HAWAII GEOTHERMAL PROJECT
ENGINEERING PROGRAM

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By
Susan Shito

College of Engineering
University of Hawaii
Honolulu, Hawaii 96822
ACTIVITIES OF Q-DIVISION, THE ENERGY DIVISION, AT THE LOS ALAMOS SCIENTIFIC LABORATORY (Rough Draft)
Glasstone, Samuel
Los Alamos Scientific Laboratory
September, 1973

ADVANCED BINARY CYCLES FOR GEOTHERMAL POWER GENERATION
Holt, Ben, A.J.L. Hutchinson, Douglas H. Cortez
Paper presented at the 10th Annual Technical Meeting of the American Institute of Chemical Engineers, Southern California Section, April 24, 1973 and the Symposium of the New Sources of Energy, University of Southern California, May 9, 1973
Ben Holt Company
Pasadena, California

AMERICA'S ENERGY CRISIS
Newsweek, January 22, 1973

APPLICATION OF MATERIAL AND ENERGY BALANCES TO GEOTHERMAL STEAM PRODUCTION
Whiting, Robert L. and Henry J. Ramey, Jr.
Journal of Petroleum Technology
July, 1969

ASSESSMENT OF GEOTHERMAL ENERGY RESOURCES
Paper Prepared for the Committee on Energy Research and Development Goals, Federal Council of Science and Technology
June 26, 1972

AN INVENTORY OF BASIC WATER RESOURCES DATA: ISLAND OF HAWAII (R34)
State of Hawaii, Department of Land and Natural Resources Division of Water and Land Development
February, 1970

A BRIEF DESCRIPTION OF THE BROADLANDS GEOTHERMAL FIELD
Ministry of Works
New Zealand
December, 1971

CATALOG OF MINING & CONSTRUCTION PRODUCTS
Christensen Diamond Products Company

CERRO PRIETO GEOTHERMAL PROJECT, SITE VISIT
General Description of Project

CIRCULATION PATTERNS OF SALINE GROUNDWATER EFFECTED BY GEOTHERMAL HEATING—AS RELATED TO WASTE DISPOSAL
Henry, H.R., Kohout, F.A.
Underground Waste Management and Environmental Implications, Memoir No. 18, American Association of Petroleum Geologists
1972
ON CONVECTION IN A POROUS MEDIUM
McNabb, A.
Applied Mathematics Division, Dept. of Scientific and Industrial Research
Wellington, New Zealand

THE CONVERSION OF ENERGY
Summer, Claude M.

D.C. RESISTIVITY SURVEYS OF THE BROADLANDS GEOTHERMAL REGION, NEW ZEALAND
Risk, G.F., MacDonald, W.J.P., Dawson, G.B.
U.N. Symposium of the Development and Utilization of Geothermal Resources
Vol. 2, Part 1
Pisa, Italy
1970

DESALINATION
Probstein, Ronald F.
American Scientist, Vol. 61
May-June, 1973

THE DEVELOPMENT OF "DRY" GEOTHERMAL RESERVOIRS
Smith, Morton C.
Prepared for Geothermal Resources Research Conference, Reservoir Development
and Production Panel
August 8, 1972

DRILLING AND SAMPLING ROCK
Kempe, Walter F.

ELECTRICAL RESISTIVITY AND GEOTHERMAL EXPLORATION (Technical Memorandum)
Harding-Lawson Associates
May 25, 1973

ELECTROGASDYNAMIC ENERGY CONVERSION
Walsh, Edward M.

ENERGY "DEMAND" STUDIES: AN ANALYSIS AND APPRAISAL
Committee on Interior & Insular Affairs
U.S. House of Representatives
Sept. 1972
GALERKIN FINITE-ELEMENT SIMULATION OF A GEOTHERMAL RESERVOIR
Mercer, Jr., James W., Pinder, George F.

