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UNITED STATES
DEPARTMENT OF THE INTERIOR

JUL 08 1981

GEOLOGICAL SURVEY
Conservation Division, MS-92
345 Middlefield Road
Menlo Park, CA 94025

JUL 06 1981

Memorandum

To: Interested Parties

From: Acting Deputy Conservation Manager, Geothermal

Subject: Unit Plan of Operation, Phillips Petroleum Company, Aurora Unit,
Mineral County, Nevada
Ref: 2404-02 Aurora Unit (POO for EA #181-81)

Phillips Petroleum Company has submitted a Unit Plan of Operation in accordance with 30 CFR 270.34 to drill up to three (3) 8000-foot (2462 meters) geothermal exploratory wells on Federal Leases N-30732, N-30735, and N-30738 in the Aurora Unit, Mineral County, Nevada. A copy of the Unit Plan of Operation is available from the Office of the Deputy Conservation Manager for Geothermal, or the Office of the Reno District Geothermal Supervisor.

An Environmental Assessment (EA #181-81) will be prepared by the Office of the Deputy Conservation Manager for Geothermal for the proposed action. A field inspection is not considered necessary at this time. You are encouraged to visit the site at your own convenience. Any inquiries should be directed to Mr. Bernie Moroz, Reno District Geothermal Supervisor, Kietzke Plaza, Building D, Suite 137, 4600 Kietzke Lane, Reno, Nevada (Tel: (702) 784-5676, FTS: 470-5676).

We urge you to send in written commentary and will appreciate hearing from you even if you are of the opinion that the existing regulations, lease terms, and Operational Orders provide adequate environmental protection.


All comments concerning the proposed actions should be received no later than July 21, 1981 by:

Deputy Conservation Manager, Geothermal
U.S. Geological Survey, Conservation Division
345 Middlefield Road, MS-92
Menlo Park, CA 94025

Tel: (415) 323-8111, ext. 2841
FTS: 467-2841

All comments will be given serious consideration in the preparation of the Environmental Assessment or any subsequent conditions of approval.

The Deputy Conservation Manager for Geothermal will not send a draft Environmental Assessment to Interested Parties for review of the proposed action. Certain parties, however, such as the surface managing agency, the lessee, GEAP, and the U.S. Fish and Wildlife Service will receive a copy of the completed EA. Copies of the EA are available for inspection during normal business hours at the Office of the Deputy Conservation Manager for Geothermal and the Carson City BLM District Manager's Office.



