BIBLIOGRAPHY: INJECTION TECHNOLOGY APPLICABLE TO GEOTHERMAL UTILIZATION

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Energy Technology Engineering Center

*Operated for the U.S. Department of Energy
by Energy Systems Group, Rockwell International*

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By

**A. J. DARNELL
R. L. EICHELBERGER**

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ABSTRACT

This bibliography cites 500 documents that may be helpful in planning, analysis, research, and development of the various aspects of injection technology in geothermal applications. These documents include results from Government research; development, demonstration, and commercialization programs; selected references from the literature; symposia; references from various technical societies and installations; reference books; reviews; and other selected material.

The cited references are from (1) subject searching, using indexing, storage, and retrieval information data base of the Department of Energy's Technical Information Center's on-line retrieval system, RECON, (2) searches of references from the RECON data base, of work by authors known to be active in the field of geothermal energy research and development, (3) subject and author searches by the computerized data storage and retrieval system of Chemical Abstracts, American Chemical Society, Washington, D.C., and (4) selected references from texts and reviews on this subject.

Each citation includes title, author, author affiliation, date of publication, and source. The citations are listed in chronological order (most recent first) in each of the subject categories for which this search was made. The RECON accession number is also given.

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I. INTRODUCTION

A. PURPOSE AND SCOPE

The total potential geothermal energy resource is immense; however, most of the geothermal energy production over the next two decades will probably be from hot water resources. Vapor-dominated resources appear to be relatively rare, even though most of the world's production is presently of this type. Utilization of geothermal hot water resources will result in large quantities of spent geothermal liquids that must be disposed of. The most feasible way to accomplish disposal of the spent fluid is by injection back into the reservoir.

Subsurface injection tests have been successfully performed at a number of geothermal fields in the United States and throughout the world; for example, The Geysers, East Mesa, Heber and Niland fields in California; Raft River Basin in Idaho; the Valles Caldera field in New Mexico; the Matsukawa and Otake fields in Japan; the Ahuachapan field in El Salvador; and the Broadlands field in New Zealand. Subsurface liquid injection has also been practiced for a number of years by the petroleum industry primarily to enhance the productivity of oil fields. Injection has also been considered as a means for disposal of industrial waste liquids. However, to date, no subsurface injection tests have been conducted on a scale comparable to waste liquid that would be generated, for example, from a 100-MW geothermal plant utilizing a liquid-dominated resource.

This bibliography cites approximately 500 references from the published literature on selected phases of injection technology. This information may be helpful in future planning, analysis, and research and development of the various aspects of injection technology required for the development of liquid-dominated geothermal energy resources.

B. BIBLIOGRAPHY TOPICS

This literature search has focused on the following topics:

- 1) Migration of the injected fluid through the geological reservoir. Papers on the following subjects were referenced: Use of tracers, geophysical methods and other techniques for tracking fluid migration; development of generic modeling techniques to aid the prediction of fluid migration; assessment of fluid migration to optimize the placement of injection wells.
- 2) Evaluation of methods employed in the treatment of heat-depleted geothermal fluids prior to subsurface injection (primarily to determine particle content of the fluid, economically viable particle removal, and chemical conditioning methods).
- 3) Well completion concepts performed in order to enhance the injectability, extend the useful life, and minimize maintenance of the injection well.
- 4) Compatibility of surface waters and of other well waters with the spent geothermal fluid.
- 5) Interaction of the injected water with reservoir rock.

C. INFORMATION SOURCES

Sources of information included results from Government and industry research, development, demonstration, and commercialization programs; selected references from the literature; symposia; references from various technical societies and installations; reference books; reviews; and other selected materials. The references cited in Section II are from:

- 1) Subject searching using indexing, storage and retrieval information data base of the Department of Energy Technical Information Center on-line retrieval system (RECON). Subject categories and combinations of subject categories from TID 4584-R4 were screened. Papers pertinent to the topics of this literature search were selected.
- 2) A search of material from the RECON data base of work by authors active in the field of geothermal energy research and development. A list of authors for this RECON search was prepared from screening of conference and workshop proceedings, published bibliographies, and selected references cited in texts on subjects pertinent to fluid injection in geothermal, petroleum, and liquid waste technologies. Some of the more significant sources for this author list included:
 - a) Transactions of the Geothermal Resources Council Annual Meeting, Volumes 1 through 5.
 - b) R. Di Pippo, "Geothermal Energy as a Source of Electricity," U.S. Department of Energy, DOE/RA/28320-1, Washington, D.C., 1980.
 - c) J. Kestin, Editor, "Sourcebook on the Production of Electricity from Geothermal Energy," U.S. Department of Energy, DOE/RA/4051-1, Washington, D.C., 1980.
 - d) D. N. Andersen and J. W. Lund, Editors, "Direct Utilization of Geothermal Energy: A Technical Handbook," G.R.C., 1980.

- e) L. J. Defferding, "State of the Art of Liquid Waste Disposal for Geothermal Energy Systems: 1979," U.S. Department of Energy, DOE/EV-0083, UC-11, 66e, Washington, D.C., 1980.
 - f) A. J. Ellis and W. A. J. Mahon, "Chemistry and Geothermal Systems," Academic Press, New York, 1977.
 - g) R. L. Culp and G. L. Culp, "Advanced Wastewater Treatment," Litton Educational Publishing, Inc., New York, 1971.
 - h) A. G. Ostroff, "Introduction to Oil Field Water Technology," Prentice Hall, Inc., New York, 1970.
 - i) A. J. Ellis, "Chemical Processes in Hydrothermal Systems: A Review," Proceeding of Symposium on Hydrogeochemistry and Biogeochemistry, 1970.
 - j) M. J. Meister, G. K. Keltenbrink, and A. G. Collins, "Enhanced Oil Recovery Using Improved Aqueous Fluid-Injection Methods: An Annotated Bibliography," Bartlesville, Oklahoma, 1976.
- 3) Subject and author searches by the computerized data storage and retrieval system of Chemical Abstracts, American Chemical Society, Washington. However, the citations revealed in this search of Chemical Abstracts were also found in the RECON literature search.

D. USE OF BIBLIOGRAPHY

Literature citations are listed under nine subject categories in Section II. The citations in each subject category are listed in the inverse chronological order in which the citation is listed in the RECON retrieval system, i.e., the most recent listed first. The first two digits of the RECON accession number indicate the year in which the citation was listed by RECON. The title of the article/report, the author/editor/compiler, as well as information about the author affiliation are given. Data on availability of article, contract number, report number, date of publication, etc., are given whenever available or applicable. Additional information such as key word listings and abstract can be obtained by submitting the citation's accession number to DOE's RECON system. In many cases, the citation will be found in more than one of the subject category lists in Section II.

An author index for the combined set of citations is given in Section III.

II. CITATIONS

This section contains references to the published literature on injection technology applicable to geothermal energy research and development. The citations are listed under the following subject categories of interest to injection technology in geothermal applications.

A. INJECTION FLUID MIGRATION THROUGH THE GEOTHERMAL RESERVOIR

1. Use of Tracers to Track Fluid Migration

ACCESSION NO. 8200011195
REPORT NO. PAGE LBL-11500 PP. 1-31
TITLE EVALUATION OF WELL-TO-WELL TRACERS FOR GEOTHERMAL RESERVOIRS.
PART 1: LITERATURE SURVEY
AUTHORS VETTER, O.J.; ZINNOW, K.P.
AUTHOR AFF VETTER RESEARCH, COSTA MESA, CA
TITLE(MONO) EVALUATION OF WELL-TO-WELL TRACERS FOR GEOTHERMAL RESERVOIRS
EDITOR OR COMP VETTER, O.J.; ZINNOW, K.P.
SEC REPT NO GREMP--14;DE82003890
AVAILABILITY NTIS, PC A04/MF A01.
DATE AUG 1981
REPORT NO LBL-11500
ORDER NUMBER DE82003890

2
ACCESSION NO. 8200011194
TITLE(MONO) EVALUATION OF WELL-TO-WELL TRACERS FOR GEOTHERMAL RESERVOIRS.
PART 1: LITERATURE SURVEY. PART 2: LABORATORY WORK
EDITOR OR COMP VETTER, O.J.; ZINNOW, K.P.
CORPORATE AUTH LAWRENCE BERKELEY LAB., CA (USA); VETTER RESEARCH, COSTA MESA, CA (USA)
SEC REPT NO GREMP--14;DE82003890
AVAILABILITY NTIS, PC A04/MF A01.
CONTRACT NO CONTRACT W-7405-ENG-48
DATE AUG 1981
REPORT NO LBL-11500
ORDER NUMBER DE82003890

3
ACCESSION NO. 8200011171
REPORT NO. PAGE LBL-11500 PP. 32-66
TITLE EVALUATION OF WELL-TO-WELL TRACERS FOR GEOTHERMAL RESERVOIRS.
PART 2: LABORATORY WORK
AUTHORS VETTER, O.J.; ZINNOW, K.P.
AUTHOR AFF VETTER RESEARCH, COSTA MESA, CA
TITLE(MONO) EVALUATION OF WELL-TO-WELL TRACERS FOR GEOTHERMAL RESERVOIRS
EDITOR OR COMP VETTER, O.J.; ZINNOW, K.P.
SEC REPT NO GREMP--14;DE82003890
AVAILABILITY NTIS, PC A04/MF A01.
DATE AUG 1981
REPORT NO LBL-11500
ORDER NUMBER DE82003890

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ACCESSION NO. 82J0010030
TITLE USE OF RADIOACTIVE ISOTOPES IN FLUID INJECTION
AUTHORS CALHOUN, T.G.
AUTHOR AFF CALHOUN ENGINEERING
PUB DESC API PROD. DIV. SOUTHWESTERN DIST. SPRING MTG., ODESSA, TX, NO. 906-12-G, P. VP
DATE 1967
JOURNAL CIT API PROD. DIV. SOUTHWESTERN DIST. SPRING MTG., ODESSA, TX

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FILE NO LONGER AVAILABLE

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ACCESSION NO. 81J0128536
TITLE GENERALIZED THEORY ON HYDRODYNAMIC DISPERSION IN POROUS MEDIA
AUTHORS BEAR, J.; SACHMAT, Y.
AUTHOR AFF TECHNION ISRAEL INST TECHNOL; WATER PLANNING ISRAEL LTD.
PUB DESC INT. UNION GEOD. GEOPHYS. PUBL., NO. 72, PP. 7-16
DATE 1967
JOURNAL CIT INT. UNION GEOD. GEOPHYS. PUBL.

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ACCESSION NO. 81J0128519
TITLE USE OF RADIOACTIVE ISOTOPES IN FLUID INJECTION
AUTHORS CALHOUN, T.G.
AUTHOR AFF CALHOUN ENGINEERING
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DATE 1967
JOURNAL CIT API PROD. DIV. SOUTHWESTERN DIST. SPRING MTG., ODESSA, TX

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ACCESSION NO. 81C0112247
 TITLE(MONO) ANALYSIS OF COLUMN TRACER EXPERIMENTS BY A
 STOCHASTIC-CONVECTIVE TRANSPORT METHOD
 EDITOR OR COMP SIMMONS, C.S.
 CORPORATE AUTH BATTELLE PACIFIC NORTHWEST LABS., RICHLAND, WA (USA)
 SEC REPT NO CONF-810761--1
 AVAILABILITY NTIS, PC A03/MF A01.
 CONTRACT NO CONTRACT AC06-76RLD1830
 CONF TITLE AGU CHAPMAN CONFERENCE ON SPATIAL VARIABILITY IN HYDROLOGY
 CONF PLACE FORT COLLINS, CO, USA
 CONF DATE 21 JUL 1981
 DATE APR 1981
 REPORT NO PNL-SA--9478
 ORDER NUMBER DE81030088

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ACCESSION NO. 81C0104102
 TITLE(MONO) RADIOACTIVE TRACERS USED TO CHARACTERIZE GEOTHERMAL RESERVOIRS
 EDITOR OR COMP DENNIS, B.R.; POTTER, R.; KOLAR, J.
 CORPORATE AUTH LOS ALAMOS SCIENTIFIC LAB., NM (USA)
 SEC REPT NO CONF-811015--5
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-36
 CONF TITLE GEOTHERMAL RESOURCES COUNCIL ANNUAL MEETING
 CONF PLACE HOUSTON, TX, USA
 CONF DATE 25 OCT 1981
 DATE 1981
 REPORT NO LA-UR--81-1709
 ORDER NUMBER DE81025372

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ACCESSION NO. 81C0098229
 REPORT NO, PAGE SAND--81-0036C PP. 21.1-21.18
 TITLE REVIEW OF THE GEOTHERMAL RESERVOIR WELL STIMULATION PROGRAM
 AUTHORS CAMPBELL, D.A.; SINCLAIR, A.R.; HANOLD, R.J.; VETTER, D.J.
 AUTHOR AFF REPUBLICANWELL S GEOTHERMAL, INC., SANTA FE SPRINGS, CA
 TITLE(MONO) PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON GEOTHERMAL
 DRILLING AND COMPLETION TECHNOLOGY
 SEC REPT NO CONF-810105--
 AVAILABILITY NTIS, PC A23/MF A01.
 CONF TITLE INTERNATIONAL GEOTHERMAL DRILLING AND COMPLETIONS TECHNOLOGY
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 CONF PLACE ALBUQUERQUE, NM, USA
 CONF DATE 21 JAN 1981
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 AUTHORS HOEFS, J.
 AUTHOR AFF GÖTTINGEN UNIV. (GERMANY, F.R.). GEOCHEMISCHES INST.
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 CONF PLACE BERLIN, GERMANY, F.R.
 CONF DATE 10 - 14 SEP 1979
 PUBL LOC VERLAG CHEMIE, WEINHEIM, GERMANY, F.R.
 DATE 1979

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ACCESSION NO. 81J0093709
 TITLE FLOW OF RADIOACTIVE FLUIDS IN POROUS MEDIA
 AUTHORS BOLIVAR, P.J.; FAROUQ ALI, S.M.
 AUTHOR AFF VENEZ MIN MINES
 PUB DESC PROD. MON., V. 31, NO. 7, PP. 2-7
 DATE JUL 1967
 JOURNAL CIT PROD. MON.

ACCESSION NO. 81R0087517
 TITLE(MONO) WATER DISTRIBUTION AND MOVEMENT IN AN UNSATURATED PIEDMONT SOIL
 PROFILE
 EDITOR OR COMP LIGON, J.T.; WILSON, T.V.; ALLEN, J.F.; KING, I.G.; SINGH, U.P.

ETEC-82-11

CORPORATE AUTH	CLEMSON UNIV., SC (USA). WATER RESOURCES RESEARCH INST.
AVAILABILITY	NTIS. PC A06/MF A01.
CONTRACT NO	CONTRACT D1-14-31-0001-5041
DATE	JAN 1980
REPORT NO	PB--81-113995

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ACCESSION NO.	81Y0084783
TITLE	FIELD EVALUATION OF WATERFLOOD TRACERS IN A FIVE-SPOT
AUTHORS	SMITH, D.H.; BRIGHAM, W.E.
AUTHOR AFF	CONTINENTAL OIL CO.
TITLE(MONO)	API PROD. DIV. MID-CONTINENT DIST. MTG., WICHITA, KS
PUBL LOC	AMERICAN PETROLEUM INSTITUTE, WASHINGTON, DC
DATE	1965

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ACCESSION NO.	81R0073258
TITLE(MONO)	GEOTHERMAL INJECTION MONITORING PROJECT
EDITOR OR COMP	YOUNKER, L.
CORPORATE AUTH	LAWRENCE LIVERMOKE NATIONAL LAB., CA (USA)
AVAILABILITY	NTIS. PC A04/MF A01.
CONTRACT NO	CONTRACT W-7405-ENG-48
DATE	APR 1981
REPORT NO	UCID--19066
ORDER NUMBER	DEB1024479

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ACCESSION NO.	81P0054273
PATENT NO	US PATENT 4,223,725
TITLE(MONO)	METHOD FOR RESERVOIR FLUID DRIFT RATE DETERMINATION
EDITOR OR COMP	ADAMS, W.T.; TEASDALE, T.S.
PAT ASSIGNEE	TO TEXACO INC
FILED DATE	FILED DATE 26 DEC 1978
DATE	23 SEP 1980
ISBN CODE	F21B 47/10

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ACCESSION NO.	81PC052130
PATENT NO	US PATENT APPLICATION 159-690
TITLE(MONO)	APPARATUS AND METHOD FOR DOWNHOLE INJECTION OF RADIOACTIVE TRACER
EDITOR OR COMP	POTTER, R.M.; ARCHULETA, J.; FINK, C.F.
PAT ASSIGNEE	TO DEPT. OF ENERGY
AVAILABILITY	NTIS. PC A02/MF A01.
CONTRACT NO	CONTRACT W-7405-ENG-26
DATE	_ND_

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ACCESSION NO.	81J0043646
TITLE	USE OF TRACERS TO DETERMINE THE ORIGIN OF INJECTED WATER IN THE PRODUCING WELLS OF THE SECONDARY RECOVERY SYSTEM OF THE TAMARA RESERVOIR, POZA RICA
AUTHORS	NAVA, M.; TENA, J.
AUTHOR AFF	PETROLEOS MEXICANOS; PETROLEOS MEXICANOS
PUB DESC	ING. PET., V. 5, NO. 5, PP. 19-25
DATE	AUG 1965
JOURNAL CIT	ING. PET.

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ACCESSION NO.	81C0038018
TITLE(MONO)	INTERWELL TRACER ANALYSES OF A HYDRAULICALLY FRACTURED GRANITIC GEOTHERMAL RESERVOIR
TITLE(SERIAL)	SPE 8270
EDITOR OR COMP	TESTER, J.W.; POTTER, R.M.
SEC REPT NO	LA-UR--79-2005
AVAILABILITY	AMERICAN INSTITUTE MINING AND METALLURGICAL ENGINEERS, INCORPORATED, NEW YORK, NY.
CONF TITLE	54. ANNUAL FALL TECHNICAL CONFERENCE AND EXHIBITION OF THE SOCIETY OF PETROLEUM ENGINEERS OF AIME
CONF PLACE	LAS VEGAS, NV (USA)
CONF DATE	23 SEP 1979
PUBL LOC	SOCIETY OF PETROLEUM ENGINEERS, DALLAS, TX
DATE	1979

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ACCESSION NO. 81C0032018
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 EDITOR OR COMP CAMPBELL, D.A.; HANDLO, R.J.; SINCLAIR, A.R.; VETTER, D.J.
 CORPORATE AUTH LOS ALAMOS SCIENTIFIC LAB., NM (USA)
 SEC REPT NO CONF-81C105--3
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-36
 CONF TITLE INTERNATIONAL GEOTHERMAL DRILLING AND COMPLETIONS TECHNOLOGY
 CONF PLACE CONFERENCE
 CONF DATE ALBUQUERQUE, NM, USA
 DATE 21 JAN 1981
 REPORT NO 1981
 LA-UR--81-26

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ACCESSION NO. 80Y0113519
 TITLE ESTIMATION OF HYDRAULIC CONDUCTIVITY IN SWEDISH PRECAMBRIAN
 CRYSTALLINE BEDROCK
 AUTHORS CARLSSON, L.; GJOLUND, G.; HANSSON, K.; KLOCKARS, C.-E.
 AUTHOR AFF GEOLOGICAL SURVEY OF SWEDEN, UPPSALA
 TITLE(MONO) LOW FLOW, LOW-PERMEABILITY MEASUREMENTS IN LARGELY IMPERMEABLE
 ROCKS
 SEC REPT NO CONF-790320--
 CONF TITLE WORKSHOP ON LOW-FLOW LOW PERMEABILITY MEASUREMENTS IN LANGLEY
 IMPERMEABLE ROCKS
 CONF PLACE PARIS, FRANCE
 CONF DATE 19 MAR 1979
 PUBL LOC OECD, PARIS, FRANCE
 DATE 1979

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ACCESSION NO. 80Y0112845
 TITLE TESTS OF POROUS PERMEABLE MEDIUM HYPOTHESIS FOR FLOW OVER LONG
 DISTANCES IN FRACTURED DEEP HARD ROCK
 AUTHORS BOURKE, P.J.; HUGGINKSON, D.P.; GALE, J.E.; WITHERSPOON, P.A.
 AUTHOR AFF UKAEA ATOMIC ENERGY RESEARCH ESTABLISHMENT, HARWELL; WATERLOO
 TITLE(MONO) UNIV., ONTARIO (CANADA)
 SEC REPT NO LOW FLOW, LOW-PERMEABILITY MEASUREMENTS IN LARGELY IMPERMEABLE
 CONF TITLE ROCKS
 CONF-790320--
 WORKSHOP ON LOW-FLOW LOW PERMEABILITY MEASUREMENTS IN LANGLEY
 IMPERMEABLE ROCKS
 CONF PLACE PARIS, FRANCE
 CONF DATE 19 MAR 1979
 PUBL LOC OECD, PARIS, FRANCE
 DATE 1979

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ACCESSION NO. 80C033849
 TITLE GEOTHERMAL WASTEWATER REINJECTION TRIALS, MAHIAD RESERVOIR,
 REPUBLIC OF THE PHILIPPINES
 AUTHORS DOBBIE, I.P.; MENZIES, A.J.
 AUTHOR AFF KINGSTON REYNOLDS THOM AND ALLARDICE LTD. (KRTA), AUCKLAND, NEW
 TITLE(MONO) ZEALAND
 SEC REPT NO EXPANDING THE GEOTHERMAL FRONTIER
 CONF TITLE CONF-79066--
 CONF PLACE GEOTHERMAL RESOURCES COUNCIL ANNUAL MEETING
 CONF DATE RENO, NV, USA
 PUBL LOC 24 SEP 1979
 DATE GEOTHERMAL RESOURCES COUNCIL, DAVIS, CA
 1979

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ACCESSION NO. 80Y0023973
 TITLE ENVIRONMENTAL AND ARTIFICIAL TRACERS FOR INVESTIGATING LEAKAGES
 INTO SALT MINES
 AUTHORS ZUBER, A.; GRABCEK, J.; KOLONKO, M.
 AUTHOR AFF INSTITUTE OF NUCLEAR PHYSICS, KRAKOW (POLAND); INSTITUTE OF
 PHYSICS AND NUCLEAR TECHNIQUES, KRAKOW (POLAND)
 TITLE(MONO) ISOTOPE HYDROLOGY 1978. VOL. 1
 SEC REPT NO CONF-780674--P1; STI/PUB--493(VOL.1); IAEA-SM--228/2
 CONF TITLE INTERNATIONAL SYMPOSIUM ON ISOTOPE HYDROLOGY
 CONF PLACE NEUERBERG/MUENCHEN, F.R. GERMANY
 CONF DATE 19 JUN 1978

PUBL LOC IAEA, VIENNA
DATE 1979

99/3/0060001-0000051// 25
ACCESSION NO. 80Y0013766
TITLE TRITIUM/HELIUM-3 METHOD IN HYDROLOGY
AUTHORS TORGENSEN, T.; JENKINS, W.J.; CLARKE, W.B.
AUTHOR AFF WOODS HOLE OCEANOGRAPHIC INSTITUTION, MA (USA); MCMASTER UNIV.,
HAMILTON, ONTARIO (CANADA)
TITLE (MONO) ISOTOPE HYDROLOGY 1978. VOL. 2
SEC REPT NO STI/PUB-493(VOL.2); CONF-780674--P2; IAEA-SM-228/49
CONF TITLE INTERNATIONAL SYMPOSIUM ON ISOTOPE HYDROLOGY
CONF PLACE NEUBERGER/MUENCHEN, F.R. GERMANY
CONF DATE 19 JUN 1978
PUBL LOC INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA, AUSTRIA
DATE 1979

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ACCESSION NO. 79C0116672
TITLE (MONO) INTERWELL TRACER ANALYSES OF A HYDRAULICALLY FRACTURED GRANITIC
GEOHERMAL RESERVOIR
EDITOR OR COMP TESTER, J.W.; PUTTER, R.M.; BIVINS, R.L.
CORPORATE AUTH LOS ALAMOS SCIENTIFIC LAB., NM (USA)
SEC REPT NO CONF-790913--2
AVAILABILITY DEP. NTIS, PC A02/MF A01.
CONTRACT NO CONTRACT W-7405-ENG-36
CONF TITLE 54. ANNUAL TECHNICAL CONFERENCE AND EXHIBITION
CONF PLACE LAS VEGAS, NV, USA
CONF DATE 23 SEP 1979
DATE 1979
REPORT NO LA-UR-79-1967

27
ACCESSION NO. 79C0116642
REPORT NO, PAGE LBL-8883 PP. 81-89
TITLE USE OF TRACERS IN GEOTHERMAL INJECTION SYSTEMS
AUTHORS VETTER, D.J.
AUTHOR AFF VETTER RESEARCH, COSTA MESA, CA
TITLE (MONO) SECOND INVITATIONAL WELL-TESTING SYMPOSIUM PROCEEDINGS
SEC REPT NO CONF-7810170--
CONF TITLE 2. INTERNATIONAL WELL-TESTING SYMPOSIUM
CONF PLACE BERKELEY, CA, USA
CONF DATE 25 OCT 1978
DATE 1978
REPORT NO LBL-8883

28
ACCESSION NO. 79C0090624
TITLE TRACER METHODS FOR THE DETERMINATION OF GROUNDWATER
RESIDENCE-TIME DISTRIBUTIONS
AUTHORS WHITE, K.E.
TITLE (MONO) GROUNDWATER QUALITY: MEASUREMENT, PREDICTION, AND PROTECTION
SEC REPT NO CONF-7609205--
CONF TITLE GROUNDWATER QUALITY - MEASUREMENT, PREDICTION AND PROTECTION
CONF PLACE READING, UK
CONF DATE 6 SEP 1976
PUBL LOC WATER RESEARCH CENTRE, MEDMENHAM, UK
DATE 1977

29
ACCESSION NO. 79C0072656
TITLE PREDICTING PRODUCTION TEMPERATURE USING TRACER METHODS
AUTHORS HANSON, J.M.; KASAMEYER, P.W.
AUTHOR AFF UNIV. OF CALIFORNIA, LIVERMORE
TITLE (MONO) GEOTHERMAL ENERGY: A NOVELTY BECOMES RESOURCE. TRANSACTIONS.
VOLUME 2, SECTION 1
SEC REPT NO CONF-780708--P1
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 TITLE TRITIUM TRACER SURVEY AT THE GEYSERS
 AUTHORS GULATI, M.S.; LIPMAN, S.C.; STROBEL, C.J.
 AUTHOR AFF UNION OIL CO. OF CALIFORNIA, SANTA ROSA
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 EDITOR OR COMP YUEN, D.L.; BRIGHAM, W.E.; CINCO-L, H.
 CORPORATE AUTH STANFORD UNIV., CA (USA). PETROLEUM RESEARCH INST.
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 CORPORATE AUTH PENNSYLVANIA STATE UNIV., UNIVERSITY PARK (USA). INST. FOR
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 AUTHORS VAN DER WESTHUIZEN, M.
 AUTHOR AFF ATOMIC ENERGY BOARD, PELINDABA, PRETORIA (SOUTH AFRICA).
 ISOTOPES AND RADIATION DIV.
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 AUTHORS GANCARZ, A.J.
 TITLE(MONO) PROCEEDINGS OF HOT DRY ROCK GEOTHERMAL WORKSHOP
 EDITOR OR COMP ELSNER, D.B.
 ED AFF COMP.
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 AUTHORS TESTER, J.W.; BIVINS, R.L.
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SINE, L.; GASPAR, S.; HARRATH, A.; AGNEESSSENS, J.P.
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EAPEN, A.C.; JAIN, S.K.; KIRTI . ISOTOPE DIV.)
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AUTHORS UMESH CHANDRA . DESALINATION AND EFFLUENT ENGINEERING DIV.)
AUTHOR AFF BHADHA ATOMIC RESEARCH CENTRE, BOMBAY (INDIA
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THE QUATERNARY AQUIFER AT SETALAO, RAJASTHAN
AUTHORS FRACZEK, E. . UNDP PROJECT); SAHADUR, J.
AUTHOR AFF CENTRAL GROUND WATER BOARD, NEW DELHI (INDIA); (INDIAN
TITLE(MONO) AGRICULTURAL RESEARCH INST., NEW DELHI, NUCLEAR RESEARCH LAB.
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AUTHORS VETTER, U.J.
AUTHOR AFF VETTER ASSOCIATES, LAGUNA BEACH, CA
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CORPORATE AUTH INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA (AUSTRIA)
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EDITOR OR COMP WITHERSPUON, P.A. (ED.)
CORPORATE AUTH TEXAS UNIV., AUSTIN (USA)
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 AUTHORS WAGNER, D.R.
 AUTHOR AFF AMOCO PROD CO, TULSA, OKLA
 PUB DESC J. PET. TECHNOL., V. 29, PP. 1410-1416
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 EDITOR OR COMP AHLSTROM, S.W.; FODIE, H.P.; ARNETT, R.C.; COLE, C.R.; SERNE,
 R.J.
 CORPORATE AUTH BATTELLE PACIFIC NORTHWEST LABS., RICHLAND, WASH. (USA)
 AVAILABILITY DEP. NTIS, PC A07/MF A01.
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 EDITOR OR COMP WAGNER, D.R.
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 PUBL LOC AMERICAN INSTITUTE OF MINING, METALLURGICAL, AND PETROLEUM
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 AUTHORS ROWE, J.J.; FOURNIER, R.O.; MOKEY, G.W.
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 AUTHORS BARRY, B.
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 AUTHORS ARIIZUMI, A.; KONDO, O.
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 AUTHORS HORNE, R.N.; SATMAN, A.; GRANT, M.A.
 AUTHOR AFF STANFORD UNIV., CA
 TITLE (MONO) NEW ZEALAND GEOTHERMAL WORKSHOP: PROCEEDINGS
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 FIELD PROJECTS
 AUTHORS FAROUQ ALI, S.M.; DONGHUE, D.A.T.; STAHL, C.D.
 AUTHOR AFF PENNSYLVANIA STATE UNIV
 PUB DESC 7TH WORLD PETR. CONGR., MEXICO, NO. PD-8(2), P. VP
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 AUTHORS MANGOLD, D.C.; TSANG, C.F.; LIPPMANN, M.J.; WITHERSPOON, P.A.
 AUTHOR AFF UNIV OF CALIF, BERKELEY
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 AUTHORS GRINGARTEN, A.C.; NAMEY, H.J. JR.; RAGHAVAN, R.
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 AUTHORS NARASIMHAN, T.N.; WITHERSPOON, P.A.
 AUTHOR AFF UNIV. OF CALIFORNIA, BERKELEY
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 CORPORATE AUTH SKIBA, P.; GOLDMAN, D.; SPENCER, S.; HULL, L.
 AVAILABILITY EG AND G IDAHO, INC., IDAHO FALLS (USA)
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 TITLE REVIEW OF THE GEOTHERMAL RESERVOIR WELL STIMULATION PROGRAM
 AUTHORS CAMPBELL, D.A.; SINCLAIR, A.R.; HANOLD, R.J.; VETTER, D.J.
 AUTHOR AFF REPUBLICAN GEOTHERMAL, INC., SANTA FE SPRINGS, CA
 TITLE (MONO) PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON GEOTHERMAL
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AUTHORS GRANNELL, R.B.
AUTHOR AFF CALIFORNIA STATE UNIV., LONG BEACH
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CONF TITLE GEOTHERMAL RESOURCE COUNCIL ANNUAL MEETING
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AUTHORS IKOKU, C.U.; RAMEY, H.J. JR.
AUTHOR AFF UNIV OF TULSA, OKLA
PUB DESC AM. SOC. MECH. ENG., _PAP., NO. 81-PET-32, PP. 1-10
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TITLE LARGE-SCALE PERMEABILITY TESTING AT STRIPA
AUTHORS LONG, J.C.S.; WITHERSPOON, P.A.; WILSON, C.R.; DUBOIS, A.O.
AUTHOR AFF LAWRENCE LIVERMORE LAB., CA
TITLE(MONO) THIRD INVITATIONAL WELL-TESTING SYMPOSIUM: WELL TESTING IN LOW
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EDITOR OR COMP DOE, T.W.; SCHWARZ, W.J.
CORPORATE AUTH LAWRENCE BERKELEY LAB., CA (USA)
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EDITOR OR COMP YOUNKER, L.
CORPORATE AUTH LAWRENCE LIVERMORE NATIONAL LAB., CA (USA)
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AUTHORS HORNE, R.N.; SATMAN, A.; GRANT, M.A.
AUTHOR AFF TECH UNIV OF ISTANBUL, TURK
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 AUTHORS COOLEY, C.H.; OWEN, L.B.; BLAIR, C.K.; BANIK, G.J.
 AUTHOR AFF TERRA TEK, INC., SALT LAKE CITY, UT
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 CORPORATE AUTH LA-UR--79-2005
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 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
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 AUTHORS TRUESDELL, A.H.
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ACCESSION NO. 77C0060855
 TITLE PRESSURE TRANSIENT ANALYSIS FOR GEOTHERMAL WELLS
 AUTHORS RAMEY, H.J. JR.
 AUTHOR AFF STANFORD UNIV., CA
 TITLE(MONO) PROCEEDINGS OF THE SECOND UNITED NATIONS SYMPOSIUM ON THE
 DEVELOPMENT AND USE OF GEOTHERMAL RESOURCES
 CONF TITLE 2. UNITED NATIONS SYMPOSIUM ON THE DEVELOPMENT AND USE OF
 GEOTHERMAL RESOURCES
 CONF PLACE SAN FRANCISCO, CA, USA
 CONF DATE 20 MAY 1975
 PUBL LOC UNIV. OF CALIFORNIA, BERKELEY, CA
 DATE 1976
 DROP NOTE SEE CONF-750525--P3

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ACCESSION NO. 77J0059502
 TITLE APPLIED PRESSURE ANALYSIS FOR FRACTURED WELLS
 AUTHORS GRINGARTEN, A.C.; RAMEY, H.J. JR.; RAGHAVAN, R.
 AUTHOR AFF UNIV. OF CALIFORNIA, BERKELEY
 PUB DESC J. PET. TECHNOL., V. 27, PP. 887-892
 DATE JUL 1975
 JOURNAL CIT J. PET. TECHNOL.