GAS WELL TEST ANALYSIS UNDER WATER-DRIVE CONDITIONS
Ramey, H.J., Kumar, A., Gulati, M.S.
Project 61-51 of the Pipeline Research Committee at Stanford University
AGA, Arlington, Virginia
1973

GENERAL ELECTRIC HEAVY-DUTY GAS TURBINES 7001
General Electric
Schenectady, New York

GEOLOGICAL-GEOCHEMICAL-GEOPHYSICAL INVESTIGATIONS OF A RECOGNIZED GEOTHERMAL
AREA IN THE IMPERIAL VALLEY OF SOUTHERN CALIFORNIA (A PROPOSAL)
University of California, Riverside: Rex, Coplen, Biehler, Elders, Combs
Riverside, California
July 1, 1972

GEOLOGICAL PROSPECTS FOR DEVELOPMENT OF GEOTHERMAL ENERGY IN HAWAII
MacDonald, Gordon A.

GEOLOGY OF THE STATE OF HAWAII
Sterns, Harold T.
Pacific Books
Palo Alto, California
1966

GEOPHYSICAL PAPERS PRESENTED AT THE U.N. CONFERENCE ON THE DEVELOPMENT AND
UTILIZATION OF GEOTHERMAL RESOURCES, Pisa, Italy, Sept. 22 - Oct. 1, 1970
Geophysics Division
Department of Scientific & Industrial Research
New Zealand
July, 1970

A STUDY OF GEOTHERMAL FLUID EXTRACTION AND POWER GENERATION
Mashima, Ken I.
University of Hawaii
Honolulu, Hawaii
1973

GEOTHERMAL ENERGY (A NATIONAL PROPOSAL FOR GEOTHERMAL RESOURCES RESEARCH)
Hickel, Walter J.
University of Alaska
Final Report of the Geothermal Resources Research Conference
Battelle Seattle Research Center, Seattle, Washington
Sept. 18 - 20, 1972
GEOTHERMAL ENERGY
National Resource
July 17, 1972

GEOTHERMAL ENERGY
Ramey, H.J.

GEOTHERMAL ENERGY (An Informal Report)
Smith, Morton C.
Los Alamos Scientific Laboratory of the University of California
Los Alamos, New Mexico
May, 1973

GEOTHERMAL ENERGY: GEOLOGY, EXPLORATION, AND DEVELOPMENTS (PART I)
Grose, L. Trowbridge
Colorado School of Mines
November, 1971

GEOTHERMAL ENERGY: GEOLOGY, EXPLORATION, AND DEVELOPMENTS (PART II)
Grose, L. Trowbridge
Colorado School of Mines
Mineral Industries Bulletin, Vol. 15, No. 1
1972

A THEORETICAL STUDY OF GEOTHERMAL ENERGY EXTRACTION
Harlow, Francis H. and Pracht, William E.
Journal of Geophysical Research, Vol. 77, No. 35
December 10, 1972

GEOTHERMAL ENERGY MAGAZINE
Dermentjian, Sam (Editor and Publisher)
West Covina, California
1973

GEOTHERMAL EXPLORATION (PANEL II)
Prepared for the Geothermal Resources Research Conference, Seattle, Washington
Sept. 18-22, 1972

GEOTHERMAL HEAT FLOW IN THE NORTH ISLAND OF NEW ZEALAND
Studt, R.E., and Thompson, G.E.K.
New Zealand Journal of Geology and Geophysics, Vol. 12, No. 4
November, 1969

GEOTHERMAL INVESTIGATIONS IN TAIWAN (MRSO REPORT #85)
Healy, James
Mining Research and Service Organization, Ministry of Economic Affairs
October, 1968

FINAL ENVIRONMENTAL STATEMENT FOR THE GEOTHERMAL LEASING PROGRAM (VOLUMES I-IV)
Office of the Secretary of the Interior
U.S. Department of the Interior
1973
GEOTHERMAL PAPERS (A Selection of Five Papers)

