continuous)	Cal Energy
16A-8RD-1	Inyo Co.	Chips 1130-2880 (not continuous)	Cal Energy
24-20	Inyo Co.	Chips 460-5070	
EAST MESA			
83-7		Chips 3377-5694	
RIG		Chips 2500-5750	

Area/Hole Name	Location		Footage	Driller
	CALIFORNIA cont.			
GEYSERS, THE				
#1 RD1			Chips 3527-7148	Aminoil
#1 B&R Unit #1 RD			Chips 6180-9200	Aminoil
45-A-12 (Ottoboni)			Chips 60-4300	Unocal
52-32 (Fransdden #2)			Chips 0-3600	Unocal
68A-21	Lake Co.	Sec. 21 T11N R8W	Chips 820-5000	Occidental
B3(11-1A)RD2			Chips 3020-7016	Shell
B3 OH			150-3000	Shell
CA-94 9M-14/72-1	Lake Co.	Sec. 3 T10N R8W	Chips 160-3000	Shell
CA-1862/57-27-2	Lake Co.	Sec. 27 T11N R8W	Chips 0-5468	Aminoil
CA-5637/74-211	Lake Co.	Sec. 21 T11N R8W	Chips 300-5300	Occidental
D-7 24A-2	Sonoma Co.	Sec. 2 T10N R8W	Chips 2010-5000	Shell
DX-19			Chips 40-9420	Unocal
DX-24			Chips 70-6800	Unocal
E-9/38-1	Lake Co.	Sec. 1 T10N R8W	Chips 0-3400	Shell
F-8/43-3	Sonoma Co.	Sec. 3 T10W R8W	Chips 30-3000	Shell

Area/Hole Name	Location		Footage	Driller
		CALIFORNIA cont.		
GEYSERS, THE				
G-11 33-4	Sonoma Co.	Sec. 4 T10N R8W	Chips 86-3000	Shell
Q-13/CA-949/53-2	Lake Co.	Sec. 2 T10N R8W	Chips 100-3000	Shell
Barrows #1			Chips 85-7480	Aminoil
Bianchi #2			Chips 90-10,005	
Livermore 1	Lake Co.	Sec. 1 T10N R6W	Chips 0-8760	AMAX
Geothermal Two-2	Lake Co.	Sec. 3 T10N R8W	Chips 100-3000	Shell
Geothermal 1-2	Lake Co.	Sec. 1 T10N R8W	Chips 0-5300	Shell
McKinley #1			Chips 118-3840	Aminoil
#1 RD1			Chips 118-8001	Aminoil
Ottoboni Federal 73-12			Chips 50-3500	
Prati State #1			Chips 2900-8200 (2120-8900)	
MEDICINE LAKE				
#18-34	Siskiyou Co.	Sec. 34 T43N R3E	Core 519-3500	Geysers Geothermal
#27-27	Siskiyou Co.	Sec. 27 T43N R4E	Core 466-3000	Geysers Geothermal
#62-21	Siskiyou Co.	Sec. 21 T43N R3E	Core 487-2139	Geysers Geothermal

Area/Hole Name	Location		Footage		Driller
		CALIFORNIA cont.			
MEDICINE LAKE					
#86-23	Siskiyou Co.	Sec. 23 T43N R2E	Core	417-2939	Geysers Geothermal
36-28	Siskiyou Co.	Sec. 28 T44N R3E	Core	353-2146	Geysers Geothermal
57-13	Siskiyou Co.	Sec. 13 T44N R3E	Core	409-2994.5	Geysers Geothermal
68-16	Siskiyou Co.	Sec. 16 T44N R3E	Core	417-2939	Geysers Geothermal
52-4	Siskiyou Co.	Sec. 4 T42N R3E	Core	367-4000	Geysers Geothermal
88-12	Siskiyou Co.	Sec. 12 T42N R1W	Core	290-3940	Geysers Geothermal
SALTON SEA					
WELL A	Imperial County	Sec. 5 T12S R12E	Chips	100-5400	UNOCAL
WELL B	Imperial County	Sec. 5 T12S R12E	Chips	100-4240	UNOCAL
WELL C	Imperial County	Sec. 5 T12S R12E	Chips	130-3900	UNOCAL
RRGP#5	Cassia Co.	Sec. 22 T15S R26E	Core	Variable	DOE
RRGI#6	Cassia Co.	Sec. 25 T15S R26E	Core	Variable	DOE
RRGI#7	Cassia Co.	Sec. 25 T16S R26E	Core	Variable	DOE
WENDEL					
WEN-W-1	Lassen Co	Sec 13 T29N R15W	Chips	0-5788'	GEO Prod

Area/Hole Name	Location		Footage	Driller
		CALIFORNIA cont.		
WENDEL				
WEN-2	Lassen Co		Chips 327-4660'	GEO Prod
WEN-3	Lassen Co		Chips 275-6430'	GEO Prod
		COLORADO		
ALAMOSA				
#1	Alamosa Co		Chips 0-7125'	Energy Services
PAGOSA SPRINGS				
PS-3	Archuleta Co		Chips 0-240'	Chaffee Geothermal
PS-4	Archuleta Co		Chips 0-300'	Chaffee Geothermal
PS-5	Archuleta Co		Chips 0-200'	Chaffee Geothermal
		IDAHO		
MCG #1	Madison Co	Sec 31 T6N R40E	Chips 200-3140'	Energy Services
INEL	Butte Co	Sec 1 T3N R29E	Chips 0-10,324'	DOE
RAFT RIVER				
INEL	Butte Co	Sec 1 T3N R29E	Core Variable	DOE
RRGE#1	Cassia Co	Sec 23 T15S R26E	Core Variable	DOE