For William F. Isherwood

Enclosure

RECEIVED

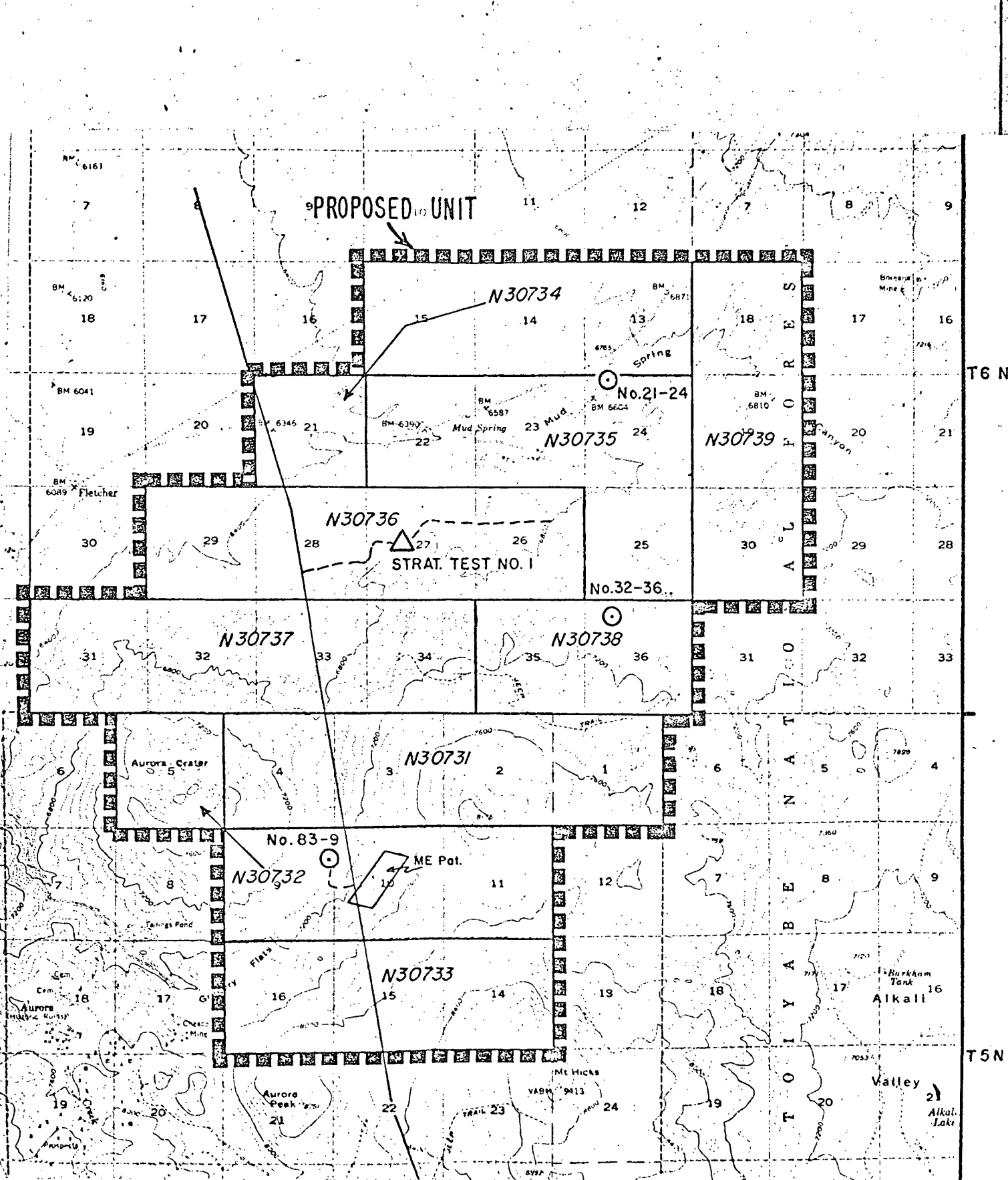
APR 27 1981

OFFICE OF DSM, GEOTHERMAL
CENTRAL DIVISION
NATIONAL SURVEY
SALT LAKE, CALIFORNIA

PROPOSED PLAN OF OPERATIONS
TO DRILL STRATIGRAPHIC TEST WELLS AND
GEOTHERMAL TEST WELLS
ON UNITED STATES GEOTHERMAL LEASES
N-30732, N-30735, N-30738
SECTION 9, T5N-R28E
SECTIONS 24 and 36, T6N-R28E
MINERAL COUNTY, NEVADA

Proposed operations: Drill from one to three geothermal wells
Objective To determine the existence and commercial potential of geothermal resources
Estimated starting date: June, 1981
Estimated completion date: June, 1982

Phillips Petroleum Company Contractor: Not Known
Geothermal Operations Field Supervisors:
P.O. Box 6256 R. T. Forest (702) 786-2273
Reno, Nevada 89513 J. E. Hiner (702) 786-2273
O. C. Rolls (801) 364-2083
P. O. Box 239
Salt Lake City, Utah 84110
Telephone: (702) 786-2273



PROPOSED UNIT

N30734

N30735

N30736

N30737

N30738

N30731

N30732

N30733

STRAT. TEST NO. I

No. 83-9

No. 32-36

ME Pot.

