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AREA- AND SITE-SPECIFIC GEOTHERMAL LEASING/PERMITTING PROFILES; UPDATED GEOTHERMAL LEASING/PERMITTING PERFORMANCE ASSESSMENT

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PREFACE

WAPORA, Inc., prepared this report for EG&G Idaho under the Department of Energy's Outreach Program. It is being reissued as an

EG&G formal report in order for it to be made available to those interested in this geothermal application.

3/25/81
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ABSTRACT

The purpose of the project described in this report was twofold. First, the data base on the geothermal leasing and permitting programs initiated in 1978 under the Interagency Geothermal Streamlining Task Force was updated, and changes in performance were quantified and compared. Second, the several segments of the data base were modeled into a cohesive file that can be used easily by persons conversant with the geothermal leasing and permitting programs.

These programs have been described in varying degrees of detail in three previous reports, all of which support the contents of this one. The most comprehensive discussion of the programs is found in *Geothermal Development on Federal Lands—The Impediments and Potential Solutions*, January 1978, prepared under Department of Energy Contract No. EG-77-C-01-4114. The data base itself is the primary subject of two subsequent reports: *Statistical Characterization of the Federal Geothermal Leasing and Permitting Program*, January 1979, DOE Contract No. ET-78-C-01-3114; and *Geothermal Leasing and Permitting Data Base—A Tool for Future Planning*, December 1980, DOE Contract No. DE-AC01-79ET27208.

This report contains sufficient discussion of the elements of the leasing and permitting programs to place the information developed in proper context. It does not, however, provide detailed descriptions, except to reprint for reference a table and process flow diagram developed previously which outline the steps in the non-competitive leasing process. Thus, the reader who is less familiar with the procedures and agency responsibilities involved are referred to the reports referenced above.

This report presents computer printout profiles on 195 identifiable areas in the following states:

Arizona	New Mexico
California	Oregon
Colorado	Utah
Idaho	Washington
Montana	Wyoming
Nevada	

Sufficient information on the boundaries of these areas is contained in the report to permit identification of their general location on any map of the appropriate state which shows township and range locations.

AREA- AND SITE-SPECIFIC GEOTHERMAL
LEASING/PERMITTING PROFILES; UPDATED
GEOTHERMAL LEASING/PERMITTING PERFORMANCE ASSESSMENT

FINAL REPORT
FOR THE PERIOD
June - September 1981

Gene V. Beeland
Estelle Schumann
Melissa Wieland

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SECTION I

INTRODUCTION

The purpose of the project described in this report was twofold. First, the data base on the geothermal leasing and permitting programs initiated in 1978 under the aegis of the Interagency Geothermal Streamlining Task Force was updated, and changes in performance were quantified and compared. Second, the several segments of the data base were modeled into a cohesive file which can be used with ready utility by persons conversant with the geothermal leasing and permitting programs.

These programs have been described in varying degrees of detail in three previous reports, all of which support the contents of this one. The most comprehensive discussion of the programs is found in Geothermal Development on Federal Lands -- The Impediments and Potential Solutions, January 1978, prepared under Department of Energy Contract No. EG-77-C-01-4114.

The data base itself is the primary subject of two subsequent reports. These are:

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This report is designed to contain sufficient discussion of the elements of the leasing and permitting programs to place the information developed in proper context. It does not, however, provide detailed descriptions, except to reprint for reference a table and process flow diagram developed previously which outline the steps in the non-competitive leasing process. Thus, the reader who is less familiar with the procedures and agency responsibilities involved are referred to the reports referenced above.

The non-competitive data base is structured to serve two major functions. Since it contains the dates on which each separate action in the non-competitive leasing process took place, it can quantify the time lapse at each step. This file is the only compilation of this information, and its function is to measure the progress made in issuing non-competitive leases in a timely manner, or where lack of progress or "backslide" is observed, to identify the points of greatest delay.

The file is used in this report to record and discuss changes in the performance of the Bureau of Land Management (BLM) and the Forest Service (FS) since the last update -- September/October 1979 for some offices and June 1978 for others. The timeframe is identified in the data tables.

The second capability of the file is also unique. It is designed to provide profiles of the leasing -- competitive as well as non-competitive, state as well as Federal -- and permitting -- state and Federal -- in specific areas. These profiles provide considerable insight into the degree of

interest demonstrated in an area by knowledgeable potential developers -- the large oil companies and corporations formed for the sole purpose of developing geothermal energy -- and identify areas where limitations on development may be imposed by environmental considerations or other institutional restraints.

As discussed in the December 1980 report referenced above, the degree of interest is reflected in the number of bids on competitive tracts of KGRA land offered for sale and in the number of non-competitive applications filed. Shifts in interest may be detected by patterns in withdrawal of applications and relinquishment or termination of leases, and environmental and related constraints can become evident through a study of applications rejected and long delays in final action on applications, as well as the amount of KGRA acreage offered for sale.

This report presents computer printout profiles on 195 identifiable areas in the following states:

Arizona	New Mexico
California	Oregon
Colorado	Utah
Idaho	Washington
Montana	Wyoming
Nevada	

Sufficient information on the boundaries of these areas is contained in the report to permit identification of their general location on any map of the appropriate state which shows township and range locations. The more precise boundaries of the areas can be observed on the maps of the above states prepared under a previous contract which summarizes the data base and which were also updated during the project reported herein.

A copy of the computer tape containing the entire data base will accompany this report and the maps. Thus, it will be available to the geothermal community through the Department of Energy for use in studies of the geothermal development potential of specific areas.

It is to be remembered that the data base is only as complete and as accurate as the files from which it was taken. Considerable effort has been expended to "clean up" the records, and it is felt that the present composition of the file constitutes, overall, as complete and accurate representation of the results of the geothermal leasing/permitting programs as can be compiled from the information available. As discussed later in this report, it is anticipated that when the use of the data is limited in scope to a single area or areas, it will be possible to use the data applicable to specific areas as the basis for further inquiry.

SECTION II

ELEMENTS OF THE DATA BASE

All of the primary elements of the Federal geothermal leasing and permitting programs are represented in the data base as follows:

- non-competitive lease applications and actions on them (see Figure 1 and Table 1 which are reprinted here from reports referenced in Section I)
- competitive leases and competitive tracts offered on which no bids were received
- pre-lease exploration permits (BLM "Notice of Intent" (NOI) and FS prospecting permits)
- post-lease NOI exploration permits
- post-lease "Application for Permit to Drill" (APD) permits (required by U.S. Geological Survey for all wells drilled for development, testing, production, and reinjection)
- terminated and relinquished leases
- areas designed for assessment of the potential environmental impact of geothermal development.

The data base also includes records on leases issued by the states for state-owned land and drilling permits for operations on state and private land.

NON-COMPETITIVE DATA BASE

This computerized file now contains records on over 7,000 non-competitive geothermal lease applications. This total represents about 85 percent of the total filed since January 1974 when the program was initiated. The missing applications are primarily those on which the records had been archived when the Interagency Geothermal Streamlining Task Force originally requested the data in 1978. Other archived records in New Mexico account for most of the balance.

Some information on those applications is obtainable from the GS computer printout entitled Pre-Lease History of Geothermal Lease Applications Sequenced by Application Number and Date of Action, Format A-3, which is sufficient for many purposes. It could not be used to account for the balance of the applications in the data base discussed here, however, since it does not provide dates of key actions, and would skew the results in using the data to quantify agency performance by state or by study area.

FIGURE 1

Federal Noncompetitive Leasing Process

Primary Responsibility - BLM

ABBREVIATIONS

BLM - Bureau of Land Management
 BLM-DO - Bureau of Land Management District Office
 BLM-SO - Bureau of Land Management State Office
 GS - U.S. Geological Survey
 GS-RCM - U.S. Geological Survey, Regional Conservation Manager
 ACS - Area Geothermal Supervisor
 GS-AG - U.S. Geological Survey Area Geologist

GS-DO - U.S. Geological Survey District Office
 FWS - Fish and Wildlife Service
 FWS-RO - Fish and Wildlife Service Regional Office
 FWS-DO - Fish and Wildlife Service Area Office
 EA - Environmental Analysis (prepared by BLM)
 GEAP - Geothermal Environmental Advisory Panel
 R/C - Agency Review and Comment
 DOE - Department of Energy

TABLE 1

MAJOR ACTIONS INVOLVED IN THE FEDERAL GEOTHERMAL NON-COMPETITIVE LEASING PROCESS

STEP 1 - DATE OF APPLICATION

The date of application is the date of filing stamped on the envelope containing the application when it is received in the appropriate BLM State Office. All applications are received by BLM, whether or not Forest Service lands are involved.

STEP 2 - TRANSMITTAL TO APPROPRIATE BLM DISTRICT OFFICE OR FOREST SERVICE REGIONAL OFFICE

The application is transmitted by the BLM State Office according to the ownership of the lands involved. The time lapse between the date of application and the date of submittal is the first source of potential delay in the process.

STEP 3 - CONSIDERATION OF THE APPLICATION BY THE BLM DISTRICT OFFICE AND/OR THE FOREST SERVICE

At this stage, environmental reviews are conducted; lease/no lease/conditional lease decisions are made; and special stipulations are developed. Forest Service District Offices and National Forests may both be involved in Forest Service consideration along with the Regional Office. When consideration is completed, the application is returned to the BLM State Office. The time lapse between receipt of the application at the District/Forest Service and its return is the second point of potential delay.

STEP 4 - TRANSMITTAL TO GS FOR STIPULATION REVIEW

A time lapse may also occur between return of the application to the BLM State Office and its transmittal to GS for stipulation review.

STEP 5 - REVIEW OF STIPULATIONS

The time lapse for this step is measured by the date on which the application is returned again to the BLM State Office.

STEP 6 - CLEARLISTING

Once the BLM State Office has secured the applicant's signature on the executed lease form, the last major step in the process is "clearlisting" by the GS Area Geothermal Supervisor's office--i.e., determining that none of the acreage covered by the lease is in a known geothermal resource area (KGRA), a designation which requires leasing by competitive bid.

STEP 7 - FINAL DISPOSITION OF NON-COMPETITIVE APPLICATIONS

An application may be withdrawn by the applicant at any point in the process before the lease has been signed by BLM; the application may be rejected; or a lease may be issued. Rejections may also occur at any point in the process, up through the clearlisting determination after the applicant has signed the lease.

The entire non-competitive data base was updated from the files of BLM State Offices during the course of this project and can be considered current to about July 1, 1981. While the file includes applications for Forest Service land, all of the information is obtainable from BLM since it receives all applications and issues all leases, although the Forest Service has control over the issuance of leases for its lands.

Table 1 summarizes the major steps in the leasing process, shown in full in Figure 1, and these are the steps on which the data base is built. As illustrated in Appendices A and B, which are samples of the computerized record on each application -- one record to one line -- the format of the data is as described in Table 2.

Table 3 provides the two-letter code for the environmental study areas, the significance of which are discussed below where the other features of Table 3 are also explained in detail. The number code for reasons of rejection of applications is shown in Table 4. Space was provided to show two reasons since frequently part of the acreage is rejected for one reason and part for another. Sometimes even more factors are involved, but an effort was made in these instances to record the more important reasons since mistakes in filing which are essentially clerical errors are of no particular significance in the data base.

As is indicated in Table 2, in many cases, only part of the acreage covered by an application is rejected, and the balance is leased. This is similarly true in the case of many withdrawals -- i.e., the applicant withdraws only a portion of the acreage requested in the application. Many records will show both a partial rejection and partial withdrawal. When an asterisk indicates that a partial action has been taken -- either rejection or withdrawal -- the acreage involved is entered as shown in Table 2. If an asterisk is not shown, the rejection or withdrawal is total, and the computer will subtract the full acreage applied for.

In the land description, the township and range are always shown. However, the Principal Meridian (PM) is indicated by a letter following the east (E) or west (W) range designation only for California and Colorado where two Principal Meridians are involved. In the other nine states, all townships are located through one meridian. Table 5 provides the codes for the California and Colorado meridians and identifies those in the other states. In California, a general rule of thumb is that most locations in the state are based on the Mt. Diablo PM, and that use of the San Bernardino PM is confined mostly to the southeastern part of the state. It is easily distinguishable on the map.

The acreage covered by some applications is located in more than one township, sometimes in two adjacent ones, or, infrequently, in three contiguous ones. Only the "primary" township, to use the GS term, or the first one listed is used. This subject is discussed in more detail below.

The code used for the applicant name in the non-competitive data file was taken from the GS filing system. It comprises a very large list of different applicants since so many individuals -- as opposed to corporations, municipalities, etc. -- file applications under the non-competitive

TABLE 2

FORMAT OF COMPUTER FILE OF NON-COMPETITIVE LEASING DATA

State:	2-letter code
Serial No.:	5 digits
Land Ownership:	1-letter code; B=BLM; F=FS
Study Area:	2-letter code
Acreage:	4 digits (2,560 acres is the maximum permissible per lease except under very unusual circumstances when a few acres may be added.)
Date of Application*:	6 digits
Date Transmitted by BLM State Office to BLM District Office or National Forest Where the Applied-For Acreage Is Located:	6 digits
Date District/Forest Returned Application to State Office with Recommendation for Lease/No Lease/Lease with Stipulations:	6 digits
Date Transmitted to GS for Stipulation Re- view:	6 digits
Date GS Returned Appli- cation to State Office:	6 digits
Date Transmitted to GS for Clearlisting:	6 digits
Date Application With- drawn by Applicant:	6 digits
If Partial Withdrawal:	asterisk
Date of Lease Issuance:	6 digits

TABLE 2 Continued

one space	If lease refused:	asterisk
	If lease terminated:	T
	If lease relinquished:	R
	Date of Rejection:	6 digits
	If Partial Rejection:	asterisk
	Reason(s) Rejected:	4 digits
	Number of Acres Rejected If Partial:	4 digits
	Number of Acres Withdrawn If Partial:	4 digits
	Land Description (township and range)**	3 digits; letter; 3 digits; 2 letters
	Applicant Name:	10-letter code
	Month/Year of Last Update:	4 digits

*Dates are in the form: MMDDYY.

**Last letter is principal meridian in California and Colorado; only one principal meridian is involved in the other states.

TABLE 3

ENVIRONMENTAL STUDY AREAS BY STATE, THEIR APPROXIMATE SIZE, LOCATION, AND
LAND OWNERSHIP

<u>State and Study Area</u>	<u>Data Retrieval Code</u>	<u>Land Ownership^a</u>	<u>Acreage</u>	<u>Land Description^b</u>	<u>Codes to be Accessed for Full Study Area Record</u>
<u>ARIZONA</u>					
Burro Creek*	BU	BLM	12,623	14N, 11-12W	BU
Coconino Forest	CO	FS	---	11-25N, 3-13E	CO
Flagstaff*	FL	NF/FS/BLM	427,000	21-26N, 6-10E	FL
Gila Box	GI	BLM/FS/NF	30,400	3-6S, 26-30E	GI
Roskrige Mts.*	RO	BLM	---	14-15S, 9E	RO
San Bernardino	SB	BLM	3,000	21-24S, 29-32E	SB
San Jose Wash*	SJ	BLM	20,360	7-8S, 27-29E	SJ
Unnamed*	UN	---	---	1S-1N, 8W; 9-10S, 29-31E; 5-6S, 12-13W	UN
Vulture Mine (now Hassayampa Plain)	VM	BLM	90,000	4-5N, 5-6W	VM, HA
<u>CALIFORNIA</u>					
Angeles*	AN	FS	--	6N, 16W (SB)	AN
Anza	AZ	BLM	15,360	7-8S, 4-5E (SB)	AZ
Beckwourth	BC	BLM/FS	13,120	22-23N, 14E	BC
Bend	BE	---	---	37-38N, 2W-2E	BE
Big Foot Mt. (encompassed by Hayden Hill)	BF	BLM/FS	24,218	11-12N, 11-12W	BF
Bodie	BO	BLM/NF	47,425	3-5N, 25-26E	BO
Bristol-Amboy	BR	BLM/NF	69,120	5-7N, 11-12E (SB)	BR, AM
Cady Mt. (now Pisgah)	CD	BLM	46,080	8N, 6E (SB)	CD, PC
Coso	CO	BLM/FS	80,640	21-23S, 37-39E	CO, OL
Cow Mt.	CM	BLM/Indian	42,900	13-15N, 9-11W	CM
Dunes	DU	BLM	7,680	14-16S, 18-20E (SB)	DU, GL
East Mesa	EM	BR/NF	77,000	12-16S, 16-19E (SB)	EM
Ford's Dry Lake	FL	BLM/NF	7,687	5-7S, 18-20E (SB)	FL
[Geysers Peak Geysers-Calistoga Geysers Extension	[GE	[NF/BLM	[378,687	10-11N, 8-9W 11-13N, 9-10W 7-15N, 5-10W	[GE
Glamis	GL	BR/NF	25,500	13-15S, 18-20E (SB)	GL, DU
Glass Mt.	GM	FS/NF	6,898,939	40-47N, 1-5E	GM

Table 3 Continued

State and Study Area	Data Retrieval Code	Land Ownership ^a	Acreage	Land Description ^b	Codes to be Accessed for Full Study Area Record
Hayden Hill	HH	FS/BLM	68,780	37-38N, 8-9E	HH
Indian Valley	IV	BLM/NF	48,128	14-16N, 5-6W	IV
Inyo	IN	FS	--	7S, 4E (SB)	IN, LC, LV
Klamath*	KL	--	--	42-45N, 2W-3E	KL
Knoxville	KN	BLM/NF	33,000	10-12N, 4-5W	KN
Lake Crowley	LC	BLM/FS/NF	63,525	2-4S, 27-30E	LC, IN
Lassen	LA, LE	FS/BLM	104,493	28-31N, 3-6E	LA, LE
Long Valley	LV	FS/BLM/NF	460,256	2-3S, 27-28E	LV
Los Padres*	LP	FS	--	4N, 21W (SB)	LP
Mendocino	ME	FS	289,280	14-21N, 6-12W	ME
Middle Mt.	MM	FS/BLM/NF	41,245	16-18N, 9-11W	MM
Modoc*	MO	FS	--	37-45N, 3-15E	MO
N. Salton Sea	NS	BLM/NF	43,520	8-10S, 11-13E (SB)	NS
Owens Lake	OL	BLM/NF	20,725	17-19S, 37-38E	OL, CO
Randsburg	RA	BLM	64,640	29-30S, 41-42E	RA
Saline Valley	SA	BLM/NF	22,150	12-13S, 39-40E	SA
Searles Lake	SL	BLM	35,000	23-24S, 43-44E	SL
S. Searles Lake				26-27S, 42-44E	
Shasta	SH	--	--	37-41N, 2-5E	SH
Spangler	SP	BLM/NF	8,320	27-28S, 41-42E	SP
S. Salton Sea (Now San Felipe)	SS	NF/BLM	92,160	11-12S, 9-11E (SB)	SS
Surprise/Warner Valley	SV	BLM/NF	241,920	38-48N, 15-17E	SV
Tahoe*	TA	FS	--	22N, 14E	TA
Tecopa	TE	BLM	--	20-21N, 6-7E (SB)	TE
Upper Pit River	UP	NF/FS/BLM	188,160	40-45N, 9-15E	UP
Wendell Amadee (Honey Lake)	WA	BLM/NF	58,880	27-29N, 15-16E	WA, HL
Witter Springs	WS	BLM	39,680	15-16N, 9-11W	WS
Yuha	YU	NF/BLM	14,720	16-17S, 10-11E (SB)	YU
COLORADO					
Arapaho*	AR	FS/BLM	--	2N, 78W (6th) (Sections 1-8)	AR
Canon City District	CC	BLM/NF	--	35-51N, 7-13E	CC
Canon City/San Isabel N.F.*	CS	BLM/FS	--	14-15S, 78-79W (6th); 45-49N, 8-11E (NM)	CS
Craig*	CR	BLM	--	2N, 77W (6th)	CR

TABLE 3 Continued

State and Study Area	Data Retrieval Code	Land Ownership ^a	Acreage	Land Description ^b	Codes to be Accessed for Full Study Area Record
Craig/Arapaho N.F.	CA	BLM/FS	---	2N, 78W (Balance of Sections)	CA
Gunnison N.F.*	GU	FS	--	48-50N, 4E	GU
Montrose District (includes Ouray- Ridgeway PCRA)	MO	BLM	--	Entire District	MO, OU
Montrose/Gunnison N.F.*	MG	BLM/FS	---	49N, 4E	MG
Montrose/Uncompahgre N.F.*	MU	BLM/FS	--	42-45N, 7-8W	MU
Mount Princeton	MP	FS/BLM	---	14-16S, 78-79W (6th)	MP
Rio Grande N.F.	RG	FS	--	40-41N, 1W-2E	RG
Routt N.F.	RO	FS	---	7N, 84W (6th)	RO
San Isabel N.F.*	SI	FS	---	14-15S, 79W (6th); 51N, 7E (NM)	SI
San Juan N.F.	SJ	FS	--	37-41N, 9-12W	SJ
<u>IDAHO</u>					
Big Southern Butte*	BI	BLM	25,000	1N, 29-30E	BI, BS
Blackfoot Reservoir*	BR	NF/BLM	140,000	5-7S, 40-43E	BR
Boise Front*	BF	BLM	485	3N, 2E	BF
Boise N.F.	BO	FS	--	6-16N, 6-10E	BO, IC, GR, and WL
Bruneau/Grandview/Mt. Home	BC	BLM/NF	271,600	4-8S, 1W-10E	BC or by township
Caribou Forest Area*	CA	FS	--	2-11S, 42-46E	CA
Cassia Co. (includes Raft River KGRA)	CS	BLM/NF	482,400	9-16S, 18-29E	CS
Clover Creek*	CL	BLM	30,000	4-5S, 12E	CL
Crane Creek	CC	BLM/NF	25,500	10-12N, 3-4W	CC
Craters of the Moon	CM	FS/BLM	70,000	3N-3S, 21-27E	CM
Freedom*	FR	BLM/FS	5,400	9S, 46E	FR
Gray's Lake Area*	GL	NF/BLM	50,000	4-5S, 43E	GW, GL
Gray's Lake West*	GW	BLM/NF	14,000	4S, 41-42E	GL, GW
Grandjean Area*	GR	FS	13,894	9-10N, 9-10E	GR
Heise H.S.	HE	BLM	13,000	3S-3N, 40-41E	HE
Idaho City Area	IC	BLM	--	6N, 6E	IC
Island Park	IP	FS/BLM/NF	530,000	8-13N, 41-45E	IP
Lidy H.S.	LH	BLM	2,455	9-11N, 33-34E	LH
Magic	MA	BLM/NF	50,000	2-4S, 17-18E	MA
Mud Lake*	ML	BLM/NF	11,500	7N, 35E	ML