Area/Hole Name	Location		Footage	Driller
		IDAHO cont.		
RAFT RIVER				
RRGE#2	Cassia Co	Sec 23 T15S R26E	Core Variable	DOE
RRGE#3	Cassia Co	Sec 25 T15S R26E	Core Variable	DOE
RRGE#3C	Cassia Co	Sec 25 T15S R26E	Core Variable	DOE
RRGP#4(Leg B)	Cassia Co	Sec 25 T15S R26E	Core Variable	DOE
RRGP#5	Cassia Co	Sec 22 T15S R26E	Core Variable	DOE
RRGI#6	Cassia Co	Sec 25 T15S R26E	Core Variable	DOE
RRGI#7	Cassia Co	Sec 25 T16S R26E	Core Variable	DOE
		NEVADA		
BALTAZOR				
1500-1	Humboldt Co.	Sec. 13 T46N R28E	Chips 0-1581	Earth Power
1500-7	Humboldt Co.	Sec. 14 T46N R28E	Chips 0-1487	Earth Power
2	Humboldt Co.	Sec. 3 T46N R28E	Chips 0-170	Earth Power
Howard #189	Humboldt Co.	Sec. 24 T44N R31E	Chips 0-200	Earth Power
117	Humboldt Co.	Sec. 16 T46N R28E	Chips 0-220	Earth Power

Area/Hole Name	Location		Footage	Driller
		NEVADA cont.		
BALTAZOR				
122	Humboldt Co.	Sec. 25 T46N R28E	Chips 0-280	Earth Power
143-A	Humboldt Co.	Sec. 10 T45N R27E	Chips 0-200	Earth Power
189	Humboldt Co.	Sec. 24 T44N R31E	Chips 0-200	Earth Power
213	Humboldt Co.	Sec. 1 T46N R28E	Chips 0-260	Earth Power
215	Humboldt Co.	Sec. 14 T46N R28E	Chips 0-100	Earth Power
101-5	Humboldt Co.	Sec. 7 T47N R30E	Chips 0-100	Earth Power
101-6	Humboldt Co.	Sec. 36 T42N R29E	Chips 0-280	Earth Power
101-7	Humboldt Co.	Sec. 34 T46N R28E	Chips 0-300	Earth Power
101-12	Humboldt Co.	Sec. 5 T47N R30E	Chips 0-270	Earth Power
101-99	Humboldt Co.	Sec. 16 T47N R30E	Chips 0-300	Earth Power
45-14	Humboldt Co.		Chips 20-2345	Earth Power
BEOWAWE				
B-2-79	Eureka Co.	Sec. 5 T31N R48E	Chips 0-500	Chevron
B-7-79	Lander Co.	Sec. 18 T31N R48E	Chips 0-500	Chevron
B-9-79	Eureka Co.	Sec. 9 T31N R48E	Chips 0-500	Chevron

Area/Hole Name	Location		Footage	Driller
		NEVADA cont.		
BEOWAWE				
B-11-79	Lander Co.	Sec. 18 T31N R48E	Chips 0-500	Chevron
B-14-79	Lander Co.	Sec. 13 T31N R47E	Chips 0-500	Chevron
B-19-79	Lander Co.	Sec. 18 T31N R48E	Chips 0-500	Chevron
B-20-79	Lander Co.	Sec. 18 T31N R48E	Chips 0-340	Chevron
B-22-79	Lander Co.	Sec. 18 T31N R48E	Chips 0-500	Chevron
B-24-79	Lander Co.	Sec. 18 T31N R48E	Chips 0-450	Chevron
B-25-79	Lander Co.	Sec. 18 T31N R48E	Chips 0-430	Chevron
B-27-79	Lander Co.	Sec. 18 T31N R48E	Chips 0-240	Chevron
B-29-79	Eureka Co.	Sec. 13 T31N R47E	Chips 0-460	Chevron
B-31-79	Lander Co.	Sec. 18 T31N R48E	Chips 0-450	Chevron
B-32-79	Lander Co.	Sec. 18 T31N R48E	Chips 0-500	Chevron
B-33-17	Humboldt Co.		Chips 60-870	
B-33-79	Eureka Co.	Sec. 12 T31N R48E	Chips 0-200	Chevron
B-35-79	Eureka Co.	Sec. 16 T31N R48E	Chips 0-500	Chevron
B-37-79	Lander Co.	Sec. 18 T31N R48E	Chips 0-290	Chevron

Area/Hole Name	Location		Footage	Driller
		NEVADA cont.		
BEOWAWE				
B-38-79	Lander Co.	Sec. 18 T31N R48E	Chips 0-500	Chevron
B-39-79	Eureka Co.	Sec. 17 T31N R48E	Chips 0-420	Chevron
B-46-79	Eureka Co.	Sec. 13 T31N R48E	Chips 0-160	Chevron
B-47-79	Eureka Co.	Sec. 20 T31N R48E	Chips 0-390	Chevron
B-48-79	Eureka Co.	Sec. 21 T31N R48E	Chips 0-490	Chevron
B-49-79	Eureka Co.	Sec. 24 T31N R48E	Chips 0-500	Chevron
B-50-79	Lander Co.	Sec. 18 T31N R48E	Chips 0-330	Chevron
B-51-79	Lander Co.	Sec. 19 T31N R48E	Chips 0-430	Chevron
B-51-79	Lander Co.	Sec. 19 T31N R48E	Chips 0-140	Chevron
B-54-79	Eureka Co.	Sec. 24 T31N R48E	Chips 0-450	Chevron
Ginn 1-13	Lander Co.	Sec. 13 T31N R47E	Chips 0-6350	Chevron
Rossi 21-9	Lander Co.	Sec. 19 T31N R48E	Chips 0-5686	Chevron
USL-GBP #2	Lander Co.	Sec. 17 T31N R48E	Chips 0-500	Getty Oil
USL-GBP #3	Lander Co.	T31N R48E	Chips 0-500	Getty Oil
USL-GBP #5	Lander Co.	Sec. 16 T31N R48E	Chips 0-500	Getty Oil