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ACCESSION NO. 75J0002603
 TITLE ELECTRICAL RESISTIVITY IN GEOTHERMAL EXPLORATION
 AUTHORS MEIDAV, T.; BANWELL, J.
 PUB DESC GEOPHYSICS, V. 38, NO. 1, P. 184
 DATE 1973
 JOURNAL CIT GEOPHYSICS

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ACCESSION NO. 75J0002594
 TITLE ELECTRICAL RESISTIVITY TECHNIQUES IN GEOTHERMAL EXPLORATION
 AUTHORS MEIDAV, T.
 PUB DESC GEOTHERM. ENERGY MAG., V. 2, NO. 4, PP. 27-32
 DATE APR 1974
 JOURNAL CIT GEOTHERM. ENERGY MAG.

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ACCESSION NO. 75J0000506
 TITLE APPLICATION OF ELECTRICAL RESISTIVITY AND GRAVIMETRY IN DEEP
 GEOTHERMAL EXPLORATION
 AUTHORS MEIDAV, T.
 AUTHOR AFF INST. OF GEOPHYSICS AND PLANETARY PHYSICS, UNIV. OF CA,
 RIVERSIDE, CA
 PUB DESC GEOTHERMICS, NO. 2, PP. 303-10
 DATE 1976
 JOURNAL CIT GEOTHERMICS

81/3/000001-000033// 69
 ACCESSION NO. 8100073256
 TITLE(MONO) REINJECTION STUDIES OF VAPOR-DOMINATED SYSTEMS
 EDITOR OR COMP SCHRUEDER, R.C.; O'SULLIVAN, M.J.; PROESS, K.; CELATI, R.;
 RUFFILLI, J.C.
 CORPORATE AUTH LAWRENCE BERKELEY LAB., CA (USA)
 SEC REPT NO CONF-801098--3
 AVAILABILITY NTIS, PC A04/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE 2. DOE-ENERGY WORKSHOP FOR COOPERATIVE RESEARCH IN GEOTHERMAL
 ENERGY
 CONF PLACE BERKELEY, CA, USA
 CONF DATE 20 OCT 1980
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26/7/000001-00003207// 70
 ACCESSION NO. 70C 11002
 TITLE(MONO) INJECTION AT RAFT RIVER: AN ENVIRONMENTAL CONCERN
 EDITOR OR COMP SPENCER, S.G.
 CORPORATE AUTH IDAHO NATIONAL ENGINEERING LAB., IDAHO FALLS (USA)
 PAGE NO 4
 AVAILABILITY OEP, NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT LY-70-C-07-1570
 CONF TITLE GEOTHERMAL RESOURCES COUNCIL ANNUAL MEETING
 CONF PLACE RENO, NV, USA
 CONF DATE 24 SEP 1979
 DATE 1979
 LUMP NOTE PORTIONS OF DOCUMENT ARE ILLEGIBLE
 REPORT NO CONF-790900--727

81/3/000001-000033// 71
 ACCESSION NO. 79C00067600
 TITLE(MONO) STUDIES OF FLOW PROBLEMS WITH THE SIMULATOR SHAFT7c
 EDITOR OR COMP PROESS, K.; SCHRUEDER, R.C.; ZERZAN, J.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA), LAWRENCE BERKELEY LAB.
 SEC REPT NO CONF-791222--3
 AVAILABILITY OEP, NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE 4. WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING
 CONF PLACE STANFORD, CA, USA
 CONF DATE 13 DEC 1978
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3. Generic Modeling Techniques for Prediction of Fluid Migration

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ACCESSION NO. 82C0019423
 TITLE(MONO) INTEGRATED MODEL FOR THE NATURAL FLOW REGIME IN THE CERRO
 PRIETO HYDROTHERMAL SYSTEM, B.C., MEXICO, BASED UPON
 PETROLOGICAL AND ISOTOPE GEOCHEMICAL CRITERIA
 EDITOR OR COMP ELDEB, W.A.; WILLIAMS, A.E.; HOAGLAND, J.R.
 CORPORATE AUTH CALIFORNIA UNIV., RIVERSIDE (USA). INST. OF GEOPHYSICS AND
 PLANETARY PHYSICS
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 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT AT03-80SF11458
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 CONF PLACE SAN FRANCISCO, CA, USA
 CONF DATE MAR 1981
 DATE 1981
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ACCESSION NO. 8200011195
 REPORT NO. PAGE LBL--11500 PP. 1-31
 TITLE EVALUATION OF WELL-TO-WELL TRACERS FOR GEOTHERMAL RESERVOIRS.
 PART 1: LITERATURE SURVEY
 AUTHORS VETTER, O.J.; ZINNOW, K.P.
 AUTHOR AFF VETTER RESEARCH, COSTA MESA, CA
 TITLE(MONO) EVALUATION OF WELL-TO-WELL TRACERS FOR GEOTHERMAL RESERVOIRS
 EDITOR OR COMP VETTER, O.J.; ZINNOW, K.P.
 SEC REPT NO GREMP--14; DEB2003890
 AVAILABILITY NTIS, PC A04/MF A01.
 DATE AUG 1981
 REPORT NO LBL--11500
 ORDER NUMBER DEB2003890

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ACCESSION NO. 82J0010041
 TITLE FLUID FLOW IN POROUS MEDIA--PROBLEMS IN RELATING EXPERIMENTS TO
 FIELD PROJECTS
 AUTHORS FARUQ ALI, S.M.; DONOHUE, D.A.T.; STAHL, C.D.
 AUTHOR AFF PENNSYLVANIA STATE UNIV
 PUB DESC 7TH WORLD PETR. CONGR., MEXICO, NO. PD-8(2), P. VP
 DATE 1987
 JOURNAL CIT 7TH WORLD PETR. CONGR., MEXICO

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ACCESSION NO. 82J0009906
 TITLE METHOD FOR PREDICTING FLOW BEHAVIOR IN A THREE-DIMENSIONAL
 HETEROGENEOUS RESERVOIR
 AUTHORS SLATER, G.E.; FARUQ ALI, S.M.
 AUTHOR AFF PENNSYLVANIA STATE UNIV.
 PUB DESC PROD. MUN., V. 32, NO. 4, PP. 3-12
 DATE APR 1968
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ACCESSION NO. 82C0009855
 TITLE APPLICATION OF THE TRANSPORT EQUATIONS TO A GROUNDWATER SYSTEM
 AUTHORS BREDEHOEFT, J.D.; PINDER, G.F.
 TITLE(MONO) PROCEEDINGS OF 24TH INTERNATIONAL GEOLOGICAL CONGRESS SESSION,
 MONTREAL, QUEBEC, 21-30 AUGUST 1972
 SEC REPT NO CONF-720610--
 CONF TITLE 24. INTERNATIONAL GEOLOGICAL CONGRESS
 CONF PLACE MONTREAL, QUEBEC, CANADA
 CONF DATE 21 AUG 1972
 PUBL LOC GEOLOGICAL SURVEY, WASHINGTON, DC
 DATE 1972

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ACCESSION NO. 82J0009607
 TITLE UNSTEADY-STATE WATER INFUX IN ELLIPTIC AND ANISOTROPIC
 RESERVOIR/AQUIFER SYSTEMS
 AUTHORS KUCUK, F.; BRIGHAM, W.E.
 AUTHOR AFF STANFORD UNIV., CA
 PUB DESC SPEJ, SOC. PET. ENG. J., V. 21, NO. 3, PP. 309-314
 DATE JUN 1981

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99/3/0000001-0000137// 7

ACCESSION NO. 82C0001055

TITLE GEOCHEMISTRY APPLIED TO GEOTHERMAL RESOURCES EXPLORATION AND PRODUCTION

AUTHORS FOURNIER, R.O.

AUTHOR AFF US GEOLOGICAL SURVEY, MENLO PARK, CA

TITLE(MONO) FIRST SINO/US GEOTHERMAL RESOURCES CONFERENCE

SEC REPT NO CONF-810471--

CONF TITLE 1. SINO/US. GEOTHERMAL RESOURCES CONFERENCE

CONF PLACE TIANJIN, CHINA

CONF DATE 5 APR 1981

PUBL LOC OREGON INSTITUTE OF TECHNOLOGY, KLAMATH FALLS, OR

DATE 1981

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ACCESSION NO. 82R0001044

TITLE(MONO) FLOW IN GEOTHERMAL WELLS: PART III. CALCULATION MODEL FOR SELF-FLOWING WELL

EDITOR OR COMP 9ILICKI, Z.; KESTIN, J.; MICHAELIDES, E.S.

CORPORATE AUTH BROWN UNIV., PROVIDENCE, RI (USA). DIV. OF ENGINEERING

SEC REPT NO DE82001006

AVAILABILITY NTIS, PC A05/MF A01.

CONTRACT NO CONTRACT AC02-79ET27225

DATE JUN 1981

REPORT NO DOE/ET/27225--8

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ACCESSION NO. 82J0000452

TITLE STUDY OF A THERMAL DISCONTINUITY IN WELL TEST ANALYSIS

AUTHORS MANGOLD, D.C.; TSANG, C.F.; LIPPMANN, M.J.; WITHERSPOON, P.A.

AUTHOR AFF UNIV OF CALIF, BERKELEY

PUB DESC J. PET. TECHNOL., V. 33, NO. 6, PP. 1095-1105

DATE JUN 1981

JOURNAL CIT J. PET. TECHNOL.

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ACCESSION NO. 81J0128536

TITLE GENERALIZED THEORY ON HYDRODYNAMIC DISPERSION IN POROUS MEDIA

AUTHORS BEAR, J.; EAGHAT, Y.

AUTHOR AFF TECHNION ISRAEL INST TECHNOL; WATER PLANNING ISRAEL LTD.

PUB DESC INT. UNION GEOD. GEOPHYS. PUBL., NO. 72, PP. 7-16

DATE 1967

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ACCESSION NO. 81J0128530

TITLE FLUID FLOW IN POROUS MEDIA--PROBLEMS IN RELATING EXPERIMENTS TO FIELD PROJECTS

AUTHORS FAROUQ ALI, S.M.; DONOHUE, D.A.T.; STAHL, C.D.

AUTHOR AFF PENNSYLVANIA STATE UNIV

PUB DESC 7TH WORLD PETR. CONGR., MEXICO, NO. PD-8(2), P. VP

DATE 1967

JOURNAL CIT 7TH WORLD PETR. CONGR., MEXICO

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ACCESSION NO. 81C0115448

REPORT NO, PAGE LBL--11506 PP. 102-110

TITLE NUMERICAL MODEL CCC

AUTHORS BOVARSSON, G.S.; LIPPMANN, M.J.

AUTHOR AFF LAWRENCE BERKELEY LAB., CA

TITLE(MONO) PROCEEDINGS OF THE WORKSHOP ON NUMERICAL MODELING OF THERMOHYDROLOGICAL FLOW IN FRACTURED ROCK MASSES

CORPORATE AUTH LAWRENCE BERKELEY LAB., CA (USA)

SEC REPT NO CONF-800267--

AVAILABILITY NTIS, PC A07/MF A01.

CONF TITLE WORKSHOP ON NUMERICAL MODELING OF THERMOHYDROLOGICAL FLOW IN FRACTURED ROCK MASSES

CONF PLACE BERKELEY, CA, USA

CONF DATE 19 FEB 1980

DATE SEP 1980

REPORT NO LBL--11506

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ACCESSION NO. 81C0114968
 REPORT NO., PAGE LBL--11566 PP. 16-32
 TITLE MULTIDIMENSIONAL NUMERICAL SIMULATION OF FLUID FLOW IN
 FRACTURED POROUS MEDIA
 AUTHORS NARASIMHAN, T.N.
 AUTHOR AFF LAWRENCE BERKELEY LAB., CA
 TITLE (MONO) PROCEEDINGS OF THE WORKSHOP ON NUMERICAL MODELING OF
 THERMOHYDROLOGICAL FLOW IN FRACTURED ROCK MASSES
 CORPORATE AUTH LAWRENCE BERKELEY LAB., CA (USA)
 SEC REPT NO CONF-800267--
 AVAILABILITY NTIS, PC A07/MF A01.
 CONF TITLE WORKSHOP ON NUMERICAL MODELING OF THERMOHYDROLOGICAL FLOW IN
 FRACTURED ROCK MASSES
 CONF PLACE BERKELEY, CA, USA
 CONF DATE 19 FEB 1980
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14

ACCESSION NO. 81C0112247
 TITLE (MONO) ANALYSIS OF COLUMN TRACER EXPERIMENTS BY A
 STOCHASTIC-CONVECTIVE TRANSPORT METHOD
 EDITOR OR COMP SIMMONS, C.S.
 CORPORATE AUTH BATTELLE PACIFIC NORTHWEST LABS., RICHLAND, WA (USA)
 SEC REPT NO CONF-810761--1
 AVAILABILITY NTIS, PC A03/MF A01.
 CONTRACT NO CONTRACT AC06-76RL01830
 CONF TITLE AGU CHAPMAN CONFERENCE ON SPATIAL VARIABILITY IN HYDROLOGY
 CONF PLACE FORT COLLINS, CO, USA
 CONF DATE 21 JUL 1981
 DATE APR 1981
 REPORT NO PNL-SA--9478
 ORDER NUMBER DEB1030088

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ACCESSION NO. 81R0109907
 TITLE (MONO) TECHNIQUES FOR GEOTHERMAL LIQUID SAMPLING AND ANALYSIS
 EDITOR OR COMP KINDLE, C.H.; WOODRUFF, E.M.
 CORPORATE AUTH BATTELLE PACIFIC NORTHWEST LABS., RICHLAND, WA (USA)
 AVAILABILITY NTIS, PC A06/MF A01.
 CONTRACT NO CONTRACT AC06-76RL01830
 DATE JUL 1981
 REPORT NO PNL--3801
 ORDER NUMBER DEB1030151

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ACCESSION NO. 81C0109899
 REPORT NO., PAGE LBL--11566 PP. 90-98
 TITLE GEOTHERMAL RESERVOIR SIMULATION CAPABILITIES AT SYSTEMS,
 SCIENCE, AND SOFTWARE
 AUTHORS PRITCHETT, J.W.
 AUTHOR AFF SYSTEMS, SCIENCE, AND SOFTWARE, LA JOLLA, CA
 TITLE (MONO) PROCEEDINGS OF THE WORKSHOP ON NUMERICAL MODELING OF
 THERMOHYDROLOGICAL FLOW IN FRACTURED ROCK MASSES
 SEC REPT NO CONF-800267--
 AVAILABILITY NTIS, PC A07/MF A01.
 CONF TITLE WORKSHOP ON NUMERICAL MODELING OF THERMOHYDROLOGICAL FLOW IN
 FRACTURED ROCK MASSES
 CONF PLACE BERKELEY, CA, USA
 CONF DATE 19 FEB 1980
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 REPORT NO LBL--11566
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ACCESSION NO. 81C0109896
 REPORT NO., PAGE LBL--11566 PP. 99-101
 TITLE SHAFT79
 AUTHORS PROESS, K.
 AUTHOR AFF LAWRENCE BERKELEY LAB., CA

TITLE(MONO)	PROCEEDINGS OF THE WORKSHOP ON NUMERICAL MODELING OF THERMOHYDROLOGICAL FLOW IN FRACTURED ROCK MASSES
SEC REPT NO	CONF-800267--
AVAILABILITY	NTIS, PC AG7/MF AC1.
CONF TITLE	WORKSHOP ON NUMERICAL MODELING OF THERMOHYDROLOGICAL FLOW IN FRACTURED ROCK MASSES
CONF PLACE	BERKELEY, CA, USA
CONF DATE	19 FEB 1980
DATE	SEP 1980
REPORT NO	LBL-11566
ORDER NUMBER	DE81029947

ACCESSION NO.	81B0149391
TITLE(MONO)	DIGITAL COMPUTER MODELING FOR ESTIMATING MINE-DRAINAGE PROBLEMS
TITLE(SERIAL)	COLORADO GEOLOGICAL SURVEY REPORT OPEN FILE NO. 5
EDITOR OR COMP	COFFIN, D.L.; BREDEHUEFT, J.D.
PUBL LOC	COLORADO GEOLOGICAL SURVEY, DENVER, CO
DATE	1973

ACCESSION NO.	81C0098163
TITLE	RAFT RIVER GEOTHERMAL SITE: A REINJECTION STUDY
AUTHORS	AHMED, U.; WULGEMUTH, K.M.; ABQU-SAYED, A.S.; SCHATZ, J.F.; JONES, A.H.
AUTHOR AFF	TERRA TEK, INC., SALT LAKE CITY, UT
PUB DESC	TRANS. - GEOTHERM. RESOUR. COUNC., V. 4, PP. 385-388
SEC REPT NO	CONF-800920--
CONTRACT NO	CONTRACT AC07-77ET29301
CONF TITLE	GEOTHERMAL RESOURCE COUNCIL ANNUAL MEETING
CONF PLACE	SALT LAKE CITY, UT, USA
CONF DATE	9 SEP 1980
DATE	SEP 1980
JOURNAL CIT	TRANS. - GEOTHERM. RESOUR. COUNC.

ACCESSION NO.	81C0098071
TITLE	THREE-DIMENSIONAL MODEL OF EAST MESA HYDROTHERMAL SYSTEM
AUTHORS	RINEY, T.D.; PRITCHETT, J.W.; RICE, L.F.
AUTHOR AFF	SYSTEMS, SCIENCE AND SOFTWARE, LA JOLLA, CA
PUB DESC	TRANS. - GEOTHERM. RESOUR. COUNC., V. 4, PP. 467-470
SEC REPT NO	CONF-800920--
CONF TITLE	GEOTHERMAL RESOURCE COUNCIL ANNUAL MEETING
CONF PLACE	SALT LAKE CITY, UT, USA
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ACCESSION NO.	81C0098062
TITLE	GEOTHERMAL RESERVOIR MODELING: A REVIEW OF APPROACHES
AUTHORS	CASTANIER, L.; SANYAL, S.K.
AUTHOR AFF	STANFORD UNIV., CA
PUB DESC	TRANS. - GEOTHERM. RESOUR. COUNC., V. 4, PP. 313-316
SEC REPT NO	CONF-800920--
CONF TITLE	GEOTHERMAL RESOURCE COUNCIL ANNUAL MEETING
CONF PLACE	SALT LAKE CITY, UT, USA
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ACCESSION NO.	81C0097165
TITLE(MONO)	PREDICTION OF TRACER BEHAVIOR IN FIVE-SPOT FLOW
TITLE(SERIAL)	SPE1130
EDITOR OR COMP	BRIGHAM, W.E.; SMITH, D.H. JR.
SEC REPT NO	CONF-850572--
CONF TITLE	SOCIETY OF PETROLEUM ENGINEERS PRODUCTION RESEARCH SYMPOSIUM
CONF PLACE	TULSA, OK, USA
CONF DATE	3 MAY 1965
PUBL LOC	AMERICAN INSTITUTE OF MECHANICAL ENGINEERS, NEW YORK, NY
DATE	1965

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ACCESSION NO. 81C0085076
 TITLE(MONO) WATER DISTRIBUTION AND MOVEMENT IN AN UNSATURATED PIEDMONT SOIL PROFILE
 EDITOR OR COMP LIGON, J.T.; FILLON, T.V.; ALLEN, J.F.; KING, T.G.; SINCH, G.P.
 CORPORATE AUTH CLEMSON UNIV., SC (USA). WATER RESOURCES RESEARCH INST.
 PAGE NO 112
 AVAILABILITY NTIS, PC A00/MF A01.
 CONTRACT NO CONTRACT 01-14-31-1 1-3 41
 DATE JAN 1980
 REPORT NO PE-01-11390--
 ACCESSION NO. 81C0085076
 REPORT NO,PAGE CONF-801217 PP. 187-196
 TITLE FRACTURE FLOW MODELING FOR LOW-LEVEL NUCLEAR WASTE DISPOSAL
 AUTHORS KANEHIRO, B.Y.; WILSON, C.R.; GUVANASEN, V.; WITHERSPOON, P.A.
 AUTHOR AFF LAWRENCE BERKELEY LAB., CA
 TITLE(MONO) MODELING AND LOW-LEVEL WASTE MANAGEMENT: AN INTERAGENCY WORKSHOP
 EDITOR OR COMP LITTLE, C.A.; STRATTON, L.E.
 ED AFF COMPS.
 CORPORATE AUTH OAK RIDGE NATIONAL LAB., TN (USA)
 AVAILABILITY NTIS, PC A17/MF A01.
 CONF TITLE SYMPOSIUM ON MODELING AND LOW-LEVEL WASTE MANAGEMENT
 CONF PLACE DENVER, CO, USA
 CONF DATE 1 DEC 1980
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ACCESSION NO. 81C0079678
 REPORT NO,PAGE LBL-12076 PP. 110-119
 TITLE THERMAL EFFECTS IN WELLTESTS OF FRACTURED RESERVOIRS
 AUTHORS BUDVARSSON, G.S.; TSANG, C.F.
 AUTHOR AFF LAWRENCE BERKELEY LAB., CA
 TITLE(MONO) THIRD INVITATIONAL WELL-TESTING SYMPOSIUM: WELL TESTING IN LOW PERMEABILITY ENVIRONMENTS
 EDITOR OR COMP DUE, T.W.; SCHWARZ, W.J.
 CORPORATE AUTH LAWRENCE BERKELEY LAB., CA (USA)
 SEC REPT NO CONF-800344--
 AVAILABILITY NTIS, PC A09/MF A01.
 CONF TITLE J. INVITATIONAL WELL TESTING SYMPOSIUM
 CONF PLACE OAKLAND, CA, USA
 CONF DATE 26 MAR 1980
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 REPORT NO LBL-12076

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ACCESSION NO. 81R0079601
 TITLE(MONO) INFLUENCE OF LATERAL MASS EFFLUX ON FREE CONVECTION BOUNDARY LAYERS IN A SATURATED POROUS MEDIUM. TECHNICAL REPORT NO. 13
 EDITOR OR COMP CHENG, P.
 CORPORATE AUTH HAWAII UNIV., HONOLULU (USA). DEPT. OF MECHANICAL ENGINEERING
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT AC03-76ET28302
 DATE 28 APR 1976
 REPORT NO DOE/ET/28302-T8

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ACCESSION NO. 81R0078963
 TITLE(MONO) ENVIRONMENTAL-PROTECTION EVALUATION FOR VAUGHN ZONE WELL-INJECTION STUDY: DEEP-RELEASE APPLICATIONS
 EDITOR OR COMP STUPKA, R.C.
 CORPORATE AUTH ROCKWELL INTERNATIONAL CORP., RICHLAND, WA (USA). ROCKWELL HANFORD OPERATIONS
 AVAILABILITY NTIS, PC A03/MF A01.
 CONTRACT NO CONTRACT AC06-77RL0130
 DATE AUG 1980
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 ORDER NUMBER DE01024401

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ACCESSION NO. 81C0076008
 TITLE(MONO) NEW APPROACHES TO PROBLEMS OF FLUID FLOW IN FRACTURED-ROCK MASSES
 EDITOR OR COMP WITHERSPOON, P.A.; TSANG, Y.W.; LONG, J.C.S.; NOURISHAD, J.

CORPORATE AUTH LAWRENCE BERKELEY LAB., CA (USA)
 SEC REPT NO CONF-810624--7
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE 22. US SYMPOSIUM ON ROCK MECHANICS
 CONF PLACE CAMBRIDGE, MA, USA
 CONF DATE 29 JUN 1981
 DATE MAR 1981
 REPORT NO LBL-12511

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ACCESSION NO. 81C0073256
 TITLE(MONO) REINJECTION STUDIES OF VAPOR-DOMINATED SYSTEMS
 EDITOR OR COMP SCHRÖDER, R.C.; O'SULLIVAN, M.J.; PROESS, K.; CELATI, R.;
 RUFFILLI, C.
 CORPORATE AUTH LAWRENCE BERKELEY LAB., CA (USA)
 SEC REPT NO CONF-801098--3
 AVAILABILITY NTIS, PC A04/MF A01.
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 CONF TITLE 2. DOE-ENEL WORKSHOP FOR COOPERATIVE RESEARCH IN GEOTHERMAL
 ENERGY
 CONF PLACE BERKELEY, CA, USA
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ACCESSION NO. 81C0073231
 TITLE(MONO) PERFORMANCE MATCHING AND PREDICTION FOR SERRAZZANO GEOTHERMAL
 RESERVOIR BY MEANS OF NUMERICAL SIMULATION
 EDITOR OR COMP PROESS, K.; WERES, D.
 CORPORATE AUTH LAWRENCE BERKELEY LAB., CA (USA)
 SEC REPT NO CONF-801098--2
 AVAILABILITY NTIS, PC A04/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE 2. DOE-ENEL WORKSHOP FOR COOPERATIVE RESEARCH IN GEOTHERMAL
 ENERGY
 CONF PLACE BERKELEY, CA, USA
 CONF DATE 20 OCT 1980
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ACCESSION NO. 81C0070177
 TITLE(MONO) GEOLOGIC FLOW CHARACTERIZATION USING TRACER TECHNIQUES
 EDITOR OR COMP KLETT, R.D.; TYNER, C.E.; HERTEL, E.S. JR.
 CORPORATE AUTH SANDIA NATIONAL LABS., ALBUQUERQUE, NM (USA); DIKEWOOD CORP.,
 ALBUQUERQUE, NM (USA)
 AVAILABILITY NTIS, PC A05/MF A01.
 CONTRACT NO CONTRACT AC04-76DP00789
 DATE APR 1981
 REPORT NO SAND-80-0454

32

ACCESSION NO. 81C0061827
 TITLE(MONO) SENSITIVITY OF GEOTHERMAL RESERVOIR BEHAVIOR TO RELATIVE
 PERMEABILITY PARAMETERS
 EDITOR OR COMP BOGVARSSON, G.S.; O'SULLIVAN, M.J.; TSANG, C.F.
 CORPORATE AUTH LAWRENCE BERKELEY LAB., CA (USA)
 SEC REPT NO CONF-801233--8
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE 6. ANNUAL WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING
 CONF PLACE STANFORD, CA, USA
 CONF DATE 10 DEC 1980
 DATE DEC 1980
 REPORT NO LBL-12040

33

ACCESSION NO. 81C0054293
 TITLE PRESSURE TRANSIENT ANALYSIS OF GEOTHERMAL WELLS WITH PHASE
 BOUNDARIES
 AUTHORS HORNE, R.N.; SATMAN, A.; GRANT, I.A.
 AUTHOR AFF TECH UNIV OF ISTANBUL, TURK

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CONTINUATION

PUB DESC SOC. PET. ENG. AIME, PAP., NO. 9274, P. VP
 SEC REPT NO CONF-800931--
 CONF TITLE 55. SOCIETY OF PETROLEUM ENGINEERS OF AIME ANNUAL TECHNICAL
 CONFERENCE AND EXHIBITION
 CONF PLACE DALLAS, TX, USA
 CONF DATE 21 SEP 1980
 DATE 1980
 JOURNAL CIT SOC. PET. ENG. AIME, PAP.