TABLE 3 Continued

State and Study Area	Data Retrieval Code	Land Ownership ^a	Acreage	Land Description ^b	Codes to be Accessed for Full Study Area Record
Oneida Narrows*	ON	NF/BLM	19,000	12-13S, 40E	ON
Parma Area*	PA	BLM	8,700	6N, 4W	PA
Salmon N.F.	SA	FS	--	23N, 18E	SA
Sharkey H.S.*	SH	BLM	7,500	19-20N, 24E	SH
Soda Springs	SS	BLM	--	1N-16S, 32-46E	SS, FR, ON, TW SW, GR, GL, and BR
Sulphur-Wood Canyon*	SW	FS/BLM/NF	10,000	8-9S, 42E	SW
Twin Lakes*	TL	BLM/NF	10,000	14S, 38E	TL
Warm Lake*	WL	FS/NF	3,378	15-16N, 6E	WL
<u>MONTANA</u>					
Barkels H.S.	BH	[BLM	[10,756	1-2S, 5-6W	BH
Biltmore H.S.	BI			4-5S, 6-7W	BI
Boulder H.S.	BO	NF/FS/BLM	81,920	4-6N, 2-5W	BO
Butte District	BU	BLM	--	10N, 1W	BU
Chico H.S.	CH	FS/BLM	No study	6-7S, 8-9E	CH
Corwin H.S.	CS	FS/NF	39,394	8-9S, 7-8E	CS
Hunter H.S.	HH	NF/BLM	50,000	1-2S, 12-13E	HH
Marysville	MA	NF/FS/BLM	86,328	10-12N, 4-6W	MA
Spokane Hills	SH	BLM/FS	17,560	9N, 1E	SH
West Yellowstone (Island Park)	WY	FS/NF	41,000	13-15S, 3-4E	WY
<u>NEVADA</u>					
Baker	BA	FS/NF	1,591,800	4-26N, 64-70E	BA
Brady-Hazen	BR	BLM/NF	128,600	20-23N, 25-28E	BR
Buffalo Hills	BH	BLM/NF	1,457,000	26-42N, 19-28E	BH
Caliente-Virgin Valley	CA	BLM/NF	6,709,280	19S-1N, 62-70E	CA
Cherry Creek	CC	BLM/FS/NF	2,149,900	16-27N, 53-66E	CC
Elko	EL	BLM/FS/NF	10,850,902	25-47N, 44-70E	EL
Esmerelda	ES	BLM/FS/NF	3,105,160	15S-7N, 32-49E	ES
Eureka	EU	BLM/FS/NF	2,109,193	9-26N, 44-58E	EU
Fairview	FA	BLM/NF	2,250,000	5S-10N, 56-70E	FA
Fort Churchill- Clan Alpine	FC	BLM/NF	3,320,000	10-24N, 23-40E	FC, BR
Mina	MI	BLM/FS/NF	1,314,400	1-13N, 28-38E	MI
Pinenut-Walker	PN	BLM/NF/FS	1,481,000	4-19N, 18-31E	PN

TABLE 3 Continued

State and Study Area	Data Retrieval Code	Land Ownership ^a	Acreage	Land Description ^b	Codes to be Accessed for Full Study Area Record
Pyramid	PY	NF/BLM/FS	927,196	16-27N, 18-24E	PY
Shoshone	SH	BLM/FS/NF	2,677,800	13-32N, 37-48E	SH
Stateline	ST	BLM/FS/NF	3,847,711	14-33S, 48-64E	ST
Tonopah	TO	BLM/FS/NF	3,907,149	2S-19N, 35-58E	TO
Winnemucca	WI	BLM/NF/FS	6,666,406	20-47N, 24-44E	WI
<u>NEW MEXICO</u>					
Cabazon	CE	BLM/NF	277,284	14-17N, 1-6W	CE, SA, and SY
Jemez	JE	FS/NF	496,950	16-23N, 1-7E	
Kilbourne Hole	KH	BLM/NF	880,640	23-29S, 7W-2E	KH
Lightning Dock	LD	BLM/NF	971,520	20-29S, 16-21W	LD
Ojo Caliente	OC	BLM/FS/NF	170,240	23-25N, 7-9E	OC
Radium Springs	RS	BLM/NF	1,816,320	10-23S, 2E-8W	RS
Santa Ana Mesa	SM	See Cabazon	See Cabazon	13-15N, 3-4E	SA, CE, and SY
Santa Fe	SA	FS	--	15-21N, 2-5E	
Silver City	SC	BLM/NF	1,629,910	13-22S, 8-20W 16-21W, 2-5E 14-15N, 4E	SC
Socorro Peak	SP	BLM/NF	624, 814	1N-10S, 4W-2E	SP
San Ysidro	SY	See Cabazon	See Cabazon	14-16N, 2W-2E	SY, CE, and SA
<u>OREGON/WASHINGTON^c</u>					
Alvord	AL	BLM/NF	200,000	33-38S, 33-36E	AL
Belknap-Foley	BF, BK	FS/NF	103,000	13-17S, 6-10E	BF, BK
Bend-Sisters P.U.	BS	FS	48,000	16-23S, 7-14E	BS
Bull Run	BR	FS	101,400	2S, 7-8E	BR
Bully Creek	BC	NF/BLM	106,575	17-29S, 43-44E	BC, VA
Burns Butte	BB	BLM/FS	71,959	22-29S, 22-31E	BB
Clakamas P.U.	CL	FS	334,000	6-9S, 5-8E	CL
Cougar (W)	CO	FS	d	13-14N, 10-12E	CO
Cow Creek	CC	BLM/NF	366,406	28-29S, 44-45E	CC
Fort Park	FO	FS	570,000	20-23S, 11-15E	FO
Fremont	FR	FS	55,000	33-41S, 12-22E	FR
Glass Butte	GL	BLM/NF	140,136	22-24S, 22-24E	GL
Goose Lake Valley	GO	FS/BLM/NF	4,210	38-41S, 20-21E	GO
Gifford Pinchot N.F. (W)	GP	FS	300,000	4-14N, 6-10E	GP, GS, WP, WI, CO, and UP

TABLE 3 Continued

State and Study Area	Data Retrieval Code	Land Ownership ^a	Acreage	Land Description ^b	Codes to be Accessed for Full Study Area Record
Green Spirit (W)	GS	FS/NF	80,000	7-9N, 4-6E	GS
Klamath Falls	KL	NF/BLM	650,000	38-41S, 7-14E	KL
Mt. Baker/Snoqualmie (W)	MB	FS	24,000	20-38N, 8-13E	MB
McCredie	MC	FS	25,000	21-22S, 4-5E	MC
Mt. Hood	MH	FS	158,000	1-3S, 8-10E	MH
Northern Malheur	NM	BLM/NF	2,300,000	17-23S, 37-46E	NM
Oregon Canyon	OC	BLM/NF	1,038,000	40S, 42E	OC
Okaganon (W)	OK	FS	16,884	33-34N, 20-22E	OK
Summer Lake	SL	BLM/NF	167,000	29-33S, 17-18E	SL
South Pueblo Mt.	SP	BLM/NF	14,273	41S, 34-35E	SP
Timberline Lodge	TL	FS	589	3S, 8E	TL
Upper Cispus (W)	UC	FS	d	9-10N, 9-10E	UC
Vale	VA	BLM/NF	65,217	17-20S, 45-46E	VA
Warner Valley	WV	BLM/NF	405,000	37-41S, 22-26E	WV
Willamette-Breitenbush	WB	FS/NF	47,283	8-12S, 6-7E	WB
Wild	WI	FS	d	13N, 10-11E	WI
Williamette	WL	FS	--	12-17S, 6-7E	WL
White Panther (W)	WP	FS	--	4-8N, 8-11E	WP
White River	WR	FS	38,000	1-2S, 8-10E	WR
Williamette-West Breitenbush	WW	FS	12,807	9S, 6E	WW
<u>UTAH</u>					
Beaver-Fillmore*	BF	FS	630,000	27S, 6-7W	BF
Clear Creek	CC	--	--	24-27S, 4-6W	CC
Cove Fort-Sulphurdale	CF	BLM/FS	79,071	24-27S, 8-10W	CF, CS
Crater H.S.	CH	BLM	--	12-16S, 5-10W	CH, CR
Enterprise*	EN	FS	23,669	36-37S, 15-16W	EN
Escalante	ES	BLM/NF	330,000	30-36S, 8-15W	ES, LU
Juab Co.*	JC, JU	BLM	1,345,026	10-14S, 2-16W	JC, JU
Markagunt Plateau	MP	FS	120,000	36-38S, 6-9W	MP
Minersville	MI, MM	BLM/NF	425,000	26-30S, 6-13W	MI, MM ^e
Monroe-Joseph	MJ	BLM/FS	27,400	23-26S, 1-3W	MJ
New Castle	NC	BLM/NF	80,000	35-36S, 12-15W	NC
Pine Valley	PV	FS	50,000	37-38S, 15-17W	PV
Roosevelt	RO	BLM/NF	48,000	25-27S, 7-14W	RO, FL, R1 ^e
Sevier	SE, WS	BLM/NF	3,050,000	13-25S, 2-20W	SE, WS

TABLE 3

ENVIRONMENTAL STUDY AREAS BY STATE, THEIR APPROXIMATE SIZE, LOCATION, AND
LAND OWNERSHIP

<u>State and Study Area</u>	<u>Data Retrieval Code</u>	<u>Land Ownership^a</u>	<u>Acreage</u>	<u>Land Description^b</u>	<u>Codes to be Accessed for Full Study Area Record</u>
<u>ARIZONA</u>					
Burro Creek*	BU	BLM	12,623	14N, 11-12W	BU
Coconino Forest	CO	FS	--	11-25N, 3-13E	CO
Flagstaff*	FL	NF/FS/BLM	427,000	21-26N, 6-10E	FL
Gila Box	GI	BLM/FS/NF	30,400	3-6S, 26-30E	GI
Roskrige Mts.*	RO	BLM	--	14-15S, 9E	RO
San Bernardino	SB	BLM	3,000	21-24S, 29-32E	SB
San Jose Wash*	SJ	BLM	20,360	7-8S, 27-29E	SJ
Unnamed*	UN	--	--	1S-1N, 8W; 9-10S, 29-31E; 5-6S, 12-13W	UN
Vulture Mine (now Hassayampa Plain)	VM	BLM	90,000	4-5N, 5-6W	VM, HA
<u>CALIFORNIA</u>					
Angeles*	AN	FS	--	6N, 16W (SB)	AN
Anza	AZ	BLM	15,360	7-8S, 4-5E (SB)	AZ
Beckwourth	BC	BLM/FS	13,120	22-23N, 14E	BC
Bend	BE	--	--	37-38N, 2W-2E	BE
Big Foot Mt. (encompassed by Hayden Hill)	BF	BLM/FS	24,218	11-12N, 11-12W	BF
Bodie	BO	BLM/NF	47,425	3-5N, 25-26E	BO
Bristol-Amboy	BR	BLM/NF	69,120	5-7N, 11-12E (SB)	BR, AM
Cady Mt. (now Pisgah)	CD	BLM	46,080	8N, 6E (SB)	CD, PC
Coso	CO	BLM/FS	80,640	21-23S, 37-39E	CO, OL
Cow Mt.	CM	BLM/Indian	42,900	13-15N, 9-11W	CM
Dunes	DU	BLM	7,680	14-16S, 18-20E (SB)	DU, GL
East Mesa	EM	BR/NF	77,000	12-16S, 16-19E (SB)	EM
Ford's Dry Lake	FL	BLM/NF	7,687	5-7S, 18-20E (SB)	FL
Geyzers Peak Geyzers-Calistoga Geyzers Extension	GE	NF/BLM	378,687	10-11N, 8-9W 11-13N, 9-10W 7-15N, 5-10W	GE
Glamis	GL	BR/NF	25,500	13-15S, 18-20E (SB)	GL, DU
Glass Mt.	GM	FS/NF	6,898,939	40-47N, 1-5E	GM

Table 3 Continued

State and Study Area	Data Retrieval Code	Land Ownership ^a	Acresage	Land Description ^b	Codes to be Accessed for Full Study Area Record
Hayden Hill	HH	FS/BLM	68,780	37-38N, 8-9E	HH
Indian Valley	IV	BLM/NF	48,128	14-16N, 5-6W	IV
Inyo	IN	FS	--	7S, 4E (SB)	IN, LC, LV
Klamath*	KL	--	--	42-45N, 2W-3E	KL
Knoxville	KN	BLM/NF	33,000	10-12N, 4-5W	KN
Lake Crowley	LC	BLM/FS/NF	63,525	2-4S, 27-30E	LC, IN
Lassen	LA, LE	FS/BLM	104,493	28-31N, 3-6E	LA, LE
Long Valley	LV	FS/BLM/NF	460,256	2-3S, 27-28E	LV
Los Padres*	LP	FS	--	4N, 21W (SB)	LP
Mendocino	ME	FS	289,280	14-21N, 6-12W	ME
Middle Mt.	MM	FS/BLM/NF	41,245	16-18N, 9-11W	MM
Modoc*	MO	FS	--	37-45N, 3-15E	MO
N. Salton Sea	NS	BLM/NF	43,520	8-10S, 11-13E (SB)	NS
Owens Lake	OL	BLM/NF	20,725	17-19S, 37-38E	OL, CO
Randsburg	RA	BLM	64,640	29-30S, 41-42E	RA
Saline Valley	SA	BLM/NF	22,150	12-13S, 39-40E	SA
[Searles Lake	[SL	[BLM	[35,000	23-24S, 43-44E	[SL
[S. Searles Lake				26-27S, 42-44E	
Shasta	SH	--	--	37-41N, 2-5E	SH
Spangler	SP	BLM/NF	8,320	27-28S, 41-42E	SP
S. Salton Sea (Now San Felipe)	SS	NF/BLM	92,160	11-12S, 9-11E (SB)	SS
Surprise/Warner Valley	SV	BLM/NF	241,920	38-48N, 15-17E	SV
Tahoe*	TA	FS	--	22N, 14E	TA
Tecopa	TE	BLM	--	20-21N, 6-7E (SB)	TE
Upper Pit River	UP	NF/FS/BLM	188,160	40-45N, 9-15E	UP
Wendell Amadee (Honey Lake)	WA	BLM/NF	58,880	27-29N, 15-16E	WA, HL
Witter Springs	WS	BLM	39,680	15-16N, 9-11W	WS
Yuha	YU	NF/BLM	14,720	16-17S, 10-11E (SB)	YU
COLORADO					
Arapaho*	AR	FS/BLM	--	2N, 78W (6th) (Sections 1-8)	AR
Canon City District	CC	BLM/NF	--	35-51N, 7-13E	CC
Canon City/San Isabel N.F.*	CS	BLM/FS	--	14-15S, 78-79W (6th); 45-49N, 8-11E (NM)	CS
Craig*	CR	BLM	--	2N, 77W (6th)	CR

TABLE 3 Continued

<u>State and Study Area</u>	<u>Data Retrieval Code</u>	<u>Land Ownership^a</u>	<u>Acreage</u>	<u>Land Description^b</u>	<u>Codes to be Accessed for Full Study Area Record</u>
Craig/Arapaho N.F.	CA	BLM/FS	--	2N, 78W (Balance of Sections)	CA
Gunnison N.F.*	GU	FS	--	48-50N, 4E	GU
Montrose District (includes Ouray- Ridgeway PGRA)	MO	BLM	--	Entire District	MO, OU
Montrose/Gunnison N.F.*	MG	BLM/FS	--	49N, 4E	MG
Montrose/Uncompahgre N.F.*	MU	BLM/FS	--	42-45N, 7-8W	MU
Mount Princeton	MP	FS/BLM	--	14-16S, 78-79W (6th)	MP
Rio Grande N.F.	RG	FS	--	40-41N, 1W-2E	RG
Routt N.F.	RO	FS	--	7N, 84W (6th)	RO
San Isabel N.F.*	SI	FS	--	14-15S, 79W (6th); 51N, 7E (NM)	SI
San Juan N.F.	SJ	FS	--	37-41N, 9-12W	SJ
<u>IDAHO</u>					
Big Southern Butte*	BI	BLM	25,000	1N, 29-30E	BI, BS
Blackfoot Reservoir*	BR	NF/BLM	140,000	5-7S, 40-43E	BR
Boise Front*	BF	BLM	485	3N, 2E	BF
Boise N.F.	BO	FS	--	6-16N, 6-10E	BO, IC, GR, and WL
Bruneau/Grandview/Mt. Home	BG	BLM/NF	271,600	4-8S, 1W-10E	BG or by township
Caribou Forest Area*	CA	FS	--	2-11S, 42-46E	CA
Cassia Co. (includes Raft River KGRA)	CS	BLM/NF	482,400	9-16S, 18-29E	CS
Clover Creek*	CL	BLM	30,000	4-5S, 12E	CL
Crane Creek	CC	BLM/NF	25,500	10-12N, 3-4W	CC
Craters of the Moon	CM	FS/BLM	70,000	3N-3S, 21-27E	CM
Freedom*	FR	BLM/FS	5,400	9S, 46E	FR
Gray's Lake Area*	GL	NF/BLM	50,000	4-5S, 43E	GW, GL
Gray's Lake West*	GW	BLM/NF	14,000	4S, 41-42E	GL, GW
Grandjean Area*	GR	FS	13,894	9-10N, 9-10E	GR
Heise H.S.	HE	BLM	13,000	3S-3N, 40-41E	HE
Idaho City Area	IC	BLM	--	6N, 6E	IC
Island Park	IP	FS/BLM/NF	530,000	8-13N, 41-45E	IP
Lidy H.S.	LH	BLM	2,455	9-11N, 33-34E	LH
Magic	MA	BLM/NF	50,000	2-4S, 17-18E	MA
Mud Lake*	ML	BLM/NF	11,500	7N, 35E	ML

TABLE 3 Continued

State and Study Area	Data Retrieval Code	Land Ownership ^a	Acreage	Land Description ^b	Codes to be Accessed for Full Study Area Record
Oneida Narrows*	ON	NF/BLM	19,000	12-13S, 40E	ON
Parma Area*	PA	BLM	8,700	6N, 4W	PA
Salmon N.F.	SA	FS	—	23N, 18E	SA
Sharkey H.S.*	SH	BLM	7,500	19-20N, 24E	SH
Soda Springs	SS	BLM	—	1N-16S, 32-46E	SS, FR, ON, TW SW, GR, GL, and BR
Sulphur-Wood Canyon*	SW	FS/BLM/NF	10,000	8-9S, 42E	SW
Twin Lakes*	TL	BLM/NF	10,000	14S, 38E	TL
Warm Lake*	WL	FS/NF	3,378	15-16N, 6E	WL
<u>MONTANA</u>					
Barkels H.S.	BH	[BLM	[10,756	1-2S, 5-6W	BH
Biltmore H.S.	BI			4-5S, 6-7W	BI
Boulder H.S.	BO	NF/FS/BLM	81,920	4-6N, 2-5W	BO
Butte District	BU	BLM	—	10N, 1W	BU
Chico H.S.	CH	FS/BLM	No study	6-7S, 8-9E	CH
Corwin H.S.	CS	FS/NF	39,394	8-9S, 7-8E	CS
Hunter H.S.	HH	NF/BLM	50,000	1-2S, 12-13E	HU
Marysville	MA	NF/FS/BLM	86,328	10-12N, 4-6W	MA
Spokane Hills	SH	BLM/FS	17,560	9N, 1E	SH
West Yellowstone (Island Park)	WY	FS/NF	41,000	13-15S, 3-4E	WY
<u>NEVADA</u>					
Baker	BA	FS/NF	1,591,800	4-26N, 64-70E	BA
Brady-Hazen	BR	BLM/NF	128,600	20-23N, 25-28E	BR
Buffalo Hills	BH	BLM/NF	1,457,000	26-42N, 19-28E	BH
Caliente-Virgin Valley	CA	BLM/NF	6,709,280	19S-1N, 62-70E	CA
Cherry Creek	CC	BLM/FS/NF	2,149,900	16-27N, 53-66E	CC
Elko	EL	BLM/FS/NF	10,850,902	25-47N, 44-70E	EL
Esmerelda	ES	BLM/FS/NF	3,105,160	15S-7N, 32-49E	ES
Eureka	EU	BLM/FS/NF	2,109,193	9-26N, 44-58E	EU
Fairview	FA	BLM/NF	2,250,000	5S-10N, 56-70E	FA
Fort Churchill- Clan Alpine	FC	BLM/NF	3,320,000	10-24N, 23-40E	FC, BR
Mina	MI	BLM/FS/NF	1,314,400	1-13N, 28-38E	MI
Pinenut-Walker	PN	BLM/NF/FS	1,481,000	4-19N, 18-31E	PN