A L P O R E S

T O I Y A B E E N A T I O

Valley

T6 N

T5 N

Alkali Lake

INTERESTED PARTIES EA #181-81

Phillips Petroleum Company
Three 8000' Exploratory Wells

N-30732, N-30735, N-30738
Aurora Unit

* * * * *

District Geothermal Supervisor
USGS, Conservation Division
Kietzke Plaza, Bldg. D, Suite 137
4600 Kietzke
Reno, Nevada 89502
*FTS: 470-5676 Comm: 704-784-5676

Conservation Manager, Western Region
U.S.G.S. Conservation Division
MS 80
345 Middlefield Rd., MS 80
Menlo Park, California 94025
*FTS: 467-2093 Comm: 415-323-8111

Deputy Conservation Manager, Resource
Evaluation -- Henry L. Cullins
USGS-Conservation Division, MS 80
345 Middlefield Road
Menlo Park, California 94025
*FTS: 467-2053 Comm: 415-323-8111

Dr. G. D. Robinson, Chairman
Geothermal Environmental Advisory
Panel
345 Middlefield Road, MS 900
Menlo Park, California 94025
*FTS 467-2871 415-323-8111 X2871

Mr. Theodore W. Holland
U.S. Bureau of Land Management
550 W. Fort St., Box 042
Boise, Idaho 83724

Nevada State Director
Bureau of Land Management
Federal Building, Room 3008
300 Booth Street
Reno, Nevada 89509
*FTS 470-5451 Comm: 702-784-5451

Carson City District Manager
Bureau of Land Management
1050 E. Williams Street, Suite 335
Carson City, Nevada 89701
*FTS 470-5612 Comm: 702-882-1631

U.S. Bureau of Reclamation
ATTN: Lloyd Osbourne
Post Office Box 640
Carson City, Nevada 89701
*Tel: (702) 882-3436

Susan Sakaki
S-1
EPA Region IX
215 Fremont
San Francisco, CA 94105

Mr. L. Arch Merhoff
Area Manager
U.S. Fish and Wildlife Service
4620 Overland Road, Room 238
Boise, Idaho 83705
*FTS 554-1960 Comm (208)384-1960

U.S. Fish and Wildlife Service
Division of Ecological Services
ATTN: Roy Heberger
4620 Overland Road - Room 209
Boise, Idaho 83705
*FTS: 554-1931 Comm: 208-384-1931

Richard T. Forester
U.S. Fish and Wildlife Service
Ecological Services/Energy Opns
18th & C Streets, NW
Washington, D.C. 20240

U.S. Fish & Wildlife Services
ATTN: Mr. Bob Hallock
Ecological Services
4600 Kietzke Lane, Bldg C
Reno, Nevada 89502
*FTS 470-5227 Comm (702)784-5227

U.S. Fish & Wildlife Service
ATTN: Mr. Don Sada
4600 Kietzke Lane, Bldg C
Reno, Nevada 89502
*FTS 470-5227 Comm (702)784-5227

U.S. Environmental Protection Agency
Radiation Program
ATTN: Michael O'Connell
P.O. Box 18416
Las Vegas, Nevada 89114
*FTS: 595-2100 Comm: 702-798-2100

U.S. Department of Energy, Nevada
Operations Office
ATTN: J. N. Fiore
Post Office Box 14100
Las Vegas, Nevada 89114
*FTS: 598-3424 Comm: 702-734-3424

INTERESTED PARTIES for EA #181-81

Ms. Mary Rusco, Archaeologist
 Nevada State Museum
 600 N. Carson Street
 Carson City, Nevada 89701
 *Tel: (702) 885-4810
 --via State Clearinghouse

State Of Nevada
 Department of Energy
 400 West King - Room 106
 Carson City, Nevada 89701
 *Tel: (702) 885-5157
 --via State Clearinghouse

Regional Manager, Region 1
 Nevada Dept. of Fish and Game
 ATTN: Mr. Ray Corlett
 380 West B Street
 Fallon, Nevada 89406
 *Tel: (702) 423-3171