34

ACCESSION NO. 81C0044062
 TITLE COMPUTATION OF THE THREE-DIMENSIONAL GEOMETRY OF HYDRAULIC
 FRACTURES
 AUTHORS CLIFTON, R.J.; ABDOU-SAYED, A.S.
 TITLE(MONO) SPE-AIME SYMPOSIUM ON LOW-PERMEABILITY GAS RESERVOIRS
 SEC REPT NO CONF-790514--
 CONF TITLE SYMPOSIUM ON LOW-PERMEABILITY GAS RESERVOIRS
 CONF PLACE DENVER, CO, USA
 CONF DATE 20 MAY 1979
 PUBL LOC AMERICAN INSTITUTE OF MINING, METALLURGICAL, AND PETROLEUM
 ENGINEERS, INC., DALLAS, TX
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ACCESSION NO. 81C0038318
 TITLE(MONO) INTERWELL TRACER ANALYSES OF A HYDRAULICALLY FRACTURED GRANITIC
 GEOTHERMAL RESERVOIR
 TITLE(SERIAL) SPE 827
 EDITOR OR COMP TESTER, J.W.; POTTER, R.M.
 SEC REPT NO LA-UR--79-2005
 AVAILABILITY AMERICAN INSTITUTE MINING AND METALLURGICAL ENGINEERS,
 INCORPORATED, NEW YORK, NY.
 CONF TITLE 54. ANNUAL FALL TECHNICAL CONFERENCE AND EXHIBITION OF THE
 SOCIETY OF PETROLEUM ENGINEERS OF AIME
 CONF PLACE LAS VEGAS, NV (USA)
 CONF DATE 23 SEP 1979
 PUBL LOC SOCIETY OF PETROLEUM ENGINEERS, DALLAS, TX
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ACCESSION NO. 81C0038315
 TITLE PRACTICAL ANALYTICAL MODEL FOR GEOTHERMAL RESERVOIRS SIMULATION
 AUTHORS CASTANIER, L.M.; SANYAL, S.K.; BRIGHAM, W.E.
 AUTHOR AFF STANFORD UNIV., CA
 PUB DESC SOC. PET. ENG. AIME, PAP., NO. 8887, PP. 1-6
 CONF TITLE 57. ANNUAL CALIFORNIA REGIONAL MEETING OF THE SOCIETY OF
 PETROLEUM ENGINEERS OF AIME
 CONF PLACE LOS ANGELES, CA, USA
 CONF DATE 9 APR 1980
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37

ACCESSION NO. 81C0038261
 TITLE(MONO) NUMERICAL STUDIES OF THE ENERGY SWEEP IN FIVE-SPOT GEOTHERMAL
 PRODUCTION/INJECTION SYSTEMS
 EDITOR OR COMP O'SULLIVAN, M.J.; PRUESS, K.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 SEC REPT NO CONF-801233--5
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE 6. ANNUAL WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING
 CONF PLACE STANFORD, CA, USA
 CONF DATE 16 DEC 1980
 DATE DEC 1980
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ACCESSION NO. 81C0030853
 TITLE(MONO) PREDICTION OF TRACER BEHAVIOR IN FIVE-SPOT FLOW
 TITLE(SERIAL) NO. SPE1130
 EDITOR OR COMP BRIGHAM, W.E.; SMITH, D.H.
 CONF TITLE 40. ANNUAL SOCIETY OF PETROLEUM ENGINEERS OF AIME FALL MEETING
 CONF PLACE DENVER, CO, USA

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CONF DATE 3 OCT 1965
PUBL LOC ASME, NEW YORK, NY
DATE 1965

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TITLE CHECK LIST FOR NEW INJECTION PROJECTS. PART 2
AUTHORS GRUBB, W.E.
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DATE DEC 1964
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TITLE ON THE MOVEMENT OF WATER BODIES INJECTED INTO AQUIFERS
AUTHORS BEAR, J.; JACOBS, M.
PUB DESC J. HYDROL., V. 3, NO. 1, PP. 37-57
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EDITOR OR COMP TSANG, C.F.; HOPKINS, D.; HELLSTROM, G.
CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
AVAILABILITY NTIS, PC A03/MF A01.
CONTRACT NO CONTRACT W-7405-ENG-48
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REPORT NO,PAGE CONF-7709210 PP. 308-326
TITLE STUDY OF EFFECT OF REINJECTION WITH A MATHEMATICAL MODEL
AUTHORS CELATI, R.; MCDOWARDS, D.; RUFFILLI, C.; SCHROEDER, R.; WERES, D.; WITHERSPOON, P.
AUTHOR AFF CNR, PISA, ITALY
TITLE(MONO) GEOTHERMAL RESOURCE ASSESSMENT AND RESERVOIR ENGINEERING
AVAILABILITY NTIS, PC A19/MF A01.
CONF TITLE DOE WORKSHOP ON GEOTHERMAL RESOURCES ASSESSMENT AND RESERVOIR ENGINEERING
CONF PLACE LARDERELLO, ITALY
CONF DATE 12 SEP 1977
DATE 1977
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ACCESSION NO. 81RG06775
TITLE(MONO) RULES OF PORE PRESSURE AND FLUID FLOW IN THE HYDRAULIC FRACTURE PROCESS
EDITOR OR COMP PALEN, W.A.; NARASIMHAN, T.N.
CORPORATE AUTH LAWRENCE BERKELEY LAB., CA (USA)
AVAILABILITY NTIS, PC A10/MF A01.
CONTRACT NO CONTRACT W-7405-ENG-40 THESIS JUN 1981

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TITLE PRESSURE TRANSIENT ANALYSIS FOR TWO-PHASE (WATER/STEAM) GEOTHERMAL RESERVOIRS
AUTHORS GARG, S.K.
PUB DESC SOC. PET. ENG. J., V. 20, NO. 3, PP. 206-214
DATE JUN 1980
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ACCESSION NO. 81RG009387
TITLE(MONO) GEOTHERMAL RESERVOIR ENGINEERING COMPUTER CODE COMPARISON AND VALIDATION USING THE GEONZ SIMULATOR PROGRAM
EDITOR OR COMP HORNE, R.N.; OGGE, D.O.; TEMENG, K.; RAMEY, H.J. JR.
CORPORATE AUTH STANFORD UNIV., CA (USA)
AVAILABILITY NTIS, PC A04/MF A01.
CONTRACT NO CONTRACT AC03-B0SF11450
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 TITLE(MONO) ANALYSIS OF FIVE-SPOT TRACER TESTS TO DETERMINE RESERVOIR LAYERING
 EDITOR OR COMP YUEN, D.L.; BRIGHAM, W.E.
 CORPORATE AUTH STANFORD UNIV., CA (USA). PETROLEUM RESEARCH INST.
 AVAILABILITY NTIS, PC A04/MF A01.
 CONTRACT NO CONTRACT AC03-76ET12056
 DATE SEP 1978
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ACCESSION NO. 80C0127540
 REPORT NO,PAGE CONF-800242 PP. 50-108
 TITLE FRACTURE DESIGN MODELLING
 AUTHORS CRICHLAW, H.B.
 AUTHOR AFF PETROLEUM TRAINING AND TECHNICAL SERVICES, NORMAN, OK
 TITLE(MONO) GEOTHERMAL RESERVOIR WELL STIMULATION SYMPOSIUM
 EDITOR OR COMP CRICHLAW, H.B. (ED.)
 AVAILABILITY NTIS, PC A11/MF A01.
 CONF TITLE SYMPOSIUM ON GEOTHERMAL WELL STIMULATION
 CONF PLACE SAN FRANCISCO, CA, USA
 CONF DATE 7 FEB 1980
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ACCESSION NO. 80U0122607
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 AUTHORS PALEN, W.A.; NARASIMHAN, T.N.
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 TITLE SIMULATION OF REINJECTION AT CERRO PRIETO USING AN IDEALIZED TWO-RESERVOIR GEOLOGICAL MODEL
 AUTHORS TSANG, C.F.; MANGOLD, D.C.; LIPPMANN, M.J.
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 REPORT NO,PAGE LBL--11236 PP. 44-52
 TITLE NUMERICAL MODELING STUDIES OF THE CERRO PRIETO RESERVOIR
 AUTHORS LIPPMANN, M.J.; GOYAL, K.P.
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 REPORT NO,PAGE UT/CES-CP--10(VOL.2 PP. 1000-1030
 TITLE REINJECTION OF FLUIDS INTO A PRODUCING GEOPRESSURED RESERVOIR
 AUTHORS GARG, S.K.
 AUTHOR AFF SYSTEMS, SCIENCE, AND SOFTWARE, LA JOLLA, CA
 TITLE(MONO) FOURTH UNITED STATES GULF COAST GEOPRESSURED-GEOTHERMAL ENERGY CONFERENCE: RESEARCH AND DEVELOPMENT
 EDITOR OR COMP DORFMAN, M.H.; FISHER, W.L. (EDS.)
 SEC REPT NO CONF-7910104--(VOL.2)
 AVAILABILITY NTIS, PC A24/MF A01.
 CONF TITLE 4. UNITED STATES GULF COAST GEOPRESSURED-GEOTHERMAL ENERGY CONFERENCE
 CONF PLACE AUSTIN, TX, USA
 CONF DATE 29 OCT 1979
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ACCESSION NO. 80C0116555
 TITLE(MONO) ANALYSIS OF WELL TESTS WITH VARIABLE DISCHARGE
 EDITOR UR COMP TSANG, C.F.; MCEWARDUS, D.G.; NARASIMHAN, T.N.; WITHERSPOON, P.A.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 SEC REPT NO CONF-761221--2
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE 2. WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING
 CONF PLACE STANFORD, CA, USA
 CONF DATE 1 DEC 1976
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ACCESSION NO. 80Y0113556
 TITLE PERMEABILITY CHARACTERIZATION OF NEARLY IMPERMEABLE ROCK MASSES
 FOR NUCLEAR WASTE REPOSITORY SITING
 AUTHORS WILSON, C.R.; DOE, T.W.; LONG, J.C.S.; WITHERSPOON, P.A.
 AUTHOR AFF CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 TITLE(MONO) LOW FLOW, LOW-PERMEABILITY MEASUREMENTS IN LARGELY IMPERMEABLE
 ROCKS
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 IMPERMEABLE ROCKS
 CONF PLACE PARIS, FRANCE
 CONF DATE 19 MAR 1979
 PUBL LOC OECD, PARIS, FRANCE
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ACCESSION NO. 80Y0112845
 TITLE TESTS OF POROUS PERMEABLE MEDIUM HYPOTHESIS FOR FLOW OVER LONG
 DISTANCES IN FRACTURED DEEP HARD ROCK
 AUTHORS BOURKE, P.J.; HODGKINSON, D.P.; GALE, J.E.; WITHERSPOON, P.A.
 AUTHOR AFF UKAEA ATOMIC ENERGY RESEARCH ESTABLISHMENT, HARWELL; WATERLOO
 UNIV., ONTARIO (CANADA)
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 REPORT NO, PAGE LBL--8648 PP. 139-143
 TITLE MATHEMATICAL MODELING OF THERMAL ENERGY STORAGE IN AQUIFERS
 AUTHORS TSANG, C.F.; BUSCHECK, T.; MANGOLD, D.C.; LIPPMANN, M.J.
 TITLE(MONO) EARTH SCIENCES DIVISION. ANNUAL REPORT 1978
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ACCESSION NO. 80U0110357
 REPORT NO, PAGE LBL--8648 PP. 77-79
 TITLE MATHEMATICAL SIMULATION OF THERMAL BREAKTHROUGH UNDER
 INJECTION: COMPARISON OF TWO TECHNIQUES
 AUTHORS NARASIMHAN, T.N.; JUPRASERT, S.; BODVARSSON, G.S.
 TITLE(MONO) EARTH SCIENCES DIVISION. ANNUAL REPORT 1978
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ACCESSION NO. 80C0105770
 REPORT NO, PAGE SCP-TR--40 PP. 189-196
 TITLE BLOCK RESPONSE TO REINJECTION IN A FRACTURED GEOTHERMAL
 RESERVOIR
 AUTHORS PINDER, G.F.; RAMEY, H.J. JR.; SHAPIRO, A.; ABRIOLA, L.

AUTHOR AFF PRINCETON UNIV., NJ
 TITLE(MONO) PROCEEDINGS OF FIFTH WORKSHOP ON GEOTHERMAL RESERVOIR
 ENGINEERING, DECEMBER 12-14, 1979
 EDITOR OR COMP RAMEY, H.J. JR.; KRUGER, P. (EDS.
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 CONF TITLE S. GEOTHERMAL RESERVOIR ENGINEERING WORKSHOP
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ACCESSION NO. 80C0105725
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 TITLE VALIDATION AND COMPARISON OF DIFFERENT MODELS OF THE WAIRAKEI
 GEOTHERMAL RESERVOIR
 AUTHORS SOREY, M.L.; JU FRAUKIN, L.
 AUTHOR AFF GEOLOGICAL SURVEY, MENLO PARK, CA
 TITLE(MONO) PROCEEDINGS OF FIFTH WORKSHOP ON GEOTHERMAL RESERVOIR
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ACCESSION NO. 80C0105722
 REPORT NO. PAGE SGP-TR--40 PP. 211-214
 TITLE PRELIMINARY MODEL OF THE EAST MESA HYDROTHERMAL SYSTEM
 AUTHORS RINEY, T.D.; PRITCHETT, J.W.; RICE, L.F.; GARG, S.K.
 AUTHOR AFF SYSTEMS, SCIENCE AND SOFTWARE, LA JOLLA, CA
 TITLE(MONO) PROCEEDINGS OF FIFTH WORKSHOP ON GEOTHERMAL RESERVOIR
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 CONF DATE 12 DEC 1979
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ACCESSION NO. 80C0105714
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 TITLE SEMI-ANALYTICAL DESCRIPTION OF TWO-PHASE FLOW NEAR PRODUCTION
 WELLS IN HYDROTHERMAL AND GEOPRESSURED RESERVOIRS
 AUTHORS PRITCHETT, J.W.
 AUTHOR AFF SYSTEMS, SCIENCE AND SOFTWARE, LA JOLLA, CA
 TITLE(MONO) PROCEEDINGS OF FIFTH WORKSHOP ON GEOTHERMAL RESERVOIR
 ENGINEERING, DECEMBER 12-14, 1979
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ACCESSION NO. 80C0094910
 TITLE(MONO) MODELS FOR GEOTHERMAL WELLS
 EDITOR OR COMP MICHAELIDES, E.E.
 CORPORATE AUTH BROWN UNIV., PROVIDENCE, RI (USA)
 AVAILABILITY NTIS, PC A17/MF A01.
 CONTRACT NO CONTRACT AC02-79ET27225
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 ACCESSION NO. 80C0094856
 TITLE(MONO) NUMERICAL MODELING STUDIES OF THE CERRO PRIETO RESERVOIR
 EDITOR OR COMP LIPPMANN, M.J.; GOYAL, K.P.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 SEC REPT NO CONF-7910166-13
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE 2. SYMPOSIUM ON THE CERRO PRIETO GEOTHERMAL FIELD
 CONF PLACE BAJA CALIFORNIA, MEXICO
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 TITLE(MONO) ANALYSIS OF INJECTION TESTING OF GEOTHERMAL RESERVOIRS
 EDITOR OR COMP O'SULLIVAN, M.; PRUESS, K.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 SEC REPT NO CONF-800920-22
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE GEOTHERMAL RESOURCE COUNCIL ANNUAL MEETING
 CONF PLACE SALT LAKE CITY, UT, USA
 CONF DATE 9 SEP 1980
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 ACCESSION NO. 80C0088777
 TITLE(MONO) INJECTION INTO A FRACTURED GEOTHERMAL RESERVOIR
 EDITOR OR COMP BUOVARSSON, G.S.; TSANG, C.F.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 SEC REPT NO CONF-800920-23
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE GEOTHERMAL RESOURCE COUNCIL ANNUAL MEETING
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 ACCESSION NO. 80R0088746
 TITLE(MONO) STUDY OF PARTIAL PENETRATION IN A TWO-LAYERED AQUIFER. 1.
 ANALYTICAL SOLUTION
 EDITOR OR COMP JAVANDEL, I.; WITHERSPOON, P.A.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 SEC REPT NO CONF-800920-23
 AVAILABILITY NTIS, PC A03/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
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 TITLE ESTIMATION OF INJECTION CAPACITY BY MEASUREMENT OF WATER
 PRESSURE IN REINJECTION WELL
 AUTHORS FUKUUA, M.; AOSAKI, K.; UNODERA, S.
 PUB DESC BUTSURI TANKU, V. 31, NO. 5, PP. 1-8
 DATE 1978
 JOURNAL CIT BUTSURI TANKU

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 ACCESSION NO. 80C0083159
 TITLE(MONO) SIMULATION OF REINJECTION AT CERRO PRIETO USING AN IDEALIZED
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 EDITOR OR COMP TSANG, C.F.; MANGOLD, D.C.; LIPPMANN, M.J.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 SEC REPT NO CONF-7910166-2
 AVAILABILITY NTIS, PC A02/MF A01.
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CONF PLACE BAJA CALIFORNIA, MEXICO
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ACCESSION NO. 80C0083138
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 EDITOR OR COMP IGLESIAS, E.R.; MERES, O.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 SEC REPT NO CONF-7910166-1
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE 2. SYMPOSIUM ON THE CERRO PRIETO GEOTHERMAL FIELD
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ACCESSION NO. 80C0080265
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 EDITOR OR COMP PIMENTEL, K.O.; CANDY, J.V.; AZEVEDO, S.G.; DOERR, T.A.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 SEC REPT NO CONF-7909138-1
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE INTERNATIONAL FEDERATION OF INFORMATION PROCESSING WORKING
 CONFERENCE ON SIMULATION AND THE ENVIRONMENT
 CONF PLACE BANGOR, UK
 CONF DATE 18 SEP 1979
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 TITLE(MONO) SHAFT78: A TWO-PHASE MULTIDIMENSIONAL COMPUTER PROGRAM FOR
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 EDITOR OR COMP PRUESS, K.; SCHROEDER, R.C.; WITHERSPOON, P.A.; ZERZAN, J.M.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 AVAILABILITY NTIS, PC A07/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
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 REPORT NO LBL-8264

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ACCESSION NO. 80Y0065389
 TITLE MODELING GEOTHERMAL SYSTEMS
 AUTHORS WITHERSPOON, P.A.; NEUMAN, S.P.; SUREY, M.L.; LIPPMANN, M.J.
 TITLE(MONO) IL FENOMENO GEOTERMICO E SUE APPLICAZIONI
 PUBL LOC ACCADEMIA NAZIONALE DEI LINCEI, ROME, ITALY
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 EDITOR OR COMP LIPPMANN, M.J.; TSANG, C.F.; WITHERSPOON, P.A.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 SEC REPT NO CONF-7704110-1
 AVAILABILITY DEP. NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE 47. ANNUAL CALIFORNIA REGIONAL MEETING OF THE SOCIETY OF
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 CONF DATE 13 APR 1977
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 TITLE(MONO) PARAMETER IDENTIFICATION IN GROUNDWATER FLOW: A FEASIBILITY
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EDITOR OR COMP AZEVEDO, S.G.; DUERR, T.A.; CANDY, J.V.; PIMENTEL, K.D.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 AVAILABILITY DEP. NTIS, PC A04/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 DATE 11 MAR 1980
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ACCESSION NO. 80J0054577
 TITLE RECIPROCITY PRINCIPLE IN FLUID FLOW THROUGH POROUS MEDIA
 AUTHORS FALADE, G.K.; BRIGHAM, W.E.
 AUTHOR AFF UNIV OF IBADAN, NIGER
 PUB DESC SOC. PET. ENG. J., V. 19, NO. 4, PP. 200-202
 DATE AUG 1979
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ACCESSION NO. 80R0042466
 TITLE(MONO) VALIDITY OF CUBIC LAW FOR FLUID FLOW IN A DEFORMABLE ROCK
 FRACTURE. TECHNICAL INFORMATION REPORT NO. 23
 EDITOR OR COMP #1THERSPON, P.A.; WANG, J.S.Y.; IWAI, K.; GALE, J.E.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 AVAILABILITY DEP. NTIS, PC A03/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
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ACCESSION NO. 80C0033900
 TITLE NEW APPROACH FOR PREDICTING THE THERMAL BEHAVIOR IN POROUS
 MEDIA DURING FLUID INJECTION
 AUTHORS SATMAN, A.; BRIGHAM, W.E.; ZOLOTUKHIN, A.B.
 AUTHOR AFF STANFORD UNIV., CA
 TITLE(MONO) EXPANDING THE GEOTHERMAL FRONTIER
 SEC REPT NO CONF-790906--
 CONF TITLE GEOTHERMAL RESOURCES COUNCIL ANNUAL MEETING
 CONF PLACE RENO, NV, USA
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 DATE 1979

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ACCESSION NO. 80C0033893
 TITLE(MONO) NUMERICAL MODEL OF TRANSIENT TWO-PHASE FLOW IN A WELLBORE
 EDITOR OR COMP MILLER, C.W.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 AVAILABILITY DEP. NTIS, PC A03/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
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ACCESSION NO. 80C0033849
 TITLE GEOTHERMAL WASTEWATER REINJECTION TRIALS, MAHIAO RESERVOIR,
 REPUBLIC OF THE PHILIPPINES
 AUTHORS DOBBIE, T.P.; MENZIES, A.J.
 AUTHOR AFF KINGSTON REYNOLDS THOM AND ALLARDICE LTD. (KKTA), AUCKLAND, NEW
 ZEALAND
 TITLE(MONO) EXPANDING THE GEOTHERMAL FRONTIER
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ACCESSION NO. 80C0033752
 TITLE LUMPED-PARAMETER NUMERICAL MODEL OF A TWO-PHASE GEOTHERMAL
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 AUTHORS CASTANIER, L.
 AUTHOR AFF STANFORD UNIV., CA
 TITLE(MONO) EXPANDING THE GEOTHERMAL FRONTIER
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 EDITOR OR COMP MARINE, I.W.
 CORPORATE AUTH DU PONT DE NEMOURS (E.I.) AND CO., AIKEN, SC (USA). SAVANNAH RIVER LAB.
 SEC REPT NO CONF-7910121-1
 AVAILABILITY DEP. NTIS, PC A03/MF A01.
 CONTRACT NO CONTRACT EY-76-C-09-0001
 CONF TITLE ANNUAL MEETING OF THE GEOLOGICAL SOCIETY OF AMERICA
 CONF PLACE SAN DIEGO, CA, USA
 CONF DATE 20 OCT 1979
 DATE 1979
 REPORT NO DP-MS--79-46

81

ACCESSION NO. 80R0020498
 TITLE(MONO) GEOTHERMOLOGICAL ENVIRONMENTAL EFFECTS OF GEOTHERMAL POWER PRODUCTION - PHASE IIB. FINAL REPORT, 1 JUNE 1975-30 NOVEMBER 1977
 EDITOR OR COMP PRITCHETT, J.W.
 CORPORATE AUTH SYSTEMS, SCIENCE AND SOFTWARE, LA JOLLA, CA (USA)
 AVAILABILITY NTIS, PC A07/MF A01.
 DATE APR 1978
 REPORT NO PB--294136

82

ACCESSION NO. 80C0010655
 TITLE(MONO) NUMERICAL MODELING OF CYCLIC STORAGE OF HOT WATER IN AQUIFERS
 EDITOR OR COMP TSANG, C.F.; LIPPMANN, M.J.; GORANSON, C.B.; WITHERSPOON, P.A.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 SEC REPT NO CONF-761229-4
 AVAILABILITY DEP. NTIS, PC A03/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE FALL MEETING OF THE AMERICAN GEOPHYSICAL UNION
 CONF PLACE SAN FRANCISCO, CA, USA
 CONF DATE 6 DEC 1976
 DATE DEC 1976
 REPORT NO LBL-5929

83

ACCESSION NO. 79J0135469
 TITLE TRANSIENT FLOW OF NON-NEWTONIAN POWER-LAW FLUIDS IN POROUS MEDIA
 AUTHORS IKOKU, C.U.; RAMEY, H.J. JR.
 AUTHOR AFF STANFORD UNIV, CALIF
 PUB DESC SOC. PET. ENG. J., V. 19, NO. 3, PP. 164-174
 DATE JUN 1979
 JOURNAL CIT SOC. PET. ENG. J.

84

ACCESSION NO. 79J0135406
 TITLE PERFORMANCE-PREDICTION PROCEDURE FOR TRANSIENT FLOW OF FLUIDS THROUGH PRESSURE-SENSITIVE FORMATIONS
 AUTHORS SAMANIEGO, F.; BRIGHAM, W.E.; MILLER, F.G.
 AUTHOR AFF INST MEX DEL PET, MEXICO CITY
 PUB DESC J. PET. TECHNOL., V. 31, NO. 6, PP. 779-786
 DATE JUN 1979
 JOURNAL CIT J. PET. TECHNOL.

85

ACCESSION NO. 79C0129818
 TITLE(MONO) STUDY OF THERMAL EFFECTS IN WELL TEST ANALYSIS
 EDITOR OR COMP MANGOLD, D.C.; TSANG, C.F.; LIPPMANN, M.J.; WITHERSPOON, P.A.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 SEC REPT NO CONF-790413-9
 AVAILABILITY DEP. NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48

CONF TITLE 54. ANNUAL TECHNICAL CONFERENCE AND EXHIBITION
 CONF PLACE LAS VEGAS, NV, USA
 CONF DATE 23 SEP 1979
 DATE SEP 1979
 REPORT NO LBL--9764

ACCESSION NO. 79J0120020
 TITLE NUMERICAL MODEL FOR SATURATED-UNSATURATED FLOW IN DEFORMABLE
 POROUS MEDIA. 2. THE ALGORITHM
 AUTHORS NARASIMHAN, T.N.; WITHERSPOON, P.A.; EDWARDS, A.L.
 AUTHOR AFF UNIV. OF CALIFORNIA, BERKELEY
 PUB DESC WATER RESOUR. RES., V. 14, NO. 2, PP. 255-261
 DATE APR 1978
 JOURNAL CIT WATER RESOUR. RES.

ACCESSION NO. 79U0116078
 REPORT NO. PAGE LBL--8883 PP. 47-57
 TITLE NUMERICAL MODELING STUDIES IN WELL TEST ANALYSIS
 AUTHORS ISANG, C.F.; ZERZAN, M.; BODVAKSSON, G.; LIPPMANN, M.; MANGOLD, D.; NARASIMHAN, T.N.; PRUESS, K.; SCHROEDER, R.
 AUTHOR AFF UNIV. OF CALIFORNIA, BERKELEY
 TITLE(MONO) SECOND INVITATIONAL WELL-TESTING SYMPOSIUM PROCEEDINGS
 SEC REPT NO CONF-7810170--
 CONF TITLE 2. INTERNATIONAL WELL-TESTING SYMPOSIUM
 CONF PLACE BERKELEY, CA, USA
 CONF DATE 25 OCT 1978
 DATE 1978
 REPORT NO LBL--8883

ACCESSION NO. 79U0116676
 REPORT NO. PAGE LBL--8883 PP. 15-28
 TITLE EXTRACTION--RE INJECTION AT AMUACHAPAN GEOTHERMAL FIELD
 AUTHORS CUELLAR, G.; CHOUSSEY, M.; ESCOBAR, D.
 AUTHOR AFF COMISION EJECUTIVA HIDROELECTRICA DEL RIO LEMPA, SAN SALVADOR, EL SALVADOR
 TITLE(MONO) SECOND INVITATIONAL WELL-TESTING SYMPOSIUM PROCEEDINGS
 SEC REPT NO CONF-7810170--
 CONF TITLE 2. INTERNATIONAL WELL-TESTING SYMPOSIUM
 CONF PLACE BERKELEY, CA, USA
 CONF DATE 25 OCT 1978
 DATE 1978
 REPORT NO LBL--8883

ACCESSION NO. 79C0116672
 TITLE(MONO) INTERWELL TRACER ANALYSES OF A HYDRAULICALLY FRACTURED GRANITIC
 GEOTHERMAL RESERVOIR
 EDITOR OR COMP TESTER, J.W.; POTTER, R.M.; BIVINS, R.L.
 CORPORATE AUTH LOS ALAMOS SCIENTIFIC LAB., NM (USA)
 SEC REPT NO CONF-790913--2
 AVAILABILITY OEP. NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-36
 CONF TITLE 54. ANNUAL TECHNICAL CONFERENCE AND EXHIBITION
 CONF PLACE LAS VEGAS, NV, USA
 CONF DATE 23 SEP 1979
 DATE 1979
 REPORT NO LA-UR--79-1987

ACCESSION NO. 79U0116641
 REPORT NO. PAGE LBL--8883 PP. 78-86
 TITLE GEOTHERMAL BRINE INJECTION EVALUATION METHODOLOGY
 AUTHORS QUONG, R.; UYEN, L.B.; TARDIFF, G.E.
 AUTHOR AFF UNIV. OF CALIFORNIA, LIVERMORE
 TITLE(MONO) SECOND INVITATIONAL WELL-TESTING SYMPOSIUM PROCEEDINGS
 SEC REPT NO CONF-7810170--
 CONF TITLE 2. INTERNATIONAL WELL-TESTING SYMPOSIUM
 CONF PLACE BERKELEY, CA, USA
 CONF DATE 25 OCT 1978
 DATE 1978
 REPORT NO LBL--8883

91

ACCESSION NO.	79C0110427
TITLE(MONO)	AUTOMATED SYSTEM FOR MEMBRANE FILTRATION AND CORE TESTS
EDITOR OR COMP	HASBROUCK, R.T.; OWEN, L.B.; NETHERTON, R.
CORPORATE AUTH	CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
SEC REPT NO	CONF-790906--16
AVAILABILITY	P 02/MF A01.
CONTRACT NO	CONTRACT W-7405-ENG-48
CONF TITLE	GEOHERMAL RESOURCES COUNCIL ANNUAL MEETING
CONF PLACE	RENO, NV, USA
CONF DATE	24 SEP 1979
DATE	2 JUL 1979
REPORT NO	UCRL-83009

92

ACCESSION NO.	79U0110391
REPORT NO,PAGE	LBL-8883 P. 121
TITLE	TWO AND THREE DIMENSIONAL FINITE-ELEMENT SIMULATION OF
	GEOHERMAL EXPLORATION WITH REINJECTION
AUTHORS	PINDER, G.F.; VOSS, C.I.
AUTHOR AFF	PRINCETON UNIV., NJ
TITLE(MONO)	SECOND INVITATIONAL WELL-TESTING SYMPOSIUM PROCEEDINGS
SEC REPT NO	CONF-7810170-
CONF TITLE	2. INTERNATIONAL WELL-TESTING SYMPOSIUM
CONF PLACE	BERKELEY, CA, USA
CONF DATE	25 UCT 1978
DATE	1978
REPORT NO	LBL-8883

93

ACCESSION NO.	79C0104156
TITLE(MONO)	NUMERICAL MODEL OF TRANSIENT TWO PHASE FLOW IN A GEOHERMAL WELL
EDITOR OR COMP	MILLER, C.W.
CORPORATE AUTH	CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
SEC REPT NO	CONF-790906--6
AVAILABILITY	P 02/MF A01.
CONTRACT NO	CONTRACT W-7405-ENG-48
CONF TITLE	GEOHERMAL RESOURCES COUNCIL ANNUAL MEETING
CONF PLACE	RENO, NV, USA
CONF DATE	24 SEP 1979
DATE	JUL 1979
REPORT NO	LBL-9056

94

ACCESSION NO.	79C0104090
TITLE(MONO)	STUDY OF THE STRUCTURAL CONTROL OF FLUID FLOW WITHIN THE CERRO
	PRIETO GEOHERMAL FIELD, BAJA CALIFORNIA, MEXICO
EDITOR OR COMP	NOBLE, J.E.; MANDON, M.A.; LIPPMANN, M.J.; WITHERSPOON, P.A.
CORPORATE AUTH	CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
SEC REPT NO	CONF-771014--4
AVAILABILITY	P 02/MF A01.
CONTRACT NO	CONTRACT W-7405-ENG-48
CONF TITLE	52. ANNUAL MEETING OF THE SOCIETY OF PETROLEUM ENGINEERS
CONF PLACE	DENVER, CO, USA
CONF DATE	9 UCT 1977
DATE	UCT 1977
REPORT NO	LBL-7001

ACCESSION NO.	79J0101612
TITLE	NUMERICAL MODEL FOR SATURATED--UNSATURATED FLOW IN DEFORMABLE
	POROUS MEDIA. 1. THEORY
AUTHORS	NARASHIMHAN, T.N.; WITHERSPOON, P.A.
AUTHOR AFF	UNIV. OF CALIFORNIA, BERKELEY
PUB DESC	WATER RESOUR. RES., V. 13, NO. 3, PP. 657-664
DATE	JUN 1977
JOURNAL CIT	WATER RESOUR. RES.