Area/Hole Name	Location		Footage	Driller
		NEVADA cont.		
BEOWAWE				
USL-GBP #6	Lander Co.	Sec. 20 T31N R48E	Chips 0-500	Getty Oil
USL-GBP #7	Lander Co.	Sec. 22 T31N R48E	Chips 0-500	Getty Oil
B-39-79	Eureka Co.	Sec. 17 T31N R48E	Chips 0-420	Chevron
USL-GBP #9	Lander Co.	Sec. 22 T31N R48E	Chips 0-480	Getty Oil
USL-GBP #15	Lander Co.	Sec. 20 T31N R48E	Chips 0-500	Getty Oil
USL-GBP #17	Lander Co.	Sec. 16 T31N R48E	Chips 0-500	Getty Oil
Collins 76-17	Eureka Co.	Sec. 17 T13N R48E	Chips 1200-9000	Getty Oil
GBP #10	Eureka Co.	Sec. 22 T31N R48E	Chips 0-500	Getty Oil
GBP #12	Eureka Co.	Sec. 14 T31N R48E	Chips 0-440	Getty Oil
GBP #13	Eureka Co.	Sec. 14 T31N R48E	Chips 0-460	Getty Oil
GBP #14	Eureka Co.	Sec. 11 T31N R48E	Chips 0-300	Getty Oil
GBP #16	Eureka Co.	Sec. 20 T31N R48E	Chips 0-440	Getty Oil
#85-18	Lander Co.	Sec. 18 T31N R43E	Chips 0-5400	Getty Oil
COLADO				
8-34	Pershing Co.	Sec. 34 T28N R32E	Chips 0-500	Getty Oil

Area/Hole Name	Location		Footage	Driller
		NEVADA cont.		
COLADO				
1-12	Pershing Co.	Sec. 12 T27N R32E	Chips 0-500	Getty Oil
9-34	Pershing Co.	Sec. 34 T28N R32E	Chips 0-500	Getty Oil
3-10	Pershing Co.	Sec. 10 T27N R32E	Chips 0-500	Getty Oil
4-16	Pershing Co.	Sec. 16 T27N R32E	Chips 0-500	Getty Oil
12-26	Pershing Co.	Sec. 26 T28N R32E	Chips 0-300	Getty Oil
2-2	Pershing Co.	Sec. 2 T27N R32E	Chips 0-500	Getty Oil
15-21	Pershing Co.	Sec. 21 T28N R32E	Chips 0-500	Getty Oil
10-34	Pershing Co.	Sec. 34 T28N R32E	Chips 0-500	Getty Oil
6-6	Pershing Co.	Sec. 6 T27N R32E	Chips 0-500	Getty Oil
16-22	Pershing Co.	Sec. 22 T28N R31E	Chips 0-500	Getty Oil
5-8	Pershing Co.	Sec. 8 T27W R32E	Chips 0-500	Getty Oil
17-24	Pershing Co.	Sec. 24 T28N R32E	Chips 0-500	Getty Oil
7-4	Pershing Co.	Sec. 4 T27N R32E	Chips 0-500	Getty Oil
18-24	Pershing Co.	Sec. 24 T28N R32E	Chips 0-500	Getty Oil
13-26	Pershing Co.	Sec. 26 T28N R32E	Chips 0-500	Getty Oil

Area/Hole Name	Location		Footage	Driller
		NEVADA cont.		
COLADO				
14-22	Pershing Co.	Sec. 22 T28N R32E	Chips 0-500	Getty Oil
11-36	Pershing Co.	Sec. 36 T28N R32E	Chips 0-500	Getty Oil
1GH-1	Pershing Co.	Sec. 26 T28N R32E	Chips 0-1500	Getty Oil
1GH-2	Pershing Co.	Sec. 10 T27N R32E	Chips 0-1160	Getty Oil
USL 44X-10	Pershing Co.	Sec. 10 T27N R32E	Chips 1215-7950	Getty Oil
Campbell"E"#2	Pershing Co.	Sec. 15 T31N R33E	Chips 0-8061	Phillips
DESERT PEAK				
No 8-23-1	Churchill Co	Sec 23 T22N R27E	Chips 0-9615	Phillips
DIXIE FEDERAL				
45-14 RD	Churchill Co	Sec 14 T23N R35E	Chips 3640-4550	Chevron
45-14	Churchill Co	Sec 14 T23N R35E	Chips 0-9020	Thermal Power
66-21	Churchill Co	Sec 21 T22N R36E	Chips 0-9780	Thermal Power
DIXIE VALLEY				
CORRAL	Pershing/Churchill Co		Chips 0-500	
DD-9	Pershing/Churchill Co		Chips 20-1440	
H-1	Pershing/Churchill Co		Chips 0-1500	