State of Nevada, Div of Historic
 Preservation and Archaeology
 ATTN: Mimi Rodden
 201 South Fall St. Capitol Complex
 Carson City, Nevada 89710
 --via State Clearinghouse

State of Nevada, Div of State Lands
 ATTN: Jac Shaw, Jim Hansen, Rm 339
 201 S. Fall Street, Capitol Complex
 Carson City, Nevada 89710
 *Tel: (702) 885-4363
 --via State Clearinghouse

State of Nevada, Div. of Water Res.
 C/O State Engineer
 201 South Fall Street
 Carson City, Nevada 89710
 *Tel: (702) 885-4380
 --via State Clearinghouse

Earth Science Laboratory
 Univ of Utah Research Institute
 ATTN: Phillip M. Wright
 420 Chipeta Way, Suite 120
 Salt Lake City, Utah 84108
 *Tel (801) 581-5283

Mrs. Margaret Williams
 Director, Northern Nevada Native
 Plant Society
 P.O. Box 8965
 Reno, Nevada 89507

Nevada Bureau of Mines and Geology
 ATTN: Larry Garside - Geoth Specl
 University of Nevada
 Reno, Nevada 89507
 *Comm: 702-784-6691

State of Nevada, Environ Protection
 Agency Svcs, Dept of Cons & Res
 ATTN: Wendell McCurry, Vern Ross
 201 Fall Street, Capitol Complex
 Carson City, Nevada 89710
 --via State Clearinghouse

State of Nevada, Dept. Fish & Game
 ATTN: Mr. Dale V. Lockhard
 Post Office Box 10678
 Reno, Nevada 89510
 *Tel: (702) 784-6214
 --via State Clearinghouse

State of Nevada, Dept. of Human Res.
 ATTN: Al Edmundson
 Capitol Complex
 1209 Johnson Street
 Carson City, Nevada 89710
 --via State Clearinghouse

State of Nevada, Planning Coordinator
 ATTN: Bob Hill
 1050 E. Williams, Suite 402
 Capitol Plaza
 Carson City, Nevada 89701
 *Tel: (702) 885-4865

State of Nevada, Dept. of Transport.
 ATTN: Mel Woodgate
 Capitol Complex
 Carson City, Nevada 89710
 *Tel: (702) 885-5610
 --via State Clearinghouse

Lawrence Livermore Laboratory
 Box 5507, Mail Code L-523
 Livermore, California 94550
 *FTS 532-1100 Comm: 415-422-1100

Amax Exploration, Incorporated
 ATTN: Ms. Wendy E. Merrill
 Lands Records & Permits Supv
 7100 West 44th Avenue
 Wheatridge, Colorado 80033
 *FTS 234-3131 (303-420-8100)

INTERESTED PARTIES for EA #181-81

Bartholmey Associates
7102 S.W. 152nd Avenue
Beaverton, Oregon 97007

*FTS: 423-4111 Comm: 503-643-4064

Anadarko Production Company
ATTN: P.A. Smith
16855 Northchase Drive
Houston, Texas 77001
*DIRECT: 8-713-820-1101

Dresser Industries, Inc.
Magobar Division
ATTN: Don Walters
10960 Wilshire Blvd., Suite 1422
Los Angeles, California 90024

GeothermEx, Inc
Attn: James B. Koenig
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Berkeley, California 94707
*Comm: 415-524-9242

Geothermal Resources Council
Attn: Mr. David Anderson
P.O. Box 98
Davis, CA 95616
*Comm: 916-758-2360

Getty Oil Company
ATTN: Ms. Betty J. Reneau
and J. W. Woffington
Post Office Box 5237
Bakersfield, California 93388
*FTS: 984-1011 Comm: 805-399-2961

Hunt Energy Corporation
Geothermal Department
ATTN: Roger Bowers
2500 First National Building
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*FTS 729-4011 (214)748-1300

Magma Power Company
ATTN: Mr. Richard Foss
631 S. Witmer Street
Los Angeles, California 90017
*Tel: (213) 483-2285