96

ACCESSION NO.	79J0099012
TITLE	GOVERNING EQUATIONS FOR GEOHERMAL RESERVOIRS
AUTHORS	BROWNELL, D.H. JR.; GARG, S.K.; PRITCHETT, J.W.
AUTHOR AFF	SYSTEMS, SCIENCE AND SOFTWARE, LA JOLLA, CA
PUB DESC	WATER RESOUR. RES., V. 13, NO. 6, PP. 929-934
DATE	DEC 1977

JOURNAL CIT WATER RESOUR. RES.

99/3/0000001-0000137// 97

ACCESSION NO. 79JG085406
 TITLE NUMERICAL MODEL FOR SATURATED-UNSATURATED FLOW IN DEFORMABLE
 POROUS MEDIA--3. APPLICATIONS
 AUTHORS NARASIMHAN, T.N.; WITHERSPOON, P.A.
 AUTHOR AFF UNIV OF CALIF. LAWRENCE BERKELEY LAB
 PUB DESC WATER RESOUR. RES., V. 14, NO. 6, PP. 1017-1034
 DATE DEC 1978
 JOURNAL CIT WATER RESOUR. RES.

98

ACCESSION NO. 79JG081562
 TITLE MOVEMENT OF REINJECTED THERMAL WATER
 AUTHORS YUHARA, K.; AKIDAYASHI, S.
 AUTHOR AFF KYUSHU UNIV. JPN
 PUB DESC NIPPON KOGYO KAISHI, V. 94, NO. 1086, PP. 509-514
 DATE AUG 1978
 JOURNAL CIT NIPPON KOGYO KAISHI

99

ACCESSION NO. 79R0079447
 TITLE(MONO) UNIFIED NUMERICAL MODEL FOR SATURATED--UNSATURATED GROUNDWATER
 FLOW
 EDITOR OR COMP NARASIMHAN, T.N.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 AVAILABILITY DEP. NTIS, PC A12/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 DATE FEB 1975
 DROP NOTE THESIS
 REPORT NO LBL-8862

ACCESSION NO. 79C0072598
 TITLE GEOLOGICAL SETTING OF REINJECTION WELLS IN THE Otake AND THE
 HATCHOBARU GEOTHERMAL FIELD, JAPAN
 AUTHORS HAYASHI, M.; MIMURA, T.; YAMASAKI, T.
 AUTHOR AFF KYUSHU UNIV., FUKUOKA CITY, JAPAN
 TITLE(MONO) GEOTHERMAL ENERGY: A NOVELTY BECOMES RESOURCE. TRANSACTIONS.
 VOLUME 2, SECTION 1
 SEC REPT NO CONF-780708--P1
 CONF TITLE GEOTHERMAL RESOURCES COUNCIL MEETING
 CONF PLACE HILU, HI, USA
 CONF DATE 25 JUL 1978
 PUBL LOC GEOTHERMAL RESOURCES COUNCIL, DAVIS, CA
 DATE 1978

101

ACCESSION NO. 79C0072523
 TITLE RESERVOIR ENGINEERING ASPECTS OF FLUID RECHARGE AND HEAT
 TRANSFER IN GEOTHERMAL RESERVOIRS
 AUTHORS MILLER, F.G.; CINCO, H.; HAMEY, H.J. JR.; KUCUK, F.
 AUTHOR AFF STANFORD UNIV., CA
 TITLE(MONO) GEOTHERMAL ENERGY: A NOVELTY BECOMES RESOURCE. TRANSACTIONS.
 VOLUME 2, SECTION 2
 SEC REPT NO CONF-780708--P2
 CONF TITLE GEOTHERMAL RESOURCES COUNCIL MEETING
 CONF PLACE HILU, HI, USA
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 PUBL LOC GEOTHERMAL RESOURCES COUNCIL, DAVIS, CA
 DATE 1978

102

ACCESSION NO. 79R0067225
 TITLE(MONO) ANALYSIS OF FIVE-SPOT TRACER TESTS TO DETERMINE RESERVOIR
 LAYERING
 EDITOR OR COMP YUEN, D.L.; BRIGHAM, W.E.; CINCO-L, H.
 CORPORATE AUTH STANFORD UNIV., CA (USA). PETROLEUM RESEARCH INST.
 AVAILABILITY DEP. NTIS, PC A64/MF A01.
 CONTRACT NO CONTRACT EY-76-C-03-1265
 DATE SEP 1978
 REPORT NO SAN--1265-8

103

ACCESSION NO. 79J0054688
 TITLE TWO-PHASE FLOW IN GEOPRESSURED GEOTHERMAL WELLS
 AUTHORS GARG, S.K.; PRITCHETT, J.W.
 AUTHOR AFF SYST. SCI AND SOFTWARE, LA JULLA, CALIF
 PUB DESC ENERGY CONVERS., V. 18, NO. 1, PP. 45-51
 DATE 1978
 JOURNAL CIT ENERGY CONVERS.

104

ACCESSION NO. 79C0048145
 REPORT NO, PAGE CONF-771153--P1 PP. ES.73-ES.83
 TITLE NUMERICAL SIMULATION OF THE EFFECTS OF REINJECTION UPON THE
 PERFORMANCE OF A GEOPRESSURED GEOTHERMAL RESERVOIR
 AUTHORS PRITCHETT, J.W.; GARG, S.K.; RINEY, T.D.
 AUTHOR AFF SYSTEMS, SCIENCE, AND SOFTWARE, LA JULLA, CA
 TITLE(MONO) THIRD GEOPRESSURED-GEOTHERMAL ENERGY CONFERENCE
 EDITOR OR COMP MERIWETHER, J.
 CONF TITLE 3. GEOPRESSURED GEOTHERMAL ENERGY CONFERENCE
 CONF PLACE LAFAYETTE, LA, USA
 CONF DATE 16 NOV 1977
 DATE 1977
 REPORT NO CONF-771153--P1

105

ACCESSION NO. 79U0027963
 REPORT NO, PAGE LBL--7028 PP. 37-41
 TITLE STRESS FLOW BEHAVIOR OF FRACTURED ROCK SYSTEMS
 AUTHORS TAYLOR, K.L.; WITHERSPOON, P.A.; HILBER, H.M.; VAN GREUNEN, J.
 TITLE(MONO) EARTH SCIENCES DIVISION. ANNUAL REPORT 1977
 DATE 1977
 REPORT NO LBL--7028

106

ACCESSION NO. 79U0018395
 REPORT NO, PAGE LBL--7028 PP. 56-60
 TITLE ANALYSIS OF THE RESPONSE OF GEOTHERMAL RESERVOIRS UNDER
 INJECTION AND PRODUCTION PROCEDURES
 AUTHORS LIPPMANN, M.J.; TSANG, C.F.; WITHERSPOON, P.A.
 TITLE(MONO) EARTH SCIENCES DIVISION. ANNUAL REPORT 1977
 DATE 1977
 REPORT NO LBL--7028

107

ACCESSION NO. 79C0011241
 TITLE SCALE PREDICTION IN GEOTHERMAL OPERATIONS: STATE OF THE ART.
 PAPER NO. SPE 8593
 AUTHORS VETTER, U.J.
 TITLE(MONO) PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON OILFIELD AND
 GEOTHERMAL CHEMISTRY
 SEC REPT NO CONF-770609--
 CONF TITLE SPE INTERNATIONAL SYMPOSIUM ON OILFIELD AND GEOTHERMAL CHEMISTRY
 CONF PLACE SAN DIEGO, CA, USA
 CONF DATE 27 JUN 1977
 PUBL LOC SOCIETY OF PETROLEUM ENGINEERS OF AIME, DALLAS
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108

ACCESSION NO. 79C005339
 TITLE(MONO) STUDY OF ALTERNATIVE REINJECTION SCHEMES FOR THE CERRO PRIETO
 GEOTHERMAL FIELD, BAJA CALIFORNIA, MEXICO
 EDITOR OR COMP TSANG, C.F.; BOOVARSSON, G.; LIPPMANN, M.J.; RIVERA R., J.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 SEC REPT NO CONF-780708--25
 AVAILABILITY DEP. NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-40
 CONF TITLE GEOTHERMAL RESOURCES COUNCIL MEETING
 CONF PLACE HILU, HI, USA
 CONF DATE 25 JUL 1978
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 REPORT NO LBL--7064

109

ACCESSION NO. 79R0001564
 TITLE(MONO) MATHEMATICAL MODEL OF DAMAGE COLLARS IN WATER REINJECTION WELLS

EDITOR OR COMP JORDA, R.M.
CORPORATE AUTH COMPLETION TECHNOLOGY CO., HOUSTON, TX (USA)
AVAILABILITY DEP. NTIS, PC A02/MF A01.
CONTRACT NO CONTRACT EY-76-C-04-0789
DATE MAY 1978
REPORT NO SAND-78-7063

110

ACCESSION NO. 78C0111191
TITLE SYSTEMS APPROACH TO TRACER DATA IN GROUNDWATER HYDROLOGY
AUTHORS SAXENA, R.K.
AUTHOR AFF INDIAN AGRICULTURAL RESEARCH INST., NEW DELHI, NUCLEAR RESEARCH LAB.
TITLE(MONO) PROCEEDINGS OF THE FIRST NATIONAL SYMPOSIUM ON APPLICATION OF ISOTOPE TECHNIQUES IN HYDROLOGY AND HYDRAULICS
SEC REPT NO CONF-7411105-
CONF TITLE 1. SYMPOSIUM ON APPLICATION OF ISOTOPE TECHNIQUES IN HYDROLOGY AND HYDRAULICS
CONF PLACE POONA, INDIA
CONF DATE 26 NOV 1974
PUBL LOC DEPARTMENT OF ATOMIC ENERGY, BOMBAY
DATE 1977

111

ACCESSION NO. 76C0089262
TITLE(MONO) PREDICTING THE RATE BY WHICH SUSPENDED SOLIDS PLUG GEOTHERMAL INJECTION WELLS
EDITOR OR COMP OWENS, L.B.; KASAMEYER, P.W.; NETHERTON, R.; THORSON, L.
CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA), LAWRENCE LIVERMORE LAB.
SEC REPT NO CONF-771243-1
AVAILABILITY DEP. NTIS, PC A02/MF A01.
CONTRACT NO CONTRACT W-7405-ENG-48
CONF TITLE 3. WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING
CONF PLACE PALO ALTO, CA, USA
CONF DATE 14 DEC 1977
DATE 9 JAN 1978
REPORT NO UCRL-80529

112

ACCESSION NO. 78U0083764
REPORT NO, PAGE EPRI-ER-660-SR PP. 4.25-4.30
TITLE GEOTHERMAL RESERVOIR MODELING NEEDS FROM EXPLORATION TO UTILIZATION
AUTHORS RINEY, T.D.
AUTHOR AFF SYSTEMS, SCIENCE AND SOFTWARE, LA JOLLA, CA
TITLE(MONO) EPRI ANNUAL GEOTHERMAL PROGRAM
EDITOR OR COMP LA MURI, P.N.; ROBERTS, V.W. (EDS.)
DATE JAN 1978
REPORT NO EPRI-ER-660-SR

113

ACCESSION NO. 78C0077739
TITLE SIMULATION OF DRIVE MECHANISMS IN GEOPRESSURED RESERVOIRS
AUTHORS GARG, S.K.; FRITCHETT, J.W.
AUTHOR AFF SYSTEMS, SCIENCE AND SOFTWARE, LA JOLLA, CA
TITLE(MONO) ENERGY RESOURCES AND EXCAVATION TECHNOLOGY
EDITOR OR COMP WANG, F.D.; CLARK, G.B. (EDS.)
CONF TITLE 18. SYMPOSIUM ON ROCK MECHANICS: ROCK MECHANICS IN GEOTHERMAL DEVELOPMENT
CONF PLACE KEYSTONE, CO, USA
CONF DATE 22 JUN 1977
PUBL LOC COLORADO SCHOOL OF MINES, GOLDEN, CO
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DROP NOTE SEE CONF-770628--P1

114

ACCESSION NO. 78C0073448
REPORT NO, PAGE CONF-771442 PP. 541-550
TITLE EFFECT OF TEMPERATURE AND STRESS ON THE ABSOLUTE PERMEABILITY OF SANDSTONES AND LIMESTONES
AUTHORS ARUNA, M.; ARIHARA, N.; RAMEY, H.J. JR.
AUTHOR AFF STANFORD UNIV., CA
TITLE(MONO) ENERGY AND MINERAL RESOURCE RECOVERY
CONF TITLE AMERICAN NUCLEAR SOCIETY TOPICAL MEETING ON ENERGY AND MINERAL

CONF PLACE RECOVERY RESEARCH
 CONF DATE GOLDEN, CO, USA
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 REPORT NO 1977
 CONF-770440--

115

ACCESSION NO. 78R0065881
 TITLE(MONO) SUMMARY REVIEW OF WORKSHOP ON MOVEMENT OF FLUIDS IN LARGELY IMPERMEABLE ROCKS
 EDITOR OR COMP WITHERSPOON, P.A. (ED.)
 CORPORATE AUTH TEXAS UNIV., AUSTIN (USA)
 AVAILABILITY DEP. NTIS, PC A04/MF A01.
 CONTRACT NO CONTRACT N-7405-ENG-26
 DATE 1977
 REPORT NO Y/OVI/SUB--77/14223

116

ACCESSION NO. 78Y0036254
 TITLE RECOVERY OF HEAT ENERGY FROM DEEP OR SHALLOW AQUIFIERS
 AUTHORS GARINGARTEN, A.C.; SAUTY, J.P.
 AUTHOR AFF BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES, ORLEANS, FRANCE
 TITLE(MONO) FUTURE ENERGY PRODUCTION SYSTEMS. HEAT AND MASS TRANSFER PROCESSES. VOL. II
 EDITOR OR COMP DENTON, J.C.; AFGAN, N.H. (EDS.)
 PUBL LOC HEMISPHERE PUBLISHING COMP., WASHINGTON, DC
 DATE 1976

117

ACCESSION NO. 78R0010942
 TITLE(MONO) MULTICOMPONENT MASS TRANSPORT MODEL: THEORY AND NUMERICAL IMPLEMENTATION (DISCRETE-PARCEL-RANDOM-WALK VERSION)
 EDITOR OR COMP AHLSTROM, S.W.; FOOTE, H.P.; ARNETT, K.C.; COLE, C.R.; SERNE, R.J.
 CORPORATE AUTH BATTELLE PACIFIC NORTHWEST LABS., RICHLAND, WASH. (USA)
 AVAILABILITY DEP. NTIS, PC A07/MF A01.
 CONTRACT NO CONTRACT EY-76-C-06-1830
 DATE MAY 1977
 REPORT NO BNWL--2127

118

ACCESSION NO. 78C0002078
 TITLE PRODUCTION AND REINJECTION IN GEOTHERMAL RESERVOIRS
 AUTHORS TSANG, C.F.; LIPPMANN, M.J.; WITHERSPOON, P.A.
 AUTHOR AFF UNIV. OF CALIFORNIA, BERKELEY
 TITLE(MONO) GEOTHERMAL: STATE OF THE ART
 PUBL LOC GEOTHERMAL RESOURCES COUNCIL, DAVIS, CA
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119

ACCESSION NO. 78C0002073
 TITLE NUMERICAL SIMULATION OF THE EFFECTS OF REINJECTION UPON THE PERFORMANCE OF A GEOPRESSURED GEOTHERMAL RESERVOIR
 AUTHORS PRITCHETT, J.W.; GARG, S.K.; RINEY, T.D.
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 TITLE(MONO) GEOTHERMAL: STATE OF THE ART
 CONF TITLE GEOTHERMAL RESOURCES COUNCIL
 CONF PLACE SAN DIEGO, CALIFORNIA, UNITED STATES OF AMERICA (USA)
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 DATE 1977
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120

ACCESSION NO. 78C0002069
 TITLE MODELING THERMAL AND FLOW FRONTS FOR ARBITRARY WELL ARRAYS
 AUTHORS KASAMEYER, P.; THORSON, L.; MCKEE, C.
 AUTHOR AFF LAWRENCE LIVERMORE LAB., CA
 TITLE(MONO) GEOTHERMAL: STATE OF THE ART
 CONF TITLE GEOTHERMAL RESOURCES COUNCIL
 CONF PLACE SAN DIEGO, CALIFORNIA, UNITED STATES OF AMERICA (USA)
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121

ACCESSION NO. 76C0001981
TITLE APPLICATIONS OF SOLUTE EQUILIBRIUM MODELS TO THE STUDY OF
GEOTHERMAL RESERVOIRS
AUTHORS HOAGLAND, J.R.
AUTHOR AFF UNIV. OF CALIFORNIA, RIVERSIDE
TITLE(MONO) GEOTHERMAL: STATE OF THE ART
CONF TITLE GEOTHERMAL RESOURCES COUNCIL
CONF PLACE SAN DIEGO, CALIFORNIA, UNITED STATES OF AMERICA (USA)
CONF DATE 9 MAY 1977
PUBL LOC GEOTHERMAL RESOURCES COUNCIL, DAVIS, CA
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122

ACCESSION NO. 77R0141910
TITLE(MONO) MATHEMATICAL MODELLING OF SINGLE-PHASE NONISOTHERMAL FLUID FLOW
THROUGH POROUS MEDIA. DOCTORAL THESIS
EDITOR OR COMP ATKINSON, P.G.
CORPORATE AUTH STANFORD UNIV., CA (USA). DEPT. OF PETROLEUM ENGINEERING
AVAILABILITY NTIS PC A10/MF A01.
DATE MAY 1976
REPORT NO PB--262884

123

ACCESSION NO. 77R0115002
TITLE(MONO) RECENT DEVELOPMENTS IN MODELING GROUNDWATER SYSTEMS
EDITOR OR COMP NARASIMHAN, T.N.; WITHERSPOON, P.A.
CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
AVAILABILITY DEP. NTIS, PC A03/MF A01.
CONTRACT NO CONTRACT W-7405-ENG-48
DATE 20 MAY 1977
REPORT NO LBL--5209

124

ACCESSION NO. 77C0105715
TITLE(MONO) APPLICATION OF THERMAL DEPLETION MODEL TO GEOTHERMAL RESERVOIRS
WITH FRACTURE AND PORE PERMEABILITY
EDITOR OR COMP KASAMEYER, P.W.; SCHROEDER, R.C.
CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
SEC REPT NO CONF-761221--1
AVAILABILITY DEP. NTIS, PC A02/MF A01.
CONTRACT NO CONTRACT W-7405-ENG-48
CONF TITLE 2. WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING
CONF PLACE STANFORD, CA, USA
CONF DATE 1 DEC 1976
DATE JAN 1977
REPORT NO UCRL--79108

125

ACCESSION NO. 77R0073065
TITLE(MONO) GEOTHERMOLOGICAL ENVIRONMENTAL EFFECTS OF GEOTHERMAL POWER
PRODUCTION: PHASE I. FINAL REPORT
EDITOR OR COMP PRITCHETT, J.W.; GARG, S.K.; BROWNELL, D.H. JR.; LEVINE, H.B.
CORPORATE AUTH SYSTEMS, SCIENCE AND SOFTWARE, LA JOLLA, CA (USA)
AVAILABILITY NATIONAL SCIENCE FOUNDATION, WASHINGTON, DC.
DATE SEP 1975
REPORT NO SSS-R--75-2733

126

ACCESSION NO. 77C0060750
TITLE MULTIPHASE MULTIDIMENSIONAL SIMULATION OF GEOTHERMAL RESERVOIRS
AUTHORS LASSETER, T.J.; WITHERSPOON, P.A.; LIPPMANN, M.J.
AUTHOR AFF GEONUCLEAR NOBEL PASO, PARIS
TITLE(MONO) PROCEEDINGS OF THE SECOND UNITED NATIONS SYMPOSIUM ON THE
DEVELOPMENT AND USE OF GEOTHERMAL RESOURCES
CONF TITLE 2. UNITED NATIONS SYMPOSIUM ON THE DEVELOPMENT AND USE OF
GEOTHERMAL RESOURCES
CONF PLACE SAN FRANCISCO, CA, USA
CONF DATE 20 MAY 1975
PUBL LOC UNIV. OF CALIFORNIA, BERKELEY, CA

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DATE 1976
DROP NOTE SEE CONF-750525--P3

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ACCESSION NO. 77C0060747
TITLE TRANSPORT OF MASS AND ENERGY IN POROUS MEDIA
AUTHORS GARG, S.K.; PRITCHETT, J.W.; BROWNELL, D.H. JR.
AUTHOR AFF SYSTEMS, SCIENCE AND SOFTWARE, LA JOLLA, CA
TITLE(MONO) PROCEEDINGS OF THE SECOND UNITED NATIONS SYMPOSIUM ON THE
DEVELOPMENT AND USE OF GEOTHERMAL RESOURCES. VOL. 3
CONF TITLE 2. UNITED NATIONS SYMPOSIUM ON THE DEVELOPMENT AND USE OF
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ACCESSION NO. 76J0044093
TITLE TWO-WELL RECIRCULATING TRACER TEST IN FRACTURED CARBONATE ROCK,
NEVADA
AUTHORS CLAASSEN, M.C.; CORDES, E.H.
AUTHOR AFF GEOLOGICAL SURVEY, LAKEWOOD, CO
PUB DESC HYDROL. SCI. BULL., V. 20, NO. 3, PP. 367-382
DATE SEP 1975
JOURNAL CIT HYDROL. SCI. BULL.

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ACCESSION NO. 76C0040132
REPORT NO, PAGE CONF-750878 PP. 9-12
TITLE GEOTHERMAL MODELS
AUTHORS MUFFLER, L.J.P.
AUTHOR AFF U.S. GEOLOGICAL SURVEY
TITLE(MONO) GEOPHYSICAL METHODS APPLIED TO DETECTION DELINEATION AND
EVALUATION OF GEOTHERMAL RESOURCES
CORPORATE AUTH UTAH UNIV., SALT LAKE CITY (USA)
CONF TITLE WORKSHOP ON GEOTHERMAL METHODS APPLIED TO DETECTION,
DELINEATION AND EVALUATION OF GEOTHERMAL RESOURCES
CONF PLACE SNOWBIRD, UT, USA
CONF DATE 24 AUG 1975
DATE 1975
REPORT NO CONF-750878--

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ACCESSION NO. 76J0037984
TITLE INTEGRATED FINITE DIFFERENCE METHOD FOR ANALYZING FLUID FLOW IN
POROUS MEDIA
AUTHORS NARASIMHAN, T.N.; WITHERSPOON, P.A.
AUTHOR AFF UNIV. OF CALIFORNIA, BERKELEY
PUB DESC WATER RESOUR. RES., V. 12, NO. 1, PP. 57-64
DATE FEB 1976
JOURNAL CIT WATER RESOUR. RES.

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ACCESSION NO. 76J0022975
TITLE SPHERICAL MODEL CALCULATION FOR VOLUMETRIC RESPONSE OF POROUS
ROCKS
AUTHORS BHATT, J.J.; CARROLL, M.M.; SCHATZ, J.F.
AUTHOR AFF UNIV. OF CALIFORNIA, BERKELEY
PUB DESC J. APPL. MECH., V. 42, NO. 2, PP. 363-366
DATE JUN 1975
JOURNAL CIT J. APPL. MECH.

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ACCESSION NO. 76C0022459
 REPORT NO. PAGE CONF-750612 PP. 217-225
 TITLE NUMERICAL SIMULATION OF GEOPRESSURED GEOTHERMAL RESERVOIRS
 AUTHORS KNAPP, R.M.; RINEY, T.D.
 TITLE(MONO) FIRST GEOPRESSURED GEOTHERMAL ENERGY CONFERENCE
 EDITOR OR COMP DORFMAN, M.H.; DELLEK, R.W. (EDS.)
 CORPORATE AUTH TEXAS UNIV., AUSTIN (USA)
 CONF TITLE 1. GEOPRESSURED GEOTHERMAL ENERGY CONFERENCE
 CONF PLACE AUSTIN, TX, USA
 CONF DATE 2 JUN 1975
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 ACCESSION NO. 76J0021396
 TITLE THEORETICAL STUDY OF HEAT EXTRACTION FROM AQUIFERS WITH UNIFORM REGIONAL FLOW
 AUTHORS GRINGARTEN, A.C.; SAUTY, J.P.
 AUTHOR AFF BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES, SERVICE GEOLOGIQUE NATIONAL, ORLEANS, FRANCE
 PUB DESC J. GEOPHYS. RES., V. 80, NO. 35, PP. 4956-62
 DATE 10 DEC 1975
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 REPORT NO. PAGE CONF-740209 PP. 431-508
 TITLE TOTAL FLOW CONCEPT FOR RECOVERY OF ENERGY FROM GEOTHERMAL HOT BRINE DEPOSITS
 AUTHORS HIGGINS, G.H.
 AUTHOR AFF LAWRENCE LIVERMORE LAB., CA
 TITLE(MONO) UTILIZATION OF VOLCANO ENERGY. PROCEEDINGS OF A CONFERENCE, HILO, HAWAII, FEBRUARY 4-8, 1974
 EDITOR OR COMP COLP, J.L.; FURUMOTO, A.S. (EDS.)
 CORPORATE AUTH SANDIA LABS., ALBUQUERQUE, N.MEX. (USA)
 CONF TITLE U.S.-JAPAN COOPERATIVE SCIENCE SEMINAR ON THE UTILIZATION OF VOLCANO ENERGY
 CONF PLACE HILO, HAWAII, USA
 CONF DATE 4 FEB 1974
 DATE 1974
 REPORT NO CONF-740209--

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 ACCESSION NO. 75J0007539
 TITLE USE OF THERMAL MODEL TO INVESTIGATE THE THEORY OF TRANSIENT FLOW TO A PARTIALLY PENETRATING WELL
 AUTHORS JAVANDEL, I.; WITHERSPOON, P.A.
 PUB DESC WATER RESOUR. RES., V. 3, NO. 2, PP. 591-7
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TITLE(MONO) FLOW IN GEOTHERMAL WELLS: PART III. CALCULATION MODEL FOR SELF-FLOWING WELL
EDITOR OR COMP BILICKI, Z.; KESTIN, J.; MICHAELIDES, E.S.
CORPORATE AUTH BROWN UNIV., PROVIDENCE, RI (USA). DIV. OF ENGINEERING
SEC REPT NO DEB2001806
AVAILABILITY NTIS, PC A05/MF A01.
CONTRACT NO CONTRACT AC02-79ET27225
DATE JUN 1981
REPORT NO DOE/ET/27225-8
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ACCESSION NO. 82C0001596
REPORT NO,PAGE DOE/SF/11459-1 PP. 55-74
TITLE DOE CODE COMPARISON PROJECT: SUMMARY OF RESULTS FOR PROBLEM 5
AUTHORS PRITCHETT, J.W.
AUTHOR AFF SYSTEMS, SCIENCE AND SOFTWARE, LA JOLLA, CA
TITLE(MONO) PROCEEDINGS: SPECIAL PANEL ON GEOTHERMAL MODEL INTERCOMPARISON STUDY
SEC REPT NO SGP-TR--42; CONF-831233--(EXC.); DEB1030777
AVAILABILITY NTIS, PC A06/MF A01.
CONF TITLE 6. ANNUAL WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING
CONF PLACE STANFORD, CA, USA
CONF DATE 16 DEC 1980
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REPORT NO DOE/SF/11459-1
ORDER NUMBER DEB1030777

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ACCESSION NO. 81C0098163
TITLE RAFT RIVER GEOTHERMAL SITE: A REINJECTION STUDY
AUTHORS AHMED, U.; WOLGEMUTH, K.M.; ABQU-SAYED, A.S.; SCHATZ, J.F.; JONES, A.H.
AUTHOR AFF TERRA TEK, INC., SALT LAKE CITY, UT
PUB DESC TRANS. - GEOTHERM. RESOUR. COUNC., V. 4, PP. 385-388
SEC REPT NO CONF-830920--
CONTRACT NO CONTRACT AC07-77ET29301
CONF TITLE GEOTHERMAL RESOURCE COUNCIL ANNUAL MEETING
CONF PLACE SALT LAKE CITY, UT, USA
CONF DATE 9 SEP 1980
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ACCESSION NO. 81C0085444
REPORT NO,PAGE DOE/ET/27085-1(ADD PP. 155-156
TITLE FLUID MIGRATION: THE LOUISIANA EXPERIENCE
AUTHORS BATES, R.
AUTHOR AFF LOUISIANA DEPT. OF NATURAL RESOURCES, BATON ROUGE
TITLE(MONO) WORKSHOP ON SUBSURFACE DISPOSAL OF GEOPRESSURED FLUIDS, GULF COAST: PROCEEDINGS
EDITOR OR COMP BACHMAN, A.L.
SEC REPT NO CONF-7903148-
AVAILABILITY NTIS, PC A09/MF A01.
CONF TITLE WORKSHOP ON SUBSURFACE DISPOSAL OF GEOPRESSURED FLUIDS
CONF PLACE BATON ROUGE, LA, USA
CONF DATE 6 MAR 1979
DATE 1979
REPORT NO DOE/ET/27085-1(ADD.)