Area/Hole Name	Location		Footage	Driller
	NEVADA cont.			
DIXIE VALLEY				
H-2	Pershing/Churchill Co		Chips 0-1490	
SR-2	Pershing/Churchill Co		Chips 0-490	
SR1-A/2A	Pershing/Churchill Co		Chips 0-1420	
SR-4	Churchill Co	Sec 22 T23N R38E	Chips 0-1500	Southland Royalty
SR-3	Churchill Co	Sec 32 T25N R37E	Chips 0-1500	Southland Royalty
FISH LAKE				
88-11A	Nye Co		Chips 0-8580	
88-11	Nye Co		Chips 0-8120	AMAX
HOLLAND RANCH				
#1-15-G	Pershing Co		Chips 120-5750	SUNEDCO
1-2-FR	Washoe Co		Chips 0-5210	SUNEDCO
1-2-FR	Washoe Co		Chips 0-4400	SUNEDCO
USA 11-36	Pershing Co		Chips 90-7000	SUNEDCO
LEACH HOT SPRING				
SUNEDCO 11-36	Pershing Co.		Chips 0-8565	AMINOIL

Area/Hole Name	Location		Footage	Driller
		NEVADA cont.		
MCCOY				
66-8	Churchill Co.	Sec. 8 T22N R40E	Chips 0-2500	AMAX
14-7	Churchill Co.	Sec. 7 T23N R40E	Chips 0-940	AMAX
26-8	Churchill Co.		Chips 0-2094	AMAX
26-8	Churchill Co.		Core 1001-2094	AMAX
864-25-9	Churchill Co.	Sec. 9 T22N R40E	Chips 0-2000	AMAX
864-38-9	Churchill Co.	Sec. 9 T23N R40E	Chips 0-2000	AMAX
864	Churchill/Lander Co.			AMAX
MCGEE				
2	Humboldt Co.	Sec. 26 T45N R27E	Chips 0-1680	Earth Power
101-9	Humboldt Co.	Sec. 2 T44N R27E	Chips 0-300	Earth Power
145	Humboldt Co.	Sec. 1 T45N R27E	Chips 0-240	Earth Power
150	Humboldt Co.	Sec. 27 T45N R27E	Chips 0-290	Earth Power
155	Humboldt Co.	Sec. 29 T45N R27E	Chips 0-280	Earth Power
PIROUETTE MOUNTAINS				
66-16	Churchill Co.	Sec. 16 T19N R34E	Chips 0-6700	Rosewood-

Area/Hole Name	Location		Footage	Driller
		NEVADA cont.		
PIROUETTE MOUNTAINS				
72-23	Churchill Co.	Sec. 23 T18N R33E	Chips 1000-7460	Rosewood
Fed 52-14	Churchill Co.	Sec. 14 T18N R33E	Chips 500-8246	Rosewood
SAN EMIDIO				
Kosmos 1-8			Chips 0-4013	Chevron
Kosmos 1-9	Washoe Co.	Sec. 9 T29N R23E	Chips 0-5356	Chevron
44-5	Churchill Co.	Sec. 5 T19N R28E	Chips 0-5069	Chevron
1-29	Churchill Co.	Sec. 29 T20N R28E	Chips 0-4306	Chevron
DeBraga #2	Churchill Co.	Sec. 6 T19N R31E	Chips 0-6700	UNOCAL
SODA LAKE				
11-33	Churchill Co.	Sec. 33 T20N R28E	Chips 0-2000	Chevron
63-33	Churchill Co.	Sec. 33 T20N R28E	Chips 0-2000	Chevron
STEAMBOAT				
5B-23-5	Washoe Co.		Chips 2200-2400	
5B-1RD-1	Washoe Co.		Chips 0-2806 (Not continous)	
5B-83-A6	Washoe Co.		Chips 0-2681 (Not continous)	

Area/Hole Name	Location		Footage	Driller
		NEVADA cont.		
STILLWATER				
Weishauft 1	Churchill Co.	Sec. 1 T19N R30E	Chips 0-10,000	UNOCAL
TUSCARORA				
AMAX 51-9	Elko Co.	Sec. 5 T41N R52E	Chips 0-3120	AMAX
57-8	Elko Co.		Core 209-1709	AMAX
66-5	Elko Co.	Sec. 5 T41N R52E	Chips 0-4350	AMAX
860-33	Elko Co.	Sec. 3 T41N R52E	Chips 0-770	AMAX
860-41	Elko Co.	Sec. 10 T41N R52E	Chips 0-1000	AMAX
860-42	Elko Co.	Sec. 5 T41N R52E	Chips 0-1740	AMAX
860-68-8	Elko Co.		Chips 0-2020	AMAX
860-81-7	Elko Co.		Chips 0-2010	AMAX
57-8A	Elko Co.		Chips 0-80	AMAX
AMAX 52-9	Elko Co.	Sec. 5 T41N R52E	Chips 0-3120	AMAX
860-32	Elko Co.	Sec. 6 T41N R52E	Chips 0-1020	AMAX
860-34	Elko Co.	Sec. 14 T41N R52E	Chips 0-1040	AMAX
860-36	Elko Co.	Sec. 29 T42N R52E	Chips 0-300	AMAX

