

WHEN RECORDED RETURN TO:

56746

American Thermal Resources, Inc.  
5405 Stockdale Highway, Suite 205  
Bakersfield, CA 93309

LEASE AND AGREEMENT

(Short Form)

KNOW ALL MEN BY THESE PRESENTS:

That W. HAROLD LANG and HELEN M. LANG  
700 Ocean View Drive, Fullerton, California 92632, as Lessors,  
do hereby lease to AMERICAN THERMAL RESOURCES, INC.  
., a corporation, as Lessee, pursuant to all of the terms  
and conditions of that certain Lease and Agreement, between the parties  
hereto, bearing the date hereof, the land situated in the County of  
EUREKA, State of NEVADA, described in Exhibit "A"  
attached hereto and made a part hereof, with the sole and exclusive right  
to Lessee to explore for (by such methods as it may desire), drill for,  
produce, extract, take and remove therefrom and to sell steam, thermal  
energy and hot water and extractable minerals from, and to store, utilize,  
process, convert and otherwise treat such steam, thermal energy and hot  
water upon said land, and to extract any extractable minerals therefrom  
and from said land, during the term hereof, with the right of entry thereon  
and use and occupancy thereof at all times from said purposes and the  
furtherance thereof.

The term of this Lease and Agreement is for a period of  
Five (5) years commencing ninety (90) days after the date hereof  
and so long thereafter as lease substances, or any of them, are derived  
or produced in commercial quantities from the lease land or lands pooled  
or combined therewith and for so long, as well, as Lessee is prevented  
from producing same, or the obligations of Lessee are suspended, for  
the causes as set forth in said Lease and Agreement.

Said Lease and Agreement is incorporated herein and made a part  
hereof in all respects as though fully set forth herein. Reference is made  
hereby to executed copies of said Lease and Agreement in possession of  
Lessor and Lessee, respectively.

Dated this 24 day of April, 19 72

SEAL  
Affixed

W. Harold Lang  
W. HAROLD LANG

Helen M. Lang  
HELEN M. LANG

AMERICAN THERMAL RESOURCES, INC.

By Roy Parodi  
ROY PARODI President

By Lyn Sharland  
Assistant Secretary

LESSEE

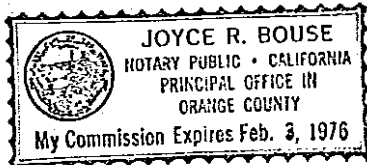
LESSOR

WITNESS

STATE OF CALIFORNIA )  
COUNTY OF ORANGE ) SS.

On April 24, 1972 before me, the undersigned,  
a Notary Public personally appeared W. Harold Lang and  
Helen M. Lang  
known to me to be the person s whose name s are subscribed  
to the within instrument and acknowledged that they executed the  
same.

WITNESS my hand and official seal.



Joyce R. Bouse  
Joyce R. Bouse

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS.

On \_\_\_\_\_ before me, the undersigned,  
a Notary Public personally appeared \_\_\_\_\_  
known to me to be the person \_\_\_\_\_ whose name \_\_\_\_\_ subscribed  
to the within instrument and acknowledged that \_\_\_\_\_ executed the  
same.

WITNESS my hand and official seal.

STATE OF CALIFORNIA )  
COUNTY OF KERN ) SS.

On April 25, 1972, before me, the undersigned, a  
Notary Public, personally appeared ROY PARODI, known to me to be  
the President, and LYN SHARLAND, known to me  
to be the Assistant Secretary of AMERICAN THERMAL  
RESOURCES, INC., the corporation that  
executed the within Instrument, known to me to be the persons who  
executed the within Instrument on behalf of the corporation therein  
named, and acknowledged to me that such corporation executed  
the within instrument pursuant to its by-laws or a resolution of its  
board of directors.

WITNESS my hand and official seal.

Juanita S. Williams

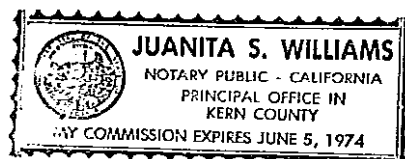


EXHIBIT "A"

The land which is the subject of the herein Lease and Agreement is that certain land situated in the County of EUREKA, State of NEVADA, more particularly described as follows, to-wit:

Township 31 North, Range 48 East, M.D.B. & M.

Section 13: E/2 SE/4

together with such rights as Lessor may have in waterways, ditches, sloughs, canals, dikes, levees, roads, streets, alleys, easements, and rights of way within or adjoining the above described lands and containing 80 acres, more or less.

RECORDED AT THE REQUEST OF American Thermal Resources, Inc.  
on Oct. 2, 1972, at 19 mins. past 11 A. M.  
Book 43 of OFFICIAL RECORDS, page 486-488 RECORDS C'  
EUREKA COUNTY, NEVADA Shelley A. DeTale Recorder  
File No. 56746 Fee \$5.00

ATR-101

BOOK 43 PAGE 488