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ACCESSION NO. 81C0085443
REPORT NO,PAGE DOE/ET/27085-1(ADD PP. 97-145
TITLE SUBSURFACE DISPOSAL OF BRINES FROM GEOPRESSURED RESERVOIRS
AUTHORS DONALDSON, E.C.
AUTHOR AFF DEPT. OF ENERGY, BARTLESVILLE, OK
TITLE(MONO) WORKSHOP ON SUBSURFACE DISPOSAL OF GEOPRESSURED FLUIDS, GULF COAST: PROCEEDINGS
EDITOR OR COMP BACHMAN, A.L.
SEC REPT NO CONF-7903148-
AVAILABILITY NTIS, PC A09/MF A01.
CONF TITLE WORKSHOP ON SUBSURFACE DISPOSAL OF GEOPRESSURED FLUIDS
CONF PLACE BATON ROUGE, LA, USA

CONF DATE 6 MAR 1979
DATE 1979
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ACCESSION NO. 81C0085408
REPORT NO. PAGE DOE/ET/27085-1(ADD PP. 21-42
TITLE GULF COAST GEOPRESSURED-GEOTHERMAL RESOURCES AS RELATED TO
HYDROGEOLOGIC CHARACTERISTICS OF THE SUBSURFACE SYSTEM FOR
DISPOSAL OF SPENT BRINES
AUTHORS WALLACE, R.H. JR.
AUTHOR AFF GEOLOGICAL SURVEY, NSTL STATION, MS
TITLE(MONO) WORKSHOP ON SUBSURFACE DISPOSAL OF GEOPRESSURED FLUIDS, GULF
COAST: PROCEEDINGS
EDITOR OR COMP BACHMAN, A.L.
SEC REPT NO CONF-7903148-
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CONF PLACE SATON ROUGE, LA, USA
CONF DATE 6 MAR 1979
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ACCESSION NO. 81C0038882
REPORT NO. PAGE CONF-801128 PP. 96-102
TITLE FLOW FACILITY DEVELOPMENT AND LABORATORY ANALYSIS
AUTHORS COOLEY, C.H.; OWEN, L.B.; BLAIR, C.K.; BANIK, G.J.
AUTHOR AFF TERRA TEK, INC., SALT LAKE CITY, UT
TITLE(MONO) PROCEEDINGS OF MECHANICAL, MAGNETIC, AND UNDERGROUND ENERGY
STORAGE: 1980 ANNUAL CONTRACTORS' REVIEW
AVAILABILITY NTIS, PC A20/MF A01.
CONF TITLE MECHANICAL, MAGNETIC, UNDERGROUND ENERGY STORAGE CONTRACTORS
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CONF PLACE WASHINGTON, DC, USA
CONF DATE 10 NOV 1980
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ACCESSION NO. 81C0038318
TITLE(MONO) INTERWELL TRACER ANALYSES OF A HYDRAULICALLY FRACTURED GRANITIC
GEOTHERMAL RESERVOIR
TITLE(SERIAL) SPE 827C
EDITOR OR COMP TESTER, J.W.; POTTER, R.M.
SEC REPT NO LA-UR--79-2015
AVAILABILITY AMERICAN INSTITUTE MINING AND METALLURGICAL ENGINEERS,
INCORPORATED, NEW YORK, NY.
CONF TITLE 54. ANNUAL FALL TECHNICAL CONFERENCE AND EXHIBITION OF THE
SOCIETY OF PETROLEUM ENGINEERS OF AIME
CONF PLACE LAS VEGAS, NV (USA)
CONF DATE 23 SEP 1979
PUBL LOC SOCIETY OF PETROLEUM ENGINEERS, DALLAS, TX
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ACCESSION NO. 81R0036306
TITLE(MONO) SHALE RECHARGE AND PRODUCTION BEHAVIOR OF GEOPRESSURED
RESERVOIRS
EDITOR OR COMP GARG, S.K.
CORPORATE AUTH SYSTEMS, SCIENCE AND SOFTWARE, LA JOLLA, CA (USA)
AVAILABILITY NTIS, PC A02/MF A01.
CONTRACT NO CONTRACT AC06-79ET27202
DATE APR 1980
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ACCESSION NO. 81J0025699
TITLE CHECK LIST FOR NEW INJECTION PROJECTS. PART 2
AUTHORS GRUBB, W.E.
PUB DESC PET. ENG., V. 36, NO. 13, PP. 79-81
DATE DEC 1984
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ACCESSION NO. 81J0025524
 TITLE ON THE MOVEMENT OF WATER BODIES INJECTED INTO AQUIFERS
 AUTHORS BEAR, J.; JACOBS, M.
 PUB DESC J. HYDROL., V. 3, NO. 1, PP. 37-57
 DATE MAY 1965
 JOURNAL CIT J. HYDROL.

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ACCESSION NO. 81U0016349
 REPORT NO. PAGE DOE/ET/27001-8 PP. 831-8113
 TITLE ANALYSIS OF THE RELATIONSHIP BETWEEN ENERGY OUTPUT AND WELL SPACING IN A TYPICAL ATLANTIC COASTAL PLAIN GEOTHERMAL DOUBLET SYSTEM
 AUTHORS LACZNIK, R.J.
 TITLE(MONO) EVALUATION AND TARGETING OF GEOTHERMAL ENERGY RESOURCES IN THE SOUTHEASTERN UNITED STATES. PROGRESS REPORT, OCTOBER 1, 1979-JUNE 30, 1980. PROGRESS REPORT
 EDITOR OR COMP COSTAIN, J.K.; GLOVER, L. III
 AVAILABILITY NTIS, PC A13/MF A01.
 DATE DEC 1980
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ACCESSION NO. 80C0127479
 TITLE(MONO) SUMMARY OF RECENT PROGRESS IN UNDERSTANDING THE CERRO PRIETO GEOTHERMAL FIELD, BAJA CALIFORNIA, MEXICO
 EDITOR OR COMP LIPPMANN, M.J.; WITHERSPOON, P.A.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 SEC REPT NO CONF-800704--3
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE NATO/CCMS MEETING ON PILOT STUDIES
 CONF PLACE PARIS, FRANCE
 CONF DATE 15 JUL 1980
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ACCESSION NO. 80U0110363
 REPORT NO. PAGE LBL-8648 PP. 119-124
 TITLE STUDY OF ALTERNATIVE REINJECTION SCHEMES FOR THE CERRO PRIETO GEOTHERMAL FIELD, BAJA CALIFORNIA, MEXICO
 AUTHORS TSANG, C.F.; BOGVARSSON, G.S.; LIPPMANN, M.J.; RIVERA, J.
 TITLE(MONO) EARTH SCIENCES DIVISION. ANNUAL REPORT 1978
 AVAILABILITY NTIS, PC A12/MF A01.
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ACCESSION NO. 80C0105762
 REPORT NO. PAGE SGP-TR-40 PP. 85-90
 TITLE CAPACITIVE PERTURBATIONS IN WELL INTERFERENCE TESTING
 AUTHORS BOGVARSSON, G.
 AUTHOR AFF OREGON STATE UNIV., CORVALLIS
 TITLE(MONO) PROCEEDINGS OF FIFTH WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING, DECEMBER 12-14, 1979
 EDITOR OR COMP RAMEY, H.J. JR.; KRUGER, P. (EDS.)
 SEC REPT NO CONF-791235--
 AVAILABILITY NTIS, PC A17/MF A01.
 CONF TITLE S. GEOTHERMAL RESERVOIR ENGINEERING WORKSHOP
 CONF PLACE STANFORD, CA, USA
 CONF DATE 12 DEC 1979
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ACCESSION NO. 80C0105760
 REPORT NO. PAGE SGP-TR-40 PP. 49-59
 TITLE INTERFERENCE EFFECT OF PRODUCING WELLS ON OBSERVATION WELLS IN A GEOTHERMAL FIELD (CERRO PRIETO)
 AUTHORS SALTUKLARDGLU, M.
 AUTHOR AFF SLC-ELECTROCONSULT, MILAN, ITALY
 TITLE(MONO) PROCEEDINGS OF FIFTH WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING, DECEMBER 12-14, 1979

EDITOR OR COMP RAMEY, H.J. JR.; KRUGER, P. (EDS.
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 AVAILABILITY NTIS, PC A17/MF A01.
 CONF TITLE 5. GEOTHERMAL RESERVOIR ENGINEERING WORKSHOP
 CONF PLACE STANFORD, CA, USA
 CONF DATE 12 DEC 1979
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ACCESSION NO. 80C0105754
 REPORT NO. PAGE SGP-TR--40 PP. 61-69
 TITLE USE OF OBSERVATION WELL DATA IN DETERMINING OPTIMUM WELL
 SPACING AND RECHARGE IN A GEOTHERMAL FIELD (CERRO PRIETO)
 AUTHORS SALTUKLAHOGLU, M.
 AUTHOR AFF ELC-ELECTROCONSULT, MILAN, ITALY
 TITLE(MONO) PROCEEDINGS OF FIFTH WORKSHOP ON GEOTHERMAL RESERVOIR
 ENGINEERING, DECEMBER 12-14, 1979
 EDITOR OR COMP RAMEY, H.J. JR.; KRUGER, P. (EDS.
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 CONF PLACE STANFORD, CA, USA
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ACCESSION NO. 80R0105743
 TITLE(MONO) ANALYSIS OF THE RESPONSE OF THE RAFT RIVER MONITOR WELLS TO THE
 1979 INJECTION TESTS
 EDITOR OR COMP SPENCER, S.G.; CALLAN, D.M.
 CORPORATE AUTH EG AND G IDAHO, INC., IDAHO FALLS (USA)
 AVAILABILITY NTIS, PC A03/MF A01.
 CONTRACT NO CONTRACT AC67-871001570
 DATE SEP 1980
 REPORT NO EGG--2057

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ACCESSION NO. 80J0105709
 TITLE RESERVOIR PERFORMANCE OF THE GEYSERS FIELD
 AUTHORS LIPMAN, S.C.; STROBEL, C.J.; GULATI, M.S.
 AUTHOR AFF UNION OIL CO OF CALIF, SANTA ROSA
 PUB DESC GEOTHERMICS, V. 7, NO. 2-4, PP. 209-219
 SEC REPT NO CONF-7709210--
 CONF TITLE DOE WORKSHOP ON GEOTHERMAL RESOURCES ASSESSMENT AND RESERVOIR
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 CONF PLACE LARDERELLO, ITALY
 CONF DATE 12 SEP 1977
 DATE 1978
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ACCESSION NO. 80C0094917
 REPORT NO. PAGE SGP-TR--30 PP. 139-145
 TITLE RESULTS OF WELL-TESTING IN THE BROADLANDS GEOTHERMAL FIELD, NEW
 ZEALAND
 AUTHORS HORNE, R.N.; GRANT, M.A.; GALE, R.O.
 TITLE(MONO) PROCEEDINGS FOURTH WORKSHOP GEOTHERMAL RESERVOIR ENGINEERING
 EDITOR OR COMP KRUGER, P.; RAMEY, H.J. JR. (EDS.
 SEC REPT NO CONF-781222--
 AVAILABILITY NTIS, PC A15/MF A01.
 CONF TITLE 4. WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING
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 CONF DATE 13 DEC 1978
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ACCESSION NO. 80C0088774
 TITLE(MONO) NUMERICAL SIMULATION OF THE IMPACT OF FLUID INJECTION IN THE
 RAFT RIVER GEOTHERMAL AREA
 EDITOR OR COMP SPENCER, S.G.; GOLDMAN, J.
 CORPORATE AUTH EG AND G IDAHO, INC., IDAHO FALLS (USA)

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CONF TITLE
CONF PLACE
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80R0088746
STUDY OF PARTIAL PENETRATION IN A TWO-LAYERED AQUIFER. I.
ANALYTICAL SOLUTION
JAVANDEL, I.; WITHERSPOON, P.A.
CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
NTIS, PC A03/MF A01.
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JOURNAL CIT

80J0083163
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PRESSURE IN REINJECTION WELL
FUKUDA, M.; AOSAKI, K.; UNODERA, S.
BUTSURI TANKU, V. 31, NO. 5, PP. 1-8
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80C0060983
ANALYSIS OF THE RESPONSE OF GEOTHERMAL RESERVOIRS UNDER
INJECTION AND PRODUCTION PROCEDURES
LIPPMANN, M.J.; TSANG, C.F.; WITHERSPOON, P.A.
CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
CONF-7704118-1
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13 APR 1977
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TITLE(MONO)
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80R0060971
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OPERATIONS: PROBLEMS AND POSSIBLE SOLUTIONS. PHASE I.
DEFINITION OF THE PROBLEMS
VETTER, U.J.; ORICLOW, H.B.
VETTER RESEARCH, COSTA MESA, CA (USA); PETROLEUM TRAINING AND
TECHNICAL SERVICES, NORMAN, OK (USA)
DEP. NTIS, PC A09/MF A01.
CONTRACT ET-78-C-03-2044
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ACCESSION NO.
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AUTHORS
AUTHOR AFF
TITLE(MONO)
SEC REPT NO
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CONF DATE
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80C0044292
EPRI-WS-79-166 PP. 2.31-2.37
GEOPHYSICAL METHODS IN RESERVOIR ENGINEERING AND RESERVOIR
MANAGEMENT
MEIDAV, T.
WOODWARD-CLYDE CONSULTANTS, BERKELEY, CA
PROCEEDINGS OF THE THIRD ANNUAL GEOTHERMAL CONFERENCE AND
WORKSHOP
CONF-790679--
DEP. NTIS, PC A11/MF A01.
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26 JUN 1979
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ACCESSION NO. 80C0039965
 TITLE INJECTION AT RAFT RIVER: AN ENVIRONMENTAL CONCERN
 AUTHORS SPENCER, S.G.
 AUTHOR AFF EG AND G IDAHO, INC., IDAHO FALLS
 TITLE(MONO) EXPANDING THE GEOTHERMAL FRONTIER
 SEC REPT NO CONF-790906--
 CONF TITLE GEOTHERMAL RESOURCES COUNCIL ANNUAL MEETING
 CONF PLACE RENO, NV, USA
 CONF DATE 24 SEP 1979
 PUBL LOC GEOTHERMAL RESOURCES COUNCIL, DAVIS, CA
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ACCESSION NO. 80R0028120
 TITLE(MONO) MULTIPLE WELL VARIABLE RATE WELL TEST ANALYSIS OF DATA FROM THE
 EDITOR OR COMP AUBURN UNIVERSITY THERMAL ENERGY STORAGE PROGRAM
 CORPORATE AUTH DOUGHTY, C.; MCEDEWARDS, D.; TSANG, C.F.
 AVAILABILITY CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 CONTRACT NO DEP. NTIS, PC A03/MF A01.
 DATE CONTRACT W-7405-ENG-48
 REPORT NO NOV 1979
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29

ACCESSION NO. 79J01166d3
 REPORT NO, PAGE LBL-8883 PP. 122-131
 TITLE EFFECT OF THERMAL DISPERSION ON INJECTION OF HOT WATER IN
 AUTHORS SAUTY, J.P. J; GRINGARTEN, A.C.; LANDEL, P.A.
 AUTHOR AFF BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES, ORLEANS, FRANC
 TITLE(MONO) SECOND INVITATIONAL WELL-TESTING SYMPOSIUM PROCEEDINGS
 SEC REPT NO CONF-7810170--
 CONF TITLE 2. INTERNATIONAL WELL-TESTING SYMPOSIUM
 CONF PLACE BERKELEY, CA, USA
 CONF DATE 25 OCT 1978
 DATE 1978
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ACCESSION NO. 79J0116676
 REPORT NO, PAGE LBL-8883 PP. 15-28
 TITLE EXTRACTION--RE INJECTION AT AHUACHAPAN GEOTHERMAL FIELD
 AUTHORS CUELLAR, G.; CHOUSSY, M.; ESCOBAR, D.
 AUTHOR AFF COMISION EJECUTIVA HIDROELECTRICA DEL RIO LEMPA, SAN SALVADOR,
 EL SALVADOR
 TITLE(MONO) SECOND INVITATIONAL WELL-TESTING SYMPOSIUM PROCEEDINGS
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 CONF PLACE BERKELEY, CA, USA
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ACCESSION NO. 79C0116632
 TITLE(MONO) INJECTION AT RAFT RIVER: AN ENVIRONMENTAL CONCERN
 EDITOR OR COMP SPENCER, S.G.
 CORPORATE AUTH IDAHO NATIONAL ENGINEERING LAB., IDAHO FALLS (USA)
 AVAILABILITY DEP. NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT EY-76-C-07-1570
 CONF TITLE GEOTHERMAL RESOURCES COUNCIL ANNUAL MEETING
 CONF PLACE RENO, NV, USA
 CONF DATE 24 SEP 1979
 DATE 1979
 DROP NOTE PORTIONS OF DOCUMENT ARE ILLEGIBLE
 REPORT NO CONF-790906--20

32

ACCESSION NO. 79C0079445
 TITLE(MONO) DETERMINATION OF THE LOCATION AND CONNECTIVITY OF FRACTURES IN
 EDITOR OR COMP METAMORPHIC ROCK WITH IN-HOLE TRACERS
 CORPORATE AUTH MARINE, I.M.
 DU PONT DE NEMOURS (E.I.) AND CO., AIKEN, SC (USA). SAVANNAH
 RIVER LAB.

SEC REPT NO	CONF-790320--2
AVAILABILITY	DEP. NTIS, PC A02/MF A01.
CONTRACT NO	CONTRACT EY-76-C-09-0001
CONF TITLE	WORKSHOP ON LOW-FLOW LOW PERMEABILITY MEASUREMENTS IN LANGLEY IMPERMEABLE ROCKS
CONF PLACE	PARIS, FRANCE
CONF DATE	19 MAR 1979
DATE	1979
REPORT NO	DP-MS--79-11

33

ACCESSION NO.	79C0072609
TITLE	DEVELOPMENT OF INJECTION CRITERIA FOR GEOTHERMAL RESOURCES
AUTHORS	TEWHEY, J.D.; CHAN, M.A.; KASAMEYER, P.M.; OWEN, L.B.
AUTHOR AFF	UNIV. OF CALIFORNIA, LIVERMORE
TITLE(MONO)	GEOTHERMAL ENERGY: A NOVELTY BECOMES RESOURCE. TRANSACTIONS. VOLUME 2, SECTION 2
SEC REPT NO	CONF-780708--P2
CONF TITLE	GEOTHERMAL RESOURCES COUNCIL MEETING
CONF PLACE	HILLO, HI, USA
CONF DATE	25 JUL 1978
PUBL LOC	GEOTHERMAL RESOURCES COUNCIL, DAVIS, CA
DATE	1978

34

ACCESSION NO.	79C0072598
TITLE	GEOLOGICAL SETTING OF REINJECTION WELLS IN THE OTAKE AND THE HATCHOBARU GEOTHERMAL FIELD, JAPAN
AUTHORS	HAYASHI, M.; MIMURA, T.; YAMASAKI, T.
AUTHOR AFF	KYUSHU UNIV., FUKUOKA CITY, JAPAN
TITLE(MONO)	GEOTHERMAL ENERGY: A NOVELTY BECOMES RESOURCE. TRANSACTIONS. VOLUME 2, SECTION 1
SEC REPT NO	CONF-780708--P1
CONF TITLE	GEOTHERMAL RESOURCES COUNCIL MEETING
CONF PLACE	HILLO, HI, USA
CONF DATE	25 JUL 1978
PUBL LOC	GEOTHERMAL RESOURCES COUNCIL, DAVIS, CA
DATE	1978

35

ACCESSION NO.	79C0046145
REPORT NO, PAGE	CONF-771153--P1 PP. ES.73-ES.83
TITLE	NUMERICAL SIMULATION OF THE EFFECTS OF REINJECTION UPON THE PERFORMANCE OF A GEOPRESSURED GEOTHERMAL RESERVOIR
AUTHORS	PRITCHETT, J.W.; GARG, S.K.; RINEY, T.D.
AUTHOR AFF	SYSTEMS, SCIENCE, AND SOFTWARE, LA JULLA, CA
TITLE(MONO)	THIRD GEOPRESSURED-GEOTHERMAL ENERGY CONFERENCE
EDITOR OR COMP	MERIWETHER, J.
CONF TITLE	3. GEOPRESSURED GEOTHERMAL ENERGY CONFERENCE
CONF PLACE	LAFAYETTE, LA, USA
CONF DATE	16 NOV 1977
DATE	1977
REPORT NO	CONF-771153--P1

36

ACCESSION NO.	79J0018395
REPORT NO, PAGE	LBL--7028 PP. 56-60
TITLE	ANALYSIS OF THE RESPONSE OF GEOTHERMAL RESERVOIRS UNDER INJECTION AND PRODUCTION PROCEDURES
AUTHORS	LIPPMANN, M.J.; TSANG, C.F.; WITHERSPOON, P.A.
TITLE(MONO)	EARTH SCIENCES DIVISION. ANNUAL REPORT 1977
DATE	1977
REPORT NO	LBL--7028

37

ACCESSION NO.	79C0005339
TITLE(MONO)	STUDY OF ALTERNATIVE REINJECTION SCHEMES FOR THE CERRO PRIETO GEOTHERMAL FIELD, BAJA CALIFORNIA, MEXICO
EDITOR OR COMP	TSANG, C.F.; BODVARSSON, G.; LIPPMANN, M.J.; RIVERA R., J.
CORPORATE AUTH	CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
SEC REPT NO	CONF-780708--25
AVAILABILITY	DEP. NTIS, PC A02/MF A01.
CONTRACT NO	CONTRACT W-7405-ENG-48
CONF TITLE	GEOTHERMAL RESOURCES COUNCIL MEETING

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CONTINUATION

CONF PLACE HILD. HI. USA
 CONF DATE 25 JUL 1978
 DATE JUN 1978
 REPORT NO LBL--7064

38

ACCESSION NO. 78C0067668
 TITLE(MONO) RECENT RESULTS FROM TESTS ON THE REPUBLIC GEOTHERMAL WELLS.
 EDITOR OR COMP EAST MESA, CALIFORNIA
 NARASIMHAN, I.N.; SCHROEDER, R.C.; GORANSON, C.G.; MCEDEWARDS,
 D.G.; CAMPBELL, D.A.; BARKMAN, J.H.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 SEC REPT NO CONF-771235--1
 AVAILABILITY DEP. NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE 3. GEOTHERMAL WORKSHOP
 CONF PLACE STANFORD, CA. USA
 CONF DATE 14 DEC 1977
 DATE DEC 1977
 REPORT NO LBL--7017

39

ACCESSION NO. 78C043228
 TITLE(MONO) THERMAL DEPLETION OF A GEOTHERMAL RESERVOIR WITH BOTH FRACTURE
 AND PORE PERMEABILITY
 EDITOR OR COMP KASAMEYER, P.W.; SCHROEDER, R.C.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 AVAILABILITY DEP. NTIS, PC A03/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 DATE 10 AUG 1976
 REPORT NO UCRL--77323

40

ACCESSION NO. 78U0014130
 REPORT NO. PAGE UCRL--50046-76 PP. 127-171
 TITLE EARTH SCIENCES PROGRAM
 TITLE(MONO) LLL GEOTHERMAL ENERGY PROGRAM. STATUS REPORT, JANUARY
 1976--JANUARY 1977
 EDITOR OR COMP AUSTIN, A.L.; LUNDBERG, A.W.; OWEN, L.B.; TARDIFF, G.E.
 ED AFF COMPS.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 DATE 27 APR 1977
 REPORT NO UCRL--50046-76

41

ACCESSION NO. 78C0002078
 TITLE PRODUCTION AND REINJECTION IN GEOTHERMAL RESERVOIRS
 AUTHORS TSANG, C.F.; LIPPMANN, M.J.; WITHERSPOON, P.A.
 AUTHOR AFF UNIV. OF CALIFORNIA, BERKELEY
 TITLE(MONO) GEOTHERMAL: STATE OF THE ART
 PUBL LOC GEOTHERMAL RESOURCES COUNCIL, DAVIS, CA
 DATE 1977
 DROP NOTE SEE CONF-770569

42

ACCESSION NO. 77C0105715
 TITLE(MONO) APPLICATION OF THERMAL DEPLETION MODEL TO GEOTHERMAL RESERVOIRS
 WITH FRACTURE AND PORE PERMEABILITY
 EDITOR OR COMP KASAMEYER, P.W.; SCHROEDER, R.C.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 SEC REPT NO CONF-761221--1
 AVAILABILITY DEP. NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE 2. WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING
 CONF PLACE STANFORD, CA. USA
 CONF DATE 1 DEC 1976
 DATE JAN 1977
 REPORT NO UCRL--79108

43

ACCESSION NO. 77C0060850
 TITLE OPTIMUM WELL SPACING FOR GEOTHERMAL POWER
 AUTHORS JAMES, R.
 AUTHOR AFF DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH, TAUPU, NEW ZEALAND

TITLE(MONO) PROCEEDINGS OF THE SECOND UNITED NATIONS SYMPOSIUM ON THE
DEVELOPMENT AND USE OF GEOTHERMAL RESOURCES. VOL. 3
CONF TITLE 2. UNITED NATIONS SYMPOSIUM ON THE DEVELOPMENT AND USE OF
GEOTHERMAL RESOURCES
CONF PLACE SAN FRANCISCO, CA, USA
CONF DATE 20 MAY 1975
PUBL LOC UNIV. OF CALIFORNIA, BERKELEY, CA
DATE 1976
DROP NOTE SEE CONF-750525--P3

44
ACCESSION NO. 77C060818
TITLE REINJECTION OF GEOTHERMAL HOT WATER AT THE OTAKE GEOTHERMAL
FIELD
AUTHORS KUBOTA, K.; AOSAKI, K.
AUTHOR AFF KYUSHU ELECTRIC POWER CO., INC., FUKUOKA
TITLE(MONO) PROCEEDINGS OF THE SECOND UNITED NATIONS SYMPOSIUM ON THE
DEVELOPMENT AND USE OF GEOTHERMAL RESOURCES. VOL. 2
CONF TITLE 2. UNITED NATIONS SYMPOSIUM ON THE DEVELOPMENT AND USE OF
GEOTHERMAL RESOURCES
CONF PLACE SAN FRANCISCO, CA, USA
CONF DATE 20 MAY 1975
PUBL LOC UNIV. OF CALIFORNIA, BERKELEY, CA
DATE 1976
DROP NOTE SEE CONF-750525--P2

45
ACCESSION NO. 77Y0060816
TITLE DISPOSAL OF GEOTHERMAL WASTE WATER BY REINJECTION
AUTHORS EINARSSON, S.S.; ALBERTO VIDES R.; CUELLAR, G.
AUTHOR AFF UTC, UNITED NATIONS, MANAGUA NICARAGUA
TITLE(MONO) PROCEEDINGS OF THE SECOND UNITED NATIONS SYMPOSIUM ON THE
DEVELOPMENT AND USE OF GEOTHERMAL RESOURCES. VOL. 2
CONF TITLE 2. UNITED NATIONS SYMPOSIUM ON THE DEVELOPMENT AND USE OF
GEOTHERMAL RESOURCES
CONF PLACE SAN FRANCISCO, CA, USA
CONF DATE 20 MAY 1975
PUBL LOC UNIV. OF CALIFORNIA, BERKELEY, CA
DATE 1976
DROP NOTE SEE CONF-750525--P2

B. EVALUATION OF TREATMENT OF HEAT-DEPLETED FLUIDS PRIOR TO INJECTION

1. Determination of Fluid Particle Content/Economic Particle Removal Methods

1

ACCESSION NO. 81C0164090
 TITLE(MONO) ASSESSMENT OF THE INJECTABILITY OF BRINES PRODUCED BY
 EDITOR OR COMP GEOPRESSURED-GEOTHERMAL RESOURCES OF THE GULF COAST
 CORPORATE AUTH HARRAR, J.E.; NETHERTON, R.; LUCKE, F.E.; OWEN, L.B.
 SEC REPT NO LAWRENCE LIVERMORE NATIONAL LAB., CA (USA); TERRA TEK, INC.,
 AVAILABILITY SALT LAKE CITY, UT (USA)
 CONTRACT NO CONF-811126--3
 CONF TITLE NTIS, PC A02/MF A01.
 CONF PLACE CONTRACT W-7405-ENG-48
 CONF DATE 5. GEOPRESSURED-GEOTHERMAL ENERGY CONFERENCE
 DATE BATON ROUGE, LA, USA
 REPORT NO 13 OCT 1981
 ORDER NUMBER AUG 1981
 UCRL-86547
 DE81026159

2

ACCESSION NO. 81PG079677
 PATENT NO US PATENT APPLICATION 159,313
 TITLE(MONO) METHOD FOR INHIBITING SILICA PRECIPITATION AND SCALING IN
 EDITOR OR COMP GEOTHERMAL FLOW SYSTEMS
 PAT ASSIGNEE HARRAR, J.E.; LORENSEN, L.E.; LUCKE, F.E.
 AVAILABILITY TO DEPT. OF ENERGY
 CONTRACT NO NTIS, PC A02/MF A01.
 DATE CONTRACT W-7405-ENG-48
 13 JUN 1980

3

ACCESSION NO. 81R0032012
 TITLE(MONO) PARTICLE CHARACTERIZATION FOR GEOTHERMAL OPERATIONS
 EDITOR OR COMP VETTER, D.J.; KANDARPA, V.
 CORPORATE AUTH VETTER RESEARCH, COSTA MESA, CA (USA)
 AVAILABILITY NTIS, PC A03/MF A01.
 CONTRACT NO CONTRACT AC05-78ET27146
 DATE 6 JAN 1981
 REPORT NO DOE/ET/27146-T1

4

ACCESSION NO. 81R0021225
 TITLE(MONO) STUDIES OF BRINE CHEMISTRY AND SCALING AT THE SALTON SEA
 EDITOR OR COMP GEOTHERMAL FIELD, 1977-1979. FINAL REPORT
 CORPORATE AUTH HARRAR, J.E.
 AVAILABILITY CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 CONTRACT NO NTIS, PC A03/MF A01.
 DATE CONTRACT W-7405-ENG-48
 REPORT NO JAN 1981
 UCID--18917

5

ACCESSION NO. 80C0127544
 REPORT NO, PAGE CONF-800242 PP. 203-213
 TITLE THERMAL STABILITY OF FRAC FLUIDS IN AQUEOUS SYSTEMS
 AUTHORS TYSSER, D.A.; VETTER, D.J.
 AUTHOR AFF VETTER RESEARCH, COSTA MESA, CA
 TITLE(MONO) GEOTHERMAL RESERVOIR WELL STIMULATION SYMPOSIUM
 EDITOR OR COMP CRICHLAW, H.G. (ED.)
 AVAILABILITY NTIS, PC A11/MF A01.
 CONF TITLE SYMPOSIUM ON GEOTHERMAL WELL STIMULATION
 CONF PLACE SAN FRANCISCO, CA, USA
 CONF DATE 7 FEB 1980
 DATE 7 FEB 1980
 REPORT NO CONF-800242--

6

ACCESSION NO. 80C0094908
 REPORT NO, PAGE SGP-TR--30 PP. 294-299
 TITLE PREDICTING THE PRECIPITATION OF AMORPHOUS SILICA FROM
 AUTHORS WERES, D.; YEE, A.; TSAO, L.
 AUTHOR AFF LAWRENCE BERKELEY LAB., CA
 TITLE(MONO) PROCEEDINGS FOURTH WORKSHOP GEOTHERMAL RESERVOIR ENGINEERING
 EDITOR OR COMP KRUGER, P.; RAMEY, H.J. JR. (EDS.)
 SEC REPT NO CONF-781222--
 AVAILABILITY NTIS, PC A15/MF A01.