GEOTHERMAL POWER
Donnelly, F.J.
Jan. 12, 1972

GEOTHERMAL POWER (A MEMORANDUM)
Hawaiian Electric Company, Inc.
March 17, 1972

GEOTHERMAL POWER
Walters, Samuel
Mechanical Engineering
March, 1972

GEOTHERMAL POWER CONFERENCE (Sept., 1972)
Battelle Seattle Research Center
Seattle, Washington

GEOTHERMAL POWER, AN ECONOMIC EVALUATION
Kaufman, Alvin
Bureau of Mines, U.S. Department of the Interior
Information Circular 8230
1964

GEOTHERMAL POWER PROJECT OF THE PACIFIC GAS & ELECTRIC COMPANY AT THE GEYSERS, CALIFORNIA
Finney, J.P., F.J. Miller, and D.B. Mills
Paper submitted for presentation at the summer meeting of IEEE Power Engineering Society
San Francisco, California
July, 1972

GEOTHERMAL REGULATION IN CALIFORNIA
Anderson, David N.
Division of Oil and Gas

GEOTHERMAL RESERVOIR ENGINEERING: A PERSONALIZED SURVEY INTO THE STATE OF THE ART
Takahashi, Patrick K.
University of Hawaii
Honolulu, Hawaii
August 7, 1973

GEOTHERMAL RESOURCE ASSESSMENT (PANEL I)
Prepared for the Geothermal Resources Research Conference, Seattle Washington
Sept. 18 - 22, 1972
GEOTHERMAL RESOURCES RECONNAISSANCE OF THE IMPERIAL VALLEY AND SURROUNDING AREA, CALIFORNIA, UTILIZING THE SODIUM-POTASSIUM-CALCIUM GEOCHEMICAL EXPLORATION TECHNIQUE
Coplen, Tyler B.
Institute of Geophysics and Planetary Physics
University of California, Riverside
July, 1973

GEOTHERMAL RESOURCES RESEARCH CONFERENCE
Hickel, Walter J.
University of Alaska
April 1, 1972

GEOTHERMAL TECHNOLOGY (A POSITION PAPER)
Gist, James G.
Paper Presented at the Geothermal Conference in Seattle, Washington
Sept. 18, 1972

THE GEYSERS
Pacific Gas and Electric Company

THE GEYSERS POWER PLANT-A DRY STEAM GEOTHERMAL FACILITY
Barton, David B.
Pacific Gas & Electric Company
San Francisco, California
Paper Presented at the meeting of the Geothermal Resources Council, El Centro, California, Feb., 1972

GRAVITY CHANGES AT WAIRAKEI GEOTHERMAL FIELD, NEW ZEALAND
Hunt, Trevor M.
Feb., 1970

HARNESSING OF GEOTHERMAL ENERGY AND GEOTHERMAL ELECTRICITY PRODUCTION
Smith, John H.

HAWAII BUSINESS MAGAZINE
Volume 18, No. 6
Honolulu, Hawaii
Dec., 1972
THE HAWAII PELE ENERGY LABORATORY EXPERIMENTS (PELE)
Yuen, P.C., Shupe, J.W.
University of Hawaii
Honolulu, Hawaii

HEAT AND MASS TRANSFER IN THE EARTH: HYDROTHERMAL SYSTEMS
Elder, J.W.
New Zealand Department of Scientific and Industrial Research, Bulletin 169
Wellington, New Zealand
1966

HOEMAEMA I KA AINA (Goals for Oahu's Environment, Everybody's Business)
Office of the Mayor
Department of Planning & Economic Development
July, 1972

HIGH VOLUME HIGH PRESSURE MOBILE AIR DRILLING COMPRESSORS
Dresser Magcobar
Houston, Texas

HOLE CONTROL PRODUCTS, EQUIPMENT AND SERVICES (1970-1971 CATALOG)
Dresser Magcobar
Houston, Texas