Area/Hole Name	Location		Footage	Driller
		NEVADA cont.		
TUSCARORA				
860-43	Elko Co.	Sec. 35 T41N R52E	Chips 0-1040	AMAX
57-8A	Elko Co.		Core 0-211	AMAX
		NEW MEXICO		
BACA				
5A	Sandoval Co.	Sec. 14 T19N R3E	Chips 100-5500	UNOCAL
5	Sandoval Co.	Sec. 13 T19N R3E	Chips 100-2800	UNOCAL
17RD 1	Sandoval Co.	Sec. 12 T19N R3E	Chips 3240-6254	UNOCAL
19	Sandoval Co.	Sec. 11 T19N R3E	Chips 60-5600	UNOCAL
20	Sandoval Co.	Sec. 12 T19N R3E	Chips 87-6860	UNOCAL
20RD 1	Sandoval Co.	Sec. 12 T19N R3E	Chips 2580-6374	UNOCAL
21	Sandoval Co.	Sec. 12 T19N R3E	Chips 40-2842	UNOCAL
21	Sandoval Co.	Sec. 12 T19N R3E	Chips 90-5980	UNOCAL
22RD 1	Sandoval Co.	Sec. 12 T19N R3E	Chips 2840-6485	UNOCAL
22RD 2	Sandoval Co.	Sec. 12 T19N R3E	Chips 2760-6000	UNOCAL
22RD 3	Sandoval Co.	Sec. 12 T19N R3E	Chips 2660-8800	UNOCAL

Area/Hole Name	Location		Footage	Driller
		NEW MEXICO cont.		
BACA				
23	Sandoval Co.	Sec. 12 T19N R3E	Chips 40-5780	UNOCAL
		OREGON		
N. CENTRAL CASCADES				
CTGH-1	Clackamas Co.	Sec. 28 T8S R8E	Chips 0-527	Thermal Power
CTGH-1	Clackamas Co.	Sec. 28 T8S R8E	Core 527-4800	Thermal Power
1	Linn Co.	Sec. 32 T13S R7E	Chips 0-1837	Southland Royalty
2	Linn Co.	Sec. 9 T12S R7E	Chips 0-1965	Southland Royalty
3	Clackamas Co.	Sec. 5 T7S R8E	Chips 0-960	Southland Royalty
4	Clackamas Co.	Sec. 10 T7S R8E	Chips 0-1160	Southland Royalty
5	Clackamas Co.	Sec. 6 T8S R8E	Chips 0-730	Southland Royalty
6	Clackamas Co.	Sec. 6 T8S R8E	Chips 0-1510	Southland Royalty
NEWBERRY				
N-1	Deshutes Co.	Sec. 25 T22S R12E	Core 487-4000	Geo Newberry
N-3	Deshutes Co.	Sec. 24 T20S R12E	Core 453-4002	Geo Newberry

Area/Hole Name	Location		Footage	Driller
		OREGON cont.		
OLD MAID FLAT				
Fenix & Scission 7A	Clackamas Co.	Sec. 15 T2S R8E	Chips 0-6018	Fenix & Scission
Fenix Scission 7A-B	Clackamas Co.		Chips 140-6018	Fenix & Scission
ORE-IDA				
1	Malheur Co.	Sec. 3 T18S R47E	Chips 0-10,054	Ore-Ida Foods
1	Malheur Co.	Sec. 3 T18S R47E	Core Variable	Ore-Ida Foods
#1 SET 1B	Malheur Co.	Sec. 3 T18S R47E	Chips 0-10,054	Ore-Ida Foods
#1 SET #2	Malheur Co.	Sec. 3 T18S R47E	Chips 30-10,054	Ore-Ida Foods
		TEXAS		
LACKLAND AFB				
Lackland-1	Bexer Co.		Chips 0-4130	UURI
		UTAH		
COVE FORT				
Black Rock		Sec. 18 T24S R11W	Core 19.0-204.7	
5-79/2204	Beaver Co.	Sec. 6 T30S R9W	Chips 0-500	Hunt Energy
5-27/2208	Beaver Co.	Sec. 3 T30S R9W	Chips 0-500	Hunt Energy

Area/Hole Name	Location		Footage	Driller
		UTAH cont.		
COVE FORT				
5-79/2210	Beaver Co.	Sec. 7 T30S R9W	Chips 0-500	Hunt Energy
5-79/2214	Beaver Co.	Sec. 14 T30S R9W	Chips 0-500	Hunt Energy
5-79/2218	Beaver Co.	Sec. 19 T30S R9W	Chips 0-490	Hunt Energy
5-79/2219	Beaver Co.	Sec. 21 T30S R9W	Chips 0-500	Hunt Energy
14-80/2230	Beaver Co.	Sec. 14 T30S R9W	Chips 0-500	Hunt Energy
14-80/2231	Beaver Co.	Sec. 23 T30S R9W	Chips 0-500	Hunt Energy
14-80/2233	Beaver Co.	Sec. 27 T30S R9W	Chips 0-500	Hunt Energy
14-80/2235	Beaver Co.	Sec. 34 T30S R9W	Chips 0-500	Hunt Energy
14-80/2237	Beaver Co.	Sec. 33 T30S R9W	Chips 0-500	Hunt Energy
14-80/224	Beaver Co.	Sec. 32 T30S R9W	Chips 0-500	Hunt Energy
14-80/2243	Beaver Co.	Sec. 29 T30S R9W	Chips 0-260	Hunt Energy
14-80/2243A	Beaver Co.		Chips 510-1200	Hunt Energy
CFSU 14-29	Millard Co.	Sec. 29 T25S R6W	Chips 0-2620	UNOCAL
CFSU 31-33	Millard Co.	Sec. 33 T25S R6W	Chips 0-5220	UNOCAL
Union 42-7	Beaver Co.	Sec. 7 T26S R6W	Chips 0-7730	UNOCAL