CONF TITLE 4. WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING
 CONF PLACE STANFORD, CA. USA
 CONF DATE 13 DEC 1978
 DATE 1978
 REPORT NO SGP-TR--30

ACCESSION NO. 80C8094967
 REPORT NO. PAGE SGP-TR--30 PP. 42-49
 TITLE REPLACEMENT OF GEOTHERMAL RESERVOIR BRINE AS A MEANS OF
 REDUCING SOLIDS PRECIPITATION AND SCALE FORMATION
 AUTHORS MARTIN, J.C.
 AUTHOR AFF CHEVRON OIL FIELD RESEARCH CO., LA HABRA, CA
 TITLE(MONO) PROCEEDINGS FOURTH WORKSHOP GEOTHERMAL RESERVOIR ENGINEERING
 EDITOR OR COMP KRUGER, P.; KAMEY, H.J. JR. (EDS.)
 SEC REPT NO CONF-781222--
 AVAILABILITY NTIS, PC A15/MF A01.
 CONF TITLE 4. WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING
 CONF PLACE STANFORD, CA. USA
 CONF DATE 13 DEC 1978
 DATE 1978
 REPORT NO SGP-TR--30

ACCESSION NO. 80C0076791
 TITLE(MONO) PROCESSING OF HIGH SALINITY BRINES FOR SUBSURFACE INJECTION
 EDITOR OR COMP RABER, E.; THOMPSON, R.E.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.;
 NATIONAL TECHNICAL SERVICES, INC., CORVALLIS, OR (USA)
 SEC REPT NO CONF-800102--4
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO W-7405-ENG-48
 CONF TITLE INTERNATIONAL CONFERENCE ON GEOTECHNICAL AND ENVIRONMENTAL
 ASPECTS OF GEOPRESSURE ENERGY
 CONF PLACE SEA ISLAND, GA. USA
 CONF DATE 13 JAN 1980
 DATE 6 AUG 1979
 REPORT NO UCRL--83122(REV.1)

ACCESSION NO. 80C0060978
 REPORT NO. PAGE UCID--18596 PP. 3-36
 TITLE SCALING RATE AND SCALE PROPERTIES
 AUTHORS DEUTSCHER, S.B.; QUONG, R.; RUSS, D.M.; HARRAR, J.E.
 TITLE(MONO) LLL INDUSTRIAL SUPPORT PROGRAM TEST RESULTS ON SCALE CONTROL.
 CORROSION, H₂SUB 2%S ABATEMENT, AND INJECTION AT THE SALTON SEA
 GEOTHERMAL FIELD IN FY 79
 EDITOR OR COMP QUONG, R.; OWEN, L.B.
 AVAILABILITY DEP. NTIS, PC A09/MF A01.
 DATE MAR 1980
 REPORT NO UCID--18596

ACCESSION NO. 80C0060977
 TITLE(MONO) LLL INDUSTRIAL SUPPORT PROGRAM TEST RESULTS ON SCALE CONTROL.
 CORROSION, H₂SUB 2%S ABATEMENT, AND INJECTION AT THE SALTON SEA
 GEOTHERMAL FIELD IN FY 79
 EDITOR OR COMP QUONG, R.; OWEN, L.B.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 AVAILABILITY DEP. NTIS, PC A09/MF A01.
 CONTRACT NO W-7405-ENG-48
 DATE MAR 1980
 REPORT NO UCID--18596

ACCESSION NO. 80C0060973
 REPORT NO. PAGE UCID--18596 PP. 137-184
 TITLE INJECTION STUDIES
 AUTHORS OWEN, L.B.; RABER, E.; HARRAR, J.; OTTO, C.; NETHERTON, R.
 TITLE(MONO) LLL INDUSTRIAL SUPPORT PROGRAM TEST RESULTS ON SCALE CONTROL.
 CORROSION, H₂SUB 2%S ABATEMENT, AND INJECTION AT THE SALTON SEA
 GEOTHERMAL FIELD IN FY 79
 EDITOR OR COMP QUONG, R.; OWEN, L.B.
 AVAILABILITY DEP. NTIS, PC A09/MF A01.

DATE MAR 1980
REPORT NO UCID--18596

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ACCESSION NO. 80U0060972
REPORT NO, PAGE UCID--18596 PP. 97-113
TITLE HSSUB 2SS ABATEMENT
AUTHORS QUONG, R.; KNAUSS, K.G.; STOUT, N.D.; OWEN, L.B.; OTTO, C.H. JR.
TITLE(MONO) LLL INDUSTRIAL SUPPORT PROGRAM TEST RESULTS ON SCALE CONTROL, CORROSION, HSSUB 2SS ABATEMENT, AND INJECTION AT THE SALTON SEA GEOTHERMAL FIELD IN FY 79
EDITOR OR COMP QUONG, R.; OWEN, L.B.
AVAILABILITY DEP. NTIS, PC A09/MF A01.
DATE MAR 1980
REPORT NO UCID--18596

13
ACCESSION NO. 80R0060971
TITLE(MONO) INJECTION, INJECTIVITY AND INJECTABILITY IN GEOTHERMAL OPERATIONS: PROBLEMS AND POSSIBLE SOLUTIONS. PHASE I. DEFINITION OF THE PROBLEMS
EDITOR OR COMP VETTER, U.J.; CRICHLAW, H.B.
CORPORATE AUTH VETTER RESEARCH, COSTA MESA, CA (USA); PETROLEUM TRAINING AND TECHNICAL SERVICES, NORMAN, OK (USA)
AVAILABILITY DEP. NTIS, PC A09/MF A01.
CONTRACT NO CONTRACT ET-78-C-03-2044
DATE 14 FEB 1979
REPORT NO SAN--2044-1

14
ACCESSION NO. 80R0039463
TITLE(MONO) PERFORMANCE EVALUATION OF MAGMA POWER COMPANY'S REINJECTION WELL NO. 46-7 AT THE EAST MESA KGRA, CALIFORNIA
EDITOR OR COMP JURDA, R.M.
CORPORATE AUTH COMPLETION TECHNOLOGY CO., HOUSTON, TX (USA)
AVAILABILITY DEP. NTIS, PC A03/MF A01.
CONTRACT NO CONTRACT EY-76-C-04-0789
DATE FEB 1980
REPORT NO SAND--79-7127

15
ACCESSION NO. 80C0039927
TITLE COST-EFFECTIVE TREATMENT SYSTEM FOR THE STABILIZATION OF SPENT GEOTHERMAL BRINES
AUTHORS FEATHERSTONE, J.L.; VAN NOTE, R.H.; PAWLOWSKI, B.S.
TITLE(MONO) EXPANDING THE GEOTHERMAL FRONTIER
SEC REPT NO CONF-79-906--
CONF TITLE GEOTHERMAL RESOURCES COUNCIL ANNUAL MEETING
CONF PLACE RENO, NV, USA
CONF DATE 24 SEP 1979
PUBL LOC GEOTHERMAL RESOURCES COUNCIL, DAVIS, CA
DATE 1979

16
ACCESSION NO. 80R0020488
TITLE(MONO) ASSESSMENT OF THE INJECTABILITY OF CONDITIONED BRINE PRODUCED BY A REACTION CLARIFICATION GRAVITY FILTRATION SYSTEM IN OPERATION AT THE SALTON SEA GEOTHERMAL FIELD, SOUTHERN CALIFORNIA
EDITOR OR COMP OWEN, L.B.; RABER, E.; OTTO, C.; NETHERTON, R.; NEURATH, R.; ALLEN, L.
CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA), LAWRENCE LIVERMORE LAB.
AVAILABILITY DEP. NTIS, PC A03/MF A01.
CONTRACT NO CONTRACT #7405-ENG-48
DATE 26 NOV 1979
REPORT NO UCID--18488

17
ACCESSION NO. 80C0015789
TITLE(MONO) PROCESSING OF HIGH SALINITY BRINES FOR SUBSURFACE INJECTION
EDITOR OR COMP THOMPSON, K.C.; RABER, E.
CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA), LAWRENCE LIVERMORE LAB.
SEC REPT NO CONF-80C102--1
AVAILABILITY DEP. NTIS, PC A02/MF A01.

CONTRACT NO. CONTRACT W-7405-ENG-48
 CONF TITLE INTERNATIONAL CONFERENCE ON GEOTECHNICAL AND ENVIRONMENTAL
 ASPECTS OF GEOPRESSURE ENERGY
 CONF PLACE SEA ISLAND, GA. USA
 CONF DATE 13 JAN 1980
 DATE 6 AUG 1979
 REPORT NO UCRL-63122

ACCESSION NO. 79R0129745
 TITLE(MONO) APPARATUS AND TECHNIQUES FOR THE STUDY OF PRECIPITATION OF
 SOLIDS AND SILICA FROM HYPERSALINE GEOTHERMAL BRINE
 EDITOR OR COMP HILL, J.H.; HARRAR, J.E.; OTTO, C.H. JR.; DEUTSCHER, S.B.;
 CRAMPTON, H.E.; GROGAN, H.G.; HENDRICKS, V.H.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 AVAILABILITY DEP. NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 DATE 5 JUL 1979
 REPORT NO UCRL-52799

ACCESSION NO. 79R0110009
 TITLE(MONO) ON-LINE TESTS OF ORGANIC ADDITIVES FOR THE INHIBITION OF THE
 PRECIPITATION OF SILICA FROM HYPERSALINE GEOTHERMAL BRINE III.
 SCALING MEASUREMENTS AND TESTS OF OTHER METHODS OF BRINE
 MODIFICATION
 EDITOR OR COMP HARRAR, J.E.; LOCKE, F.E.; OTTO, C.H. JR.; LORENSEN, L.E.;
 FREY, W.P.; SNELL, E.O.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 AVAILABILITY DEP. NTIS, PC A03/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 DATE AUG 1979
 REPORT NO UCID-18238

ACCESSION NO. 79C0116668
 REPORT NO, PAGE EPA/600/7--78-121 PP. 46-54
 TITLE SAMPLING AND CHARACTERIZATION OF SUSPENDED SOLIDS IN BRINE FROM
 MAGMAX NUMBER 1 WELL
 AUTHORS HILL, J.H.; OTTO, C.H. JR.
 AUTHOR AFF UNIV. OF CALIFORNIA, LIVERMORE
 TITLE(MONO) SECOND WORKSHOP ON SAMPLING GEOTHERMAL EFFLUENTS
 EDITOR OR COMP GILMORE, D.B.
 SEC REPT NO CONF-770227--
 AVAILABILITY DEP. NTIS, PC A12/MF A01.
 CONF TITLE 2. WORKSHOP ON SAMPLING AND ANALYSIS OF GEOTHERMAL EFFLUENTS
 CONF PLACE LAS VEGAS, NV. USA
 CONF DATE 15 FEB 1977
 DATE JUN 1978
 REPORT NO EPA/600/7--78-121

ACCESSION NO. 79C0116641
 REPORT NO, PAGE LBL-8883 PP. 78-80
 TITLE GEOTHERMAL BRINE INJECTION EVALUATION METHODOLOGY
 AUTHORS QUONG, K.; OWEN, L.B.; TAROFF, G.E.
 AUTHOR AFF UNIV. OF CALIFORNIA, LIVERMORE
 TITLE(MONO) SECOND INVITATIONAL WELL-TESTING SYMPOSIUM PROCEEDINGS
 SEC REPT NO CONF-7810170--
 CONF TITLE 2. INTERNATIONAL WELL-TESTING SYMPOSIUM
 CONF PLACE BERKELEY, CA. USA
 CONF DATE 25 OCT 1978
 DATE 1978
 REPORT NO LBL-8883

ACCESSION NO. 79C0116640
 REPORT NO, PAGE LBL-8883 PP. 29-33
 TITLE COST-EFFECTIVE TREATMENT SYSTEM FOR THE STABILIZATION OF SPENT
 GEOTHERMAL BRINES
 AUTHORS VAN NITE, R.H. J.; FEATHERSTONE, J.L.; PAWLUSKI, B.S.
 AUTHOR AFF ENVIROTECH CORP., SAN MATEO, C
 TITLE(MONO) SECOND INVITATIONAL WELL-TESTING SYMPOSIUM PROCEEDINGS
 SEC REPT NO CONF-7810170--

CONF TITLE 2. INTERNATIONAL WELL-TESTING SYMPOSIUM
 CONF PLACE BERKELEY, CA, USA
 CONF DATE 25 OCT 1978
 DATE 1978
 REPORT NO LBL-8883

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ACCESSION NO. 79C0110429
 TITLE(MONO) USING SURFACE WATERS FOR SUPPLEMENTING INJECTION AT THE SALTON
 SEA GEOTHERMAL FIELD (SSGF), SOUTHERN CALIFORNIA
 EDITOR OR COMP RABER, E.; OWEN, L.B.; HARRAR, J.E.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 SEC REPT NO CONF-790900--15
 AVAILABILITY P 02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE GEOTHERMAL RESOURCES COUNCIL ANNUAL MEETING
 CONF PLACE HENO, NV, USA
 CONF DATE 24 SEP 1979
 DATE 10 JUL 1979
 REPORT NO UCRL-83011

24

ACCESSION NO. 79C0099051
 TITLE(MONO) SILICA CONTROL AND MATERIALS TESTS AT THE SALTON SEA GEOTHERMAL
 FIELD
 EDITOR OR COMP QUONG, R.; HARRAR, J.E.; MCCRIGHT, R.D.; LOCKE, R.D.; LORENSEN,
 L.E.; TARDIFF, G.E.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 SEC REPT NO CONF-790679--1
 AVAILABILITY P 02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE 3. ANNUAL EPRI GEOTHERMAL CONFERENCE
 CONF PLACE MONTEREY, CA, USA
 CONF DATE 26 JUN 1979
 DATE 7 JUN 1979
 REPORT NO UCRL-82814

25

ACCESSION NO. 79C0093192
 TITLE(MONO) TREATMENT METHODS FOR GEOTHERMAL BRINES
 EDITOR OR COMP PHILLIPS, S.L.; MATHUR, A.K.; GARRISON, W.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 SEC REPT NO CONF-790415--38
 AVAILABILITY DEP. NTIS, PC A03/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE 177. ACS NATIONAL MEETING
 CONF PLACE HONOLULU, HI, USA
 CONF DATE 1 APR 1979
 DATE APR 1979
 REPORT NO LBL-9100

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ACCESSION NO. 79R0093191
 TITLE(MONO) SCALE INHIBITION IN GEOTHERMAL OPERATIONS: EXPERIMENTS WITH
 DEQUEST 2000 PHOSPHONATE IN REPUBLIC'S EAST MESA FIELD
 EDITOR OR COMP VETTER, U.J.; CAMPBELL, D.A.
 CORPORATE AUTH VETTER RESEARCH, COSTA MESA, CA (USA); REPUBLIC GEOTHERMAL,
 INC., SANTA FE SPRINGS, CA (USA)
 AVAILABILITY DEP. NTIS, PC A04/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 DATE JUN 1979
 REPORT NO LBL-9089

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ACCESSION NO. 79R0077770
 TITLE(MONO) STUDIES OF BRINE CHEMISTRY, PRECIPITATION OF SOLIDS, AND SCALE
 FORMATION AT THE SALTON SEA GEOTHERMAL FIELD
 EDITOR OR COMP HARRAR, J.E.; OTTO, C.H. JR.; DEUTSCHER, S.B.; RYON, R.W.;
 TARDIFF, G.E.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 AVAILABILITY DEP. NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
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28

ACCESSION NO. 79C072609
 TITLE DEVELOPMENT OF INJECTION CRITERIA FOR GEOTHERMAL RESOURCES
 AUTHORS TEWHEY, J.O.; CHAN, M.A.; KASAMEYER, P.W.; OWEN, L.B.
 AUTHOR AFF UNIV. OF CALIFORNIA, LIVERMORE
 TITLE(MONO) GEOTHERMAL ENERGY: A NOVELTY BECOMES RESOURCE. TRANSACTIONS.
 VOLUME 2, SECTION 2
 SEC REPT NO CONF-780708--P2
 CONF TITLE GEOTHERMAL RESOURCES COUNCIL MEETING
 CONF PLACE HILO, HI, USA
 CONF DATE 25 JUL 1978
 PUBL LOC GEOTHERMAL RESOURCES COUNCIL, DAVIS, CA
 DATE 1978

29

ACCESSION NO. 79R0061542
 TITLE(MONO) UN-LINE TESTS OF ORGANIC ADDITIVES FOR THE INHIBITION OF THE
 PRECIPITATION OF SILICA FROM HYPERSALINE GEOTHERMAL BRINE
 EDITOR OR COMP HARRAR, J.E.; LOCKE, F.E.; LORENSEN, L.E.; OTTO, C.H. JR.;
 DEUTSCHER, S.B.; FREY, W.P.; LIM, R.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA), LAWRENCE LIVERMORE LAB.
 AVAILABILITY DEP. NTIS, PC A03/MF A01.
 CONTRACT NO CONTRACT #7405-ENG-48
 DATE 3 APR 1979
 REPORT NO UCID--18091

30

ACCESSION NO. 79C0035518
 TITLE(MONO) QUARTZ CONTENT OF GEOTHERMAL WELL CORE AND PH VALUE OF
 SUSPENSION
 EDITOR OR COMP HAYASHI, M.; YAMAZAKI, T.
 CORPORATE AUTH JAPAN GEOTHERMAL ENERGY ASSOCIATION, TOKYO
 AVAILABILITY TIC.
 CONF TITLE 3. MEETING OF THE JAPAN GEOTHERMAL ENERGY ASSOCIATION
 CONF PLACE TOKYO, JAPAN
 CONF DATE 9 DEC 1976
 DATE 1977
 REPORT NO CONF-761253--5

31

ACCESSION NO. 79C0011240
 TITLE USE OF A CHEMICAL EQUILIBRIUM COMPUTER CODE TO ANALYZE SCALE
 FORMATION AND CORROSION IN GEOTHERMAL BRINES. PAPER NO. SPE
 6592
 AUTHORS SHANNON, D.W.; MURRAY, J.R.; SMITH, R.P.
 AUTHOR AFF BATTELLE-NORTHWEST, RICHLAND, WA
 TITLE(MONO) PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON OILFIELD AND
 GEOTHERMAL CHEMISTRY.
 SEC REPT NO CONF-770609--
 CONF TITLE SPE INTERNATIONAL SYMPOSIUM ON OILFIELD AND GEOTHERMAL CHEMISTRY
 CONF PLACE SAN DIEGO, CA, USA
 CONF DATE 27 JUN 1977
 PUBL LOC SOCIETY OF PETROLEUM ENGINEERS OF AIME, DALLAS
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32

ACCESSION NO. 79C0001554
 TITLE(MONO) APPARATUS FOR THE FIELD EVALUATION OF GEOTHERMAL EFFLUENT
 INJECTION
 EDITOR OR COMP NETHERTON, R.; OWEN, L.B.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA), LAWRENCE LIVERMORE LAB.
 SEC REPT NO CONF-780708--22
 AVAILABILITY DEP. NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT #7405-ENG-48
 CONF TITLE GEOTHERMAL RESOURCES COUNCIL MEETING
 CONF PLACE HILO, HI, USA
 CONF DATE 25 JUL 1978
 DATE JUL 1978
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33

ACCESSION NO. 78C0127431
 TITLE(MONO) PROCESSING OF GEOTHERMAL BRINE EFFLUENTS FOR INJECTION
 EDITOR OR COMP QUONG, R.; SCHUEPFLIN, F.; STOUT, N.D.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA), LAWRENCE LIVERMORE LAB.

SEC REPT NO
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 DSP. NTIS. PC A02/MF A01.
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 24 MAR 1978
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34

ACCESSION NO.
 TITLE(MONO)
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78C0123944
 PROCESSING OF GEOTHERMAL BRINE EFFLUENTS FOR INJECTION
 QUONG, R.; SCHUEPFLIN, F.; STOUT, N.D.; TARDIFF, G.E.; MCLAIN, F.R.

CORPORATE AUTH
 SEC REPT NO
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 CONF-78C708--12
 DEP. NTIS. PC A02/MF A01.
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 HILO, HI, USA
 25 JUL 1978
 17 MAY 1978
 UCRL--80945(REV.1)

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ACCESSION NO.
 TITLE(MONO)
 EDITOR OR COMP

78C0107918
 EFFECTS OF ORGANIC ADDITIVES ON THE FORMATION OF SOLIDS FROM
 HYPERSALINE GEOTHERMAL BRINE
 HARRAR, J.E.; LORENSEN, L.E.; OTTO, C.H. JR.; DEUTSCHER, S.B.;
 TARDIFF, G.E.

CORPORATE AUTH
 SEC REPT NO
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CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 CONF-78C708--17
 DEP. NTIS. MF A01.
 CONTRACT W-7405-ENG-48
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 HILO, HI, USA
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36

ACCESSION NO.
 TITLE(MONO)
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78R0101217
 ANALYSIS OF WATER REINJECTION AT THE NILAND GEOTHERMAL TEST SITE
 JORDA, R.M.
 COMPLETION TECHNOLOGY CO., HOUSTON, TEX. (USA)
 DEP. NTIS. PC A05/MF A01.
 CONTRACT EY-76-C-04-6789
 MAY 1978
 SAND--78-7052

37

ACCESSION NO.
 TITLE
 AUTHORS
 AUTHOR AFF
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 CONF TITLE
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78J0095088
 COMPUTER MODELING OF SCALING IN GEOTHERMAL POWER PLANTS
 SHANNON, D.W.; LESSOR, D.L.; MURREY, J.R.
 BATTELLE NORTHWEST LAB., RICHLAND, WA
 TRANS. AM. NUCL. SOC., V. 28, PP. 4-5
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ACCESSION NO.
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 AUTHOR AFF
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78J0095086
 INJECTION CHEMISTRY
 OWEN, L.B.; TARDIFF, G.E.
 UNIV. OF CALIFORNIA, LIVERMORE
 TRANS. AM. NUCL. SOC., V. 28, P. 4
 ANS ANNUAL MEETING
 SAN DIEGO, CA, USA
 18 JUN 1978
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DROP NOTE
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ACCESSION NO. 78C0089262
TITLE(MONO) PREDICTING THE RATE BY WHICH SUSPENDED SOLIDS PLUG GEOTHERMAL
INJECTION WELLS
EDITOR OR COMP UWENS, L.B.; KASAMEYER, P.W.; NETHERTON, R.; THORSON, L.
CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
SEC REPT NO CONF-771243--1
AVAILABILITY DEP. NTIS, PC A02/MF A01.
CONTRACT NO CONTRACT W-7405-ENG-48
CONF TITLE J. WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING
CONF PLACE PALO ALTO, CA, USA
CONF DATE 14 DEC 1977
DATE 9 JAN 1978
REPORT NO UCRL--80529

40

ACCESSION NO. 78U0083801
REPORT NO, PAGE EPRI-ER--660-SR PP. 2.15-2.31
TITLE BRINE CHEMISTRY/COMBINED HEAT AND MASS TRANSFER
AUTHORS SHANNON, D.W.; FALETTI, D.W.; LESSOR, D.L.; MORREY, J.R.
AUTHOR AFF BATTELLE PACIFIC NORTHWEST LABS., RICHLAND, WA
TITLE(MONO) EPRI ANNUAL GEOTHERMAL PROGRAM
EDITOR OR COMP LA MORI, P.N.; ROBERTS, V.W. (EDS.)
DATE JAN 1978
REPORT NO EPRI-ER--660-SR

41

ACCESSION NO. 78R0078640
TITLE(MONO) ENGINEERING STUDY OF WATER REINJECTION FOR GEOTHERMAL SYSTEMS.
SECTION I. WATER INJECTION WELL FUNDAMENTALS. SECTION II.
THE INJECTION WELL MODEL. SECTION III. SOURCES OF WATER
CONTAMINANTS. SECTION IV. SIMULATING THE DOWN-HOLE BEHAVIOR
OF INJECTORS. SECTION V. THE OVERALL INFLUENCE OF DAMAGE
NEAR THE WELL BORE
EDITOR OR COMP JORDA, R.M.
CORPORATE AUTH COMPLETION TECHNOLOGY CO., HOUSTON, TEX. (USA)
AVAILABILITY DEP. NTIS, PC A06/MF A01.
CONTRACT NO CONTRACT EY-76-C-04-0789
DATE JAN 1978
REPORT NO SAND--78-7009

42

ACCESSION NO. 78R0059354
TITLE(MONO) BRINE CHEMISTRY AND COMBINED HEAT/MASS TRANSFER. VOLUME 1
EDITOR OR COMP SHANNON, D.W.
CORPORATE AUTH BATTELLE PACIFIC NORTHWEST LABS., RICHLAND, WASH. (USA)
AVAILABILITY DEP. NTIS, PC A11/MF A01.
CONTRACT NO CONTRACT EY-76-C-06-1830
DATE JAN 1978
REPORT NO EPRI-ER--635(VOL.1)

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ACCESSION NO. 78R0059346
TITLE(MONO) CONDITIONING OF GEOTHERMAL BRINE EFFLUENTS FOR INJECTION: USE
OF COAGULANTS
EDITOR OR COMP QUONG, R.; SHOEPLIN, F.; STOUT, N.D.
CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
AVAILABILITY DEP. NTIS, PC A02/MF A01.
CONTRACT NO CONTRACT W-7405-ENG-48
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REPORT NO UCID--17716

44

ACCESSION NO. 78R0014139
TITLE(MONO) DETERMINATION OF THE RATE OF FORMATION OF SOLIDS FROM
HYPERHALINE GEOTHERMAL BRINE AS A FUNCTION OF PH
EDITOR OR COMP HARRAR, J.E.; OTTO, C.H. JR.; HILL, J.H.; MURRIS, C.J.; LIM, R.;
DEUTSCHER, S.B.
CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
AVAILABILITY DEP. NTIS, PC A02/MF A01.
CONTRACT NO CONTRACT W-7405-ENG-48

DATE 28 SEP 1977
REPORT NO UC10--17596

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ACCESSION NO. 7800014124
REPORT NO. PAGE UCRL--50046-76 PP. 51-120
TITLE BRINE CHEMISTRY AND MATERIALS
TITLE(MONO) LLL GEOTHERMAL ENERGY PROGRAM. STATUS REPORT, JANUARY
1976--JANUARY 1977
EDITOR OR COMP AUSTIN, A.L.; LUNDBERG, A.W.; OWEN, L.B.; TANDIFF, G.E.
ED AFF COMPS.
CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
DATE 27 APR 1977
REPORT NO UCRL--50046-76

46
ACCESSION NO. 7800002094
TITLE CALCULATION OF BRINE PROPERTIES
AUTHORS DITTMAN, G.L.
AUTHOR AFF UNIV. OF CALIFORNIA, LIVERMORE
TITLE(MONO) GEOTHERMAL: STATE OF THE ART
CONF TITLE GEOTHERMAL RESOURCES COUNCIL
CONF PLACE SAN DIEGO, CALIFORNIA, UNITED STATES OF AMERICA (USA)
CONF DATE 9 MAY 1977
PUBL LOC GEOTHERMAL RESOURCES COUNCIL, DAVIS, CA
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47
ACCESSION NO. 7800002066
TITLE SCALE AND SOLIDS DEPOSITION IN THE SDG AND E/U.S. ERDA
GEOTHERMAL LOOP EXPERIMENTAL FACILITY AT NILAND, CALIFORNIA
AUTHORS QUONG, K.; BISHOP, M.K.; HILL, J.H.
AUTHOR AFF LAWRENCE LIVERMORE LAB., CA
TITLE(MONO) GEOTHERMAL: STATE OF THE ART
CONF TITLE GEOTHERMAL RESOURCES COUNCIL
CONF PLACE SAN DIEGO, CALIFORNIA, UNITED STATES OF AMERICA (USA)
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DATE 1977
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48
ACCESSION NO. 7800002061
TITLE SOLIDS CONTROL FOR HIGH SALINITY GEOTHERMAL BRINES
AUTHORS HILL, J.H.; OTTO, C.H. JR.; MORRIS, C.J.
AUTHOR AFF UNIV. OF CALIFORNIA, LIVERMORE
TITLE(MONO) GEOTHERMAL: STATE OF THE ART
CONF TITLE GEOTHERMAL RESOURCES COUNCIL
CONF PLACE SAN DIEGO, CALIFORNIA, UNITED STATES OF AMERICA (USA)
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PUBL LOC GEOTHERMAL RESOURCES COUNCIL, DAVIS, CA
DATE 1977
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49
ACCESSION NO. 7700137685
TITLE(MONO) STUDY OF TREATMENT METHODS FOR GEOTHERMAL FLUIDS
EDITOR OR COMP PHILLIPS, S.L.; MATHUR, A.K.; JOEGLER, R.E.
CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
SEC REPT NO CONF-770609--5
AVAILABILITY DEP. NTIS, PC A-2/MF A01.
CONTRACT NO CONTRACT W-7405-ENG-48
CONF TITLE SPE INTERNATIONAL SYMPOSIUM ON OILFIELD AND GEOTHERMAL CHEMISTRY
CONF PLACE SAN DIEGO, CA, USA
CONF DATE 27 JUN 1977
DATE MAY 1977
REPORT NO LBL--6337