HYDROGEN AND OTHER SYNTHETIC FUELS (A SUMMARY OF THE WORK OF THE SYNTHETIC FUELS PANEL-T10-26136)
Prepared for the Federal Council on Science and Technology R & D Goals Study under the Cognizance of the U.S. Atomic Energy Commission, Division of Reactor Development and Technology
U.S. Government Printing Office
Sept., 1972

AN INVESTIGATION OF THE HYDROTHERMAL SYSTEMS AT KILAUEA VOLCANO, HAWAII
Keller, George
Colorado School of Mines
1972

IDENTIFICATION OF POTENTIAL APPLICATIONS FOR ROCK-MELTING SUBTERRANEUS
Sims, D.L.
Los Alamos Scientific Laboratory of the University of California
New Mexico

IMPERIAL VALLEY DEMONSTRATION GEOTHERMAL POWER PLANT
Freeman, T.L.
Fluor Engineers & Constructors, Inc.
August 31, 1972
IMPLICATIONS OF THE NUCLEAR-ELECTRIC ECONOMY
Ross, Philip N.
Westinghouse

INDIRECT DETERMINATION OF THE DIFFUSE OUTFLOW FROM A COASTAL AQUIFER
Adams, William M.
Water Resources Research Center
Honolulu, Hawaii
July, 1972

INFRA-RED REMOTE SENSING OF THERMAL GROUND IN THE TAUPO REGION, NEW ZEALAND
Hochstein, M.P., Dickinson, D.J.
U.N. Symposium on the Development and Utilization of Geothermal Resources,
Vol. 2, Part 1
Pisa, Italy
1970

AN INVENTORY OF ENERGY RESEARCH
Oak Ridge National Laboratory
Prepared for the Task Force on Energy of the Subcommittee on Science, Research,
and Development of the Committee on Science and Astronautics,
U.S. House of Representatives
March, 1972

LOS ALAMOS GEOTHERMAL ENERGY PROJECT
Smith, Morton C.
Group Q-22
Los Alamos Scientific Laboratory of the University of California
Los Alamos, New Mexico
March 1, 1973

MANAGEMENT OF STIMULATED DRY GEOTHERMAL RESERVOIRS
Truesdell, Al
Received from author on August 15, 1972

1972-73 DIRECTORY OF MARINE DRILLING RIGS
Ocean Industry, Vol. 9, No. 9
Sept., 1972

MATHEMATICS APPLIED TO NATIONAL NEEDS
Stever, H. Guyford
SIAM Newsletter, Vol. 5, No. 4
August, 1972

MODEL STUDIES OF GEOTHERMAL STEAM PRODUCTION
Cady, G.V., H.L. Bilhartz, Jr., and H.J. Ramey, Jr.
Paper presented at the AIChE 71st National Meeting
Dallas, Texas
Feb., 1972

AN INTRODUCTION TO MRSO (REPORT 107)
Mining Research & Service Organization
Taipei
Jan., 1971
Contents: A. Geothermal Resources in China, McNitt; B. Geothermal Resources in Taiwan--An Evaluation of Existing Data, White and Truesdell; C. Geophysical Exploration in the Tatun Geothermal Areas, Northern Taiwan, Palmason; D. Geophysical Investigations for Power in the Tatun Volcanic Area, Taiwan, MacDonald; E. Geothermal Energy in the Tatun Area, Taiwan, Keppelmeyer; F. Seismic Prospecting for Power in the Matsuo Volcanic Area, Taiwan, Hayakawa.

A NATIONAL GEOTHERMAL ENERGY PROGRAM BUDGET
Submitted by the Department of Interior and the Atomic Energy Commission to the Office of Science and Technology.