Area/Hole Name	Location		Footage	Driller
		UTAH cont.		
COVE FORT				
Forminco #1	Millard Co.	Sec. 29 T25S R6W	Chips 0-1051	UNOCAL
Forminco A	Millard Co.		Chips 0-300	UNOCAL
Forminco B	Millard Co.		Chips 0-110	UNOCAL
Forminco C	Millard Co.		Chips 0-300	UNOCAL
Forminco D	Millard Co.		Chips 0-90	UNOCAL
Forminco E	Millard Co.		Chips 0-300	UNOCAL
Forminco F	Millard Co.		Chips 150-255	UNOCAL
Forminco G	Millard Co.		Chips 0-300	UNOCAL
Forminco H	Millard Co.		Chips 0-300	UNOCAL
Forminco I	Millard Co.		Chips 0-245	UNOCAL
Forminco J	Millard Co.		Chips 0-300	UNOCAL
Forminco K	Millard Co.		Chips 0-250	UNOCAL
Forminco L	Millard Co.		Chips 0-250	UNOCAL
Forminco M	Millard Co.		Chips 0-250	UNOCAL
Forminco N	Millard Co.		Chips 0-120	UNOCAL

Area/Hole Name	Location		Footage	Driller
		UTAH cont.		
COVE FORT				
Forminco O	Millard Co.		Chips 0-250	UNOCAL
Forminco #1	Millard Co.		Chips 0-250	UNOCAL
Forminco #2	Millard Co.		Chips 0-250	UNOCAL
Forminco #3	Millard Co.		Chips 0-230	UNOCAL
Forminco #4	Millard Co.		Chips 0-250	UNOCAL
Forminco #5	Millard Co.		Chips 0-180	UNOCAL
Indian Crk #8			Core 105-491.5	
CRYSTAL SPRINGS				
A-W	Box Elder Co.		Chips 70-230	
CMGH-A	Box Elder Co.	Sec. 29 T11N R2W	Chips 0-275	UGMS
CW	Box Elder Co.		Chips 150-280	UGMS
E	Box Elder Co.		Chips 40-200	UGMS
D-Davis#1			Chips 0-235	UGMS
F	Box Elder Co.		Chips 0-150	UGMS
GSLM/GH-A	Box Elder Co.	Sec. 6 T6N R3W	Chips 0-280	UGMS

Area/Hole Name	Location		Footage	Driller
		UTAH cont.		
CRYSTAL SPRINGS				
UT/GH-B	Box Elder Co.	Sec. 14 T7N R23W	Chips 0-90	UGMS
UDY/GH-A	Box Elder Co.	Sec. 23 T13N R3W	Chips 0-130	UGMS
UDY/GH-B	Box Elder Co.	Sec. 23 T13N R3W	Chips 0-290	UGMS
HILL AIR FORCE BASE				
1	Davis Co.		Chips 0-1220	Univ of Utah
2	Davis Co.		Chips 0-3260	Univ of Utah
MONROE HOT SPRINGS				
Monroe	Sevier Co.		Core 41.0-203.0	
Monroe 2	Sevier Co.		Core 22.0-205.3	
Monroe 3	Sevier Co.		Core 50-252.0	
Monroe M4	Sevier Co.		Core 20-260	
Monroe 6	Sevier Co.		Core 15-250.3	
ROOSEVELT				
GPC-6	Beaver Co.	Sec. 25 T27S R10W	Chips 0-300	Geoth Power
GPC-7	Beaver Co.	Sec. 13 T27S R9W	Chips 0-300	Geoth Power

Area/Hole Name	Location		Footage	Driller
		UTAH cont.		
ROOSEVELT				
GPC-8	Beaver Co.	Sec. 25 T26S R9W	Chips 0-360	Geoth Power
GPC-9	Beaver Co.	Sec. 12 T26S R8W	Chips 0-290	Geoth Power
GPC-10	Beaver Co.	Sec. 6 T26S R8W	Chips 0-196	Geoth Power
GPC-11	Beaver Co.	Sec. 17 T26S R8W	Chips 0-110	Geoth Power
GPC-12	Beaver Co.	T26S R7W	Chips 0-260	Geoth Power
Getty 52-21	Beaver Co.	Sec. 21 T27S R9W	Chips 0-7500	Getty Oil
Getty 52-21	Beaver Co.	Sec. 21 T27S R9W	Core Variable	Getty Oil
TPC 72-16	Beaver Co.	Sec. 16 T27S R9W	Chips 0-1244	Thermal Power
TPC-72-16A	Beaver Co.		Chips 85-1245	Thermal Power
GPC-1	Beaver Co.	Sec. 1 T27S R10W	Chips 0-400	Geoth Power
GPC-2	Beaver Co.	Sec. 6 T27S R9W	Chips 0-300	Geoth Power
GPC-3	Beaver Co.	Sec. 4 T27S R9W	Chips 0-300	Geoth Power
GPC-4	Beaver Co.	Sec. 33 T27S R9W	Chips 0-300	Geoth Power
GPC-5	Beaver Co.	Sec. 34 T27S R9W	Chips 0-180	Geoth Power
GPC-13	Beaver Co.	Sec. 22 T27S	Chips 0-240	Geoth Power