TABLE 3 Continued

<u>State and Study Area</u>	<u>Data Retrieval Code</u>	<u>Land Ownership^a</u>	<u>Acreage</u>	<u>Land Description^b</u>	<u>Codes to be Accessed for Full Study Area Record</u>
Pyramid	PY	NF/BLM/FS	927,196	16-27N, 18-24E	PY
Shoshone	SH	BLM/FS/NF	2,677,800	13-32N, 37-48E	SH
Stateline	ST	BLM/FS/NF	3,847,711	14-33S, 48-64E	ST
Tonopah	TO	BLM/FS/NF	3,907,149	2S-19N, 35-58E	TO
Winnemucca	WI	BLM/NF/FS	6,666,406	20-47N, 24-44E	WI
<u>NEW MEXICO</u>					
Cabazon	CE	BLM/NF	277,284	14-17N, 1-6W	CE, SA, and SY
Jemez	JE	FS/NF	496,950	16-23N, 1-7E	JE
Kilbourne Hole	KH	BLM/NF	880,640	23-29S, 7W-2E	KH
Lightning Dock	LD	BLM/NF	971,520	20-29S, 16-21W	LD
Ojo Caliente	OC	BLM/FS/NF	170,240	23-25N, 7-9E	OC
Radium Springs	RS	BLM/NF	1,816,320	10-23S, 2E-8W	RS
Santa Ana Mesa	SM	See Cabazon	See Cabazon	13-15N, 3-4E	SA, CE, and SY
Santa Fe	SA	FS	--	15-21N, 2-5E	SA
Silver City	SC	BLM/NF	1,629,910	13-22S, 8-20W 16-21W, 2-5E 14-15N, 4E	SC
Socorro Peak	SP	BLM/NF	624, 814	1N-10S, 4W-2E	SP
San Ysidro	SY	See Cabazon	See Cabazon	14-16N, 2W-2E	SY, CE, and SA
<u>OREGON/WASHINGTON^c</u>					
Alvord	AL	BLM/NF	200,000	33-38S, 33-36E	AL
Belknap-Foley	BF, BK	FS/NF	103,000	13-17S, 6-10E	BF, BK
Bend-Sisters P.U.	BS	FS	48,000	16-23S, 7-14E	BS
Bull Run	BR	FS	101,400	2S, 7-8E	BR
Bully Creek	BC	NF/BLM	106,575	17-29S, 43-44E	BC, VA
Burns Butte	BB	BLM/FS	71,959	22-29S, 22-31E	BB
Clakamas P.U.	CL	FS	334,000	6-9S, 5-8E	CL
Cougar (W)	CO	FS	d	13-14N, 10-12E	CO
Cow Creek	CC	BLM/NF	366,406	28-29S, 44-45E	CC
Fort Park	FO	FS	570,000	20-23S, 11-15E	FO
Fremont	FR	FS	55,000	33-41S, 12-22E	FR
Glass Butte	GL	BLM/NF	140,136	22-24S, 22-24E	GL
Goose Lake Valley	GO	FS/BLM/NF	4,210	38-41S, 20-21E	GO
Gifford Pinchot N.F. (W)	GP	FS	300,000	4-14N, 6-10E	GP, GS, WP, WI, CO, and UP

TABLE 3 Continued

<u>State and Study Area</u>	<u>Data Retrieval Code</u>	<u>Land Ownership^a</u>	<u>Acreage</u>	<u>Land Description^b</u>	<u>Codes to be Accessed for Full Study Area Record</u>
Green Spirit (W)	GS	FS/NF	80,000	7-9N, 4-6E	GS
Klamath Falls	KL	NF/BLM	650,000	38-41S, 7-14E	KL
Mt. Baker/Snoqualmie (W)	MB	FS	24,000	20-38N, 8-13E	MB
McCredie	MC	FS	25,000	21-22S, 4-5E	MC
Mt. Hood	MH	FS	158,000	1-3S, 8-10E	MH
Northern Malheur	NM	BLM/NF	2,300,000	17-23S, 37-46E	NM
Oregon Canyon	OC	BLM/NF	1,038,000	40S, 42E	OC
Okaganon (W)	OK	FS	16,884	33-34N, 20-22E	OK
Summer Lake	SL	BLM/NF	167,000	29-33S, 17-18E	SL
South Pueblo Mt.	SP	BLM/NF	14,273	41S, 34-35E	SP
Timberline Lodge	TL	FS	589	3S, 8E	TL
Upper Cispus (W)	UC	FS	d	9-10N, 9-10E	UC
Vale	VA	BLM/NF	65,217	17-20S, 45-46E	VA
Warner Valley	WV	BLM/NF	405,000	37-41S, 22-26E	WV
Williamette-Breitenbush	WB	FS/NF	47,283	8-12S, 6-7E	WB
Wild	WI	FS	d	13N, 10-11E	WI
Williamette	WL	FS	--	12-17S, 6-7E	WL
White Panther (W)	WP	FS	--	4-8N, 8-11E	WP
White River	WR	FS	38,000	1-2S, 8-10E	WR
Williamette-West Breitenbush	WW	FS	12,807	9S, 6E	WW
<u>UTAH</u>					
Beaver-Fillmore*	BF	FS	630,000	27S, 6-7W	BF
Clear Creek	CC	--	--	24-27S, 4-6W	CC
Cove Fort-Sulphurdale	CF	BLM/FS	79,071	24-27S, 8-10W	CF, CS
Crater H.S.	CH	BLM	--	12-16S, 5-10W	CH, CR
Enterprise*	EN	FS	23,669	36-37S, 15-16W	EN
Escalante	ES	BLM/NF	330,000	30-36S, 8-15W	ES, LU
Juab Co.*	JC, JU	BLM	1,345,026	10-14S, 2-16W	JC, JU
Markagunt Plateau	MP	FS	120,000	36-38S, 6-9W	MP
Minersville	MI, MM	BLM/NF	425,000	26-30S, 6-13W	MI, MM ^e
Monroe-Joseph	MJ	BLM/FS	27,400	23-26S, 1-3W	MJ
New Castle	NC	BLM/NF	80,000	35-36S, 12-15W	NC
Pine Valley	PV	FS	50,000	37-38S, 15-17W	PV
Roosevelt	RO	BLM/NF	48,000	25-27S, 7-14W	RO, FL, RI ^e
Sevier	SE, WS	BLM/NF	3,050,000	13-25S, 2-20W	SE, WS

TABLE 3 Continued

<u>State and Study Area</u>	<u>Data Retrieval Code</u>	<u>Land Ownership^a</u>	<u>Acreage</u>	<u>Land Description^b</u>	<u>Codes to be Accessed for Full Study Area Record</u>
Thermo H.S.	TH	BLM/NF	96,000	29-31S, 10-14W	TH
Thermo-Lund*	TL	--	--	30-38S, 6-13W	TL
<u>WYOMING</u>					
Bridger-Teton	BR	FS/BLM/NF	42,817	33-35N, 118W	BR
Caribou	CA	--	--	33-34N, 119W	CA
Island Park	IL	--	--	47-48N, 118W	IL
Targhee	TA	FS	128,843	46-48N, 117-118W	TA

* No map. Land description embraces that of all non-competitive lease applications assigned to the study area.

^a Given in descending order of relative amount of acreage held. NF = non-Federal; BR = Bureau of Reclamation.

^b Since the contour of the study areas is often irregular, this column provides only the general location.

^c All Oregon/Washington land descriptions based on land descriptions of non-competitive lease applications assigned to study areas.

^d Leasing decision based on LMP EIS.

^e Peculiarity in coding.

TABLE 4
NUMBER CODE FOR REASONS WHY APPLICATIONS
WERE REJECTED

- 1 - Deficiency in legal description
- 2 - Competitive overlap
- 3 - Failure to file proper fees
- 4 - Failure to file preliminary plan of operations
- 5 - KGRA determination by GS
- 6 - Application made for lands previously filed on
- 7 - Failure to file information required under 43 CFR 3202.2
(qualifications of applicant)
- 8 - Failure to apply for all available lands (43 CFR 3210.2-1c)
- 9 - Application to lease lands in which the U.S. has no mineral interest
- 10 - Land applied for not available for lease (national parks, wildlife
refuges, etc.)
- 11 - Application made for lands already under lease
- 12 - Environmental reasons
- 13 - Land in special study area
- 14 - Other

TABLE 5
LETTER CODES FOR PRINCIPAL MERIDIANS

<u>State</u>	<u>Meridian</u>	<u>Code</u>
Arizona	Gila & Salt River	G
California	San Bernardino	S
	Mt. Diablo	M
Colorado	6th Principal Meridian	P
	New Mexico Principal Meridian	N
Idaho	Boise Meridian	B
Montana	Principal Meridian	P
Nevada	Mt. Diablo Meridian	M
New Mexico	New Mexico Principal Meridian	N
Oregon	Willamette Meridian	W
Utah	Salt Lake Meridian	S
Washington	Willamette Meridian	W
Wyoming	6th Principal Meridian	P

program. And the identity of individuals is a key piece of information since it provides the only means for evaluating the role of speculation in this portion of the leasing program.

While some of the corporate names can be determined from the code, others cannot, and unless one is familiar with the code, individual names are not usually discernible. Thus, to identify all applicants, access to the GS printout entitled Geothermal Mailing Label File System, sequenced by Alphabetic Sort Key, Format M-2, will be needed. While it is recognized that this may cause some inconvenience, no better method for listing such a large file could be found.

COMPETITIVE LEASING DATA BASE

The only official source of complete competitive geothermal leasing data is the GS computer file entitled Bidding History of Competitive Geothermal Lease Sales on Federal Land, Format K-1. As of June 5, 1981, it was 194 printout pages in length. It is arranged alphabetically by state and, generally, by KGRA's within the states, and each lease sale within a KGRA is detailed in chronological order.

This format is, of course, a very logical presentation of the data and would be very easy to follow except for one major difficulty. This problem is the practice of renumbering the same tracts of land as they are reoffered through multiple lease sales. A tract may be reoffered because it received no bids when offered previously, it received no acceptable bids, or the leasehold on it has been terminated or relinquished.

It is mandatory in developing an accurate profile of an area to know how many separate tracts have been offered and the acreage contained therein. If tracts and their acreage were counted as another tract each time they are offered, the number of tracts and acreage would be greatly inflated.

However, when the same tract is renumbered through subsequent offers, it becomes very difficult to track, as is illustrated in Table 6. This table shows that for the first three lease sales in the Alvord KGRA in Oregon, the tract numbers were sequential, with the numbers for the second and third sale picking up where the previous sale left off. However, by the time of the fourth and fifth sale, for example, the original Tract 44 had become Tract 32 and Tract 37, respectively. This is only one example since all tract numbers were changed in this case, except for those tracts leased the first time they were offered and Tracts 1, 2, 3, and 4 which remained constant through the fifth sale, the last time they have been offered.

To follow each tract through the 19 pages of detailed computer print-out on the competitive activity in this KGRA is a tedious task which greatly exacerbates the identification of separate tracts and their acreages. It is true that Alvord represents one of the more complex leasing situations, but the problem is pervasive to some extent throughout the competitive file.

TABLE 6
CHANGES IN TRACT NUMBERS THROUGH SIX SALES IN ALVORD, OR, KGRA

5/22/75 1st Sale <u>Tract Nos.</u>	5/29/75 2nd Sale <u>Tract Nos.</u>	6/5/75 3rd Sale <u>Tract Nos.</u>	1/8/80 4th Sale <u>Tract Nos.</u>	4/29/80 5th Sale <u>Tract Nos.</u>	10/23/80 6th Sale <u>Tract Nos.</u>
1			1	1	
2			2	2	
3			3	3	
4			4	4	
5			5	5	2
6			6	6	1
7					
8			7	7	
9			8	8	
10			9	10	
11			10	11	
12					
13			11	12	
14			12	13	
	15			14	
	16			16	
	17			15	
	18			17	
	19		13		
	20		14		
	21			18	
	22		15	19	
	23		16	20	
	24		17	21	
	25		18	22	
	26		19	23	
	27		20	24	
	28		21	25	
		29	22	26	
		30			
		31			
		32			
		33	23	27	
		34			
		35	24	28	
		36	25	29	
		37	26	30	
		38	27	31	
		39	28	32	
		40	29	33	
		41	30	34	
		42			
		43	31	36	
		44	32	37	

Thus, in preparing this information to become part of the computer-retrieved, site-specific profiles, it was greatly simplified, with a one-line record accommodating action on each tract offered. The format is shown in Table 7.

The first major change made was that sequential numbers were assigned to tracts on their first offer, and those numbers are retained throughout the presentation of their subsequent history. If a user of the data found it necessary to refer back to the GS file on a given KGRA, he would similarly renumber all first-offer tracts in sequence to ascertain the GS number, and then that number could be tracked throughout the remaining sales on the KGRA.

The second step in simplification was to adopt a two-letter code for identifying competitive bidders and lessees. This code is shown in Table 8. As was noted previously in discussing non-competitive leasing, individuals play a very large role in that part of the leasing system, but individuals exert far less influence on competitive leasing and, generally, although with exceptions, their identity is relatively unimportant in this aspect of the system. Thus, the two-letter code shown in Table 8 was developed for corporate, municipal, Federal and state agency, university, and other types of institutional entities to obviate, for almost all uses, the need for the lengthy GS printout. Individual bidders and lessees are identified only as "IN", and if further identification is needed in finely-honed site-specific studies, and such need will probably be very infrequent, reference to the GS record will be necessary.

It does not appear that the simplification and abbreviation of the GS file sacrifices significant detail although it cannot accommodate the occasional complex situation. Some examples of this type of occurrence are shown in Table 9.

In the first example, Tract 08 in The Geysers sale of January 22, 1974, also Tract 08 in the WAPORA data file, was leased to Burmah Oil and Gas. The lease, CA 956, covered 249.55 acres. It was defined as a producible lease on March 15, 1976, and on January 1, 1977, Burmah assigned part of the acreage, 79.95 acres to a new lease. This acreage was leased as CA 956A. In the meantime, Burmah changed its name to Aminoil USA, which involved a change of lessee. The file then notes that it is a producible lease, which at first glance would lead to the conclusion that it is CA 956A, the new lease that is producible, but the date given is almost a year earlier than the first "producible" designation was given, and a year and a half before the new lease was created. Then the file repeats the partial assignment to a new lease, and indicates there was a partial assignment of interest on May 1, 1978, to whom is not indicated. The lease was pronounced a producing lease on May 15, 1980, but there is no distinction as to whether it is CA 956 of 169.60 acres of CA 956A of 79.95 acres.

TABLE 7

FORMAT OF COMPUTER FILE OF COMPETITIVE LEASING DATA

State:	2-letter code
KGRA:	2-letter code
Tract Identifier:	2 digits
Acreage:	4 digits
Land Description (township and range):	2 digits; letter; 2 digits; letter
If Multiple Townships:	askerisk
Date of First Sale:	6 digits
Action:	N = No bid; L = Leased; A = No acceptable bids; P = Parcels broken up and rearranged on reoffer; W = Withdrawn by BLM, no bids accepted; R = Lease refused by high bidder.
Date of 2nd Sale:	6 digits
Action:	Same as above.
Date of 3rd Sale:	6 digits
Action:	Same as above.
Date of 4th Sale:	6 digits
Action:	Same as above.
Date of 5th Sale:	6 digits
Action:	Same as above.
Date of 6th Sale:	6 digits
Action:	Same as above.
Highest Bidder:	2-letter code
Other Bidders:	space for 5 addition bidders, 2-letter code each
Highest Bid Per Acre:	4 digits

TABLE 7 Continued

Lease Number:	5 digits
Post-Lease Actions:	R = Relinquished; T = Terminated; A = Assingment; S = Segregated
Date of Action:	4 digits
Acreage Involved:	6 digits
Assignee (or new lessee if no assign- ment shown):	2-letter code
Lessee by Grandfather Rights (if other than highest bidder):	2-letter code

TABLE 8

TWO-LETTER APPLICANT/LESSEE/PERMITTEE CODE FOR FEDERAL
COMPETITIVE LEASING AND PRE- AND POST-LEASE PERMITTING
AND STATE LEASING AND PERMITTING FILES

AA Alta Energy Corp.
 AC Aminoil USA and Occidental Geothermal
 AE Amax Exploration Co. and Earth Power Corp.
 AG American Geothermal Energy, Inc.
 AH American Oil Shale (Utah)
 AI Agri-Technology
 AL Al-Aquitaine Exploration, Ltd.
 AM Amax Exploration Co.
 AN Anadarko Production Co.
 AO Aminoil USA, Inc.
 AP American Geological Enterprises, Inc.
 AR Atlantic Richfield Co.
 AS The Anschutz Corp.
 AT Atlantic
 BE Bendix/United Geophysical Corp.
 BI Boise, Idaho
 BO Bountiful, Utah
 BR Bureau of Reclamation
 CA State of California
 CB City of Burbank
 CD Calvert Drilling Co.
 CE Chevron USA & Diablo Exploration, Inc.
 CG California Geothermal, Inc.
 CH Chevron USA, Inc.
 CL Champlin Petroleum Co.
 CO Colorado Geological Survey
 CP Cherokee and Pittsburgh Coal & Mining
 CR Chevron USA and Phillips Petroleum Co.
 DA Davon Inc.
 DG Department of Geology and Mineral Industries (Oregon)
 DI Diablo Exploration, Inc.
 DO Dow Chemical Co.
 DU University of Utah, Department of Geology and Geophysics
 DX Dixel Resources Inc.
 EC Echo Dell Inc. (Idaho)
 ED Electrodyne Survey
 EK Eureka Energy Co.
 EL Elko Heat Co.
 ER Earth Power, Thermal Resources, U.S. Geothermal
 EU Eugene Water and Electric Board (Oregon)
 EP Earth Power Corp.
 FO Farminco, Inc.
 FR Francana Resources, Inc. (Oregon)
 GA General Geothermal, Inc.
 GE Getty Oil Co.
 GG GTS
 GI Geothermal Services, Inc. (Idaho)
 GK Geothermal Kinetics
 GM Geothermal Energy and Mineral Corp.
 GN Geonomics

TABLE 8 Continued

GO	Geothermal Resource Exploration Operations
GP	GeoProducts Corp.
GR	Geothermal Resources International
GS	U.S. Geological Survey
GT	Geotronics, Inc.
GU	Gulf Oil Corp.
GW	Geothermal Power
HA	Harrah's
HL	Harding-Lawson Associates
HO	Howard-Donley Associates, Inc. (Idaho)
HS	Hydro-Search, Inc.
HU	Hunt Energy Co.
HY	Hydrothermal Energy Co.
ID	State of Idaho
IM	Imperial Thermal Products, Inc.
IN	Individual(s)
IT	Intercontinental Energy Corp.
KA	Kaiser Aluminum & Chemical Corp.
KE	Kee Oil & Gas Leasing
KL	City of Klamath Falls
KM	Kerr-McGee Chemical Co.
LA	Louisiana Land and Exploration Co.
LV	LVO Corp.
MA	Magma Power Co.
MC	MCR Geothermal Corp.
ME	Madison County Energy Commission (Idaho)
MF	Mountain Fuel Supply Co.
MG	McCulloch Geothermal
MI	Millican Oil Co.
MO	Monument
MP	Mapco, Inc.
MR	Monroe City, Utah
MS	Mountain States Resources Corp.
MT	Mother Earth Industries
MU	Magma Power Co. and Union Oil Co.
MY	Maywood Industries of Oregon
NA	Natomas Co.
NC	Northern California Power Agency
NE	Nevada Lakeshore Co., Inc.
NG	National Geothermal Corp. of Nevada
NI	Nix Drilling Co.
NM	University of New Mexico
NO	Northwest Natural Gas Co.
NP	Nevada Properties
NW	Northwest Geothermal Exploration
OB	O'Brien Resources
OC	Occidental Geothermal, Inc.
OL	Occidental Geothermal, Louisiana Land
OP	Oxy Petroleum and Petro-Lewis Corp.
OR	Ore-Ida Foods
PA	Pacific Energy Corp.
PE	Petro-Lewis Corp.
PG	Phillips Petroleum Co. and Gulf Oil Corp.

TABLE 8 Continued

PH Phillips Petroleum Co.
 PO Plattsburgh Quarries, Inc.
 PR Petty Ray Geophysical
 PS Public Service Co. of NM
 RB Republic Geothermal, Inc. and City of Burbank
 RE Republic Geothermal, Inc.
 RG Republic - 1975 Geothermal Energy
 RR Raft River Rural Electric Cooperative
 RS Resource Leasing Corp.
 SA Steam Corp. of America
 SC City of Santa Clara
 SD Sunoco Energy Development Co.
 SE Seismic Exploration Co.
 SH Shell Oil Co.
 SI Simasko Production Co.
 SJ San Juan Oil Co.
 SL Shaw Land Realty Co.
 SM Southern Methodist University
 SN Signal Oil & Gas Co. and Natomas Co.
 SO Southern Union Production Co.
 SR Southern Royalty Co.
 SS Senturian Sciences, Inc.
 ST Standard Oil Co. of California
 SU Supron Energy Corp.
 SY Sun Oil Co.
 TA Texoma Production
 TC Thermex Co.
 TE Technology International
 TG Thermogenics, Inc.
 TH Thermal Power Co.
 TN Thermal Power/Natomas
 TO Total Energy Resources
 TX Texaco, Inc.
 UG Union Oil and Magma Energy
 UM Union Oil, Magma Power, Thermal Power
 UN Union Oil Co. of California
 UR Utah Roses
 UT Utah Power and Light
 UV U. V. Industries
 VA Valley High Oil, Gas, & Minerals
 WO Warner Valley Operations
 WS Western Service Co. (Oregon)
 WT Wy'East Exploration Co. (Oregon)
 WW White Water Development Co. (Oregon)
 WY Weyerhaeuser

TABLE 9

EXAMPLES OF COMPLEX COMPETITIVE LEASING HISTORIES
EXTRACTED FROM USGS FORMAT K-1

KGRA: The Geysers

SALE DATE: 01/22/74

Tract 08 Acreage Offered: 249.55 (First Offer) Township 011N Range 008W MD

	BID	PER ACRE			
High Bidder: Hurmah Oil and Gas (now Aminoil USA)	\$ 75600.00	\$ 302.95			
Bidder: Union Oil Company of California	\$ 57045.00	\$ 228.59			
LEASE HISTORY					
Lessee: Hurmah Oil and Gas (now Aminoil USA)			*PUBLIC DOMAIN*	*ACQUIRED*	***USFS***
Leased As: CA 956 on 08/01/74			249.55	.00	.00
Producible Lease: 03/15/76					
Partial Assignment to New Lease: 01/01/77			169.60	.00	.00
Current Leased Acreage:			79.95	.00	.00
Current Total Leased: 79.95 Acres					
Change of Lessee: Aminoil USA, Incorporated					
Leased As: CA 956A on 08/01/74			169.60	.00	.00
Producible Lease: 04/18/75					
Partial Assignment to New Lease: 01/01/77			.00	.00	.00
Partial Assignment of Interest: 05/01/78					
Producing Lease: 05/15/80					
Current Leased Acreage:			169.60	.00	.00
Current Total Leased: 169.60 Acres					

KGRA: Crump Geysers

SALE DATE: 07/31/75

Tract 08 Acreage Offered: 2560.00 (First Offer) Township 040S Range 024E WM

	BID	PER ACRE			
High Bidder: Chevron Oil Company	\$ 10572.80	\$ 4.13			
LEASE HISTORY					
Lessee: Chevron Oil Company			*PUBLIC DOMAIN*	*ACQUIRED*	***USFS***
Leased As: OK 14702 on 10/01/75			2560.00	.00	.00
Partial Relinquishment: 02/28/77			40.00	.00	.00
Relinquished Competitive Lease: 06/23/80					
Reoffered as tract 57 on 01/08/80 and not bid on.			2520.00	.00	.00
Reoffered as tract 57 on 01/08/80 and not bid on.			.00	.00	.00
Current Leased Acreage:					
Current Total Leased: .00 Acres					
Change of Lessee: Chevron U.S.A., Inc.					