NEAR-SURFACE RESISTIVITY SURVEYS OF GEOTHERMAL AREAS USING THE ELECTROMAGNETIC METHOD
Lumb, J.T., MacDonald, W.J.P.
Pisa, Italy
1970

NET MASS LOSS FROM THE WAIRAKEI GEOTHERMAL FIELD, NEW ZEALAND
Hunt, T.M.
Pisa, Italy
1970

NUCLEAR NEW BUYERS GUIDE (INDUSTRY REPORT 1971-1972)
Feb., 1972

NUCLEAR POWER DRAWBACKS
Harris, Ellen Stern
Los Angeles Times
Sunday, July 23, 1972

OCEAN INDUSTRY MAGAZINE
Volume 7, No. 9
Houston, Texas
Sept., 1972

OIL DRILLERS LOOK TO ELECTRONICS TO HELP THEM STRIKE IT RICHER
Mason, John F.
Electronic Design 21
October 14, 1971

ORIGIN AND CHARACTERISTICS OF A MAJOR HOT WATER GEOTHERMAL SYSTEM IN THE IMPERIAL VALLEY OF CALIFORNIA
Research Proposal to the National Science Foundation Research Applied to National Needs (RANN)
Institute of Geophysics and Planetary Physics, University of California, Riverside
Requested Starting Date: July 1, 1972
ORIGIN OF THE HAWAIIAN ISLANDS
Dalrymple, G. Brent, Silver, Eli Al., Jackson, Everett
American Scientist, Vol. 61
May-June, 1973

POTENTIAL OF GEOTHERMAL POWER
Hawaii Business, Vol. 18, No. 6
Dec., 1972

PRELIMINARY FINDINGS OF AN INVESTIGATION OF THE DUNES THERMAL ANOMALY, IMPERIAL VALLEY, CALIFORNIA
State of California, The Resources Agency, Department of Water Resources, Institute of Geophysics and Planetary Physics, University of California, Riverside
1973

PROCEEDINGS: NATIONAL CONFERENCE ON GEOTHERMAL ENERGY (VOLUMES I & II)
University of California, Riverside & National Science Foundation Research Applied to National Needs Through Grant #GI-36250
August, 1973

PUBLIC POLICY BIBLIOGRAPHIES: 3 (POWER FROM THE EARTH: GEOTHERMAL ENERGY)
Tompkins, Dorothy Campbell
Institute of Governmental Studies, University of California
Berkeley
1972

A MAJOR TECHNOLOGICAL BREAKTHROUGH IN PUMPING
Keller, Leonard
Keller Corporation

RECENT ADVANCES IN HEAVY ELECTRICAL PLANT (A Discussion Held on February 15 and 16, 1973)
Organized by J.S. Forrest, FRS
The Royal Society
London, England
1973

RECENT GEOPHYSICAL EXPLORATION OF THE KAWERAU GEOTHERMAL FIELD, NORTH ISLAND
NEW ZEALAND
MacDonald, W.J.P., Muffler, L.J.P.
New Zealand Journal of Geology and Geophysics, Vol. 15, No. 3
Sept., 1972

RELATIONSHIP OF ENERGY AND FUEL SHORTAGES TO THE NATION'S INTERNAL DEVELOPMENT
Hearings Before the Subcommittee on Flood Control & Internal Development of the Committee on Public Works, House of Representatives
Aug., 1972

RESERVOIR DEVELOPMENT AND PRODUCTION (PRELIMINARY STATEMENT)
Whiting, Robert L.
RESERVOIR DEVELOPMENT AND PRODUCTION (A PRE-MEETING POSITION PAPER)
Kruger, Paul
Prepared for the Geothermal Resources Research Conference, Seattle, Washington
Sept. 18 - 20, 1972

RESERVOIR DEVELOPMENT AND PRODUCTION SUB-PANEL
Fournier, Robert O.