Area/Hole Name	Location		Footage	Driller
		UTAH cont.		
ROOSEVELT				
GPC-14	Beaver Co.	Sec. 18 T27S R9W	Chips 0-540	Geoth Power
GPC-15	Beaver Co.	Sec. 18 T27S R9W	Chips 0-1870	Geoth Power
GPC-18	Beaver Co.	T27S R7W	Chips 0-90	Geoth Power
TPC-14-2	Beaver Co.	Sec. 2 T26S R9W	Chips 0-6100	Thermal Power
Cactus 520-1	Beaver Co.	Sec. 3 T27S R13W	Core 0-2975	AMAX
Cactus 520-2	Beaver Co.	Sec. 10 T27S R13W	Core 0-2454	AMAX
Cactus 520-3	Beaver Co.	Sec. 3 T27S R13W	Core 0-2777	AMAX
Cactus 520-4	Beaver Co.	Sec. 4 T27S R13W	Core 0-875	AMAX
Diamond #1		Sec. 34 T26S R9W	Core 10.8-201.8	
Diamond #1A		Sec. 3 T27S R9W	Core 20-217	
Diamond #1B		Sec. 4 T27S R9W	Core 133-231	
Ryan Springs		Sec. 4 T27S R8W	Core 215-331	
UT State 24-36	Beaver Co.		Chips 0-5600	Thermal Power
KGRA 9-1	Beaver Co.	Sec. 9 T27S R9W	Chips 0-6883	Phillips
HF1	Beaver Co.	Sec. 8 T27S R8W	Core 101.7-503.9	

Area/Hole Name	Location		Footage	Driller
		UTAH cont.		
ROOSEVELT				
HF3	Beaver Co.	Sec. 25 T26S R9W	Core 29.0-489.3	
HF3b	Beaver Co.	Sec. 2 T24S R9W	Core 17.4-498.3	
TG 0	Beaver Co.	Sec. 16 T26S R9W	Chips 15-245	Univ of Utah
TG 1	Beaver Co.	Sec. 15 T26S R9W	Chips 25-205	Univ of Utah
TG 2	Beaver Co.	Sec. 5 T26S R9W	Chips 0-232	Univ of Utah
TG 3	Beaver Co.	Sec. 19 T26S R9W	Chips 10-325	Univ of Utah
TG 5	Beaver Co.	Sec. 14 T26S R9W	Chips 15-170 & Core	Univ of Utah
TG 6	Beaver Co.	Sec. 7 T26S R9W	Core 35-315	Univ of Utah
Opal Dome	Beaver Co.	Sec. 2 T29S R9W	Core 4.7-55.2	Univ of Utah
OTHER GRADIENT WELLS				
Beaver Dam	Washington Co.	Sec. 23 T42S R19W	Chips 0-205	
BLM #5 Pine Valley Area	Washington Co.		Core 315-323	
Dry Creek #9 #1			Core 150-171	
Loa UT	Wayne Co.	Sec. 10 T27S R2E	Core 8.5-209.8	

Area/Hole Name	Location		Footage	Driller
		UTAH cont.		
OTHER GRADIENT WELLS				
EM1 Mussentuchit Flat		Sec. 16 T24S R7E	Core 20.0-209.8	
Grass Valley	Washington Co.	Sec. 1 T39S R15W	Chips 0-300	
Panguitch Lake	Garfield Co.	Sec. 27 T35S R7W	Core 0-295	
Shauntie Hill	Beaver Co.	Sec. 9 T29S R12W	Core 14.0-207.0	
Thermo 1a	Black Mts	Sec. 18 T31S R11W	Core 7-359.3	
UINTAH BASIN				
Research Tech	Uintah Co.	Sec. 21 T5S R23E	Chips 140-1300	Res Tech
Petrovest\Jensen #1	Uintah Co.	Sec. 21 T5S R23E	Chips 0-2615	Res Tech
Petrodyne	Uintah Co.	Sec. 21 T5S R23E	Chips 0-1300	Res Tech
Petrodyne\Jensen #3	Uintah Co.	Sec. 21 T5S R23E	Chips 0-2545	Res Tech
UTAH ROSES				
2	Salt Lake		Chips 0-4910	Utah Roses
Savage Well	Salt Lake	Sec. 22 T2S R2W	Chips 0-990	
WARM SPRINGS FAULT				
WSF/GH-A	Salt Lake	Sec. 14 T1N R1W	Chips 0-250	UGMS