TABLE 9 Continued

Tract 00 Acreage Offered: 2400.00 (First Offer)
 High Bidder: Chevron Oil Company
 LEASE HISTORY
 Lessee: Chevron Oil Company
 Leased As: UK 14703 on 10/01/75
 Partial Relinquishment: 12/01/76
 Reoffered as tract 58 on 01/08/80 and not bid on.
 Relinquished Competitive Lease: 06/23/80
 Reoffered as tract 58 on 01/08/80 and not bid on.
 Current Leased Acreage:
 Current Total Leased: .00 Acres
 Change of Lessee: Chevron U.S.A., Inc.

Township 040S Range 024E NM

BID	PER ACRE	*PUBLIC DOMAIN*	*ACQUIRED*	***USFS***
\$ 12288.00	\$ 5.12	2400.00	.00	.00
		1280.00	.00	.00
		1120.00	.00	.00
		.00	.00	.00

KGRA: Beowawe

SALE DATE: 12/18/74

STATE: Nevada

LEGAL DESCRIPTION: Township 032N Range 048E MD
 031N 047E
 031N 048E
 031N 049E
 030N 047E

Tract 91 Acreage Offered: 1942.64 (First Offer)
 High Bidder: Chevron Oil Company
 Bidder: Southern Union Production Company
 LEASE HISTORY
 Lessee: Chevron Oil Company
 Leased As: N 10915 on 03/01/75
 Partial Assignment to New Lease: 10/01/75
 Jointed Unit Agreement: 11/16/79
 Current Leased Acreage:
 Current Total Leased: 1302.64 Acres
 Change of Lessee: Chevron U.S.A., Inc.
 Leased As: N 10915A on 03/01/75
 Partial Assignment to New Lease: 10/01/75
 Total Assignment to New Lease: 06/01/80
 Current Leased Acreage:
 Current Total Leased: 640.00 Acres

Township 030N Range 047E MD
 031N 047E

BID	PER ACRE	*PUBLIC DOMAIN*	*ACQUIRED*	***USFS***
\$ 15074.89	\$ 7.76	1942.64	.00	.00
\$ 2002.00	\$ 1.03	640.00	.00	.00
		1302.64	.00	.00
		640.00	.00	.00
		.00	.00	.00
		640.00	.00	.00

TABLE 9 Continued

KGRA: Hot Springs Point

SALE DATE: 12/18/74

Township 029N Range 048E MD

	BID	PER ACRE			
Tract 03 Acreage Offered:	2560.00 (First Offer)				
High Bidder:	Chevron Oil Company	\$ 125619.20	\$ 49.07		
Bidder:	Getty Oil Company	\$ 23040.00	\$ 9.00		
LEASE HISTORY					
Lessee:	Chevron Oil Company			*PUBLIC DOMAIN*	*ACQUIRED*
LEASE HISTORYPUBLIC DOMAIN*					
Assigned As:	N 10921			2560.00	.00
Lessee:	Chevron Oil Company				
Partial Relinquishment:	07/03/75			640.00	.00
Partial Assignment to New Lease:	09/01/75			640.00	.00
Partial Assignment to New Lease:	02/01/76			640.00	.00
Total Assignment to New Lessee:	03/01/76				
Terminated Competitive Lease:	03/01/78			640.00	.00
Current Leased Acreage:				.00	.00
Current Total Leased:	.00 Acres				
Change of Lessee:	Diablo Exploration, Incorporated				
Leased As:	N 10921A on 03/01/75			640.00	.00
Partial Assignment to New Lease:	09/01/75			.00	.00
Relinquished Competitive Lease:	08/27/79			640.00	.00
Current Leased Acreage:				.00	.00
Current Total Leased:	.00 Acres				
LEASE HISTORYPUBLIC DOMAIN*					
Assigned As:	N 10921B			640.00	.00
Lessee:	Diablo Exploration, Incorporated				
Partial Assignment to New Lease:	02/01/76			.00	.00
Terminated Competitive Lease:	03/01/78			640.00	.00
Current Leased Acreage:				.00	.00
Current Total Leased:	.00 Acres				

The current total leased is given as 169.60 acres when, in fact, the total of 249.55 acres of the initial lease is still under lease to Aminoil, the successor to Burmah, at Township 11N, Range 8W, in The Geysers KGRA, and that production is taking place on the acreage. These facts are essentially all one needs to know about this administrative tangle, and the WAPORA file entry does not show the assignment since the assignment was from Aminoil to Aminoil. The same situation occurred with respect to a Chevron Oil Co., now Chevron USA, as shown in the Beowawe example in Table 9.

(Since there were not enough leases in the producible category to warrant computerization at this time, those so designated are identified in Table 10. Those actually producing are also identified.)

The second entry in Table 9 illustrates a different complexity also involving Chevron Oil/Chevron USA. This company was the winning bidder for Tract 08 in the Crump Geysers KGRA lease sale of July 31, 1975. On February 28, 1977, Chevron relinquished 40 acres of the original total of 2,560 acres. Then on June 23, 1980, the company relinquished the balance of the acreage. The file shows that the total combined acreage was reoffered on January 8, 1980, and not bid on, when, in fact, only the 40 acres was reoffered. Since this acreage was not bid on and the 2,520 acres were not reoffered, the WAPORA file, within its more limited scope, simply shows that the total relinquished acreage has not been re-leased. The same situation occurred with Tract 09 as shown in Table 9. Only the initially relinquished 1,280 acres were offered, but since none of the acreage has been re-leased, the manner of presenting this fact is of little consequence.

Another very complex administrative example is shown in Table 9, as embodied in the record on Tract 03, Hot Springs Point KGRA in Nevada. The only essential points which emerge from this leasing history are that Chevron was the initial lessee, Getty Oil Co. also bid, Diablo Exploration, Inc. once held the lease, and the lease on the entire initial acreage has been terminated.

WAPORA's file is clear on the fundamental elements of this record, as it is believed to be on the majority of the competitive lease histories. While the GS file will continue to be the source for this type of information on lease sales held in the future, the abbreviated file should save much effort in dealing with sales to date. The competitive data are current to June 5, 1981. The two-letter code for identifying KGRA's is shown in Table 11.

PRE-LEASE EXPLORATION PERMITS

The difficulties in handling pre-lease exploration permits -- BLM "NOI" permits and Forest Service prospecting permits -- were described in the January 1980 report referenced in Section I, but it is felt desirable to repeat them here so that all concerns with interpreting the data base are included in this document.

TABLE 10

LEASES DESIGNATED AS "PRODUCIBLE" BY U.S. GEOLOGICAL SURVEY

<u>KGRA</u>	<u>Lease Sale Date</u>	<u>GS Tract No.</u>	<u>WAPORA Tract No.</u>
East Mesa	1/22/74	03*	03
The Geysers	1/22/74	01	01
		02	02
		08*	08
		10*	10
	5/29/74	07*	07
		09*	09
Geysers/Calistoga	11/22/78	03*	03
Lightning Dock	9/19/78	02*	02
Brady-Hazen	6/15/76	02	02
		03	03
		06	06
	12/13/77	02	07
		03	16
Dixie Valley	4/20/76	11	08
Roosevelt Hot Springs	7/30/74	01	01
		02	02
		03	03
		04	04
		05	05
		06	06
		07	07
		08	08
		10	10
		11	11

*Producing

TABLE 11

KGRA CODE FOR COMPETITIVE LEASING FILE
(Study Area Code in Parenthesis)

Arizona

CL Clifton (GI)

California

EM East Mesa (EM)
GC Geysers-Calistoga (GE)
GE Geysers (GE)
HE Heber (None)
MO Mono-Long Valley (LV)
SV Lake City - Surprise Valley (SV)
WA Wendel-Amedee (HL)

Colorado

MI Mineral Hot Springs (RG)
PO Poncha (PO)
VV Valley View (RG)

Idaho

BG Bruneau (BG)
CA Castle Creek (BG)
CC Crane Creek (CC)
MH Mountain Home (BG)
RR Raft River (CS)

Montana

BO Boulder Hot Springs (BO)
MA Marysville (MA)

New Mexico

BA Baca (JE)
KH Kilbourne Hole (KH)
LD Lightning Dock (LD)
RA Radium Springs (RS)
SO Socorro Peak (SP)
SY San Ysidro (SY)

Nevada

BE Beowawe (SH, Also EL)
BR Brady-Hazen (BR)
BZ Baltazor (WI)
CO Colado (WI)
DA Darrough Hot Springs (TO)
DV Dixie Valley (FC, also WI)
EL Elko Hot Springs (EL)
FR Fly Ranch (BH)
GE Gerlach (BH)
HS Hot Springs Point (EL)
KY Kyle Springs Point (WI)
LE Leach Hot Springs (WI)
MO Monte Neva Hot Springs (CC)
PI Pinto Hot Springs (WI)
RU Ruby Valley (EL)
RY Rye Patch (WI)
SA Salt Wells Basin (FC)
SB Steamboat Springs (PY)
SE San Emidio Desert (BH)
SI Silver Peak (ES)
ST Stillwater-Soda Lake (FC)
WA Wabuska (PN)
WS Warm Springs (TO)
WI Wilson Hot Springs (PN)

Oregon

AL Alvord (AL)
BB Burns Butte (BB)
BR Breitenbush Hot Springs (WB)
CR Crump Geyser (WV)
KL Klamath Falls (KL)
SL Summer Lake Hot Springs (SL)
VA Vale Hot Springs (VA)

Utah

CH Crater Hot Springs (CR)
CS Cove Fort - Sulphurdale (CS)
LU Lund (ES)
MH Meadow-Hatton (SE)
MJ Monroe-Joseph (MJ)
NE Newcastle (NE)
RO Roosevelt Hot Springs (RO)
TH Thermo Hot Springs (TH)

The first problem with these permits is that they commonly cover multiple townships, or many square miles. To repeat the example used previously, one NOI in Utah embraced land in nearly 30 townships.

Another problem is that BLM procedures do not require that the file on the permit record the permittee's activities under the permit so there is no way to know whether he engaged in any exploratory activity, where he did it, or, in fact, if the permit was even used.

Thus, entering all of the townships would clutter the data base with meaningless information, and the practice of using the first township listed was retained. Therefore, activities which may have taken place under the permit are recorded only once in one township.

This listing is the only compilation of these permits and had to be derived from the files of BLM District Offices and National Forests. Very few FS prospecting permits were reported and the land description of some of those was not provided.

Similarly, in Nevada where pre-lease activity has been particularly intense, most of the BLM records provided do not identify land descriptions. As shown in Appendix C, the area is given, but some of these areas cover several hundred square miles and the exact location is impossible to determine.

It is suggested that in site-specific studies where good information on pre-lease activity is desired that the best contacts are the BLM or FS field people in the District and Forest Offices who investigate the explored areas to determine compliance with the terms of the permits.

The format of the data base on these permits is shown in Table 12.

POST-LEASE EXPLORATION PERMITS

In contrast to the incomplete records on pre-lease exploration activities, GS computerized its records on post-lease NOI and APD drilling permits. The file indicates the activity or activities, as shown in Table 13, and sets forth the status. For example, if an applied-for well was not drilled, this is recorded. In addition, the leasehold on which the activity occurred is identified.

Also in contrast to the pre-lease record, the location of each activity undertaken under the permit is recorded. Thus, the data file shows over 1,500 separate activities -- geophysical work and shallow and deep temperature gradient holes -- permitted under only 213 NOI's.

Unfortunately, during the period of this project, the GS computer program on this file was inoperable, and the data could not be updated. Thus, this portion of the data base is current only to November 4, 1980.

TABLE 12

FORMAT OF COMPUTER FILE OF PRE-LEASE EXPLORATION PERMIT DATA*

State:	2-letter code
Serial Number:	11 digits
Date:	6 digits
Land Description (township and range):	2 digits; letter; 2 digits; letter
If Multiple Townships:	asterisk
Meridian:	1-letter code
Permittee:	2-letter code
Activity Applied For:	GE = Geophysical Work; GH = Shallow Temperature Gradient Holes
Approximate Federal Study Area:	2-letter code

*All information was not available for all permits; many in Nevada not entered because of lack of land description.

TABLE 13

FORMAT OF COMPUTER FILES OF POST-LEASE AND APD PERMITTING DATA*

State:	2-letter code
Permit Number:	5 digits
Lease Number:	5 digits
Issue Date:	6 digits (000000 means not issued)
Land Description (township and range):	2 digits; letter; 2 digits; letter
Activity Permitted:	<p>Post-Lease File: GE = Geophysical Work; ST = shallow temperature gradient hole; DT = deep (more than 500') temperature gradient hole; DW = deep well requiring APD drilling permit</p> <p>APD File: TE = test; OB = observation; HW = hot water; ST = steam; IN = injection</p>
Permittee:	2-letter code
Peculiarity - go back to GS data:	asterisk
Meridian:	1-letter code
Well Status:	<p>ND = Not Drilled; PA = Plugged and Abandoned; AC = Active; PR = Proposed; SH = Shut-in; DR = Drilling</p>
Approximate Federal Study Area:	2-letter code

*Multiple activities are permitted by the same permit.

STATE GEOTHERMAL LEASES

The types of information available on state leases is not uniform from state-to-state, but as complete a record on them as could be obtained is included in the data file. A map search was conducted to tie the state lease locations as closely as possible to the Federal study areas. Thus, when information is retrieved by study area, discussed below, it will include the state leases. (See Table 14.)

Idaho and Utah have issued by far the greatest number of leases. On the other end of the scale, the State of Washington has no mechanism yet for leasing state land, although it is understood that there is interest in developing a leasing program. There is almost no state-owned land in Nevada, and no leases have been issued although the statutory authority is there.

STATE DRILLING PERMITS

The data on state drilling permits is similarly nonuniform since the manner in which records are kept by the various states is nonuniform. The information desired included:

- permit number
- date issued
- name of permittee
- location
- total depth
- purpose
- status (e.g., never drilled, plugged and abandoned, active)

However, the full information was not available from any agency, and there was a wide variation in the combination of "pieces" of it obtained. The inconsistency created could have been solved by using only the types of information available from all ten states. (Washington has issued no geothermal drilling permits.) That approach was rejected on the basis that as much information as was available should be provided. The format used is shown in Table 15.

By far the vast majority of permits were for shallow temperature gradient holes, as would be expected. However, a few deep holes were indicated, and they are identified in the data base. It must be remembered, though, that some deep wells may not be reflected in the data where well depth was not provided.

In addition, permits for wells that were not drilled are so identified in the data base to the extent that this factor was made known. But, again, this information was not universally available, and judging from the frequency of this occurrence in states where it was identified, it can be

TABLE 14

FORMAT OF COMPUTER FILE OF STATE LEASING DATA*

State:	2-letter code
Serial Number:	8 digits
Date:	6 digits
Acreage:	4 digits
Land Description (township and range):	2 digits; letter; 2 digits; letter
If Multiple Townships:	asterisk
Meridian:	1-letter code
Lessees:	space for 3 lessees, 2-letter code each
Post-lease Activity:	C = Cancelled
Approximate Federal Study Area:	2-letter code

*All information was not available for all leases.

TABLE 15

FORMAT OF COMPUTER FILE OF STATE DRILLING PERMIT DATA*

State:	2-letter code
Serial Number:	5 digits
Date:	6 digits
Land Description (township and range):	2 digits; letter; 2 digits; letter
If Multiple Townships:	asterisk
Meridian:	1-letter code
Permittee:	2-letter code
Withdrawn:	askterisk
Cancelled:	asterisk
Second Party to Permit:	2-letter code
Approximate Federal Study Area:	2-letter code
Deeper than 2000 feet:	asterisk
Status:	ND = Never Drilled

*All information was not available on all permits.

assumed that many permits went unused in the other states. Thus, in site-specific studies, more information should be sought on drilling permits of interest from the permittee, if possible, or from state agency personnel who may be familiar with the activity.

RETRIEVAL OF AREA AND SITE-SPECIFIC PROFILES

Two means for retrieving what may be described as area- or site specific profiles of leasing/permitting patterns are built into the data system. One is retrieval by township, which is an approximately six-square-mile area, and the other is retrieval by environmental study area.

The study areas were designated by BLM and the Forest Service in order to assess the potential environmental impact of geothermal development on surrounding areas. This assessment is required by the geothermal regulations (43 CFR, 3200.0-6(a)), and in turn by the National Environmental Policy Act (NEPA) (P.L. 91-190), before leases may be issued under the Geothermal Steam Act.

Study areas may contain KGRA acreage, non-competitive acreage, or both. Methods of their designation, their purpose, and characteristics are described in detail in the reports referenced in Section I.

In the context of the data base, however, they are used only as a locator. They provide the vehicle for accessing information on a cohesive area profile in terms of homogeneous surface and climatic features and considerations of population, economics, and social conditions since NEPA requires that these features be taken into account in establishing the boundaries of the study areas.

Their relative value for this purpose depends on their size, which varies widely as shown in Table 3. In serving the environmental assessment function, the large areas were more beneficial to geothermal development because leases could be issued on more land, unless the assessment found environmental sensitivity which precluded or inhibited leasing.

In the use to which they are put in the data system, the smaller areas provide the greater utility in site-specific studies. For example, the Winnemucca study area in Nevada covers over seven million acres and has seen the high degree of activity shown in Appendix A, which represents the full data base on Winnemucca. In contrast, the Heise Hot Springs area in Idaho is a very compact area of 13,000 acres, the record on which is shown in Appendix B. It is located in three contiguous townships, forming a very even rectangle on the map. In such cases, it will be simpler and less time consuming to retrieve the data by study area.

When the study area is extremely large, however, site-specific value will be enhanced by retrieving the data on a township basis for the particular area of interest within the study area. It will also be more economic since printing out the entire data base on a large area will be time-consuming in itself -- e.g., the Winnemucca records in Appendix A -- and manual selection of data for the smaller area of interest would still be required.

There is one limiting factor in using data by township, but this will only be limiting when a single township is under study. This occurs because some non-competitive applications, leases, and permits cover sections in more than one township, as discussed previously. Leases and applications do not, however, cover such large numbers of townships as is normal in pre-lease exploratory permits, being confined by the regulations (43 CFR, 3203.2) to "a reasonably compact area." Thus, the multiple townships involved are two adjacent townships or three contiguous ones.

When the non-competitive data base was initiated, it was decided that the use of detail down to the section level would make the file unnecessarily complex for its initial purposes and that recording the applications in more than one township would lead to duplication in actual numbers of applications and acreages covered by them. Thus, as previously discussed, only one township -- the first one listed -- was shown for each application, and, subsequently, the same approach was used for the other elements of the file.

Therefore, if only one township were being scrutinized, it is possible that some acreage within it is covered by an application, lease, or permit which is not reflected in the data. Interest in such a narrowly defined area is not expected to occur with any frequency, if ever, because the "cluster" effect of activity over a larger area is the typical concern, and it makes little difference whether the activity is shown in Township A or Township B.

However, if focus is put on one township, it is recommended that the records on the contiguous townships be retrieved and checked, by serial number, with the GS Format A-3, referenced above, to determine whether they include sections in the subject township. Back-up information on competitive leasing is found in GS Format A-1; for post-lease data in Format G-5; and pre-lease information may be checked with the files of the appropriate BLM District or Forest Office if precise locations are needed.

In many instances, even though study areas have been designated, the study has never been done. The most common reason for this is that after the designation, all applications filed for acreage in the area were withdrawn and there was no longer any need for a study. However, for purposes of using the study areas as locators of leasing/permitting patterns, it makes no difference whether a study was performed or not. On the other hand, the status of the environmental assessment is one of the most important pieces of information in site-specific studies and should be ascertained at the outset. Study status was not included in Table 3 because this situation is so fluid that the information would tend to be very unreliable -- e.g., a study indicated as complete in 1975 may be deemed out-of-date or otherwise inadequate to support current leasing and a new study would be required.

It is also suspected that some of the acreages given in Table 3 are unreliable. However, they represent the figures provided by the agencies involved, and, as noted in Section I, the data base can only be as reliable as the files from which it was taken.

In any event, retrieval of the data allocated to a study area is accomplished by calling up all records with the two-letter codes assigned to the area, as identified in Table 3. In some cases, study areas have been combined or expanded by the agencies and, in some cases, given new names, and the records for two or more two-letter code areas are required to provide all data for the larger area. For example, in Idaho, several smaller original study areas now fall within the newly-designated Soda Springs area. Their separate identities were retained in order to provide ready access to the smaller areas at the locations shown in Table 3. In turn, the table indicates the group of areas on which the data will be needed to total the activity in what is now the Soda Springs area.

The approximate land descriptions of the extremities of the study area are provided in Table 3 for the use of those who do not have access to the maps. It must be emphasized, however, that these north-south, east-west extremities will form squares or rectangles when drawn on a map, and very few study areas are this regular in shape. In fact, the norm is that they are very irregular, some even containing non-contiguous areas. Figure 2, which maps the Owens Lake study area in California, illustrates the point that the study area falls within the land description given in Table 3, but that the land description only provides the extremities and not the exact configuration of the study area.

LIMITATIONS OF THE DATA BASE

There are other, it is believed, minor, shortcomings in the data base which can be overcome without major trouble or expense in studies dealing with only one site. At that level, a telephone call, correspondence, or visit to a BLM or Forest Service office may clarify apparent inconsistencies, and provide valuable background information. It was not possible to focus that kind of individualized attention on each of several hundred thousand pieces of data.

For example, the data base does not address the practice of suspending acreage in non-competitive lease applications. This practice was not recommended for inclusion by BLM, FS, or GS advisors when the data base was initiated, and it is felt that their judgment was correct since suspension would be a very difficult element to deal with in such a large mass of data. Further, since the suspended acreage is ultimately rejected, withdrawn, or leased, the acreage is accounted for. However, in site-specific studies, suspension can be an important issue. In fact, if the suspension reflects a highly environmentally sensitive area, it would mean that development will not be allowed to occur.

In some cases, acreage is not formally suspended, but the applicants for non-competitive leases are advised in writing not to expect early action for a stated reason. Thus, it is recommended to those using the data for site-specific work who discern what appear to be long overdue applications that they determine whether the acreage is suspended, formally or informally, and, if so, the reason therefor.

FIGURE 2
ILLUSTRATION OF THE USE OF THE LAND DESCRIPTIONS OF STUDY AREAS
GIVEN IN TABLE 3

Another problem is that the land description of some non-competitive applications and leases place them in areas on the map which appear to be designated KGRA's. Since only competitive leases can be issued for such acreage and non-competitive applications involving land in KGRA's are usually rejected soon after they are filed, there is some anomaly in these instances. Clerical error in recording the land description could be one cause, and since many of the KGRA's are very irregular in shape, it is possible that the scale of the map does not permit sufficient detail to show the non-KGRA area.