A RESISTIVITY SURVEY OF THE TAUPO-WAITOTAPU AREA AT FIXED SPACING (1800FT)
MacDonald, J.J.P.
Geophysical Survey, Geophysics Division
Department of Scientific and Industrial Research
Wellington, New Zealand
June, 1967

REVIEW OF GEOTHERMAL RESOURCES
McNitt, James R.
Terrestrial Heat Flow, Geophysical Monograph, No. 8
American Geophysical Union
1965

ROCK BIT TECHNOLOGY MANUAL
Oilfield Products Division, Dresser Industries, Inc.
Houston, Texas

SCIENCE AND TECHNOLOGY
No. 86
Feb., 1969

SOLAR ENERGY RESEARCHERS TRY A NEW WAY
Business Week
June 12, 1971

STANFORD EARTH SCIENTIST
School of Earth Sciences, Stanford University, Vol. 1, Prologue -- No. 4

THE STEAM INSIDE
Newsweek
June 7, 1971

STIMULATION MODES OF GEOTHERMAL AQUIFERS
Ramey, H.J., Paul Kruger, and R. Raghavan
Paper Presented at the Special Session on Geothermal Energy Stimulation,
American Nuclear Society, Las Vegas, June 1972

STIMULATION OF GEOTHERMAL AQUIFERS FOR CONTRIBUTING TO THE ENERGY REQUIREMENTS
OF THE UNITED STATES
A Proposal Submitted to the National Science Foundation
Stanford University
Stanford, California
Requested Starting Date: July 1, 1972
SUL REGIME TERMICO DELLE REGIONI INSULARI PERMEABILI
Mongelli, F.
Marzo, 1962

A THEORETICAL AND EXPERIMENTAL STUDY OF A HIGH-VOLTAGE DIRECT-CURRENT TRANSMISSION SYSTEM INTERLINKING THE ISLANDS OF HAWAII (An Informal Research Preproposal)
Hwang, H.H., Granborg, B.S.M.
University of Hawaii
Honolulu, Hawaii

UNITED NATIONS SYMPOSIUM ON THE DEVELOPMENT AND UTILIZATION OF GEOTHERMAL RESOURCES
United Nations
Pisa, Italy
Sept. 22 - Oct., 1970

THE U.S. ENERGY PROBLEM, VOLUME I: SUMMARY VOLUME
Szego, G.C.

THE U.S. ENERGY PROBLEM, VOLUME II: APPENDICES, PART A & B
Szego, G.C.

VOLCANOES
MacDonald, Gordon A.
Prentice-Hall, Inc.
Englewood Cliffs, New Jersey
1972

WATER RESOURCES RESEARCH CENTER (ANNUAL REPORT 1970-1971)
Water Resources Research Center
University of Hawaii
Honolulu, Hawaii

WATER RESOURCES SUMMARY: ISLAND OF HAWAII (REPORT R 47)
United States Geological Survey & Division of Water and Land Development, Department of Land and Natural Resources, State of Hawaii
Honolulu, Hawaii
April, 1973

WATER RESOURCES OF CENTRAL MAUI (A PRELIMINARY REPORT - C62)
Takasaki, K.J.
U.S. Geological Survey, Division of Water and Land Development, Department of Land and Natural Resources, State of Hawaii
Honolulu, Hawaii
1972

THE WATER RESOURCES OF THE LAHAINA DISTRICT, MAUI (A PRELIMINARY REPORT - C51)
Yamanaga, George, Huxel, C.J.
U.S. Geological Survey, Division of Water and Land Development, Department of Land and Natural Resources, State of Hawaii
Honolulu, Hawaii
Feb., 1969
ANALYSIS AND EVALUATION OF PUMPING TEST DATA (Bulletin 11)
Kruseman, G.P., and N.A. De Ridder
International Institute for Land Reclamation and Improvement
Wageningen, Netherlands
1970

ENERGY: USES, SOURCES, ISSUES (UCRL-51221)
Austin, A.L., B. Rubin, G.C. Werth
Lawrence Livermore Laboratory of the University of California
Livermore, California
May 30, 1972

GEOTHERMAL POWER ECONOMICS: AN ANNOTATED BIBLIOGRAPHY
El-Ramly, N., R. Peterson, K.K. Seo
Socio-Economics Program of the Hawaii Geothermal Project
University of Hawaii
Honolulu, Hawaii
February, 1974