50
ACCESSION NO. 7700105699
REPORT NO. PAGE CDD--2637-4 PP. 215-245
TITLE GEOSCALE COMPUTER MODEL FOR GEOTHERMAL PLANT SCALING AND
CORROSION ANALYSES

AUTHORS SHANNON, D.W.; WALTER, R.A.; LESSOR, D.L.
 AUTHOR AFF BATTELLE PACIFIC NORTHWEST LABS., RICHLAND, WA
 TITLE(MONO) CONFERENCE ON SCALE MANAGEMENT IN GEOTHERMAL ENERGY DEVELOPMENT
 CORPORATE AUTH EIC CORP., NEWTON, MA (USA)
 SEC REPT NO CONF-760844--
 CONTRACT NO EY-76-C-02-2607
 CONF TITLE CONFERENCE ON SCALE MANAGEMENT IN GEOTHERMAL ENERGY DEVELOPMENT
 CONF PLACE SAN DIEGO, CA, USA
 CONF DATE 2 AUG 1976
 DATE 1976
 REPORT NO CDD--2607-4

51

ACCESSION NO. 77C0105654
 REPORT NO. PAGE CDD--2607-4 PP. 161-166
 TITLE INHIBITING DEPOSITION OF SILICEOUS SCALE
 AUTHORS GRENS, J.Z.; OWEN, L.B.
 AUTHOR AFF UNIV. OF CALIFORNIA, LIVERMORE
 TITLE(MONO) CONFERENCE ON SCALE MANAGEMENT IN GEOTHERMAL ENERGY DEVELOPMENT
 CORPORATE AUTH EIC CORP., NEWTON, MA (USA)
 SEC REPT NO CONF-760844--
 CONTRACT NO EY-76-C-02-2607
 CONF TITLE CONFERENCE ON SCALE MANAGEMENT IN GEOTHERMAL ENERGY DEVELOPMENT
 CONF PLACE SAN DIEGO, CA, USA
 CONF DATE 2 AUG 1976
 DATE 1976
 REPORT NO CDD--2607-4

52

ACCESSION NO. 77C0060815
 TITLE BEHAVIOR OF SILICA IN GEOTHERMAL WASTE WATERS
 AUTHORS CUELLAR, G.
 AUTHOR AFF CEL-LABORATORIO GEOQUIMICO, SAN SALVADOR, EL SALVADOR
 TITLE(MONO) PROCEEDINGS OF THE SECOND UNITED NATIONS SYMPOSIUM ON THE
 DEVELOPMENT AND USE OF GEOTHERMAL RESOURCES. VOL. 2
 CONF TITLE 2. UNITED NATIONS SYMPOSIUM ON THE DEVELOPMENT AND USE OF
 GEOTHERMAL RESOURCES
 CONF PLACE SAN FRANCISCO, CA, USA
 CONF DATE 20 MAY 1975
 PUBL LOC UNIV. OF CALIFORNIA, BERKELEY, CA
 DATE 1976
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53

ACCESSION NO. 76C0052140
 TITLE PRECIPITATION OF AMORPHOUS SILICA FROM
 HIGH-TEMPERATURE-HYPERSALINE GEOTHERMAL BRINE (ABSTRACT)
 AUTHORS OWEN, L.B.; JACKSON, D.
 AUTHOR AFF UNIV. OF CALIFORNIA, LIVERMORE
 PUB DESC EOS, TRANS., AM. GEOPHYS. UNION, V. 57, NO. 4, P. 354
 CONF TITLE AGU 1976 SPRING ANNUAL MEETING
 CONF PLACE WASHINGTON, DC, USA
 CONF DATE 12 APR 1976
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54

ACCESSION NO. 76R0001348
 TITLE(MONO) PRECIPITATION OF AMORPHOUS SILICA FROM HIGH-TEMPERATURE
 HYPERSALINE GEOTHERMAL BRINES
 EDITOR OR COMP OWEN, L.B.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA), LAWRENCE LIVERMORE LAB.
 AVAILABILITY DEP. NTIS 54.30.
 CONTRACT NO CONTRACT W-7405-ENG-48
 DATE JUN 1975
 REPORT NO UCRL--51866

55

ACCESSION NO. 75R0005321
 TITLE(MONO) SPECIAL TECHNIQUES FOR DETERMINING CHEMICAL PROPERTIES OF
 GEOTHERMAL WATER. (WATER-RESOURCES INVESTIGATIONS, FINAL)
 EDITOR OR COMP PRESSER, T.S.; BARNES, I.
 CORPORATE AUTH GEOLOGICAL SURVEY, MENLO PARK, CALIF. (USA)
 SEC REPT NO USGS/WR1--22-74; USGS/WRD--74-028

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2. Chemical Conditioning of Geothermal Fluids

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ACCESSION NO. 81R0055761
 TITLE(MONO) EVALUATION OF RESERVOIR PROPERTIES IN A PORTION OF THE SALTON SEA GEOTHERMAL FIELD
 EDITOR OR COMP MORSE, J.G.; STONE, R.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 AVAILABILITY NTIS, PC A04/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 DATE 4 APR 1979
 REPORT NO UCRL--52756

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ACCESSION NO. 81R0032012
 TITLE(MONO) PARTICLE CHARACTERIZATION FOR GEOTHERMAL OPERATIONS
 EDITOR OR COMP VETTER, U.J.; KANDARPA, V.
 CORPORATE AUTH VETTER RESEARCH, COSTA MESA, CA (USA)
 AVAILABILITY NTIS, PC A03/MF A01.
 CONTRACT NO CONTRACT AC03-78ET27146
 DATE 6 JAN 1981
 REPORT NO DOE/ET/27146--T1

3

ACCESSION NO. 81R0021225
 TITLE(MONO) STUDIES OF BRINE CHEMISTRY AND SCALING AT THE SALTON SEA GEOTHERMAL FIELD, 1977-1979. FINAL REPORT
 EDITOR OR COMP HARRAR, J.E.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 AVAILABILITY NTIS, PC A03/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
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 REPORT NO UCID--18917

4

ACCESSION NO. 81R0016331
 TITLE(MONO) SYNOPSIS OF R AND D IN GEOTHERMAL-GEOCHEMICAL ENGINEERING AT THE LAWRENCE LIVERMORE NATIONAL LABORATORY 1976-1980
 EDITOR OR COMP HARRAR, J.E.
 ED AFF COMP.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE NATIONAL LAB.
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 DATE DEC 1980
 REPORT NO UCID--18863

5

ACCESSION NO. 80R0122595
 TITLE(MONO) TESTS OF PROPRIETARY CHEMICAL ADDITIVES AS ANTISCALANTS FOR HYPERSALINE GEOTHERMAL BRINE. FINAL REPORT
 EDITOR OR COMP HARRAR, J.E.; LOCKE, F.E.; DITU, C.H. JR.; DEUTSCHER, S.B.; FREY, W.P.; LORENSEN, L.E.; SNELL, E.O.; LIM, R.; RYON, R.W.; QUONG, K.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 AVAILABILITY NTIS, PC A03/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
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 REPORT NO UCID--18521

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ACCESSION NO. 80C0105759
 REPORT NO, PAGE SGP-TR--40 PP. 41-47
 TITLE REINJECTION TESTING AT BROADLANDS
 AUTHORS BIXLEY, P.F.; GRANT, M.A.
 AUTHOR AFF MINISTRY OF WORKS AND DEVELOPMENT, WAIRAKEI, NEW ZEALAND
 TITLE(MONO) PROCEEDINGS OF FIFTH WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING, DECEMBER 12-14, 1979
 EDITOR OR COMP RAMEY, H.J. JR.; KRUGER, P. (EDS.)
 SEC REPT NO CONF-791235--
 AVAILABILITY NTIS, PC A17/MF A01.
 CONF TITLE 5. GEOTHERMAL RESERVOIR ENGINEERING WORKSHOP
 CONF PLACE STANFORD, CA, USA
 CONF DATE 12 DEC 1979
 DATE 1979
 REPORT NO SGP-TR--40

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ACCESSION NO. 80C0094908
 REPORT NO. PAGE SGP-TR--30 PP. 294-299
 TITLE PREDICTING THE PRECIPITATION OF AMORPHOUS SILICA FROM
 GEOTHERMAL BRINES
 AUTHORS WERES, U.; YEE, A.; TSAO, L.
 AUTHOR AFF LAWRENCE BERKELEY LAB., CA
 TITLE(MONO) PROCEEDINGS FOURTH WORKSHOP GEOTHERMAL RESERVOIR ENGINEERING
 EDITOR OR COMP KRUGER, P.; RAMEY, H.J. JR. (EDS.)
 SEC REPT NO CONF-781222--
 AVAILABILITY NTIS, PC A15/MF A01.
 CONF TITLE 4. WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING
 CONF PLACE STANFORD, CA, USA
 CONF DATE 13 DEC 1978
 DATE 1978
 REPORT NO SGP-TR--30

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ACCESSION NO. 80C0063138
 TITLE(MONO) THEORETICAL STUDIES OF CERRO PRIETO BRINES CHEMICAL EQUILIBRIA
 EDITOR OR COMP IGLESIAS, E.R.; WERES, U.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 SEC REPT NO CONF-7910160--1
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE 2. SYMPOSIUM ON THE CERRO PRIETO GEOTHERMAL FIELD
 CONF PLACE BAJA CALIFORNIA, MEXICO
 CONF DATE 17 OCT 1979
 DATE FEB 1980
 REPORT NO LBL--9563

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ACCESSION NO. 80C0082158
 TITLE(MONO) IMPROVING THE PERFORMANCE OF BRINE WELLS AT GULF COAST
 STRATEGIC PETROLEUM RESERVE SITES
 EDITOR OR COMP OWEN, L.B.; QUONG, R. (EDS.)
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 AVAILABILITY NTIS, PC A23/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 DATE 5 NOV 1979
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ACCESSION NO. 80C0076791
 TITLE(MONO) PROCESSING OF HIGH SALINITY BRINES FOR SUBSURFACE INJECTION
 EDITOR OR COMP RAHER, E.; THOMPSON, R.E.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.;
 NATIONAL TECHNICAL SERVICES, INC., CORVALLIS, OR (USA)
 SEC REPT NO CONF-800102--4
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE INTERNATIONAL CONFERENCE ON GEOTECHNICAL AND ENVIRONMENTAL
 ASPECTS OF GEOPRESSURE ENERGY
 CONF PLACE SEA ISLAND, GA, USA
 CONF DATE 13 JAN 1980
 DATE 6 AUG 1979
 REPORT NO UCRL--83122(REV.1)

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ACCESSION NO. 80C0060979
 REPORT NO. PAGE UCID--18596 PP. 37-71
 TITLE SCALE CONTROL ADDITIVES
 AUTHORS HARRAR, J.E.; LUCKE, F.E.; LORENSEN, L.E.; QUONG, R.; OTTO,
 C.H. JR.; FREY, W.P.; DEUTSCHER, S.B.; SNELL, E.U.; LIM, H.
 TITLE(MONO) LLL INDUSTRIAL SUPPORT PROGRAM TEST RESULTS ON SCALE CONTROL,
 CORROSION, H2S ABATEMENT, AND INJECTION AT THE SALTON SEA
 GEOTHERMAL FIELD IN FY 79
 EDITOR OR COMP QUONG, R.; OWEN, L.B.
 AVAILABILITY DEP. NTIS, PC A09/MF A01.
 DATE MAR 1980
 REPORT NO UCID--18596

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ACCESSION NO. 80C0060978
 REPORT NO. PAGE UCID--18596 PP. 3-36

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TITLE SCALING RATE AND SCALE PROPERTIES
 AUTHORS DEUTSCHER, S.B.; QUONG, R.; RUSS, D.M.; HARRAR, J.E.
 TITLE(MONO) LLL INDUSTRIAL SUPPORT PROGRAM TEST RESULTS ON SCALE CONTROL,
 CORROSION, HSSUB 2SS ABATEMENT, AND INJECTION AT THE SALTON SEA
 GEOTHERMAL FIELD IN FY 79
 EDITOR OR COMP QUONG, R.; OWEN, L.B.
 AVAILABILITY DEP. NTIS, PC A09/MF A01.
 DATE MAR 1980
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ACCESSION NO. 80R0060977
 TITLE(MONO) LLL INDUSTRIAL SUPPORT PROGRAM TEST RESULTS ON SCALE CONTROL,
 CORROSION, HSSUB 2SS ABATEMENT, AND INJECTION AT THE SALTON SEA
 GEOTHERMAL FIELD IN FY 79
 EDITOR OR COMP QUONG, R.; OWEN, L.B.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 AVAILABILITY DEP. NTIS, PC A09/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 DATE MAR 1980
 REPORT NO UCID--18596

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ACCESSION NO. 80U0060973
 REPORT NO. PAGE UCID--18596 PP. 137-184
 TITLE INJECTION STUDIES
 AUTHORS OWEN, L.B.; RABER, E.; HARRAR, J.; OTTO, C.; NETHERTON, R.
 TITLE(MONO) LLL INDUSTRIAL SUPPORT PROGRAM TEST RESULTS ON SCALE CONTROL,
 CORROSION, HSSUB 2SS ABATEMENT, AND INJECTION AT THE SALTON SEA
 GEOTHERMAL FIELD IN FY 79
 EDITOR OR COMP QUONG, R.; OWEN, L.B.
 AVAILABILITY DEP. NTIS, PC A09/MF A01.
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ACCESSION NO. 80U0060972
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 TITLE HSSUB 2SS ABATEMENT
 AUTHORS QUONG, R.; KNAUSS, K.G.; STOUT, N.D.; OWEN, L.B.; OTTO, C.H. JR.
 TITLE(MONO) LLL INDUSTRIAL SUPPORT PROGRAM TEST RESULTS ON SCALE CONTROL,
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 GEOTHERMAL FIELD IN FY 79
 EDITOR OR COMP QUONG, R.; OWEN, L.B.
 AVAILABILITY DEP. NTIS, PC A09/MF A01.
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 REPORT NO UCID--18596

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 EDITOR OR COMP VETTER, D.J.; CRICLOW, H.B.
 CORPORATE AUTH VETTER RESEARCH, COSTA MESA, CA (USA); PETROLEUM TRAINING AND
 TECHNICAL SERVICES, NORMAN, OK (USA)
 AVAILABILITY DEP. NTIS, PC A09/MF A01.
 CONTRACT NO CONTRACT ET-78-C-03-2044
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 TITLE(MONO) STUDIES OF THE DISSOLUTION OF GEOTHERMAL SCALE
 EDITOR OR COMP DEUTSCHER, S.B.; RUSS, D.M.; QUONG, R.; HARRAR, J.E.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 AVAILABILITY DEP. NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
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 REPORT NO UCRL--52897

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 ACCESSION NO. 80C0039931
 TITLE SULFIDE PRECIPITATION OF HEAVY METALS FROM HIGH SALINITY

AUTHORS	GEOTHERMAL BRINE
AUTHOR AFF	BARTLETT, R.W.; MACDONALD, D.D.; FARLEY, E.P.
TITLE(MONO)	SRI INTERNATIONAL, MENLO PARK, CA
SEC REPT NO	EXPANDING THE GEOTHERMAL FRONTIER
CONF TITLE	CONF-790906--
CONF PLACE	GEOTHERMAL RESOURCES COUNCIL ANNUAL MEETING
CONF DATE	RENO, NV, USA
PUBL LOC	24 SEP 1979
DATE	GEOTHERMAL RESOURCES COUNCIL, DAVIS, CA
	1979
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TITLE	COST-EFFECTIVE TREATMENT SYSTEM FOR THE STABILIZATION OF SPENT
	GEOTHERMAL BRINES
AUTHORS	FEATHERSTONE, J.L.; VAN NOTE, R.H.; PAWLOWSKI, B.S.
TITLE(MONO)	EXPANDING THE GEOTHERMAL FRONTIER
SEC REPT NO	CONF-790906--
CONF TITLE	GEOTHERMAL RESOURCES COUNCIL ANNUAL MEETING
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	OPERATION AT THE SALTON SEA GEOTHERMAL FIELD, SOUTHERN
	CALIFORNIA
EDITOR OR COMP	OWEN, L.B.; HABER, E.; OTTO, C.; NETHERTON, R.; NEURATH, R.;
	ALLEN, L.
CORPORATE AUTH	CALIFORNIA UNIV., LIVERMORE (USA), LAWRENCE LIVERMORE LAB.
AVAILABILITY	DEP. NTIS, PC A03/MF A01.
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EDITOR OR COMP	THOMPSON, R.E.; HABER, E.
CORPORATE AUTH	CALIFORNIA UNIV., LIVERMORE (USA), LAWRENCE LIVERMORE LAB.
SEC REPT NO	CONF-800102--1
AVAILABILITY	DEP. NTIS, PC A02/MF A01.
CONTRACT NO	CONTRACT W-7405-ENG-48
CONF TITLE	INTERNATIONAL CONFERENCE ON GEOTECHNICAL AND ENVIRONMENTAL
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TITLE	SUBSURFACE DISPOSAL OF OILFIELD BRINES AND PETROCHEMICAL WASTES
AUTHORS	DONALDSON, E.C.
AUTHOR AFF	DEPT. OF ENERGY, BARTLESVILLE, OK
TITLE(MONO)	PROCEEDINGS OF THE US DEPARTMENT OF ENERGY ENVIRONMENTAL
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AVAILABILITY	DEP. NTIS, PC A99/MF A01.
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AUTHORS RINEY, T.D.; REYNOLDS, S.L.
 AUTHOR AFF SYSTEMS, SCIENCE AND SOFTWARE, LA JOLLA, CA
 TITLE(MONO) PROCEEDINGS OF THE SECOND GEOTHERMAL CONFERENCE AND WORKSHOP
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 AVAILABILITY DEP. NTIS, PC A06/MF A01.
 CONF TITLE 2. GEOTHERMAL CONFERENCE
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 TITLE GEOTHERMAL BRINE INJECTION EVALUATION METHODOLOGY
 AUTHORS QUONG, R.; OWEN, L.B.; TARDIFF, G.E.
 AUTHOR AFF UNIV. OF CALIFORNIA, LIVERMORE
 TITLE(MONO) SECOND INVITATIONAL WELL-TESTING SYMPOSIUM PROCEEDINGS
 SEC REPT NO CONF-7810170--
 CONF TITLE 2. INTERNATIONAL WELL-TESTING SYMPOSIUM
 CONF PLACE BERKELEY, CA, USA
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 DATE 1978
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 EDITOR OR COMP SEA GEOTHERMAL FIELD (SSGF), SOUTHERN CALIFORNIA
 CORPORATE AUTH RABER, E.; OWEN, L.B.; HARRAR, J.E.
 SEC REPT NO CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 AVAILABILITY CONF-790906--15
 CONTRACT NO P 02/MF A01.
 CONF TITLE CONTRACT W-7405-ENG-48
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 EDITOR OR COMP FIELD
 CORPORATE AUTH QUONG, R.; HARRAR, J.E.; MCCRIGHT, R.D.; LOCKE, R.D.; LORENSEN,
 SEC REPT NO L.E.; TARDIFF, G.E.
 AVAILABILITY CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 CONTRACT NO CONF-790679--1
 CONF TITLE P 02/MF A01.
 CONF PLACE CONTRACT W-7405-ENG-48
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 CONF PLACE MUNTEREY, CA, USA
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 EDITOR OR COMP PHILLIPS, S.L.; MATHUR, A.K.; GARRISON, W.
 CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
 SEC REPT NO CONF-790415--38
 AVAILABILITY DEP. NTIS, PC A03/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
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FREY, W.P.
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CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
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CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
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EDITOR OR COMP LEIBERICH, A.; HOKE, S.H.; COLLINS, A.G.
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ENERGY TECHNOLOGY CENTER
AVAILABILITY DEP. NTIS, PC A02/MF A01.
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TITLE(MONO) PROCESSING OF GEOTHERMAL BRINE EFFLUENTS FOR INJECTION
EDITOR OR COMP QUONG, R.; SCHUEPFLIN, F.; STOUT, N.D.
CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
SEC REPT NO CONF-780708--10
AVAILABILITY DEP. NTIS, PC A02/MF A01.
CONTRACT NO CONTRACT W-7405-ENG-48
CONF TITLE GEOTHERMAL RESOURCES COUNCIL MEETING
CONF PLACE HILO, HI, USA
CONF DATE 25 JUL 1978
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F.R.
CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
SEC REPT NO CONF-780708--12
AVAILABILITY DEP. NTIS, PC A02/MF A01.
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CONF PLACE HILO, HI, USA
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ACCESSION NO. 78J0095066
 TITLE INJECTION CHEMISTRY
 AUTHORS JWEN, L.B.; JARDIFF, J.E.
 AUTHOR AFF UNIV. OF CALIFORNIA, LIVERMORE
 PUB DESC TRANS. AM. NUCL. SOC., V. 20, P. 4
 CONF TITLE ANS ANNUAL MEETING
 CONF PLACE SAN DIEGO, CA, USA
 CONF DATE 10 JUN 1978
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 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 SEC REPT NO CONF-771243--1
 AVAILABILITY DEP. NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE 3. WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING
 CONF PLACE PALO ALTO, CA, USA
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 TITLE METHODS FOR GEOTHERMAL BRINE TREATMENT
 AUTHORS PHILLIPS, S.L.; MATHUR, A.K.
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 TITLE(MONO) EPRI ANNUAL GEOTHERMAL PROGRAM
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 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
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 TITLE(MONO) ENERGY AND TECHNOLOGY REVIEW
 EDITOR OR COMP SHAY, H.D. (ED.)
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 EDITOR OR COMP QUONG, R.; SCHOEPFLIN, F.; STOUT, N.D.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 AVAILABILITY DEP. NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
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 EDITOR OR COMP RYON, R.W.; HILL, J.H.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 AVAILABILITY DEP. NTIS, PC A02/MF A01.
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EDITOR OR COMP HARRAR, J.E.; OTTO, C.H. JR.; HILL, J.H.; MORRIS, C.J.; LIM, R.;
DEUTSCHER, S.B.
CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
AVAILABILITY DEP. NTIS, PC A62/MF A01.
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EDITOR OR COMP AUSTIN, A.L.; LUNDBERG, A.W.; OWEN, L.B.; TARDIFF, G.E.
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CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
DATE 27 APR 1977
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TITLE SCALE AND SOLIDS DEPOSITION IN THE SDG AND E/U.S. ERDA
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AUTHORS QUONG, R.; BISHOP, H.K.; HILL, J.H.
AUTHOR AFF LAWRENCE LIVERMORE LAB., CA
TITLE(MONO) GEOTHERMAL: STATE OF THE ART
CONF TITLE GEOTHERMAL RESOURCES COUNCIL
CONF PLACE SAN DIEGO, CALIFORNIA, UNITED STATES OF AMERICA (USA)
CONF DATE 9 MAY 1977
PUBL LOC GEOTHERMAL RESOURCES COUNCIL, DAVIS, CA
DATE 1977
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AUTHORS OWEN, L.B.
AUTHOR AFF LAWRENCE LIVERMORE LAB., CA
TITLE(MONO) GEOTHERMAL: STATE OF THE ART
CONF TITLE GEOTHERMAL RESOURCES COUNCIL
CONF PLACE SAN DIEGO, CALIFORNIA, UNITED STATES OF AMERICA (USA)
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TITLE FIELD EVALUATION OF SCALE CONTROL METHODS: ACIDIFICATION
AUTHORS GRENS, J.Z.; OWEN, L.B.
AUTHOR AFF LAWRENCE LIVERMORE LAB., CA
TITLE(MONO) GEOTHERMAL: STATE OF THE ART
CONF TITLE GEOTHERMAL RESOURCES COUNCIL
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EDITOR OR COMP PHILLIPS, S.L.; MATHUR, A.K.; DEEBLER, R.E.
CORPORATE AUTH CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
SEC REPT NO CONF-770609--5

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CONTRACT NO	CONTRACT W-7405-ENG-48
CONF TITLE	SPE INTERNATIONAL SYMPOSIUM ON OILFIELD AND GEOTHERMAL CHEMISTRY
CONF PLACE	SAN DIEGO, CA, USA
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TITLE	CHEMICAL AND MECHANICAL TREATMENT OF WATER-INPUT WELLS
AUTHORS	BOSSLER, R.B.; TAYLOR, S.S.
AUTHOR AFF	BRUNNED OIL CORP., OIL CITY, PA
TITLE(MONO)	SUPPLEMENT 2 TO SECONDARY RECOVERY OF OIL IN THE UNITED STATES.
	1942
CONF TITLE	26. ANNUAL MEETING OF THE AMERICAN PETROLEUM INSTITUTE
CONF PLACE	CHICAGO, IL, USA
CONF DATE	12 NOV 1946
PUBL LOC	AMERICAN PETROLEUM INST., DALLAS
DATE	1947
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AUTHORS	GRENS, J.Z.; OWEN, L.B.
AUTHOR AFF	UNIV. OF CALIFORNIA, LIVERMORE
TITLE(MONO)	CONFERENCE ON SCALE MANAGEMENT IN GEOTHERMAL ENERGY DEVELOPMENT
CORPORATE AUTH	SIC CORP., NEWTON, MA (USA)
SEC REPT NO	CONF-760844--
CONTRACT NO	EY-76-C-02-2607
CONF TITLE	CONFERENCE ON SCALE MANAGEMENT IN GEOTHERMAL ENERGY DEVELOPMENT
CONF PLACE	SAN DIEGO, CA, USA
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TITLE	REMOVAL OF SILICA AND ARSENIC FROM GEOTHERMAL DISCHARGE WATERS BY PRECIPITATION OF USE CALCIUM SILICATES
AUTHORS	ROTHBAUM, H.P.; ANDERTON, B.H.
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TITLE(MONO)	PROCEEDINGS OF THE SECOND UNITED NATIONS SYMPOSIUM ON THE DEVELOPMENT AND USE OF GEOTHERMAL RESOURCES. VOL. 2
CONF TITLE	2. UNITED NATIONS SYMPOSIUM ON THE DEVELOPMENT AND USE OF GEOTHERMAL RESOURCES
CONF PLACE	SAN FRANCISCO, CA, USA
CONF DATE	20 MAY 1975
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AUTHORS	CUELLAR, G.
AUTHOR AFF	CEL-LABORATORIO GEOQUIMICO, SAN SALVADOR, EL SALVADOR
TITLE(MONO)	PROCEEDINGS OF THE SECOND UNITED NATIONS SYMPOSIUM ON THE DEVELOPMENT AND USE OF GEOTHERMAL RESOURCES. VOL. 2
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EDITOR OR COMP	SUTTERFIELD, F.D.; DONALDSON, E.C.; MANNING, F.S.

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CORPORATE AUTH BUREAU OF MINES, BARTLESVILLE, OK (USA). BARTLESVILLE ENERGY
RESEARCH CENTER
AVAILABILITY DEP. NTIS \$4.30.
CONF TITLE 2. NATIONAL CONFERENCE ON COMPLETE WATER USE
CONF PLACE CHICAGO, IL, USA
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EDITOR OR COMP DONALDSON, E.C.; BAYAZEED, A.F.
CORPORATE AUTH BUREAU OF MINES, BARTLESVILLE, OKLA. (USA). BARTLESVILLE ENERGY
RESEARCH CENTER
AVAILABILITY TIC.
DATE 1971
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EDITOR OR COMP BAYAZEED, A.F.; DONALDSON, E.C.
CORPORATE AUTH BUREAU OF MINES, BARTLESVILLE, OKLA. (USA). BARTLESVILLE ENERGY
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DATE 1973
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EDITOR OR COMP DONALDSON, E.C.
CORPORATE AUTH BUREAU OF MINES, BARTLESVILLE, OKLA. (USA). BARTLESVILLE
PETROLEUM RESEARCH CENTER
AVAILABILITY TIC.
DATE 1964
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ACCESSION NO. 76C0052140
TITLE PRECIPITATION OF AMORPHOUS SILICA FROM
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AUTHORS OWEN, L.B.; JACKSON, D.
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PUB DESC EOS, TRANS., AM. GEOPHYS. UNION, V. 57, NO. 4, P. 354
CONF TITLE AGU 1976 SPRING ANNUAL MEETING
CONF PLACE WASHINGTON, DC, USA
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ACCESSION NO. 76R0051596
TITLE(MONO) TYPICAL OIL-FIELD BRINE-CONDITIONING SYSTEMS: PREPARING BRINE
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EDITOR OR COMP TAYLOR, S.S.; WILHELM, C.J.; HOLLIMAN, W.C.
CORPORATE AUTH BUREAU OF MINES, BARTLESVILLE, OKLA. (USA)
AVAILABILITY TIC.
DATE JAN 1939
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ACCESSION NO. 76R0036632
TITLE(MONO) POSSIBILITIES FOR CONTROLLING HEAVY METAL SULFIDES IN SCALE
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EDITOR OR COMP JACKSON, D.D.; HILL, J.H.
CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
AVAILABILITY DEP. NTIS \$3.50.
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EDITOR OR COMP OWEN, L.B.
CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
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AUTHOR AFF DEP. SCI. IND. RES., WELLINGTON, N.Z.
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 TITLE IMPROVEMENT OF STEAM INJECTION THROUGH THE USE OF FOAMING ADDITIVES
 AUTHORS AL-KHAFAJI, A.; MAHMOUD, S.; DWETE, D.S.; WANG, F.; CASTANIER, L.M.; BRIGHAM, W.E.
 AUTHOR AFF STANFORD UNIV. PETROLEUM RESEARCH INST., CA
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 CONF TITLE ANNUAL HEAVY OIL/EOR CONTRACTOR REPORT MEETING
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 TITLE(MONO) EVALUATION OF GEOPRESSURED BRINE INJECTABILITY: DEPARTMENT OF ENERGY, PLEASANT BAYOU NO. 2 WELL, BRAZORIA COUNTY, TEXAS
 EDITOR OR COMP OWEN, L.D.; BLAIR, C.K.; HARRAR, J.E.; NETHERTON, R.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE NATIONAL LAB.
 AVAILABILITY NTIS, PC A05/MF A01.
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 EDITOR OR COMP HANDLO, K.J.
 CORPORATE AUTH LOS ALAMOS SCIENTIFIC LAB., NM (USA)
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 CONTRACT NO CONTRACT W-7405-ENG-36
 CONF TITLE NATIONAL CONFERENCE ON RENEWABLE ENERGY TECHNOLOGIES
 CONF PLACE HONOLULU, HI, USA
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 AUTHORS CAMPBELL, D.A.
 AUTHOR AFF REPUBLIC GEOTHERMAL, INC., SANTA FE SPRINGS, CA
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 EDITOR OR COMP CRICHLAW, H.D. (ED.)
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CONTRACT NO CONTRACT AC32-79AL01563
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AUTHORS TSANG, C.F.; MANGOLD, D.C.; LIPPMANN, M.J.
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AUTHORS RUSSELL, J.
AUTHOR AFF DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH, WAIKAKEI, NEW ZEALAND
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AUTHORS AHMED, U.; WULGEMUTH, K.M.; ABOU-SAYED, A.S.; JONES, A.H.
AUTHOR AFF TERRA TEK, INC., SALT LAKE CITY, UT
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AUTHORS SALTUKLAROGU, M.