SECTION III

ANALYSIS OF UPDATED NON-COMPETITIVE DATA BASE

Tables are presented in this section to quantify BLM and Forest Service performance in terms of leasing land under their jurisdiction for the purpose of geothermal development and to compare this current performance with past performance. As indicated in the tables, the comparison for some states is between current performance and efforts to June 1978. For others, the earlier record was updated to September/October 1979.

Performance is measured at each step in the process, shown in Table 1, and the total elapsed time from the date of application to final action on the application — lease issuance, or total rejection of the application by the agency, or withdrawal of the application by the applicant — is quantified. In addition, the percentage of applications involved at each step and in final actions is provided. Performance at each milestone is measured in two ways. The breakdown is between 1) the applications which have reached a particular step and have been processed through it, and 2) the applications which have reached that point in the process and are still pending there because the action on them has not been completed. The terminology used in the data tables to reflect these two situations is "In Process" and "Still Pending," respectively.

The summary data tables are drawn from computer tables on the performance of BLM and FS by state and by overall composite agency performance in the 11 states listed in Section I. In order to visualize the derivation of the summary tables, examples of the separate computer tables are shown in Tables 16 and 17. Table 16 is the composite BLM record in all 11 states; Table 17 represents the Forest Service performance in California. The significance of these records is discussed below.

TIME-LAPSE BETWEEN DATE OF APPLICATION AND FINAL ACTION

The first of the data tables, Table 18, shows the average time lapse between the date of application and final action on applications. Analysis of the first columns of this table indicates that applicants are waiting somewhat longer on the average to withdraw applications, a factor which may or may not reflect increased optimism that a lease will be forthcoming in a more reasonable timeframe. However, the table illustrates that, up to the point at which the data were updated, any such optimism would be unfounded since the average timeframe for lease issuance has increased from 76 to 83 weeks for BLM applications and from 110 to 174 for Forest Service applications. In other words, it takes, on the average, a year and a half to obtain a BLM lease and over three years to receive one on Forest Service land. In addition, the percent of applications on which BLM has approved leases has increased only from 30 percent to 34 percent, and the meager Forest Service rate moved only from two to three percent.

The rate of withdrawal is a significant factor and has remained relatively constant, with approximately a third of both BLM and FS applications

TABLE 16

COMPOSITE BLM NON-COMPETITIVE LEASING RECORD

PROCESS	MINIMUM	25 PCT	50 PCT	AVERAGE	75 PCT	MAXIMUM	NUMBER	PERCENT
TOTAL APPLICATIONS							4964	
APPLICATION TO SENDING TO D/F	1	2	12	32	46	338	1917	38.62
SENDING TO D/F TO RETURN TO STATE	1	5	18	52	75	364	944	19.02
RETURNED FROM D/F TO SENDING TO GS	1	4	9	17	18	193	487	9.85
SENDING TO GS TO RETURN TO STATE	1	2	3	9	6	292	1180	23.77
RETURNED FROM GS TO CLEARLIST	1	1	2	8	8	226	941	18.96
CLEARLIST TO ISSUANCE	1	2	3	4	5	106	1268	25.54
CLEARLIST TO REJECTION	117	117	117	155	117	194	2	.04
APPLICATION TO WITHDRAWAL	1	20	42	62	80	378	1738	35.01
APPLICATION TO ISSUANCE	4	35	66	83	114	384	1681	33.86
APPLICATION TO REJECTION	2	15	24	46	65	373	804	16.20
APPLICATION AND STILL PENDING	9	18	48	101	137	392	197	3.97
SENT TO D/F AND STILL PENDING	7	42	94	132	249	392	411	8.28
RETURNED FROM D/F AND STILL PENDING	7	24	54	95	87	363	47	.95
SENT TO GS AND STILL PENDING	7	8	8	26	9	331	24	.48
RETURNED FROM GS AND STILL PENDING	8	10	10	10	10	15	22	.44
CLEARLISTED AND STILL PENDING	7	18	22	78	61	336	16	.32

TABLE 17

FOREST SERVICE NON-COMPETITIVE LEASING RECORD IN CALIFORNIA

PROCESS	MINIMUM	25 PCT	50 PCT	AVERAGE	75 PCT	MAXIMUM	NUMBER	PERCENT
TOTAL APPLICATIONS							537	
APPLICATION TO SENDING TO D/F	6	26	40	72	138	246	264	49.16
SENDING TO D/F TO RETURN TO STATE	81	81	81	126	81	171	2	.37
CLEARLIST TO REJECTION	29	29	29	79	29	180	3	.56
APPLICATION TO WITHDRAWAL	2	21	48	51	71	221	233	43.39
APPLICATION TO REJECTION	12	21	26	49	51	257	49	9.12
APPLICATION AND STILL PENDING	162	162	174	178	174	218	8	1.49
SENT TO D/F AND STILL PENDING	9	87	94	121	175	251	146	27.19
CLEARLISTED AND STILL PENDING	312	329	331	338	352	374	101	18.81

TABLE 18

TIME LAPSE (IN WEEKS) FROM DATE OF APPLICATION TO WITHDRAWAL OR
REJECTION OF APPLICATION OR LEASE ISSUANCE

Agency	APPLICATION TO WITHDRAWAL				APPLICATION TO REJECTION				APPLICATION TO LEASE				Z OF TOTAL APPLICATIONS PENDING	
	Last Update		Current		Last Update		Current		Last Update		Current		Last Update	Current
	Av. # of Weeks	% of Total Appls.	Av. # of Weeks	% of Total Appls.	Av. # of Weeks	% of Total Appls.	Av. # of Weeks	% of Total Appls.	Av. # of Weeks	% of Total Appls.	Av. # of Weeks	% of Total Appls.		
<u>Composite</u>														
BLM	49	32	62	35	40	16	46	16	76	30	83	34	21	15
FS	68	33	88	34	35	9	71	8	110	2	174	3	55	54
<u>Arizona*</u>														
BLM	69	17	54	23	18	47	21	35	77	5	75	14	33	28
FS	12	7	49	7	27	10	25	9	79	1	74	1	81	82
<u>California*</u>														
BLM	53	39	89	43	39	23	50	21	111	2	179	4	38	32
FS	54	52	51	43	36	11	49	9	—	0	—	0	39	50
<u>Colorado*</u>														
BLM	56	57	38	55	37	5	54	5	96	22	106	27	10	6
FS	110	11	105	30	—	0	228	3	94	13	208	9	76	58
<u>Idaho</u>														
BLM	54	11	89	27	58	4	66	8	77	41	104	44	41	21
FS	114	26	101	30	48	< 1	68	< 1	107	< 1	107	< 1	72	68
<u>Montana*</u>														
BLM	118	24	121	36	14	50	13	49	134	18	134	15	9	0
FS	99	38	133	50	7	40	35	39	—	0	—	0	31	11
<u>Nevada</u>														
BLM	47	38	45	37	41	19	42	18	61	35	54	38	8	7
FS	—	0	39	33	—	0	—	0	92	56	127	18	44	49
<u>New Mexico</u>														
BLM	**	**	170**	12**	**	**	157**	8**	122	34	153	37	58	43
FS	9	21	4	18	—	0	373	18	28	3	24	3	76	62
<u>Oregon & Washington*</u>														
BLM	108	16	167	20	93	5	81	11	118	36	144	57	44	13
FS	68	30	114	29	45	9	77	7	128	2	213	4	60	59
<u>Utah</u>														
BLM	38	33	38	33	30	17	28	16	72	47	67	44	2	6
FS	73	40	102	60	34	3	13	15	97	6	84	13	41	19
<u>Wyoming*</u>														
BLM	14	92	18	90	—	0	6	7	—	0	6	1	8	0
FS	19	34	60	76	75	50	75	13	124	11	140	7	50	4

* Not updated since 6/78; other states updated 9-10/79.

** Available data on withdrawals and rejections are not consistent with records in other offices.

filed withdrawn. The significance is especially apparent in the BLM record. When it is viewed in the context that 35 percent of its applications have been withdrawn and 16 percent have been rejected, as shown in Table 18, many because of applicant error, the Agency's 34 percent issuance rate and 15 percent in the "still pending" category is a better record than is generally credited.

In addition, its overall composite record is reduced significantly by the lack of performance in California where a large number of applications has been filed, and only four percent has resulted in leases. It can be noted from Table 18 that the rate of withdrawal of BLM applications has been higher in California at 43 percent than the Agency's composite record, and that 21 percent of its applications have been rejected, also a higher figure than the composite average which has remained constant at 16 percent. Neither of these records is surprising. In the first instance, the rate of withdrawal would be influenced by impatience with the general lack of action by BLM in California, and the rejection rate would be increased by the high degree of citizen environmental consciousness in California. Nevertheless, a four percent issuance and 32 percent "still-pending" rate adversely influence BLM's overall composite record. The Forest Service has yet to issue a lease in California.

However, Table 18 indicates a continuing poor Forest Service record overall. As noted above, only three percent of its applications have resulted in leases, and Table 18 shows that 54 percent have not been acted upon even though 34 percent have been withdrawn, thus requiring no further action. In addition, the average timeframe for lease issuance has increased from about two years to over three years, and the time lapse for Forest Service decisions to reject applications is now twice as long although the rate of rejection remains about the same. A Forest Service geothermal program spokesman reported that efforts are underway to improve this record, but that, due to the nature of Forest Service lands, the many competing interests are making this very difficult.

Table 18 shows that most significant changes in the rate of lease issuance by state reflect some improvement, although slight in most instances, as would be expected because of the small changes in composite performance. BLM in Oregon/Washington shows the only notable increase, from 36 to 57 percent, and the greatest attendant drop in applications still pending, from 44 to 13 percent, for the best improvement record.

STEP-BY-STEP PERFORMANCE

The remaining tables illustrate step-by-step performance. For example, Table 19 shows the time lapse from the date of application to the date the BLM State Offices transmit the application to the appropriate District or Forest Service Office. This step is essentially only an administrative procedure, and, as has been discussed in previous reports, it is difficult to understand some of the long time lapses shown in this table. In some instances, the State Office may be aware that the acreage covered by the application is involved in a potential Federal/state land transfer or is subject to other legal restraint, but these would account for only a small portion of the delays seen in application transmittal. Manpower shortage may be a strong factor overall. The fact that less than

TABLE 19

TIME LAPSE (IN WEEKS) FROM RECEIPT OF APPLICATION IN BLM
STATE OFFICE TO SUBMITTAL TO BLM DISTRICT OFFICE OR TO
FOREST SERVICE
(See Step 2, Table 1)

<u>Agency</u>	<u>Last Update</u>				<u>Current</u>			
	<u>Av. # of Weeks</u>		<u>% of Total Appls.</u>		<u>Av. # of Weeks</u>		<u>% of Total Appls.</u>	
	<u>In Process</u>	<u>Still Pending</u>	<u>Acted Upon</u>	<u>Still Pending</u>	<u>In Process</u>	<u>Still Pending</u>	<u>Acted Upon</u>	<u>Still Pending</u>
<u>Composite</u>								
BLM	40	133	31	7	32	101	39	4
FS	26	175	73	4	23	135	75	5
<u>Arizona*</u>								
BLM	17	--	53	0	11	79	58	3
FS	13	--	82	0	24	--	84	0
<u>California*</u>								
BLM	87	86	38	6	64	185	41	4
FS	105	36	38	2	72	178	49	2
<u>Colorado*</u>								
BLM	11	227	35	4	12	163	23	3
FS	11	--	100	0	10	76	48	35
<u>Idaho*</u>								
BLM	34	132	73	14	34	176	74	4
FS	45	160	70	17	46	363	80	6
<u>Montana*</u>								
BLM	15	231	41	6	15	--	38	0
FS	14	--	62	0	13	--	63	0
<u>Nevada**</u>								
BLM								
FS								
<u>New Mexico</u>								
BLM	111	138	43	38	101	86	62	13
FS	145	--	79	0	133	--	82	0
<u>Oregon & Washington*</u>								
BLM	1	224	94	< 1	2	392	87	< 1
FS	1	--	98	0	1	52	94	4

TABLE 19 Continued

<u>Agency</u>	<u>Last Update</u>				<u>Current</u>			
	<u>Av. # of Weeks</u>		<u>% of Total Appls.</u>		<u>Av. # of Weeks</u>		<u>% of Total Appls.</u>	
	<u>In Process</u>	<u>Still Pending</u>	<u>Acted Upon</u>	<u>Still Pending</u>	<u>In Process</u>	<u>Still Pending</u>	<u>Acted Upon</u>	<u>Still Pending</u>
<u>Utah</u>								
BLM	32	180	39	32	26	120	46	2
FS	26	211	16	0	26	290	26	8
<u>Wyoming*</u>								
BLM	18	--	18	0	18	--	17	0
FS	6	--	98	0	6	--	69	0

* Not updated since 6/78; other states updated 9-10/79.

** Nevada data omitted because of procedural differences.

100 percent of the applications filed are transmitted reflects early withdrawals and rejections.

Table 20 indicates the average time lapse for BLM District Office/Forest Service consideration of applications. This consideration includes review of the potential environmental impact if a lease is issued, and is the key step in the process. The table shows that the average time lapse for Forest Service consideration has considerably worsened from about a year and a half to over three years even though it has completed its study of only slightly more applications -- 11 percent as opposed to seven percent. The average timeframe for overall BLM District Office performance also shows a backslide from nine to 12 months, with only a slight increase in the number of applications upon which study has been completed.

Over 82 percent of the Forest Service applications in Arizona are still pending at this step, and 61 percent in Idaho. Twenty-seven percent of both BLM and FS applications are still awaiting final environmental consideration in California which is a very large number in light of the fact, as shown in Table 18, 43 percent of their applications have been withdrawn.

Table 21 shows the time lapse between the date when the application arrives back at the BLM State Office and is transmitted to GS for stipulation review. This table, and Tables 22 and 23, showing the time lapse for the review and between the review and clearlisting, respectively, are included to show the data collected on these steps. It must be emphasized, however, that they are not necessarily accurately representative of the true picture at these points since, with increasing frequency, no written record is kept of the date of transmittal to GS or the return to the State Office, if indeed transmittal actually takes place. In one key geothermal state, a State Office official informed the contractor that his office does its own stipulation review.

Table 24 showing the time lapse between clearlisting and lease issuance is considered to be very accurate since this record is consistently available. The only bad record of any significance at this stage of the process is that of the Forest Service in California where 19 percent of the total applications are still pending after being clearlisted for an average period of over six years. This record accounts to the greatest extent for the composite Forest Service record since the number of FS applications pending at this point in the other states is very small.

Table 25 summarizes the composite BLM and FS step-by-step performance. The information presented in this table was drawn from the foregoing performance tables for ready reference.

The full BLM and Forest Service non-competitive leasing records are shown in histograms in Appendix D. These presentations visually illustrate step-by-step frequency distributions over various timeframes (expressed in weeks). One of the most interesting features shown is the history of some applications filed in January 1974, the first month of the geothermal leasing program when over 2,000 applications were filed in the 30-day period. BLM finally issued leases on five applications which had been pending for the full seven and one-half years, and the Forest Service three. The Forest

TABLE 20

TIME LAPSE (IN WEEKS) FOR CONSIDERATION BY BLM DISTRICT
OFFICE AND/OR FOREST SERVICE
(See Step 3, Table 1)

Agency	<u>Last Update</u>				<u>Current</u>			
	Av. # of Weeks		% of Total Appls.		Av. # of Weeks		% of Total Appls.	
	<u>In Process</u>	<u>Still Pending</u>	<u>Acted Upon</u>	<u>Still Pending</u>	<u>In Process</u>	<u>Still Pending</u>	<u>Acted Upon</u>	<u>Still Pending</u>
<u>Composite</u>								
BLM	38	194	16	11	52	132	19	8
FS	79	263	7	40	170	225	11	39
<u>Arizona*</u>								
BLM	49	95	7	33	79	202	23	18
FS	53	81	1	81	53	226	1	82
<u>California*</u>								
BLM	43	81	< 1	32	22	171	1	27
FS	81	56	< 1	12	126	121	< 1	27
<u>Colorado*</u>								
BLM	60	166	21	1	73	—	20	0
FS	92	210	32	50	193	370	17	9
<u>Idaho</u>								
BLM	36	143	41	23	56	142	43	13
FS	36	255	2	53	47	262	3	61
<u>Montana*</u>								
BLM	82	—	21	0	82	—	18	0
FS	—	212	0	4	—	373	0	5
<u>Nevada**</u>								
BLM								
FS								
<u>New Mexico</u>								
BLM	25	85	39	4	40	32	37	22
FS	16	144	47	29	87	182	56	23
<u>Oregon & Washington*</u>								
BLM	81	171	43	35	124	104	52	8
FS	127	181	7	54	226	243	16	47

TABLE 20 Continued

<u>Agency</u>	<u>Last Update</u>				<u>Current</u>			
	<u>Av. # of Weeks</u>		<u>% of Total Appls.</u>		<u>Av. # of Weeks</u>		<u>% of Total Appls.</u>	
	<u>In Process</u>	<u>Still Pending</u>	<u>Acted Upon</u>	<u>Still Pending</u>	<u>In Process</u>	<u>Still Pending</u>	<u>Acted Upon</u>	<u>Still Pending</u>
<u>Utah</u>								
BLM	20	0	39	0	17	57	45	< 1
FS	32	118	11	5	30	132	17	2
<u>Wyoming*</u>								
BLM	--	84	0	8	--	--	0	0
FS	58	135	23	50	58	375	20	4

* Not updated since 6/78; other states updated 9-10/79.

** Nevada data omitted because of procedural differences.

TABLE 21

TIME LAPSE (IN WEEKS) BETWEEN RETURN TO BLM STATE
OFFICE TO SUBMITTAL TO GS FOR STIPULATION REVIEW
(See Step 4, Table 1)

Agency	<u>Last Update</u>				<u>Current</u>				
	Av. # of Weeks	% of Total Appls.		In Process	Still Pending	Av. # of Weeks	% of Total Appls.		
	In Process	Still Pending	Acted Upon			Still Pending	In Process	Still Pending	Acted Upon
<u>Composite</u>									
BLM	20	161	8	1	17	95	10	< 1	
FS	20	157	2	4	13	157	5	3	
<u>Arizona*</u>									
BLM	7	—	5	0	11	73	12	8	
FS	9	—	1	0	9	—	1	0	
<u>California*</u>									
BLM	—	—	0	0	79	87	< 1	< 1	
FS	—	—	0	0	—	—	0	0	
<u>Colorado*</u>									
BLM	9	176	14	6	8	334	16	3	
FS	9	144	11	21	7	221	8	8	
<u>Idaho</u>									
BLM	13	152	31	3	13	198	30	2	
FS	18	174	< 1	2	18	277	< 1	< 1	
<u>Montana*</u>									
BLM	14	—	21	0	14	—	18	0	
FS	—	—	0	0	—	—	0	0	
<u>Nevada**</u>									
BLM									
FS									
<u>New Mexico</u>									
BLM	22	128	25	12	21	42	28	3	
FS	—	21	0	47	—	182	0	38	
<u>Oregon & Washington</u>									
BLM	26	83	29	2	17	79	43	< 1	
FS	22	34	2	3	12	114	9	2	

TABLE 21 Continued

<u>Agency</u>	<u>Last Update</u>				<u>Current</u>			
	<u>Av. # of Weeks</u>		<u>% of Total Appls.</u>		<u>Av. # of Weeks</u>		<u>% of Total Appls.</u>	
	<u>In Process</u>	<u>Still Pending</u>	<u>Acted Upon</u>	<u>Still Pending</u>	<u>In Process</u>	<u>Still Pending</u>	<u>Acted Upon</u>	<u>Still Pending</u>
<u>Utah</u>								
BLM	41	—	2	0	12	11	7	1
FS	1	57	1	8	7	217	2	10
<u>Wyoming</u>								
BLM	—	—	0	0	—	—	0	0
FS	41	—	11	0	41	—	7	0

* Not updated since 6/78; other states updated 9-10/79.

**Nevada data omitted because of procedural differences.

TABLE 22

TIME LAPSE (IN WEEKS) FOR GS STIPULATION REVIEW
(See Step 5, Table 1)

Agency	<u>Last Update</u>				<u>Current</u>			
	Av. # of Weeks	% of Total Appls.	In Process	Still Pending	Av. # of Weeks	% of Total Appls.	In Process	Still Pending
<u>Composite</u>								
BLM	10	59	23	<1	9	26	24	<1
FS	4	156	2	<1	5	8	5	<1
<u>Arizona*</u>								
BLM	2	--	5	0	6	--	12	0
FS	1	--	1	0	1	--	1	0
<u>California*</u>								
BLM	--	--	0	0	7	--	<1	0
FS	--	--	0	0	--	--	0	0
<u>Colorado*</u>								
BLM	3	--	13	0	4	108	14	<1
FS	4	8	0	5	3	--	8	0
<u>Idaho</u>								
BLM	3	158	32	<1	3	7	31	<1
FS	2	--	<1	0	2	--	<1	<0
<u>Montana*</u>								
BLM	4	--	21	0	4	--	18	0
FS	--	--	0	0	--	--	0	0
<u>Nevada**</u>								
BLM								
FS								
<u>New Mexico</u>								
BLM	9	152	37	1	10	25	37	<1
FS	--	--	0	0	--	--	0	0
<u>Oregon & Washington*</u>								
BLM	5	117	37	1	5	9	54	2
FS	5	--	2	0	5	8	10	<1

TABLE 22 Continued

<u>Agency</u>	<u>Last Update</u>				<u>Current</u>			
	<u>Av. # of Weeks</u>		<u>% of Total Appls.</u>		<u>Av. # of Weeks</u>		<u>% of Total Appls.</u>	
	<u>In Process</u>	<u>Still Pending</u>	<u>Acted Upon</u>	<u>Still Pending</u>	<u>In Process</u>	<u>Still Pending</u>	<u>Acted Upon</u>	<u>Still Pending</u>
<u>Utah</u>								
BLM	36	—	30	0	32	8	29	2
FS	2	—	1	0	7	—	4	0
<u>Wyoming*</u>								
BLM	—	—	0	0	—	—	0	0
FS	7	—	11	0	7	—	7	0

* Not updated since 6/78; other states updated 9-10/79.