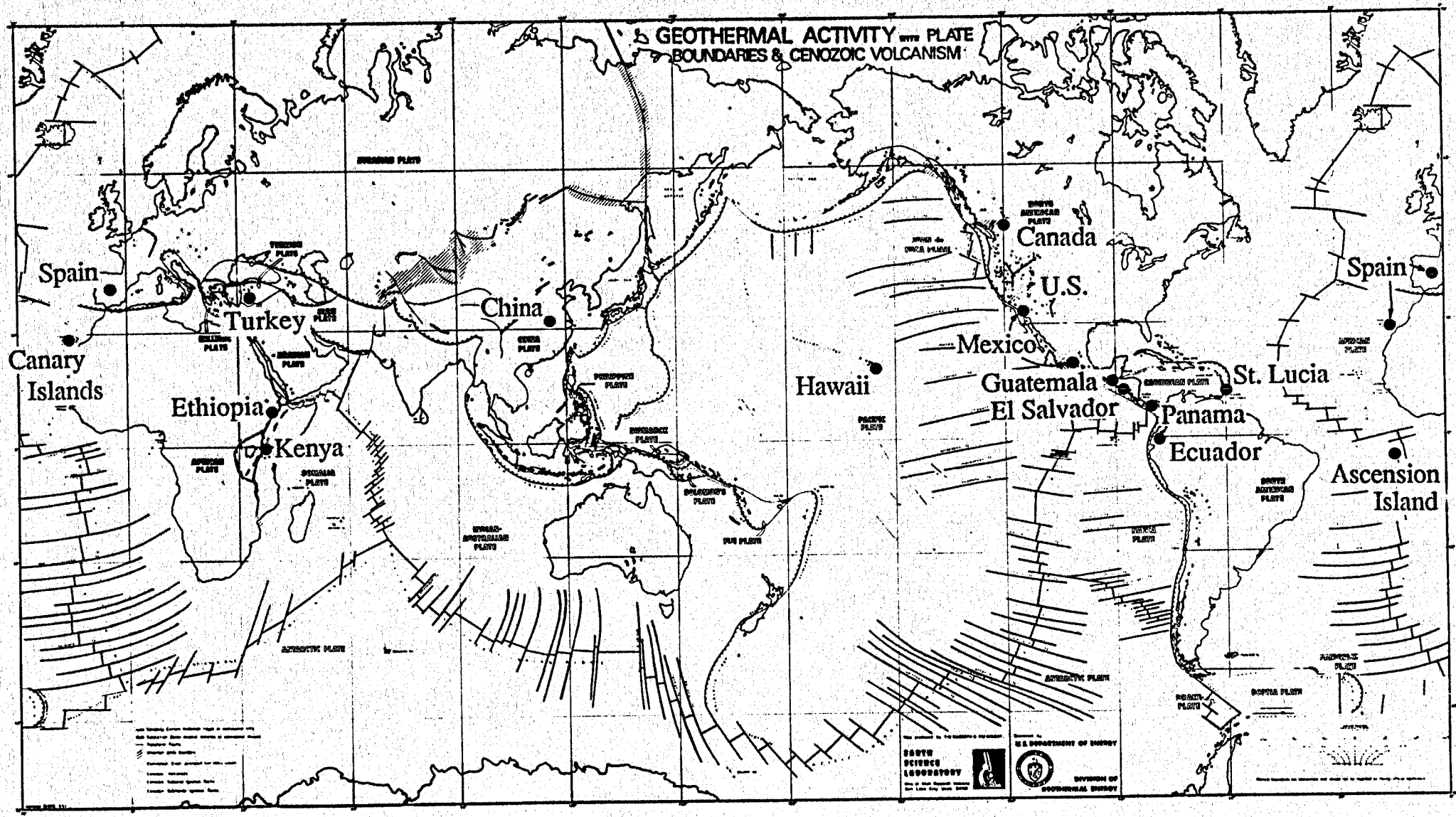
Area/Hole Name	Location		Footage	Driller
		UTAH cont.		
UINTAH BASIN				
WSF/GH-B	Salt Lake	Sec. 14 T1N R1W	Chips 0-90	UGMS
WSF/GH-B	Salt Lake	Sec. 14 T1N R1W	Chips 0-250	UGMS
WSF/GH-D	Salt Lake	Sec. 24 T1N R1W	Chips 5-250	UGMS
WSF/GH-E	Salt Lake	Sec. 25 T1N R1W	Chips 25-250	UGMS
		WASHINGTON		
GLACIER PEAK				

103 holes with a total of 51698 feet of core

Area/Hole Name	Location	Meters	Driller
ASCENSION ISLAND SOUTH ATLANTIC			
Ascension #1	Ascension Island South Atlantic Ocean	Chips 20-10050	UURI
GH-1	Ascension Island South Atlantic Ocean	Core 0-583	UURI
GH-2	Ascension Island South Atlantic Ocean	Core 0-583	UURI
GH-3	Ascension Island South Atlantic Ocean	Core 0-206	UURI
GH-4	Ascension Island South Atlantic Ocean	Core 0-723	UURI
GH-5	Ascension Island South Atlantic Ocean	Core 0-892	UURI
GH-6	Ascension Island South Atlantic Ocean	Core 0-1294	UURI
LDTGH	Ascension Island South Atlantic Ocean	Core 0-1115	UURI
CANADA			
MEAGER CREEK			
MCG-1		Chips 30-3040	BC Hydro
MCG-2		Chips 15-3500	BC Hydro
MCG-3		Chips 185-3500	BC Hydro
M-1		Core Variable	BC Hydro
M-2		Core Variable	BC Hydro

Area/Hole Name	Location	Meters	Driller
CANADA cont.			
MEAGER CREEK			
M-3		Core Variable	BC Hydro
M-7		Core 40-360	BC Hydro
M-7		Chips 40-360	BC Hydro
M-8		Core 20-490	BC Hydro
M-8		Chips 20-490	BC Hydro
M-9		Core 130-1130	BC Hydro
M-9		Chips 130-1130	BC Hydro
M10-80D		Core 0-106	BC Hydro
M10-80D		Chips 0-106	BC Hydro
M13-81-D		Core 40-580	BC Hydro
M13-81-D		Chips 40-580	BC Hydro
GUATEMALA, CENTRAL AMERICA			
Zunil			
ZCQ-1		Chips 0-1310	
ZCQ-6		Chips 0-1035	

Area/Hole Name	Location	Meters	Driller
GUATEMALA, CENTRAL AMERICA cont.			
ZUNIL			
ZCQ-5		Chips 0-1070	
ZCQ-3		Chips 0-1020	
MEXICO			
LOS AZUFRES			
AZ-47		Chips 12-2958	
AZ-52		Chips 18-1932	
AZ-41		Chips 0-672	
AZ-51		Chips 0-1842	
AZ-3		Chips 0-2328	
AZ-29		Chips 0-2742	
AZ-28		Chips 0-1680	
AZ-48		Chips 12-2676	
AZ-31		Chips 18-1290	



UURI Geothermal Studies - Worldwide

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