AUTHOR AFF
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AUTHORS MESSER, P.H.
AUTHOR AFF PHILIPPINE GEOTHERMAL, INC., MANILA
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EDITOR OR COMP SUMMERS, D.A.; SEBASTIAN, Z.
CORPORATE AUTH MISSOURI UNIV., ROLLA (USA)
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AUTHORS NICHOLSON, R.W.; HANOLD, R.J.; VETTER, O.J.; AND VERITY, R.V.
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CORPORATE AUTH COMISION FEDERAL DE ELECTRICIDAD, MEXICO CITY; CALIFORNIA
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 AUTHORS VERITY, R.V.
 AUTHOR AFF REPUBLIC GEOTHERMAL, INC., SANTA FE SPRINGS, CA
 TITLE(MONO) GEOTHERMAL RESERVOIR WELL STIMULATION SYMPOSIUM
 EDITOR OR COMP CRICHLON, H.B. (ED.)
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 TITLE SUBSURFACE DISPOSAL OF OILFIELD BRINES AND PETROCHEMICAL WASTES
 AUTHORS DONALDSON, E.C.
 AUTHOR AFF DEPT. OF ENERGY, BARTLESVILLE, OK
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 AUTHORS CUELLAR, G.
 AUTHOR AFF COMISION EJECUTIVA HIDROELECTRICA DEL RIO LEMPA, SOYAPANGO, EL
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 AUTHORS QUONG, R.; OWEN, L.B.; TARDIFF, G.E.
 AUTHOR AFF UNIV. OF CALIFORNIA, LIVERMORE
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 AUTHORS DEFFERDING, L.J.; WALTER, R.A.

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AUTHORS ELDERS, W.A.; HUAGLAND, J.R.; OLSON, E.R.
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AUTHORS GRINGARTEN, A.C.
AUTHOR AFF BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES, ORLEANS, FRANCE
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CONF PLACE 1974 AND 1975
CONF DATE TOKYO, JAPAN
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AUTHORS CHASTEEN, A.J.
AUTHOR AFF UNION OIL CO., SANTA ROSA, CA
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CORPORATE AUTH BUREAU OF MINES, BARTLESVILLE, OKLA. (USA). BARTLESVILLE
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AUTHORS AUBOTA, K.; AOSAKI, K.
AUTHOR AFF KYUSHU ELECTRIC POWER CO., INC., FUKUOKA
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AUTHORS FLETCHER, G.E.; COLLINS, A.G.
AUTHOR AFF BARTLESVILLE ENERGY TECHNOLOGY CENTER, OK
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EDITOR OR COMP CAMPBELL, A.
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AUTHORS REDUCING SOLIDS PRECIPITATION AND SCALE FORMATION
AUTHOR AFF MARTIN, J.C.
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AUTHORS COLLINS, A.G.
AUTHOR AFF BARTLESVILLE ENERGY RESEARCH CENTER, OK
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EDITOR OR COMP WRIGHT, C.C.; CROSS, D.; OSTRUFF, A.G.; STANFORD, J.R. (EDS).
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ACCESSION NO. 80R0060971
TITLE(MONO) INJECTION, INJECTIVITY AND INJECTABILITY IN GEOTHERMAL OPERATIONS: PROBLEMS AND POSSIBLE SOLUTIONS. PHASE I. DEFINITION OF THE PROBLEMS
EDITOR OR COMP VETTER, O.J.; CRICLOW, H.B.
CORPORATE AUTH VETTER RESEARCH, COSTA MESA, CA (USA); PETROLEUM TRAINING AND TECHNICAL SERVICES, NORMAN, OK (USA)
AVAILABILITY DEP. NTIS, PC A09/MF A01.
CONTRACT NO CONTRACT ET-78-C-03-2044
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ACCESSION NO. 79C0110429
TITLE(MONO) USING SURFACE WATERS FOR SUPPLEMENTING INJECTION AT THE SALTON SEA GEOTHERMAL FIELD (SSGF), SOUTHERN CALIFORNIA
EDITOR OR COMP RABEK, E.; OWEN, L.B.; HARRAR, J.E.
CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
SEC REPT NO CONF-790906--15
AVAILABILITY P 02/MF A01.
CONTRACT NO CONTRACT #7405-ENG-48
CONF TITLE GEOTHERMAL RESOURCES COUNCIL ANNUAL MEETING
CONF PLACE RENO, NV, USA
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ACCESSION NO. 79C0110427
TITLE(MONO) AUTOMATED SYSTEM FOR MEMBRANE FILTRATION AND CORE TESTS
EDITOR OR COMP HASBROUCK, R.T.; OWEN, L.B.; NETHERTON, R.
CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
SEC REPT NO CONF-790906--16
AVAILABILITY P 02/MF A01.
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ACCESSION NO. 79C0048073
REPORT NO. PAGE CONF-771153--P1 PP. G1.121-G1.165
TITLE GEOCHEMISTRY OF GEOPRESSURED GEOTHERMAL WATERS FROM THE TEXAS GULF COAST
AUTHORS KHARAKA, Y.K.); CALLENDER, E.; CAROTHERS, W.W.
AUTHOR AFF U.S. GEOLOGICAL SURVEY, MENLO PARK, C
TITLE(MONO) THIRD GEOPRESSURED-GEOTHERMAL ENERGY CONFERENCE
EDITOR OR COMP MERIWETHER, J.
CONF TITLE 3. GEOPRESSURED GEOTHERMAL ENERGY CONFERENCE
CONF PLACE LAFAYETTE, LA, USA
CONF DATE 16 NOV 1977
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REPORT NO CONF-771153--P1

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ACCESSION NO. 78J0095086
 TITLE INJECTION CHEMISTRY
 AUTHORS OWEN, L.B.; TARDIFF, G.E.
 AUTHOR AFF UNIV. OF CALIFORNIA, LIVERMORE
 PUB DESC TRANS. AM. NUCL. SOC., V. 28, P. 4
 CONF TITLE ANS ANNUAL MEETING
 CONF PLACE SAN DIEGO, CA, USA
 CONF DATE 18 JUN 1978
 DATE JUN 1978
 DROP NOTE SEE CONF-780622--
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13

ACCESSION NO. 78J0067656
 TITLE PROCEDURE FOR ESTIMATING THE TEMPERATURE OF A HOT-WATER
 COMPONENT IN A MIXED WATER BY USING A PLOT OF DISSOLVED SILICA
 VERSUS ENTHALPY
 AUTHORS TRUESDELL, A.H.; FOURNIER, R.O.
 PUB DESC J. RES. U.S. GEOL. SURV., V. 5, NO. 1, PP. 49-52
 DATE 1977
 JOURNAL CIT J. RES. U.S. GEOL. SURV.

14

ACCESSION NO. 78C0059333
 TITLE WATER-ROCK RATIOS AND FLUID MIXING IN THE SALTON SEA GEOTHERMAL
 FIELD
 AUTHORS OLSON, E.R.
 AUTHOR AFF UNIV. OF CALIFORNIA, RIVERSIDE
 PUB DESC GEOL. SOC. AM., ABSTR. PROGRAMS, V. 9, NO. 7, PP. 1119-1120
 CONF TITLE ANNUAL MEETINGS OF THE GEOLOGICAL SOCIETY OF AMERICA AND
 ASSOCIATED SOCIETIES
 CONF PLACE SEATTLE, WA, USA
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 JOURNAL CIT GEOL. SOC. AM., ABSTR. PROGRAMS

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ACCESSION NO. 78C0002092
 TITLE CHEMICAL MODELING OF GEOTHERMAL SYSTEMS
 AUTHORS JACKSON, D.D.
 AUTHOR AFF LAWRENCE LIVERMORE LAB., CA
 TITLE(MONO) GEOTHERMAL: STATE OF THE ART
 CONF TITLE GEOTHERMAL RESOURCES COUNCIL
 CONF PLACE SAN DIEGO, CALIFORNIA, UNITED STATES OF AMERICA (USA)
 CONF DATE 9 MAY 1977
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 DATE 1977
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E. INTERACTION OF INJECTED WATER WITH RESERVOIR ROCK

1

ACCESSION NO. 81C0104090
 TITLE(MONO) ASSESSMENT OF THE INJECTABILITY OF BRINES PRODUCED BY
 EDITOR OR CUMP GEOPRESSURED-GEOTHERMAL RESOURCES OF THE GULF COAST
 CORPORATE AUTH HARRAR, J.E.; NETHERTON, R.; LOCKE, F.E.; OWEN, L.B.
 LAWRENCE LIVERMORE NATIONAL LAB., CA (USA); TERRA TEK, INC.,
 SALT LAKE CITY, UT (USA)
 SEC REPT NO CONF-811026--3
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT W-7405-ENG-48
 CONF TITLE S. GEOPRESSURED-GEOTHERMAL ENERGY CONFERENCE
 CONF PLACE BATON ROUGE, LA, USA
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2

ACCESSION NO. 81C0098211
 TITLE DRILLING FLUID/FORMATION INTERACTION AT SIMULATED IN SITU
 GEOTHERMAL CONDITIONS
 AUTHORS ENNISS, D.O.; BERGOSH, J.L.; BUTTERS, S.W.; JONES, A.H.
 AUTHOR AFF TERRA TEK, INC., SALT LAKE CITY, UT
 PUB DESC TRANS. - GEOTHERM. RESOUR. COUNC., V. 4, PP. 285-288
 SEC REPT NO CONF-800920--
 CONF TITLE GEOTHERMAL RESOURCE COUNCIL ANNUAL MEETING
 CONF PLACE SALT LAKE CITY, UT, USA
 CONF DATE 9 SEP 1980
 DATE SEP 1980
 JOURNAL CIT TRANS. - GEOTHERM. RESOUR. COUNC.

3

ACCESSION NO. 81C0098205
 REPORT NO. PAGE SAND--81-0036C PP. 27.1-27.18
 TITLE MECHANISMS OF FORMATION DAMAGE IN MATRIX PERMEABILITY
 GEOTHERMAL WELLS
 AUTHORS BERGOSH, J.L.; WIGGINS, R.B.; ENNISS, D.O.; JONES, A.H.
 AUTHOR AFF TERRA TEK, INC., SALT LAKE CITY, UT
 TITLE(MONO) PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON GEOTHERMAL
 DRILLING AND COMPLETION TECHNOLOGY
 SEC REPT NO CONF-810105--
 AVAILABILITY NTIS, PC A23/MF A01.
 CONF TITLE INTERNATIONAL GEOTHERMAL DRILLING AND COMPLETIONS TECHNOLOGY
 CONF PLACE ALBUQUERQUE, NM, USA
 CONF DATE 21 JAN 1981
 DATE 1981
 REPORT NO SAND--81-0036C

4

ACCESSION NO. 81J0060926
 TITLE RESPONSE OF A FINITE-DIAMETER WELL TO AN INSTANTANEOUS CHARGE
 OF WATER. PAPER NO. H-21
 AUTHORS COOPER, H.H. JR.; BREDEHOEFT, J.D.; PAPODOPULOS, I.S.
 AUTHOR AFF GEOLOGICAL SURVEY
 PUB DESC TRANS. AM. GEOPHYS. UNION, V. 47, NO. 1, P. 86
 DATE MAR 1966
 JOURNAL CIT TRANS. AM. GEOPHYS. UNION

5

ACCESSION NO. 81C0044047
 TITLE EXPERIMENTAL EVALUATION OF FRACTURING FLUID INTERACTION WITH
 TIGHT RESERVOIR ROCKS AND PROPPED FRACTURES
 AUTHORS AHMED, U.; ABU-SAYED, A.S.; JONES, A.H.
 TITLE(MONO) SPE-AIME SYMPOSIUM ON LOW-PERMEABILITY GAS RESERVOIRS
 SEC REPT NO CONF-790514--
 CONTRACT NO CONTRACT EF-76-C-53030; EF-46-8014; EF-78-C-03-1547;
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 CONF TITLE SYMPOSIUM ON LOW-PERMEABILITY GAS RESERVOIRS
 CONF PLACE DENVER, CO, USA
 CONF DATE 20 MAY 1979
 PUBL LOC AMERICAN INSTITUTE OF MINING, METALLURGICAL, AND PETROLEUM
 ENGINEERS, INC., DALLAS, TX
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6

ACCESSION NO. 81R0038306
 TITLE(MONO) SHALE RECHARGE AND PRODUCTION BEHAVIOR OF GEOPRESSURED
 RESERVOIRS
 EDITOR OR COMP GARG, S.K.
 CORPORATE AUTH SYSTEMS, SCIENCE AND SOFTWARE, LA JOLLA, CA (USA)
 AVAILABILITY NTIS, PC A02/MF A01.
 CONTRACT NO CONTRACT AC08-79ET27202
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 REPORT NO DOE/ET/27202-2

7

ACCESSION NO. 8000127508
 REPORT NO,PAGE DOE/RA/28320-2 PP. 504-540
 TITLE STATUS OF THE DEVELOPMENT OF THE TOTAL FLOW SYSTEM FOR ELECTRIC
 POWER PRODUCTION FROM GEOTHERMAL ENERGY
 AUTHORS AUSTIN, A.L.; RYLEY, D.J.
 AUTHOR AFF LAWRENCE LIVERMORE LAB., CA
 TITLE(MONO) SOURCEBOOK ON THE PRODUCTION OF ELECTRICITY FROM GEOTHERMAL
 AVAILABILITY ENERGY
 EDITOR OR COMP KESTIN, J.; DIPIPPO, R.; KHALIFA, H.E.; RYLEY, D.J. (EDS.)
 SEC REPT NO DOE/RA/4051-1
 AVAILABILITY NTIS, PC A99/MF A01.
 DATE MAR 1980
 REPORT NO DCE/RA/28320-2

8

ACCESSION NO. 8000110363
 REPORT NO,PAGE LBL--8648 PP. 119-124
 TITLE STUDY OF ALTERNATIVE REINJECTION SCHEMES FOR THE CERRO PRIETO
 GEOTHERMAL FIELD, BAJA CALIFORNIA, MEXICO
 AUTHORS TSANG, C.F.; BOOVARSSON, G.S.; LIPPMANN, M.J.; RIVERA, J.
 TITLE(MONO) EARTH SCIENCES DIVISION. ANNUAL REPORT 1978
 AVAILABILITY NTIS, PC A12/MF A01.
 DATE 1978
 REPORT NO LBL--8648

9

ACCESSION NO. 80C0105770
 REPORT NO,PAGE SGP-TR--40 PP. 189-196
 TITLE BLOCK RESPONSE TO REINJECTION IN A FRACTURED GEOTHERMAL
 RESERVOIR
 AUTHORS PINDER, G.F.; RAMEY, H.J. JR.; SHAPIRO, A.; ABRIOLA, L.
 AUTHOR AFF PRINCETON UNIV., NJ
 TITLE(MONO) PROCEEDINGS OF FIFTH WORKSHOP ON GEOTHERMAL RESERVOIR
 ENGINEERING, DECEMBER 12-14, 1979
 EDITOR OR COMP RAMEY, H.J. JR.; KRUGER, P. (EDS.)
 SEC REPT NO CONF-791235--
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 CONF TITLE 5. GEOTHERMAL RESERVOIR ENGINEERING WORKSHOP
 CONF PLACE STANFORD, CA, USA
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ACCESSION NO. 80C0105759
 REPORT NO,PAGE SGP-TR--40 PP. 41-47
 TITLE REINJECTION TESTING AT BROADLANDS
 AUTHORS BIXLEY, P.F.; GRANT, M.A.
 AUTHOR AFF MINISTRY OF WORKS AND DEVELOPMENT, WAIRAKEI, NEW ZEALAND
 TITLE(MONO) PROCEEDINGS OF FIFTH WORKSHOP ON GEOTHERMAL RESERVOIR
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11

ACCESSION NO. 80C0105758
 REPORT NO,PAGE SGP-TR--40 PP. 29-39

TITLE INJECTION CAPABILITY AT THE RAFT RIVER GEOTHERMAL SITE
 AUTHORS AHMED, U.; WOLGEMUTH, K.M.; ABOU-SAYED, A.S.; JONES, A.H.
 AUTHOR AFF TERRA TEK, INC., SALT LAKE CITY, UT
 TITLE(MONO) PROCEEDINGS OF FIFTH WORKSHOP ON GEOTHERMAL RESERVOIR
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 EDITOR OR COMP NAMEY, H.J. JR.; KRUGER, P. (EDS.)
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ACCESSION NO. 80R0105753
 TITLE(MONO) DRILLING FLUID/FORMATION INTERACTION AT SIMULATED IN SITU
 GEOTHERMAL CONDITIONS. FINAL REPORT
 EDITOR OR COMP ENNISS, D.O.; BERGOSH, J.L.; BUTTERS, S.W.; JONES, A.H.
 CORPORATE AUTH TERRA TEK, INC., SALT LAKE CITY, UT (USA)
 AVAILABILITY NTIS, PC A03/MF A01.
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ACCESSION NO. 80C0094944
 REPORT NO, PAGE SGP-TR--30 PP. 275-279
 TITLE SIMULATION OF GEOTHERMAL RESERVOIRS INCLUDING CHANGES IN
 POROSITY AND PERMEABILITY DUE TO SILICA-WATER REACTIONS
 AUTHORS LI, T.M.C.; MERCER, J.W.; FAUST, C.R.; GREENFIELD, R.J.
 AUTHOR AFF GEOLOGICAL SURVEY, RESTON, VA
 TITLE(MONO) PROCEEDINGS FOURTH WORKSHOP GEOTHERMAL RESERVOIR ENGINEERING
 EDITOR OR COMP KRUGER, P.; NAMEY, H.J. JR. (EDS.)
 SEC REPT NO CONF-781222--
 AVAILABILITY NTIS, PC A15/MF A01.
 CONF TITLE 4. WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING
 CONF PLACE STANFORD, CA, USA
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14

ACCESSION NO. 80R0094911
 TITLE(MONO) INVESTIGATION AND EVALUATION OF GEOPRESSURED-GEOTHERMAL WELLS.
 FINAL REPORT: BEULAH SIMON NO. 2 WELL, VERMILION PARISH,
 LOUISIANA. VOLUME 1. COMPLETION AND TESTING
 EDITOR OR COMP DOBSON, R.J.; HARTSOCK, J.H.; MCCOY, R.L.; RODGERS, J.A.
 CORPORATE AUTH GRUY FEDERAL, INC., HOUSTON, TX (USA)
 AVAILABILITY NTIS, PC A06/MF A01.
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15

ACCESSION NO. 80C0094907
 REPORT NO, PAGE SGP-TR--30 PP. 42-49
 TITLE REPLACEMENT OF GEOTHERMAL RESERVOIR BRINE AS A MEANS OF
 REDUCING SOLIDS PRECIPITATION AND SCALE FORMATION
 AUTHORS MARTIN, J.C.
 AUTHOR AFF CHEVRON OIL FIELD RESEARCH CO., LA HABRA, CA
 TITLE(MONO) PROCEEDINGS FOURTH WORKSHOP GEOTHERMAL RESERVOIR ENGINEERING
 EDITOR OR COMP KRUGER, P.; NAMEY, H.J. JR. (EDS.)
 SEC REPT NO CONF-781222--
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 CONF TITLE 4. WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING
 CONF PLACE STANFORD, CA, USA
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ACCESSION NO. 80B0088020
 TITLE(MONO) OIL FIELD SUBSURFACE INJECTION OF WATER

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EDITOR OR COMP WRIGHT, C.C.; CROSS, D.; OSTROFF, A.G.; STANFORD, J.R. (EDS.
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17

ACCESSION NO. 80C0039965
 TITLE INJECTION AT RAFT RIVER: AN ENVIRONMENTAL CONCERN
 AUTHORS SPENCER, S.G.
 AUTHOR AFF EG AND G IDAHO, INC., IDAHO FALLS
 TITLE(MONO) EXPANDING THE GEOTHERMAL FRONTIER
 SEC REPT NO CONF-750506--
 CONF TITLE GEOTHERMAL RESOURCES COUNCIL ANNUAL MEETING
 CONF PLACE RENO, NV, USA
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ACCESSION NO. 80R0020498
 TITLE(MONO) GEOTHERMOLOGICAL ENVIRONMENTAL EFFECTS OF GEOTHERMAL POWER
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 EDITOR OR COMP PRITCHETT, J.W.
 CORPORATE AUTH SYSTEMS, SCIENCE AND SOFTWARE, LA JOLLA, CA (USA)
 AVAILABILITY NTIS, PC AG7/MF A01.
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ACCESSION NO. 79C0129816
 REPORT NO, PAGE EPRI-WS--78-97 PP. 147-150
 TITLE EQUILIB SIMULATION OF ACIDIZATION FOR GEOTHERMAL SCALE CONTROL
 AUTHORS RINEY, T.D.; REYNOLDS, S.L.
 AUTHOR AFF SYSTEMS, SCIENCE AND SOFTWARE, LA JOLLA, CA
 TITLE(MONO) PROCEEDINGS OF THE SECOND GEOTHERMAL CONFERENCE AND WORKSHOP
 SEC REPT NO CONF-780641--
 AVAILABILITY DEP. NTIS, PC A08/MF A01.
 CONF TITLE 2. GEOTHERMAL CONFERENCE
 CONF PLACE TAOS, NM, USA
 CONF DATE 20 JUN 1978
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 ACCESSION NO. 79C0118841
 REPORT NO, PAGE LBL--8883 PP. 78-80
 TITLE GEOTHERMAL BRINE INJECTION EVALUATION METHODOLOGY
 AUTHORS QUONG, R.; OWEN, L.B.; TARDIFF, G.E.
 AUTHOR AFF UNIV. OF CALIFORNIA, LIVERMORE
 TITLE(MONO) SECOND INVITATIONAL WELL-TESTING SYMPOSIUM PROCEEDINGS
 SEC REPT NO CONF-7810170--
 CONF TITLE 2. INTERNATIONAL WELL-TESTING SYMPOSIUM
 CONF PLACE BERKELEY, CA, USA
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 ACCESSION NO. 79C0110427
 TITLE(MONO) AUTOMATED SYSTEM FOR MEMBRANE FILTRATION AND COKE TESTS
 EDITOR OR COMP HASBROUCK, R.T.; OWEN, L.B.; NETHERTON, R.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.

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CONF PLACE	RENO, NV, USA
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ACCESSION NO.	79C0099040
TITLE(MONO)	METHOD OF USING IN SITU POROSITY MEASUREMENTS TO PLACE AN UPPER BOUND ON GEOHERMAL RESERVOIR COMPACTION
EDITOR OR COMP	SCHATZ, J.F.; KASAMEYER, P.W.; CHENEY, J.A.
CORPORATE AUTH	CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
SEC REPT NO	CONF-7810170-3
AVAILABILITY	P 02/MF A01.
CONTRACT NO	CONTRACT W-7405-ENG-48
CONF TITLE	2. INTERNATIONAL WELL-TESTING SYMPOSIUM
CONF PLACE	BERKELEY, CA, USA
CONF DATE	25 OCT 1978
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REPORT NO	UCRL-81506

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ACCESSION NO.	79J0099012
TITLE	GOVERNING EQUATIONS FOR GEOHERMAL RESERVOIRS
AUTHORS	BROWNELL, D.H. JR.; GARG, S.K.; PRITCHETT, J.W.
AUTHOR AFF	SYSTEMS, SCIENCE AND SOFTWARE, LA JOLLA, CA
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25

ACCESSION NO.	79C0077740
TITLE(MONO)	ANALYTIC STUDY OF GEOHERMAL RESERVOIR PRESSURE RESPONSE TO COLD WATER REINJECTION
EDITOR OR COMP	TSANG, Y.W.; TSANG, C.F.
CORPORATE AUTH	CALIFORNIA UNIV., BERKELEY (USA). LAWRENCE BERKELEY LAB.
SEC REPT NO	CONF-781222-4
AVAILABILITY	DEP. NTIS, PC A02/MF A01.
CONTRACT NO	CONTRACT W-7405-ENG-48
CONF TITLE	4. WORKSHOP ON GEOHERMAL RESERVOIR ENGINEERING
CONF PLACE	STANFORD, CA, USA
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REPORT NO	LBL-9661

26

ACCESSION NO.	79C0061548
TITLE	ELUTION AND CHANGE OF ROCKS IN TAMAGAWA HOT SPRINGS (OUBUKI)
AUTHORS	YOSHIIKE, Y.); IWASAKI, I.; YOSHIDA, S.; OZAWA, T.
AUTHOR AFF	TOHO UNIVERSITY, JAPA
PUB DESC	ONSEN KAGAKU, V. 24, NO. 2, PP. 107-107
CONF TITLE	26TH ANNUAL MEETING OF THE BALNEOLOGICAL SOCIETY OF JAPAN
CONF PLACE	NARUKO-CHO, MIYAGI PREFECTURE, JAPAN
CONF DATE	JUL 1973
DATE	OCT 1973
JOURNAL CIT	ONSEN KAGAKU

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ACCESSION NO.	79C0048145
REPORT NO. PAGE	CONF-771153--P1 PP. ES.73-ES.83
TITLE	NUMERICAL SIMULATION OF THE EFFECTS OF REINJECTION UPON THE PERFORMANCE OF A GEOPRESSURED GEOHERMAL RESERVOIR
AUTHORS	PRITCHETT, J.W.; GARG, S.K.; RINEY, T.D.
AUTHOR AFF	SYSTEMS, SCIENCE, AND SOFTWARE, LA JOLLA, CA
TITLE(MONO)	THIRD GEOPRESSURED-GEOHERMAL ENERGY CONFERENCE
EDITOR OR COMP	MERIWETHER, J.
CONF TITLE	3. GEOPRESSURED GEOHERMAL ENERGY CONFERENCE
CONF PLACE	LAFAYETTE, LA, USA
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ACCESSION NO. 78C0089262
 TITLE(MONO) PREDICTING THE RATE BY WHICH SUSPENDED SOLIDS PLUG GEOTHERMAL
 INJECTION WELLS
 EDITOR OR COMP OWENS, L.B.; KASAMEYER, P.W.; NETHERTON, R.; THORSON, L.
 CORPORATE AUTH CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.
 SEC REPT NO CONF-771243--1
 AVAILABILITY DEP. NTIS, PC A62/MF A01.
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 CONF TITLE 3. WORKSHOP ON GEOTHERMAL RESERVOIR ENGINEERING
 CONF PLACE PALO ALTO, CA, USA
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ACCESSION NO. 78C0059381
 TITLE EFFECT OF HYDROTHERMAL ALTERATION OF POROSITY AND PERMEABILITY
 IN THE SALTON SEA GEOTHERMAL FIELD, CALIFORNIA
 AUTHORS TEWHEY, J.D.
 AUTHOR AFF LAWRENCE LIVERMORE LAB., CA
 PUB DESC GEOL. SOC. AM., ABSTR. PROGRAMS, V. 9, NO. 7, PP. 1197-1198
 CONF TITLE ANNUAL MEETINGS OF THE GEOLOGICAL SOCIETY OF AMERICA AND
 ASSOCIATED SOCIETIES
 CONF PLACE SEATTLE, WA, USA
 CONF DATE 7 NOV 1977
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30

ACCESSION NO. 78C0059375
 TITLE ROCK-WATER INTERACTION AND TEMPERATURE DISTRIBUTION IN THE
 SALTON SEA GEOTHERMAL FIELD, IMPERIAL VALLEY, CALIFORNIA, USA
 AUTHORS ELDERS, W.A.
 AUTHOR AFF UNIV. OF CALIFORNIA, RIVERSIDE
 PUB DESC GEOL. SOC. AM., ABSTR. PROGRAMS, V. 9, NO. 7, P. 965
 CONF TITLE ANNUAL MEETINGS OF THE GEOLOGICAL SOCIETY OF AMERICA AND
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 CONF PLACE SEATTLE, WA, USA
 CONF DATE 7 NOV 1977
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 JOURNAL CIT GEOL. SOC. AM., ABSTR. PROGRAMS

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ACCESSION NO. 78C0059333
 TITLE WATER-ROCK RATIOS AND FLUID MIXING IN THE SALTON SEA GEOTHERMAL
 FIELD
 AUTHORS OLSON, E.R.
 AUTHOR AFF UNIV. OF CALIFORNIA, RIVERSIDE
 PUB DESC GEOL. SOC. AM., ABSTR. PROGRAMS, V. 9, NO. 7, PP. 1119-1120
 CONF TITLE ANNUAL MEETINGS OF THE GEOLOGICAL SOCIETY OF AMERICA AND
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 CONF PLACE SEATTLE, WA, USA
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ACCESSION NO. 78C0001981
 TITLE APPLICATIONS OF SOLUTE EQUILIBRIUM MODELS TO THE STUDY OF
 GEOTHERMAL RESERVOIRS
 AUTHORS HOAGLAND, J.R.
 AUTHOR AFF UNIV. OF CALIFORNIA, RIVERSIDE
 TITLE(MONO) GEOTHERMAL: STATE OF THE ART
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ACCESSION NO. 77R0073087
 TITLE(MONO) SIMULATION OF FLUID-ROCK INTERACTIONS IN A GEOTHERMAL BASIN.
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EDITOR OR COMP GARG, S.K.; BLAKE, T.R.; BROWNELL, D.H. JR.; NAYFEH, A.H.;
 CORPORATE AUTH PRITCHETT, J.W.
 AVAILABILITY SYSTEMS, SCIENCE AND SOFTWARE, LA JOLLA, CA (USA)
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ACCESSION NO. 77JC063084
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