** Nevada data omitted because of procedural differences.

TABLE 23

TIME LAPSE (IN WEEKS) BETWEEN STIPULATION REVIEW
AND CLEARLISTING
(See Step 6, Table 1)

<u>Agency</u>	<u>Last Update</u>				<u>Current</u>			
	<u>Av. # of Weeks</u>		<u>% of Total Appls.</u>		<u>Av. # of Weeks</u>		<u>% of Total Appls.</u>	
	<u>In Process</u>	<u>Still Pending</u>	<u>Acted Upon</u>	<u>Still Pending</u>	<u>In Process</u>	<u>Still Pending</u>	<u>Acted Upon</u>	<u>Still Pending</u>
<u>Composite</u>								
BLM	5	29	17	<1	8	10	19	<1
FS	9	276	1	<1	15	58	2	2
<u>Arizona*</u>								
BLM	1	—	3	0	10	—	10	0
FS	1	—	1	0	1	—	1	0
<u>California*</u>								
BLM	—	—	0	0	7	—	< 1	0
FS	—	—	0	0	—	—	0	0
<u>Colorado*</u>								
BLM	9	—	9	0	8	—	10	0
FS	1	—	11	0	14	167	6	2
<u>Idaho</u>								
BLM	4	180	32	<1	5	8	31	<1
FS	16	167	<1	<1	6	322	<1	<1
<u>Montana*</u>								
BLM	21	—	3	0	21	—	3	0
FS	—	180	0	2	—	—	0	0
<u>Nevada**</u>								
BLM								
FS								
<u>New Mexico</u>								
BLM	10	54	34	3	11	—	33	0
FS	—	—	0	0	—	—	0	0

TABLE 23 Continued

<u>Agency</u>	<u>Last Update</u>				<u>Current</u>			
	Av. # of <u>Weeks</u>		% of Total <u>Appls.</u>		Av. # of <u>Weeks</u>		% of Total <u>Appls.</u>	
	<u>In Process</u>	<u>Still Pending</u>	<u>Acted Upon</u>	<u>Still Pending</u>	<u>In Process</u>	<u>Still Pending</u>	<u>Acted Upon</u>	<u>Still Pending</u>
<u>Oregon & Washington*</u>								
BLM	13	20	31	5	18	14	48	1
FS	11	34	2	3	14	48	3	5
<u>Utah</u>								
BLM	3	90	28	< 1	4	9	24	2
FS	23	—	1	0	26	—	4	0
<u>Wyoming*</u>								
BLM	—	—	0	0	—	—	0	0
FS	15	—	11	0	15	—	7	0

* Not updated since 6/78; other states updated 9-10/79.

** Nevada data omitted because of procedural differences.

TABLE 24

TIME LAPSE (IN WEEKS) BETWEEN CLEARLISTING AND LEASE ISSUANCE/
REJECTION

(See Step 7, Table 1)

Agency	CLEARLIST TO LEASE ISSUANCE				CLEARLIST TO REJECTION				CLEARLISTED AND STILL PENDING			
	Last Update		Current		Last Update		Current		Last Update		Current	
	Av. # of Weeks	% of Total Appls.	Av. # of Weeks	% of Total Appls.	Av. # of Weeks	% of Total Appls.	Av. # of Weeks	% of Total Appls.	Av. # of Weeks	% of Total Appls.	Av. # of Weeks	% of Total Appls.
<u>Composite</u>												
BLM	4	20	4	26	117	<1	155	<1	203	<1	78	<1
FS	17	2	10	3	29	<1	117	<1	283	7	337	5
<u>Arizona*</u>												
BLM	1	3	1	13	--	0	--	0	--	0	--	0
FS	1	1	1	1	--	0	--	0	--	0	--	0
<u>California*</u>												
BLM	--	0	3	2	--	0	--	0	--	0	--	0
FS	--	0	--	0	29	<1	79	1	177	25	338	19
<u>Colorado*</u>												
BLM	2	13	4	20	--	0	--	0	--	0	--	0
FS	5	11	3	8	--	0	--	0	--	0	--	0
<u>Idaho</u>												
BLM	5	2	3	9	--	0	--	0	193	<1	196	<1
FS	--	0	--	0	--	0	--	0	--	0	--	0
<u>Montana*</u>												
BLM	--	0	--	0	117	3	117	3	180	3	--	0
FS	--	0	--	0	--	0	232	2	183	25	360	5
<u>Nevada</u>												
BLM	4	31	5	35	--	0	194	<1	145	<1	26	<1
FS	9	44	8	15	--	0	--	0	118	33	252	6
<u>New Mexico</u>												
BLM	1	7	3	12	--	0	--	0	--	0	7	<1
FS	--	0	--	0	--	0	--	0	--	0	--	0
<u>Oregon & Washington*</u>												
BLM	6	33	6	53	--	0	--	0	103	<1	198	<1
FS	34	2	16	3	--	0	--	0	174	2	335	1
<u>Utah</u>												
BLM	3	34	3	33	--	0	--	0	--	0	--	0
FS	1	3	2	8	--	0	--	0	--	0	--	0
<u>Wyoming*</u>												
BLM	--	0	--	0	--	0	--	0	--	0	--	0
FS	2	11	2	7	--	0	--	0	--	0	--	0

* Not updated since 6/78; other states updated 9-10/79.

TABLE 25

COMPOSITE SUMMARY OF STEP-BY-STEP PERFORMANCE IN NON-COMPETITIVE
GEOTHERMAL LEASING PROGRAM

Time Lapse	Last Update								Current							
	Av. # of Weeks		Still Pending		Acted Upon		Still Pending		Av. # of Weeks		Still Pending		Acted Upon		Still Pending	
	In Process		BLM	FS	BLM	FS	BLM	FS	In Process		BLM	FS	BLM	FS	BLM	FS
Between Steps 1 and 2	40	26	133	175	31	73	7	4	32	23	101	135	39	75	4	5
In Step 3	38	79	194	263	16	7	11	40	52	170	132	225	17	11	8	39
Between Steps 3 and 4	20	20	161	157	8	2	1	4	17	13	95	157	10	5	< 1	3
In Step 5	9	4	167	115	25	2	< 1	< 1	9	5	26	8	24	5	< 1	< 1
Between Steps 5 and 6	5	9	102	296	20	1	< 1	< 1	8	15	10	58	19	2	< 1	2
Between Steps 6 and 7																
Lease Issuance	4	17	203	283	20	2	< 1	8	4	10	78	337	26	3	< 1	5
Rejection	117	29			1	1			155	117			< 1	< 1		

Service took that long to reject eight applications, and 25 applicants -- 14 BLM and 11 Forest Service -- are still awaiting action on their applications seven and a half years after they filed them. About the same number gave up at that point and withdrew their applications.

From the data shown in the histograms, it can be concluded that the BLM District Offices have cleared up their January 1974 backlog and that the Forest Service is close to doing so. This result has, of course, been greatly assisted by the large number of withdrawals.

SUMMARY

It can be concluded from the above discussion that little progress has been made in the percentage of non-competitive leases issued by either BLM or the Forest Service, and the average time required to obtain them has lengthened. Thus, no "streamlining" of the non-competitive process is discernible at this time. It is to be remembered, however, that the January 1979 recommendations of the Interagency Geothermal Streamlining Task Force to the Interagency Geothermal Coordinating Council which are most likely to result in improved performance can only be implemented through amendments to the Geothermal Steam Act and Congress has not yet enacted such amendments.

SECTION IV

AREA- AND SITE-SPECIFIC PROFILES

Area- and site-specific information will be required in order to determine the potential for geothermal development in any given area, and examination of localized leasing/permitting patterns can provide key pieces of this information. Thus, evaluation of the relative priority for development should include consideration of whether the leasing/permitting patterns indicate such factors as whether:

- the area is so environmentally sensitive that it should be written off entirely
- there are "islands" in the area that could be developed without undue harm to other acreage
- potentially serious developers have been disappointed in the results of exploration
- cognizant leasing officials are personally opposed to development and have the authority to retard it
- apparent interest indicated in an area by the number of non-competitive applications filed is actually only speculation by individuals who have no serious interest in development
- a low level of interest in competitive leases in KGRA's designated in whole or in part because of geologic indicia of a commercial resource indicates that the lands of most interest to potential developers are not being offered (see appendices in January 1979 report referenced in Section I for identification of KGRA's by type).

Information that will serve as a starting point in such consideration has been developed on 195 areas, as noted in Section I. This information is formatted in a computer profile on each area which summarizes the full data base on the area. It is to be emphasized, however, that use of the profiles for preliminary scrutiny is not intended to replace use of the full data base and follow-up as needed with additional information in site-specific studies.

The profiles are presented in Appendix E in order to avoid breaking the text of this report, but it is to be noted that these printouts are an integral part of the report. Those conversant with the geothermal leasing/permitting programs will be able to interpret the information in the context of the use to which it is to be put. However, it may be useful to examine a sampling of the profiles here with special emphasis on the types of information which are not an end in themselves, but which suggest further inquiry in site-specific studies.

The profiles identify the major non-competitive applicants and lessees and competitive lessees and other bidders, and use of the identifying codes

described in Section II will not be necessary. However, use of the raw data on the computer tape itself will necessitate use of the GS non-competitive applicant list in the first instance and the two-letter code shown in Table 8 in the latter.

The reasons for rejection are presented in the number code shown in Table 4. If the number of reasons listed is less than the number of rejections, it means that reasons were not given for some of these actions. If the number of reasons is greater, it means that more than one reason was given for one or more rejections.

BRISTOL, CALIFORNIA

The profile on this area shows that 30 of 31 non-competitive lease applications, accounting for 96 percent of the acreage applied for, have been withdrawn, and that three pre-lease exploratory permits have been issued. A check with the full data base shows that Phillips Petroleum Co. accounts for 25 of the withdrawals and was also the recipient of two of the three NOI permits. Thus, in a site-specific investigation of this area, it would be useful to learn, if possible, whether Phillips withdrew such a large number of applications because exploration indicated little or no potential for any commercial use of the resource, whether its interest was solely in a resource capable of power production and that exploration was negative in this context, or whether the withdrawals occurred for reasons unrelated to knowledge about the resource. For example, the data files show that the Phillips applications had remained dormant for over four years, and impatience with the system or a suggestion from BLM that leases would not be issued might have motivated the withdrawals.

LASSEN, CALIFORNIA

In this particular case, it is known that an environmental study has not been conducted on the area and that "it will be one of the last to be studied," according to a BLM State Office spokesman, because of the environmental sensitivity of the area. Yet, 54 non-competitive lease applications filed by some of the most active and knowledgeable entities in the geothermal field — Union Oil Co., Earth Power Corp., Thermal Exploration Corp., Atlantic Richfield Corp., and the Hunt family — have not been withdrawn after months and years of dormancy. This is possibly an indication that there is some hope that portions of the area can eventually be leased.

RANDESBURG, CALIFORNIA

The high number of pre-lease NOI's and the identity of the non-competitive lessees — Getty Oil Co. and Mono Power Co. — and other applicants — Union, Phillips, and Hunts — indicates a strong initial interest in this area. However, the four leases issued — a very high number for California — were all relinquished by Getty/Mono although they had waited up to four and a half years to obtain them. While their reasons for doing so are proprietary, this action should be considered as an indication that more information is needed on the viability of the resource in this area before giving it a high priority for development.

SHASTA, CALIFORNIA

Again, the stature of a number of corporate non-competitive lease applicants and the high number of applications filed indicate a strong interest in the resource in this area, and while there has been a large number of withdrawals, over half of the applications remain pending. The data file shows that California Geothermal, Inc. accounts for 37 of the 39 total withdrawals, and nearly all of these were filed in January 1974 and withdrawn only about six months later. While no motivation can be ascribed to this action here, the fact remains that this company has not withdrawn all of its applications in this area and that the other corporate entities retain their interest after a considerable period of waiting for action on their applications. Since BLM has not yet rejected any of them for environmental reasons, although a study was conducted of the area, the reason for the delay should be determined. If official resistance to leasing were found responsible, the probability of overcoming it and available methods for doing so could be explored.

SURPRISE-WARNER VALLEY, CALIFORNIA

This is an area where several applications were rejected for environmental reasons, but others resulted in leases, and a competitive lease sale was held resulting in five leases, again a high degree of performance for California. Yet, Getty and Southern Union Production Co. have relinquished all of their competitive leases and that of Dow has been terminated. Also, Supron Energy Corp. has relinquished its non-competitive leases and those of Mobil Oil Corp. have been terminated. (Frequently, termination is tantamount to relinquishment because the lessee is no longer interested in the acreage, but elects to fail to take some required action which leads BLM to terminate the lease rather than filing a formal relinquishment. This could be such an instance.)

Thus, only one valid lease remains in the area. Although there is pre-lease exploration indicated in the area, no post-lease activity was permitted. Thus, the apparent loss of interest of these companies may only reflect problems with acreage limitation -- i.e., their interest was stronger in other areas and they had to make a choice on acreage held -- rather than total disinterest in this area. While their motivation is entirely their own concern, in many instances, companies are willing to divulge their reasons.

ARAPAHO/CRAIG, COLORADO

The profile on this small area -- only two townships -- is important in that it clearly demonstrates the effects of two practices on the statistics of the non-competitive leasing program -- i.e., speculation and the use of non-competitive applications for tax benefits. Over 50 applications were filed for acreage in these townships by the same individuals. A large percentage of them appear to fall in the tax advantage category, being filed in December and withdrawn in January of the next year. The filing fee and year's rental can be deducted in the tax return for the year of application, and the refund of these funds not reported until the following year, if they are reported by all applicants.

In this instance, however, another large group of applications was filed in January and withdrawn 13 days later. No motivation for this action can be suggested. In any event, the large number of applications filed is meaningless in terms of real interest in the geothermal resource of the area.

The complete profile on this small area is divided among three printouts because of the manner in which the groups of applications filed at various times were assigned to study areas of different nomenclature. This is reflected in Table 3.

MOUNT PRINCETON, COLORADO

The problem of study area title is also evident in the Mount Princeton area, also in Colorado, although the overlap between the boundaries provided for this area and the Canon City/San Isabel N.F. study area can be seen in Table 3. Examination of the Mount Princeton printout only would indicate that only one application has been filed for acreage in this area. Those familiar with the long-standing dispute over issuance of leases on applications in this area would recognize error at once. However, the others are reported on the Canon City/San Isabel printout, which, while somewhat confusing, does indicate the involvement of both BLM and the Forest Service, which is an important consideration in this instance. The Forest Service filed an environmental study with BLM on Mount Princeton in mid-1980 which recommended issuing the leases, but with very severe stipulations, including no surface occupancy in some cases. The reason the leases have not yet been issued appears to be in serious dispute among BLM, FS, and GS.

While this is a more familiar situation, it demonstrates that while these profiles are very useful as a starting point in site-specific investigation, the full data base is needed on the townships in the particular area of interest.

BRUNEAU-GRAND VIEW-MOUNTAIN HOME, IDAHO

While many in the geothermal community are familiar with the high degree of activity and the prospects for use of the resource in this area, it is discussed here to further illustrate the types of factors which may emerge from the area profile summaries.

A large majority of the major companies in the geothermal field have expressed interest in geothermal development, both through the filing of 156 non-competitive lease applications, which have resulted in 105 leases for a total of 232,234 acres, and submitting bids on 14 competitive parcels offered for lease in three KGRA's which produced competitive leases totaling 28,599 acres. Few applications have been rejected, and none for environmental reasons, and less than the normal percentage has been withdrawn. In addition, 23 Federal pre-lease and 32 post-lease exploration permits have been issued, and the State of Idaho has issued 155 leases, for 65,616 acres, and seven drilling permits in the area.

There are two negative aspects, however. First, the apparent high degree of interest has not resulted in positive action toward development in that GS data indicate that no applications have been received for permits to drill test, production, or reinjection wells. (As noted in Section II,

however, the GS post-lease data file used in this report is about a year out-of-date, and investigation of this or any other area should include the acquisition of more recent information on drilling permits which might indicate a serious move toward development.)

The other negative factor is that about half of both the competitive and non-competitive applications have been relinquished or terminated. In light of the high degree of exploration permitted, this would tend to indicate reduced confidence in the resource. However, it could be that those who have abandoned their interests in the area were only interested in the viability of the resource for power production, and that it could support other uses successfully. No attempt has been made to determine whether this is the case, and the purpose of this discussion, as noted above, is only to illustrate the types of issues which the profiles may raise which will require resolution from outside, direct sources of information.

MARYSVILLE, MONTANA

This area classically demonstrates the effect of Section 3200.0-5(k)(3) of the BLM geothermal regulations requiring the designation as KGRA the entire area covered by an application for a geothermal lease if at least one-half of the lands covered by that application are also covered by another application filed during the same 30-day filing period. Of 23 applications filed in January 1974 by Thermex Co., Amax Exploration Co., American Oil Shale Corp., Gulf, and Union, 19 had to be rejected because of this kind of competitive overlap, creating the Marysville KGRA. Yet when these lands were offered for competitive lease, none of those whose applications created the KGRA bid on the tracts offered. This phenomenon has been observed in previous studies.

ELKO, NEVADA

The Elko study area, at nearly 11 million acres, provides a good example of the reduced utility of using such large areas as the basis for data retrieval. While the computer profile shows a relatively high level of activity, it is to be remembered that is spread over a large part of the State of Nevada, and the map shows that it is confined to several small areas, with large expanses of no activity in between. As expected, the greatest non-competitive action clusters around three KGRA's -- Elko, Hot Springs Point, and Ruby Valley -- which are totally within the Elko area and Beowawe, which is partially within Elko and partially within Shoshone. (The competitive data are itemized on the latter printout.) A much lesser concentration of non-competitive applications, and a few leases, center in and around two PGRA's to the north of the KGRA's at T. 41-42N, R. 51-52E and T. 38-39N, R. 59-63E. The remaining applications are for very scattered acreage with no significant pattern. Thus, retrieving the whole of the Elko file would tend to generate the need for manual selection of data on the townships of interest, which retrieval by township would obviate.

FORT CHURCHILL - CLAN ALPINE, NEVADA

This large study area, shown by Table 3 to be in excess of three million acres, embraces four KGRA's. These are Brady Hazen, Dixie Valley, Salt Wells, and Stillwater-Soda Lake. Brady-Hazen data are not included

here, however, since the KGRA was designated as a separate study area, the smallest one in Nevada and apparently the only one designated for the sole purpose of assessing the impact of geothermal development. Its record is shown in a separate printout, which can be added to the Fort Churchill-Clan Alpine record if desired.

The phenomenon in leasing patterns discussed above under Marysville, Montana, is also evident in the Salt Wells KGRA -- i.e., while it was created by competitive overlap in non-competitive applications, no bidders wanted the tracts when offered for competitive lease. Less than half of the tracts offered in Stillwater-Soda Lake, established as a KGRA by GS because of geologic indicia, received bids, and four of the six issued have been terminated/relinquished. Interest was greater in competitive leasing in Dixie Valley, which contains acreage designated KGRA on the basis of both geologic indicia and competitive overlap, and the rate of retention of these leases is close to 100 percent.

The profile shows that a very high number of APD permits to drill have been issued for the Fort Churchill-Clan Alpine area. A check of the data shows that 15 of these permits have been for test wells, three for observation wells, and one for a deep temperature gradient hole. Thus, in spite of a large number of withdrawals and rejections, of applications -- many of the latter, as might be expected, because the acreage applied for was KGRA acreage -- and termination/relinquishment of non-competitive leases, there are 157 leases for over 300,000 acres that still remain valid. Thus, when all of this information is considered as a package, it can be concluded that the interest of a number of serious developers is still high.

TONOPAH, NEVADA

Although this area embraces two KGRA's, Darrough and Warm Springs, and both contain acreage considered by GS to exhibit geologic indications of a useable resource, an early interest in non-competitive leasing has not been sustained. In spite of the fact that leases have been issued, on the average, in about one year, a good record in the beginning of the program, and a low number of rejections and none for environmental reasons, 147 of 186 applications filed, or 79 percent, have been withdrawn. With six terminations/relinquishments, only 11 non-competitive leases, covering only 23,149 acres, remain valid. While all tracts offered in the KGRA's -- only a total of four -- have been leased, there has been only limited post-lease exploratory activity and no permits for wells that would indicate serious effort toward development.

JEMEZ, NEW MEXICO

The Baca Location No. 1 KGRA occupies about a third of this study area -- 169,000 out of approximately 500,000 -- but, contrary to patterns elsewhere, it has not attracted perimeter non-competitive activity. Only nine applications have been filed over the years; three have been rejected, and no non-competitive leases have been issued. On the other hand, 15 competitive tracts out of 17 offered have drawn bids, and all of these leases are still valid covering nearly 26,000 acres. This is one of the few areas where both occur that competitive activity completely outweighs non-competitive, and this pattern would have to be examined in the light of

what it is known about the geology of the region and other factors before it can be adequately interpreted.

RADIUM SPRINGS, NEW MEXICO

The major feature of this area is that the data show that there are instances of all types of geothermal activity -- Federal and state. There are Federal leases of both types, pre- and post-lease exploration permits, at least one APD drilling permit, and state leases and drilling permits. In addition, the lessees include several of the most active companies in the geothermal community. No rejections have occurred due to environmental reasons, and the level of application rejection and withdrawal has been low. The only negative factor to be observed from the profile is a few terminated/relinquished leases, and these are only important if they are related to the findings of post-lease exploration by potentially serious developers. Thus, because some individuals are indicated to have held competitive leases, a relative rarity as discussed in Section II, the first step in further evaluation of this profile would be to consult the full data files to determine who conducted post-lease exploration and drilling and whose leases were terminated/relinquished so as to determine the significance of this factor.

SOCORRO PEAK, NEW MEXICO

This is an area where investigation as to why some non-competitive lease applications have been left dormant for so long when some leases have been issued -- both competitive and non-competitive -- and no environmental sensitivity is indicated. A large number of New Mexico state leases and drilling permits have been issued for the area, as well as multiple Federal pre- and post-lease exploratory permits, yet 70 percent of the non-competitive applications, taking into account withdrawals, have not seen final action.

BELKNAP-FOLEY, OREGON

The profile on this area is indicative of the Forest Service record on non-competitive leasing in Oregon, shown in Table 18, at four percent. The partial rejections and one total rejection shown represent BLM action since they all occurred because of purely procedural problems with applications. Thus, the Forest Service has taken no action at all on the 46 pending applications. This is particularly interesting since the Forest Service undertook a pilot program in the Pacific Northwest aimed at getting leases issued without undue delay with extensive environmental review undertaken only if some type of development were envisioned. This effort is discussed in both the January 1979 and December 1980 reports referenced in Section I. Thus, before further consideration is given to development in this area, and others in Oregon, the future objectives of the Forest Service should be ascertained from the Portland Regional Office and the geothermal program in the Arlington, Virginia, headquarters office.