GEOTHERMAL POWER FOR HAWAII - PHASE I
Shupe, John W.
Hawaii Geothermal Project
University of Hawaii
Honolulu, Hawaii
October 1, 1973

GEOTHERMAL POWER FOR HAWAII - PHASE I
Shupe, John W.
Report prepared for presentation at the United States-Italy Cooperative Research Seminar on Geothermal Energy held at the University of Pisa, Pisa, Italy, November 5-10, 1973

HAWAII GEOTHERMAL PROJECT - ENGINEERING PROGRAM - QUARTERLY REPORT NO. 1
Engineering Program of the Hawaii Geothermal Project
University of Hawaii
Honolulu, Hawaii
September 1, 1973

HAWAII GEOTHERMAL PROJECT - ENGINEERING PROGRAM - QUARTERLY REPORT NO. 2
Engineering Program of the Hawaii Geothermal Project
University of Hawaii
Honolulu, Hawaii
December 1, 1973
Library Supplement No. 1 - Page 2

HAWAII GEOTHERMAL PROJECT - ENGINEERING PROGRAM - QUARTERLY REPORT NO. 3
Engineering Program of the Hawaii Geothermal Project
University of Hawaii
Honolulu, Hawaii
March 1, 1974

HAWAII GEOTHERMAL PROJECT QUARTERLY PROGRESS REPORT NO. 1
Hawaii Geothermal Project
University of Hawaii
Honolulu, Hawaii
June 1, 1973 Through August 31, 1973

HAWAII GEOTHERMAL PROJECT QUARTERLY PROGRESS REPORT NO. 2
Hawaii Geothermal Project
University of Hawaii
Honolulu, Hawaii
September 1 Through November 30, 1973

HAWAII GEOTHERMAL PROJECT QUARTERLY PROGRESS REPORT NO. 3
Hawaii Geothermal Project
University of Hawaii
Honolulu, Hawaii
December 1, 1973 Through February 28, 1974

DRAFT OF PRELIMINARY REPORT ON LEGAL AND PUBLIC POLICY SETTING FOR GEOTHERMAL
RESOURCE DEVELOPMENT IN HAWAII
Kamins, Robert, Donald Kornreich, George Sheets
Hawaii Geothermal Project
University of Hawaii
Honolulu, Hawaii
December, 1973

MODELLING OF HAWAIIAN GEOTHERMAL RESOURCES (Technical Report No. 1)
Cheng, Ping and Patrick Takahashi
Engineering Program of the Hawaii Geothermal Project
University of Hawaii
Honolulu, Hawaii
November 1, 1973

NATIONAL CENTER FOR ENERGY MANAGEMENT AND POWER (Bulletin 1974)
University of Pennsylvania
Philadelphia, Pennsylvania
1974

Vol. 1, No. 11 & Vol. 1, No. 12
Oak Ridge National Laboratory
Oak Ridge, Tennessee
November, 1973 & December, 1973
A RATIONALE FOR SETTING PRIORITIES FOR NEW ENERGY TECHNOLOGY R & D (SDK 73-12)
(Revision 4)
Rubin, Barney, Stuart Winter, Glenn Werth
Lawrence Livermore Laboratory
Livermore, California
June 19, 1973

STEADY STATE FREE CONVECTION IN AN UNCONFINED GEOTHERMAL RESERVOIR (Technical
Report No. 2)
Cheng, Ping and K.H. Lau
Engineering Program of the Hawaii Geothermal Project
University of Hawaii
Honolulu, Hawaii
March, 1974

GEOTHERMAL ENERGY (REVIEW OF RESEARCH AND DEVELOPMENT)
Armstead, H. Christopher, Editor
Earth Sciences 12
UNESCO
Paris, France
1973

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(A Tray) THE GEYSERS

(B Tray) KELLER'S FIRST DRILL RIG

(C Tray) PUNA, OLD GEOTHERMAL WELL, KELLER'S 2ND DRILL RIG