Aminoil USA, Incorporated
Geothermal Resources Division
ATTN: Gerry Vaughan, Dist. Landman
Post Office Box 11279
Santa Rosa, California 95406
*FTS Ope: 556-9000 707-527-5333/2

Chevron Resources Company
ATTN: J.G. Turner
Post Office Box 3722
San Francisco, California 94119
*Tel: (415) 894-2726

H. C. Bemis
Fluid Energy Corporation
Hampden East Building, Suite 315
8000 East Girard Avenue
Denver, Colorado 80231

Geothermal Power Corporation
ATTN: Mr. Frank Metcalfe
Post Office Box 1186
Novato, California 94948
*Comm: 415-897-7833

Geothermal Resources International
ATTN: Mr. Peter A. Hansen
545 Middlefield Road, Suite 200
Menlo Park, California 94025
*(415)326-5470

Gulf Mineral Resources Company
Exploration Department
ATTN: Mr. Glen Campbell
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*FTS Ope: 327-0111 303-758-1700

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Hunt Oil Company, Minerals Div.
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*FTS 234-3131 (303)534-1010

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INTERESTED PARTIES for EA #181-81

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 ATTN: W. F. Bates
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 Los Angeles, California 90024
 *DIRECT: 8-213-879-5252

The MITRE Corporation
 ATTN: Robert Gerstein, MS W-227
 1820 Dolly Madison Blvd
 McClean, Virginia 22102
 *Tel: 703-827-6000

Occidental Geothermal, Inc.
 ATTN: Jeane Rossetto
 5000 Stockdale Highway
 Bakersfield, California 93309
 *Tel (805) 395-8000

Pacific Gas & Electric Co
 77 Beale Street, Room 2362
 San Francisco, CA 94106
 *Tel: 415-781-4211, Ext 3340

Phillips Petroleum Company
 ATTN: R.I. Forest
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 *Tel: (702) 786-2273

Phillips Petroleum Company
 Geothermal Operations
 ATTN: Bob Wright
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 Salt Lake City, Utah 84110
 *Comm: 801-364-2083

Republic Geothermal, Incorporated
 ATTN: Mr. Dwight Carey,
 and Ms. Tawna Nicholas
 Post Office Box 3388
 Santa Fe Springs, California 90670
 DIRECT 8-213-945-3661

Republic Geothermal, Incorporated
 Northern California Office
 ATTN: J. L. Sheidenberger
 1011 College Avenue, Suite 220
 Santa Rosa, California 95404
 *Comm: 707-527-7755

San Diego Gas and Electric Company
 ATTN: Larry Grogan/J.M. Nugent
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 San Diego, California 92112
 *(714-232-4252, Ext. 1715/1903

SAYWRIGHT Corporation
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 *Tel: 707-429-5777

Shell Oil Company
 ATTN: Mr. F.W. Nantker
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 Worldway Center
 Los Angeles, California 90009
 *Tel: (805) 648-2751

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 California Geothermal Coordinator
 Sierra Club
 255 Ursuline Road
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Southland Royalty Company
 Natural Resources District
 ATTN: Jere Denton
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 *FIS Opr: 334-3001 (817)390-9200)

Sunoco Energy Development Company
 ATTN: Mr. John Williams
 Suite 1500 -- Box 9
 12700 Park Central Place
 Dallas, Texas 75251
 *FIS 729-4011 214-385-5000

Supron Energy Corporation
 ATTN: Robert J. Sperandio
 Bldg V, Fifth Floor
 10300 North Central Expressway
 Dallas, Texas 75231
 *FIS 729-4011 Comm (214)691-9141

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 ATTN: Bob Walston
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 Denver, Colorado 80203

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Union Oil Company
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Santa Rosa, California 95406

Union Oil Company of California
Geothermal Division
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Los Angeles, California 90051
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Wood Enterprises, Geothermal Division
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