MT. HOOD, OREGON

The Forest Service performance in this area has been appreciably better, and it has issued leases on about 30 percent of the non-competitive

applications, taking into account withdrawals. The lessees are substantial corporations which have obtained four APD permits to drill. Nine Oregon state drilling permits have also been issued for the area.

VALE, OREGON

The record for this area illustrates the sharp contrast between the overall BLM record in Oregon with that of the Forest Service, since BLM has issued leases on 84 percent of its non-competitive applications in this study area, excluding withdrawals. It also points up the especial importance of equal availability of leases across the spectrum of lands suitable for leasing, no matter which agency is the land owner. Since this form of energy must be utilized at or very close to the point of its origin, availability of leases where there is no particular need or suitable use of the resource is not helpful, and is counterbalanced by the unavailability of leases where the resource could be usefully employed. These statements do not necessarily apply to the situation in Vale vs. that in certain Forest Service lands in Oregon. Such a situation is only suggested by the large number of leases, and no recorded deep-hole drilling.

STUDY AREAS IN SOUTHERN UTAH

There are eight KGRA's in southwestern Utah, and a number of environmental studies have been conducted in this area as indicated by Table 3. The KGRA's are located very close to each other geographically, and the study areas embracing them, as well as non-competitive acreage, abut each other, and, in some cases, overlap. Much of this area is designated as PGRA, and all types of geothermal activities are represented in the data base including a great many Utah state leases.

The map of this area is, therefore, very difficult to read although it conveys a strong visual impact of the level of activity. It has also been difficult to "sort out" study areas and their locations due to changes in personnel and differences in usage of terminology. Thus, it is recommended that if data on any portion of this area are needed, they be retrieved by the particular townships of interest, and, for the reasons discussed in Section II, on the townships contiguous to those of interest.

SECTION V

AVAILABILITY OF MAPS AND COMPUTER TAPE

As noted in Section I, maps of the states listed there, prepared under an earlier DOE/DGE contract, were updated as a part of the project which is the subject of this report. These maps, utilizing USGS 1:500,000 topographic maps as the base, present, through a series of overlays, a summary of all of the elements of the data base discussed in Section II. The reader is referred to Section IV of the December 1980 report referenced in Section I for detailed descriptions of the maps and the methodology utilized in preparing them.

In addition to the elements of the leasing/permitting programs, a separate overlay depicts the Forest Service RARE II wilderness areas and administratively endorsed wilderness areas. This overlay was prepared at the request of the Forest Service in order to illustrate potential conflict, or lack of it, between such areas and geothermal development since no development will be permitted in designated wilderness areas after January 1, 1984. It is to be emphasized that when the potential effects of such areas are evaluated, it should be kept in mind that this feature of the maps refers only to Forest Service wilderness, and not to BLM lands designated as wilderness. For a full appraisal of the wilderness factors on development in a given area, BLM maps of its wilderness and proposed wilderness should be consulted.

The computer tape that contains the full data base described in Section II has been delivered to EG&G Idaho, the prime contractor for this project. The tape has been created with the following characteristics: 9-track, 1600 bpi, odd parity, unlabeled and unblocked (i.e., one record to a block). The data are written in EBCDIC character code. Seven data files, each separated by a tapemark, are contained on the tape. The order of the tape files and their respective number of records are listed below:

<u>Data File</u>	<u>Number of Records</u>
Non-competitive data	7,283
Competitive data	485
State leasing data	1,454
State drilling permit data	441
Pre-lease NOI data	574
Post-lease NOI data	1,168
APD data	124

Information on where the maps may be inspected and on the procedure for utilizing the tape may be obtained from Mr. William H. Toth, EG&G Project Manager. He can be reached at:

P.O. Box 1625 WCB
Building E-3
Idaho Falls, Idaho 83415
208/526-1801

APPENDICES

APPENDIX A

WINNEMUCCA, NEVADA, STUDY AREA

SERIAL	AG/				FROM		FROM		APPLN	LEASE	APPLN	REA-	ACRES	LAND	APPLICANT	LAST	
ST	NO	SA	ACRE	APPLN TO D/F	D/F	TO GS	GS	CLRLST	WITHDRWN	ISSUED	REJECTD	SON	REJ	WDN	DESCRIP	NAME	UPDT
NV	8180	BWI	2560	13174	0	0	0	0	61476	0	0	0	0	0	29N 36E	CHEVRONSF	979
NV	8189	BWI	640	13174	0	0	0	0	42676	0	0	0	0	0	29N 37E	CHEVRONSF	979
NV	8192	BWI	2430	13174	0	0	0	0	0	0	51374	0	0	0	29N 23E	CHEVROUSA	979
NV	8193	BWI	2480	13174	0	0	0	0	61476	0	0	0	0	0	29N 36E	CHEVRONSF	979
NV	8195	BWI	2560	13174	0	0	0	0	52876	0	0	0	0	0	29N 36E	CHEVRONSF	979
NV	8198	BWI	1840	13174	0	0	0	0	61476	0	0	0	0	0	29N 36E	CHEVRONSF	979
NV	8199	BWI	2560	13174	0	0	0	0	22476*	0	51876	0	0	0	25N 38E	CHEVRONSF	979
NV	8200	BWI	2480	13174	0	0	0	0	0	0	121075	0	0	0	25N 38E	CHEVRONSF	979
NV	8204	BWI	2553	13174	0	0	0	0	52876	0	0	0	0	0	29N 36E	CHEVRONSF	979
NV	8211	BWI	2560	13174	0	0	0	0	0	0	121075	0	0	0	25N 38E	CHEVRONSF	979
NV	8213	BWI	2560	13174	0	0	0	0	30476	0	0	0	0	0	26N 38E	CHEVRONSF	979
NV	8217	BWI	2560	13174	0	0	22675	32276	32676	0	62376T	60574*	9	0	46N 35E	HAGEREH	781
NV	8232	BWI	2560	13174	0	0	0	0	0	0	52874	0	0	0	21N 26E	CHEVRONSF	979
NV	8233	BWI	1280	13174	0	0	0	0	0	0	52874	0	0	0	20N 26E	CHEVRONSF	979
NV	8235	BWI	2560	13174	0	0	0	0	0	0	121075	0	0	0	25N 38E	CHEVRONSF	979
NV	8238	BWI	2522	13174	0	0	0	0	22676	0	0	0	0	0	25N 38E	CHEVRONSF	979
NV	8239	BWI	800	13174	0	0	0	0	0	0	42374	0	0	0	32N 33E	EHINVESTI	979
NV	8243	BWI	1920	13174	0	0	0	0	0	0	91674	0	0	0	36N 26E	CALVERTGR	979
NV	8244	BWI	2560	13174	0	0	0	0	0	0	82274	0	0	0	34N 26E	CALVERTGR	979
NV	8291	BWI	2568	13174	0	0	31176	42676	42277	71274*	51776T	60474*	2	0	46N 28E	JENKINSPT	781
NV	8298	BWI	1280	13174	0	0	0	0	0	91974	0	0	0	0	25N 39E	NATOMASC	979
NV	8300	BWI	1280	13174	0	0	0	0	0	50274	0	0	0	0	26N 38E	NATOMASC	979
NV	8313	BWI	1280	13174	0	0	0	0	0	22676	0	0	0	0	29N 36E	CHEVRONSF	979
NV	8314	BWI	2560	13174	0	0	80575	81575	0	110177	0	52874*	0	0	21N 25E	CHEVRONSF	979
NV	8315	BWI	1361	13174	0	0	0	0	0	0	52874	0	0	0	20N 26E	CHEVRONSF	979
NV	8316	BWI	2290	13174	0	0	0	0	0	0	52874	0	0	0	21N 26E	CHEVRONSF	979
NV	8319	BWI	2560	13174	0	0	0	0	0	22676	0	0	0	0	25N 38E	CHEVRONSF	979
NV	8327	BWI	2281	13174	0	0	0	0	0	61074	0	42374*	0	0	31N 33E	UNIONOIOC	979
NV	8328	BWI	839	13174	0	0	0	0	0	12275	0	52374*	0	0	31N 33E	UNIONOIOC	979
NV	8338	BWI	2530	13174	0	0	0	0	0	0	52174	0	0	0	20N 26E	UNIONOIOC	979
NV	8339	BWI	2502	13174	0	0	0	0	0	0	52874	0	0	0	20N 25E	UNIONOIOC	979
NV	8341	BWI	2525	13174	0	0	0	0	0	70975*	0	61676	0	0	25N 37E	CHEVRONSF	979
NV	8343	BWI	1280	13174	0	0	0	0	0	0	53174	0	0	0	22N 26E	CHEVRONSF	979
NV	8350	BWI	2120	13174	0	0	82975	91976	102875	70375*	111075	0	0	0	32N 49E	COLEYRD	781
NV	8353	BWI	2560	13174	0	0	40276	42076	42376	0	62376T	0	0	0	46N 35E	GILBERTJE	781
NV	8364	BWI	2240	13174	0	0	40276	42076	42376	0	62376T	0	0	0	46N 35E	GILBERTPF	781
NV	8365	BWI	2589	13174	0	0	0	0	0	32276	0	0	0	0	26N 37E	SUMATRAOC	979
NV	8366	BWI	2560	13174	0	0	32276	42076	42676	31676*	51776R	0	0	0	26N 37E	SUMATRAOC	781
NV	8367	BWI	2546	13174	0	0	0	0	0	22576	0	0	0	0	26N 38E	SUMATRAOC	979
NV	8368	BWI	2553	13174	0	0	0	0	0	22576	0	0	0	0	26N 38E	SUMATRAOC	979
NV	8369	BWI	2480	13174	0	0	0	0	0	0	121075	0	0	0	26N 38E	SUMATRAOC	979
NV	8370	BWI	2478	13174	0	0	60876	70676	0	22076*	71676	0	0	0	26N 38E	SOUTHCHAM	979
NV	8371	BWI	2559	13174	0	0	31176	42676	42276	0	51476R	0	0	0	26N 37E	SUMATRAOC	781

APPENDIX A Continued

NV	8372	BWI	2560	13174	0	0	31176	42676	42276	0	51476R	0	0	0	0	0	26N	37E	SUHATRAOC	781
NV	8384	BWI	1184	13174	0	0	30575	31274	32175	0	62775R	51374*	2	0	544	0	29N	23E	PHILLIPPC	781
NV	8385	BWI	2200	13174	0	0	32675	40375	41575	0	62775R	0	0	0	0	0	29N	23E	PHILLIPPC	781
NV	8386	BWI	2348	13174	0	0	0	0	0	0	0	51374	0	0	0	0	29N	23E	PHILLIPPC	979
NV	8387	BWI	2339	13174	0	0	0	0	0	0	0	51374	0	0	0	0	29N	23E	PHILLIPPC	979
NV	8398	BWI	1268	13174	0	0	0	0	0	0	0	60574	0	0	0	0	21N	26E	CHEVRONSF	979
NV	8400	BWI	1012	13174	0	0	0	0	0	22676	0	0	0	0	0	0	38N	40E	CHEVRONSF	979
NV	8401	BWI	1920	13174	0	0	0	0	0	22676	0	0	0	0	0	0	37N	39E	CHEVRONSF	979
NV	8402	BWI	2380	13174	0	0	0	0	0	22676	0	0	0	0	0	0	37N	40E	CHEVRONSF	979
NV	8403	BWI	640	13174	0	0	0	0	0	0	0	71874	0	0	0	0	32N	38E	CHEVRONSF	979
NV	8404	BWI	2560	13174	0	0	0	0	0	0	0	71874	0	0	0	0	32N	38E	CHEVRONSF	979
NV	8405	BWI	2555	13174	0	0	0	0	0	70176	0	0	0	0	0	0	31N	38E	CHEVRONSF	979
NV	8423	BWI	1280	13174	0	0	0	0	0	0	0	71874	0	0	0	0	32N	39E	MAGNAPOPC	979
NV	8424	BWI	1080	13174	0	0	0	0	0	0	0	101074	0	0	0	0	34N	40E	MAGNAPOPC	979
NV	8425	BWI	1280	13174	0	0	0	0	0	122674	0	101074*	0	0	640	0	33N	40E	MAGNAPOPC	979
NV	8430	BWI	2560	13174	0	0	0	0	0	80574	0	71874	0	0	0	0	32N	38E	MAGNAPOPC	979
NV	8435	BWI	2337	13174	0	0	0	0	0	0	0	53174	0	0	0	0	46N	28E	MOBILOIOL	979
NV	8437	BWI	1825	13174	0	0	0	0	0	0	0	72974	0	0	0	0	21N	28E	MOBILOIOL	979
NV	8438	BWI	1280	13174	0	0	0	0	0	0	0	53174	0	0	0	0	21N	26E	MOBILOIOL	979
NV	8443	BWI	2560	13174	0	0	0	0	0	0	0	53174	0	0	0	0	46N	28E	MOBILOIOL	979
NV	8444	BWI	2490	13174	0	0	0	0	0	120175	0	82874*	0	0	0	0	46N	36E	MOBILOIOL	979
NV	8445	BWI	2493	13174	0	0	0	0	0	120175	0	0	0	0	0	0	47N	35E	MOBILOIOL	979
NV	8446	BWI	2467	13174	0	0	0	0	0	120175	0	0	0	0	0	0	47N	35E	MOBILOIOL	979
NV	8454	BWI	2562	13174	0	0	0	0	0	120175	0	0	0	0	0	0	25N	39E	MOBILOIOL	979
NV	8455	BWI	2560	13174	0	0	0	0	0	120175	0	0	0	0	0	0	25N	38E	MOBILOIOL	979
NV	8466	BWI	2520	13174	0	0	0	0	0	120175	0	0	0	0	0	0	25N	38E	MOBILOIOL	979
NV	8484	BWI	2533	13174	0	0	43076	50376	32676	0	52576T	101774*	5	0	0	0	25N	38E	WHEELERRL	781
NV	8485	BWI	2439	13174	0	0	31176	42676	30376	0	51776R	12376*	5	0	1179	0	25N	38E	BENNERSFH	781
NV	8486	BWI	2560	13174	0	0	31176	42676	42276	0	51776	0	0	0	0	0	25N	37E	CHAMPBENN	979
NV	8487	BWI	2560	13174	0	0	22676	32276	32676	0	40276	123075*	5	0	640	0	25N	37E	KNOWLESJW	979
NV	8490	BWI	2560	13174	0	0	31176	42676	42276	0	51776	0	0	0	0	0	25N	37E	CHAMPBENN	979
NV	8499	BWI	2440	13174	0	0	22676	32276	32676	0	62376T	61874*	0	0	44	0	46N	35E	HAGERYA	781
NV	8506	BWI	2442	13174	0	0	0	0	0	70378	0	0	0	0	0	0	46N	36E	EARNSHARA	979
NV	8511	BWI	2417	13174	0	0	0	0	0	61274	0	60474	0	0	0	0	46N	28E	WESTWE	979
NV	8513	BWI	1908	13174	0	0	0	0	0	0	0	62374	0	0	0	0	21N	26E	WESTWE	979
NV	8514	BWI	1391	13174	0	0	0	0	0	61274	0	53174	0	0	0	0	20N	25E	WESTWE	979
NV	8515	BWI	2556	13174	0	0	31176	42676	42276	0	51474T	0	0	0	0	0	46N	35E	WESTWE	781
NV	8516	BWI	2560	13174	0	0	31176	42676	42276	62074*	60176T	60774*	8	0	01040	0	46N	35E	WESTWE	781
NV	8517	BWI	1880	13174	0	0	0	0	0	0	0	90674	0	0	0	0	34N	23E	GULFMINHR	979
NV	8540	BWI	640	13174	0	0	0	0	0	0	0	83074	0	0	0	0	28N	32E	EAGLEPIII	979
NV	8542	BWI	2533	13174	0	0	30576	42076	41676	0	51776	0	0	0	0	0	46N	28E	THERMALRI	979
NV	8543	BWI	1954	13174	0	0	30576	42076	41676	0	51776T	0	0	0	0	0	44N	32E	THERMALRI	781
NV	8545	BWI	1880	13174	0	0	31976	42676	42276	0	51776T	0	0	0	0	0	45N	31E	EARTHPOPC	781
NV	8546	BWI	1562	13174	0	0	31976	42676	42276	0	51776T	0	0	0	0	0	44N	31E	EARTHPOPC	781
NV	8549	BWI	2349	13174	0	0	32676	42076	42676	0	51776	60374*	2	0	1200	0	46N	28E	UNITEDSSG	979
NV	8550	BWI	1600	13174	0	0	32676	42076	42676	0	51776T	0	0	0	0	0	44N	31E	LADDPETPC	781
NV	8551	BWI	1920	13174	0	0	0	0	0	91174	0	0	0	0	0	0	28N	32E	UTAHINTII	979
NV	8552	BWI	2560	13174	0	0	32676	42076	0	0	60176	0	0	0	0	0	47N	37E	UNITEDSSG	979
NV	8698	BWI	2560	30174	0	0	0	0	0	101674	0	0	0	0	0	0	40N	28E	STEAMCOCA	979
NV	8716	BWI	1610	30174	0	20576	0	0	0	61476	0	0	0	0	0	0	27N	32E	THERMALRI	979
NV	8717	BWI	2560	30174	0	0	0	0	0	22576	0	0	0	0	0	0	34N	27E	SANDSRS	979
NV	8718	BWI	2553	30174	12376	0	41676	42976	50676	0	51276T	0	0	0	0	0	37N	28E	HUNTNELE	781
NV	8719	BWI	2560	21474	12276	0	41676	42976	50676	0	51276	0	0	0	0	0	37N	28E	HUNTCLTE	979
NV	8720	BWI	2560	30174	0	0	0	0	0	0	0	40475	0	0	0	0	36N	26E	HUNTNAME	979
NV	8721	BWI	2559	30174	0	0	0	0	0	0	0	80475	0	0	0	0	36N	26E	HUNTNAME	979

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NV	8722	BWI	2559	30174	0	0	0	0	0	0	0	80475	0	0	0	0	36N	26E	HUNTNARB	979
NV	8723	BWI	2560	30174	0	0	0	0	0	0	0	80475	0	0	0	0	36N	27E	HUNTNARB	979
NV	8724	BWI	2560	30174	0	0	0	0	0	0	0	40475	0	0	0	0	36N	27E	HUNTNARB	979
NV	8725	BWI	2559	30174	12376	20576	31176	41376	42276	0	51776R	71475*12	0	1280	0	36N	27E	HUNTNARB	781	
NV	8726	BWI	2560	30174	12376	20576	41376	42076	42276	0	52576	0	0	0	0	36N	28E	HUNTNARB	979	
NV	8727	BWI	2551	30174	0	0	30576	42076	41676	0	51776R	0	0	0	0	36N	28E	HUNTNARB	781	
NV	8731	BWI	2560	30174	0	0	0	0	0	0	0	80575	0	0	0	0	35N	26E	SANDSJB	979
NV	8732	BWI	2560	30174	0	0	0	0	0	0	0	80575	0	0	0	0	35N	26E	SANDSJB	979
NV	8733	BWI	2560	30174	0	0	0	0	0	22576	0	0	0	0	0	34N	27E	SANDSRS	979	
NV	8742	BWI	2560	30174	12276	0	41676	42976	50676	0	51276	0	0	0	0	36N	28E	HUNTNARB	979	
NV	8743	BWI	2560	30174	12276	0	41676	42976	50676	0	51276	0	0	0	0	36N	28E	HUNTNARB	979	
NV	8744	BWI	2555	30176	12276	0	41676	42976	50676	0	51276R	0	0	0	0	36N	28E	HUNTNARB	781	
NV	8745	BWI	2560	30174	12276	0	41676	42976	50676	0	51276R	0	0	0	0	36N	28E	HUNTL	781	
NV	8746	BWI	2560	30174	12276	0	41676	42976	50676	0	51276R	0	0	0	0	36N	28E	HUNTL	781	
NV	8747	BWI	2560	30174	12276	0	41676	42976	50677	0	51276R	0	0	0	0	36N	28E	SCHOELLHW	781	
NV	8751	BWI	2560	30174	0	0	0	0	0	0	0	82575	0	0	0	0	35N	26E	SANDSJB	979
NV	8752	BWI	2560	30174	0	0	0	0	0	0	0	82575	0	0	0	0	35N	26E	SANDSJB	979
NV	8753	BWI	2523	30174	0	0	0	0	0	0	0	82575	0	0	0	0	35N	26E	SANDSJB	979
NV	8754	BWI	2560	30174	0	0	0	0	0	0	0	82575	0	0	0	0	35N	26E	SANDSJB	979
NV	8755	BWI	2519	30174	0	0	0	0	0	0	0	82575	0	0	0	0	35N	26E	SANDSJB	979
NV	8756	BWI	2517	30174	0	0	0	0	0	0	0	82575	0	0	0	0	35N	26E	SANDSJB	979
NV	8757	BWI	1922	30174	0	0	0	0	0	0	0	82275	0	0	0	0	37N	26E	SANDSSH	979
NV	8758	BWI	2247	30174	0	0	0	0	0	0	0	82275	0	0	0	0	35N	26E	SANDSSH	979
NV	8760	BWI	2328	30174	0	0	0	0	0	0	0	82275	0	0	0	0	35N	26E	SANDSSH	979
NV	8789	BWI	2554	22574	12275	0	43076	51976	61076	0	61676R	0	0	0	0	37N	26E	HUNTCLTE	781	
NV	8795	BWI	2249	30174	12276	0	0	0	0	30176	0	0	0	0	0	35N	28E	HUNTCLTE	979	
NV	8804	BWI	1938	30174	0	0	0	0	0	12375	0	0	0	0	0	34N	24E	CANNONJW	979	
NV	8805	BWI	2025	30174	0	0	0	0	0	12375	0	0	0	0	0	34N	24E	CANNONJW	979	
NV	8809	BWI	2258	30174	12276	20576	41376	42076	52676	30176*	51276R	0	0	0	0	35N	28E	HUNTCLTE	781	
NV	8811	BWI	2560	30174	0	0	0	0	0	0	0	80675	0	0	0	0	35N	27E	HUNTWI	979
NV	8812	BWI	2525	30174	0	0	0	0	0	0	0	82675	0	0	0	0	35N	25E	SANDSMW	979
NV	8814	BWI	1280	30174	0	0	0	0	0	40775	0	0	0	0	0	34N	27E	SCARBORMJ	979	
NV	8815	BWI	2530	30174	0	0	0	0	0	102974	0	0	0	0	0	35N	27E	HUNTCLTE	979	
NV	8820	BWI	1280	30174	0	0	0	0	0	42475	0	0	0	0	0	36N	28E	SCARBORMJ	979	
NV	8828	BWI	2524	30174	0	0	0	0	0	0	0	82675	0	0	0	0	35N	25E	SANDSMW	979
NV	8830	BWI	2560	30174	12276	0	0	0	0	32276	0	0	0	0	0	35N	28E	HUNTCLTE	979	
NV	8843	BWI	2145	30174	12276	0	43076	51976	61076	0	61676R	0	0	0	0	35N	28E	HUNTCLTE	781	
NV	8850	BWI	1937	30174	12276	0	0	0	0	30176	0	0	0	0	0	35N	28E	HUNTCLTE	979	
NV	8911	BWI	2555	30174	12276	0	43076	51976	61076	0	61676R	0	0	0	0	37N	28E	HUNTCLTE	781	
NV	8920	BWI	1280	30174	0	0	0	0	0	40775	0	0	0	0	0	37N	28E	SCARBORMJ	979	
NV	8921	BWI	640	30174	0	0	0	0	0	40775	0	0	0	0	0	35N	28E	SCARBORMJ	979	
NV	8928	BWI	1580	30174	0	0	0	0	0	0	0	21176	0	0	0	0	40N	28E	PHILLIPPC	979
NV	8929	BWI	2560	30174	0	0	0	0	0	0	0	21176	0	0	0	0	40N	28E	PHILLIPPC	979
NV	8930	BWI	2398	30174	0	0	0	0	0	30176	0	42975*	0	0	40	0	40N	28E	PHILLIPPC	979
NV	8931	BWI	2201	30174	0	0	0	0	0	0	0	21176	0	0	0	0	40N	28E	PHILLIPPC	979
NV	9862	BWI	2400	50174	0	0	0	0	0	0	0	122475	0	0	0	0	26N	38E	NATOMASC	979
NV	9864	BWI	2200	50174	0	0	0	0	0	22576	0	0	0	0	0	25N	39E	NATOMASC	979	
NV	10139	BWI	2601	60374	0	0	31176	42676	42276	0	51476T	0	0	0	0	46N	28E	JENKINSPT	781	
NV	10141	BWI	2520	60374	0	0	30576	42076	0	0	52576	42375*	0	0	600	0	47N	37E	THERMALRI	979
NV	10142	BWI	2560	60374	0	0	31976	42676	42276	0	51276	42375*	9	0	400	0	47N	37E	EARTHPOPC	979
NV	10299	BWI	1240	70174	0	0	0	0	0	61876	0	0	0	0	0	44N	31E	PHILLIPPC	979	
NV	10300	BWI	2477	70174	0	0	0	0	0	21376	0	0	0	0	0	43N	31E	PHILLIPPC	979	
NV	10301	BWI	2488	70174	50977	121680	0	0	0	0	0	61781*13	0	1728	0	43N	30E	PHILLIPPC	781	
NV	10303	BWI	2040	70174	0	0	30576	32076	41676	0	51776	42375*12	0	640	0	46N	28E	THERMALRI	979	
NV	10304	BWI	2034	70174	0	0	30576	32076	41676	91274*	51776	0	0	0	0	46N	28E	THERMALRI	979	

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NV 10305	BWI	2275	70174	0	0	41376	42076	42676	0	51276	120275*	5	0	1137	0	47N	29E	EARTHPOPC	979
NV 10306	BWI	2569	70174	0	0	0	0	0	52676	0	42575*	0	0	1916	0	46N	28E	EARTHPOPC	979
NV 10307	BWI	1949	70174	12376	20576	31976	42676	42276	90974*	51276	0	0	0	01369	43N	30E	THERMALRI	979	
NV 10308	BWI	2547	70174	12376	20576	0	0	0	91174*	120176	0	0	0	01921	43N	30E	THERMALRI	979	
NV 10309	BWI	2496	70174	0	20576	0	0	0	0	120176	42375*	0	0	1242	0	43N	30E	EARTHPOPC	979
NV 10310	BWI	2326	70174	0	20576	31976	42676	42276	90674*	51276	0	0	0	01043	43N	30E	EARTHPOPC	979	
NV 10584	BWI	1440	90374	0	0	30576	32076	41676	0	51775R	0	0	0	0	32N	38E	CHEVROUSA	781	
NV 10630	BWI	1572	100174	0	0	0	0	0	0	0	21276	0	0	0	0	28N	32E	UTAHINTII	979
NV 10631	BWI	1280	100174	0	0	0	0	0	0	0	21276	0	0	0	0	46N	28E	UTAHINTII	979
NV 10633	BWI	2498	100174	0	0	0	0	0	22676	0	0	0	0	0	0	32N	24E	SUNOILCOC	979
NV 10860	BWI	1512	120274	0	0	0	0	0	40176	0	0	0	0	0	0	40N	28E	TOWNEEBJ	979
NV 10863	BWI	1880	120274	0	0	51079	52279	61179	0	61879	42475*	0	0	720	0	33N	33E	PHILLIPPC	979
NV 10864	BWI	2241	120274	12676	20676	100677	101477	102777	82977*	103177	42175*	8	0	321	640	31N	32E	PHILLIPPC	979
NV 10865	BWI	1920	120274	0	0	31176	42676	42276	0	51476	0	0	0	0	0	31N	33E	PHILLIPPC	979
NV 10866	BWI	1959	120274	0	0	0	0	0	30176	0	41775*	0	0	60	0	32N	33E	PHILLIPPC	979
NV 10867	BWI	2378	120274	0	0	0	0	0	22576	0	0	0	0	0	0	32N	33E	PHILLIPPC	979
NV 10868	BWI	2320	120274	0	0	0	0	0	20976	0	41675*	0	0	30	0	32N	33E	PHILLIPPC	979
NV 10869	BWI	1919	120274	12676	20676	52476	60976	61176	0	62876	0	0	0	0	0	32N	33E	PHILLIPPC	979
NV 10870	BWI	2000	120274	0	0	0	0	0	61876	0	41675*	0	0	640	0	32N	32E	PHILLIPPC	979
NV 10887	BWI	640	120274	0	0	0	0	0	92976	0	0	0	0	0	0	32N	38E	CHEVRONSF	979
NV 10888	BWI	640	120274	0	0	0	0	0	92976	0	0	0	0	0	0	32N	39E	CHEVRONSF	979
NV 10889	BWI	640	120274	0	0	0	0	0	92976	0	0	0	0	0	0	32N	38E	CHEVRONSF	979
NV 10890	BWI	640	120274	0	0	0	0	0	92976	0	0	0	0	0	0	32N	38E	CHEVRONSF	979
NV 10893	BWI	2560	120274	0	0	72475	81175	80775	0	82275T	0	0	0	0	0	29N	48E	TOWNEEBJ	781
NV 10896	BWI	2560	120274	0	0	70975	72275	72375	0	80775T	41675*	9	0	40	0	27N	40E	SUPRONEEC	781
NV 11016	BWI	1520	10275	0	121680	40175	0	0	0	0	0	0	0	0	0	43N	30E	TOWNEEBJ	781
NV 11141	BWI	1835	20375	0	0	0	0	0	30576	0	41775*	0	0	520	0	37N	39E	UNIONOIOC	979
NV 11142	BWI	1726	20375	0	0	0	73175	0	30576	0	0	0	0	0	0	37N	38E	UNIONOIOC	979
NV 11447	BWI	1277	40175	0	0	31176	42676	42276	0	51476R	0	0	0	0	0	32N	38E	CHEVROUSA	781
NV 11587	BWI	2243	50175	12676	20676	62876	71676	72276	50376*	81776	60275*	9	0	677	0	32N	33E	PHILLIPPC	979
NV 11745	BWI	1920	70775	12676	20676	62876	71676	72276	50676*	81776	71575*	9	0	628	922	31N	33E	PHILLIPPC	979
NV 11923	BWI	2560	90275	0	0	32276	42076	42376	0	51376	0	0	0	0	0	31N	38E	GLENNSE	979
NV 11924	BWI	2560	90275	0	0	32276	42076	42376	0	51376	0	0	0	0	0	30N	38E	GLENNSE	979
NV 11925	BWI	2520	82775	0	0	32276	42076	42376	0	51376	0	0	0	0	0	31N	38E	GLENNSE	979
NV 11926	BWI	2520	82775	0	0	32276	42076	42376	0	51376	0	0	0	0	0	30N	38E	GLENNSE	979
NV 11927	BWI	2560	82775	0	0	32276	42076	42376	0	51376	0	0	0	0	0	31N	38E	GLENNSE	979
NV 11928	BWI	2560	82775	0	0	32276	42076	42376	42376*	51776	0	0	0	0	645	31N	38E	GLENNSE	979
NV 12127	BWI	1280	100175	0	0	32276	42076	42376	0	51376R	0	0	0	0	0	23N	26E	SUPRONEEC	781
NV 12129	BWI	1708	100175	0	0	50576	51876	61076	42376*	61676	32476*	8	0	0	400	31N	39E	AMINSUNOC	979
NV 12130	BWI	2320	100175	0	0	50576	51876	61076	41276*	61676	32576*	8	0	0	480	31N	39E	AMINSUNOC	979
NV 12131	BWI	1878	100175	0	0	50576	51876	61076	41276*	61676	0	0	0	0	640	31N	39E	AMINOILUI	979
NV 12255	BWI	2214	110375	0	0	0	0	0	31076	0	0	0	0	0	0	34N	40E	SOUTHERUP	979
NV 12256	BWI	938	110375	0	0	0	0	0	31076	0	0	0	0	0	0	34N	40E	SOUTHERUP	979
NV 12257	BWI	1574	110375	0	0	50376	61176	61076	31076*	61676	0	0	0	0	640	33N	40E	SULPHURRE	979
NV 12258	BWI	2560	110375	0	0	32276	40676	42276	0	50776	0	0	0	0	0	27N	40E	SUPRONEEC	979
NV 12259	BWI	2539	110375	0	0	50376	51876	61076	32276*	61176	0	0	0	0	01294	26N	40E	SUPRONEEC	979
NV 12549	BWI	2376	10276	0	0	31976	42676	42276	0	80676R	0	0	0	0	0	35N	29E	UNIONOIOC	781
NV 12641	BWI	2520	20276	0	0	60876	70676	70276	0	71376	0	0	0	0	0	25N	33E	GOSHANRF	979
NV 12642	BWI	2460	20276	0	0	60876	70676	70276	0	71376T	0	0	0	0	0	47N	35E	GOSHANRF	781
NV 12643	BWI	2562	20276	0	0	60876	70676	70276	0	71376	0	0	0	0	0	25N	37E	WESTWE	979
NV 12644	BWI	2495	20276	0	0	60876	70676	70276	0	71376T	0	0	0	0	0	47N	36E	WESTWE	781
NV 12645	BWI	1720	20276	0	0	60876	70676	70276	42376*	71376	0	0	0	0	40	31N	39E	AMINOILUI	979
NV 12646	BWI	1916	20276	0	0	60876	70676	70276	0	71376	0	0	0	0	0	31N	39E	AMINOILUI	979
NV 12842	BWI	658	40176	0	0	82476	83076	90876	0	92776	0	0	0	0	0	34N	40E	SULPHURRE	979
NV 12892	BWI	2129	50376	0	0	92276	93076	111176	0	40177	0	0	0	0	0	31N	39E	AMINOILUI	979

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NV 13142	BWI	1872	70176	0	0	61677	72377	72077	0	72577	0	0	0	0	0	43N	31E	ALTAENECC	781
NV 13143	BWI	1920	70176	0	0	0	0	0	0	80177	0	0	0	0	0	36N	29E	ALTAENECC	781
NV 13145	BWI	640	70176	0	0	0	0	0	90376	0	0	0	0	0	0	32N	33E	ALTAENECC	979
NV 13320	BWI	2440	100176	0	0	71277	72177	62177	0	92677	0	0	0	0	0	28N	32E	GETTYOIOC	979
NV 13321	BWI	2101	100176	0	0	52777	60877	62377	0	71277	0	0	0	0	0	27N	32E	GETTYOIOC	979
NV 13322	BWI	2547	100176	0	0	61677	62377	72077	0	72577	0	0	0	0	0	30N	37E	AMINOILUI	979
NV 13323	BWI	2560	100176	0	0	61677	62377	72077	0	72577	0	0	0	0	0	31N	39E	AMINOILUI	979
NV 14969	BWI	640	110176	0	0	0	0	0	90177	0	0	0	0	0	0	31N	38E	SOUTHERUP	979
NV 15767	BWI	2560	120176	0	0	40679	41777	42779	91977*	51579T	0	0	0	0	0	45N	27E	EARTHPOPC	781
NV 15769	BWI	1200	120176	0	0	92177	92877	100377	0	100777	0	0	0	0	0	27N	32E	GETTYOIOC	979
NV 15770	BWI	2266	120176	0	0	0	0	0	82677	0	0	0	0	0	0	45N	27E	UNITEDSSG	979
NV 15771	BWI	2003	120176	0	0	92177	92877	100377	0	100777	0	0	0	0	0	45N	27E	UNITEDSSG	979
NV 15772	BWI	2036	120176	0	0	0	0	0	82577	0	0	0	0	0	0	45N	27E	THERMALRI	979
NV 15773	BWI	2560	120176	0	0	120177	120977	12578	82577*	22478	0	0	0	0	640	45N	27E	THERMALRI	979
NV 15774	BWI	2555	120176	0	0	92177	92677	100377	0	102177	0	0	0	0	0	31N	39E	BUCKLINON	979
NV 15777	BWI	640	120176	0	0	92177	92877	100377	0	100777	0	0	0	0	0	31N	39E	AMINOILUI	979
NV 16179	BWI	672	10377	0	0	92277	92977	101177	0	102677	0	0	0	0	0	29N	37E	CHEVRONSF	979
NV 16180	BWI	640	10377	0	0	92277	92977	101177	0	102677	0	0	0	0	0	30N	36E	CHEVRONSF	979
NV 16199	BWI	626	10377	0	0	92277	92974	101177	0	102677	0	0	0	0	0	29N	37E	CHEVROUSA	979
NV 16560	BWI	2560	30177	0	0	100677	101477	111077	0	20878	0	0	0	0	0	21N	27E	SUPRONEEC	979
NV 16680	BWI	1280	40177	0	0	82677	92377	92677	0	160777	0	0	0	0	0	31N	33E	PHILLIPPC	979
NV 16773	BWI	2306	50277	0	121680	0	0	0	0	0	0	0	0	0	0	45N	27E	CONTINEGC	781
NV 16774	BWI	1982	50277	0	0	82677	92677	92877	0	100777	0	0	0	0	0	45N	20E	EARTHPOPC	979
NV 16775	BWI	2004	50277	0	0	82677	92677	92877	0	100777	0	0	0	0	0	45N	27E	EARTHPOPC	979
NV 16776	BWI	2476	50277	0	0	82677	92677	92877	0	100777	0	0	0	0	0	46N	28E	EARTHPOPC	979
NV 16777	BWI	1278	50277	0	0	0	0	0	91477	0	0	0	0	0	0	43N	31E	EARTHPOPC	979
NV 16778	BWI	2554	50277	0	0	0	0	0	91477	0	0	0	0	0	0	43N	31E	EARTHPOPC	979
NV 16779	BWI	1292	50277	0	0	0	0	0	110277	0	0	0	0	0	0	45N	28E	THERMALRI	979
NV 16780	BWI	2240	50277	0	121680	0	0	0	122777*	0	80277*	9	0	0	0	45N	28E	THERMALRI	781
NV 16781	BWI	2560	50277	0	0	0	0	0	110277	0	0	0	0	0	0	45N	28E	THERMALRI	979
NV 16782	BWI	2560	50277	0	0	0	0	0	110277	0	0	0	0	0	0	45N	28E	THERMALRI	979
NV 16783	BWI	2558	50277	0	121680	0	0	0	0	0	0	0	0	0	0	45N	28E	THERMALRI	781
NV 16784	BWI	1980	50277	0	0	0	0	0	82677	0	0	0	0	0	0	44N	27E	UNITEDSSG	979
NV 16785	BWI	2462	50277	0	0	0	0	0	82677	0	0	0	0	0	0	44N	27E	UNITEDSSG	979
NV 16786	BWI	2567	50277	0	0	0	0	0	82677	0	0	0	0	0	0	44N	27E	UNITEDSSG	979
NV 16787	BWI	2524	50277	0	0	0	0	0	82677	0	0	0	0	0	0	44N	27E	UNITEDSSG	979
NV 16788	BWI	2571	50277	0	0	0	0	0	82677	0	0	0	0	0	0	44N	27E	UNITEDSSG	979
NV 16789	BWI	2570	50277	0	0	0	0	0	82677	0	0	0	0	0	0	44N	27E	UNITEDSSG	979
NV 16790	BWI	2474	50277	0	22081	0	0	42781	0	70181	0	0	0	0	0	45N	28E	CONTINEGC	781
NV 16791	BWI	1998	50277	0	0	0	0	0	0	0	0	0	0	0	0	45N	23E	UNITEDSSG	979
NV 16801	BWI	1736	50277	0	0	111577	112377	112277	0	20878	0	0	0	0	0	30N	33E	PHILLIPPC	979
NV 17152	BWI	2019	70177	0	0	92177	92977	31780	0	50180	0	0	0	0	0	45N	27E	EARTHPOPC	781
NV 17153	BWI	1976	70177	0	0	0	0	0	82577	0	0	0	0	0	0	44N	27E	THERMALRI	979
NV 17154	BWI	2560	70177	0	0	0	0	0	82677	0	0	0	0	0	0	45N	27E	UNITEDSSG	979
NV 17363	BWI	2430	80177	0	0	120177	120977	12878	0	22476	0	0	0	0	0	47N	28E	GRACEORJR	979
NV 17364	BWI	2129	80177	0	0	120177	120977	12578	0	22278	0	0	0	0	0	47N	28E	THERMALRI	979
NV 17365	BWI	2489	80177	0	0	120177	120977	12578	0	22476	0	0	0	0	0	47N	28E	THERMALRI	979
NV 17366	BWI	2097	80177	0	0	111577	112377	112277	0	30178	0	0	0	0	0	47N	30E	THERMALRI	979
NV 17367	BWI	2556	80177	0	0	111577	112377	112277	0	30178	31478*	0	0	774	0	47N	29E	THERMALRI	979
NV 17453	BWI	2539	90177	0	0	40979	41779	42779	10880	0	0	0	0	0	0	22N	40E	AMAXEXPEI	781
NV 17454	BWI	2538	90177	0	0	61279	61579	62279	0	62979	0	0	0	0	0	23N	40E	AMAXEXPEI	979
NV 17456	BWI	2240	90177	0	0	61378	62378	71478	0	80778	51773*	9	0	0	0	32N	39E	AMINSUNOC	979
NV 17457	BWI	2240	90177	0	0	61376	62376	71478	0	80776	0	0	0	0	0	31N	38E	AMINSUNOC	979
NV 17781	BWI	774	100377	0	0	0	0	0	0	92878	7	0	0	0	0	47N	30E	UNITEDSSG	979
NV 17782	BWI	1440	100377	0	0	0	0	0	72078	0	0	0	0	0	0	31N	33E	PHILLIPPC	979

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NV 18034	BWI	2560	110177	71378	0	0	0	0	0	0	20580	14	9	0	0	23N 29E	WESTERNOS	781
NV 18394	BWI	1976	120177	0	0	0	0	0	0	0	70778	7	0	0	0	47N 30E	UNITEDSSG	979
NV 18395	BWI	2549	120177	0	0	0	0	0	0	0	71078	7	0	0	0	44N 27E	UNITEDSSG	979
NV 18396	BWI	2510	120177	0	0	0	0	0	0	0	71078	7	0	0	0	44N 27E	UNITEDSSG	979
NV 18648	BWI	1894	10378	0	0	62378	62978	73178	0	90178	0	0	0	0	0	30N 33E	UNIONOIOC	979
NV 18649	BWI	640	10378	0	0	61378	62378	71478	0	72678	0	0	0	0	0	31N 38E	AMINSUNOC	979
NV 18660	BWI	2601	10378	0	0	0	0	0	32378	0	0	0	0	0	0	46N 28E	JENKINSPT	979
NV 18849	BWI	1262	20178	0	0	0	0	0	0	70178R	0	0	0	0	0	32N 34E	UNIONOIOC	781
NV 18850	BWI	699	20178	0	0	91878	101278	102778	0	111478	0	0	0	0	0	32N 33E	UNIONOIOC	979
NV 19674	BWI	1560	40378	0	0	0	0	0	102778	0	0	0	0	0	0	33N 33E	DARLEYWOR	979
NV 19931	BWI	2560	60178	0	0	32079	41279	40379	0	50179	0	0	0	0	0	25N 38E	OCCIDENGI	781
NV 19932	BWI	2559	60178	0	0	32079	41279	0	0	42079	0	0	0	0	0	25N 38E	OCCIDENGI	979
NV 20072	BWI	2560	70378	0	0	0	0	0	20279	0	11879	11	0	0	0	26N 37E	SHAWJR	781
NV 20628	BWI	1976	90178	0	0	32379	40479	41179	0	51179T	0	0	0	0	0	47N 30E	UNITEDSSG	781
NV 20629	BWI	2549	90178	0	0	0	0	71079	0	60179	0	0	0	0	0	44N 27E	UNITEDSSG	781
NV 20630	BWI	774	90178	0	0	32379	0	41179	0	51179T	0	0	0	0	0	47N 30E	UNITEDSSG	781
NV 21440	BWI	2427	120178	0	0	0	0	42779	0	60179	0	0	0	0	0	37N 29E	SCHOELLHW	781
NV 21441	BWI	2400	120178	0	0	0	0	42779	0	60179	0	0	0	0	0	36N 30E	SCHOELLHW	781
NV 21442	BWI	2409	120178	0	0	0	0	42779	0	60179	0	0	0	0	0	36N 30E	SCHOELLHW	781
NV 21443	BWI	2680	120178	0	0	0	0	42779	0	60179	0	0	0	0	0	36N 29E	SCHOELLHW	781
NV 21444	BWI	2547	120178	0	0	32879	41779	42779	0	51579	0	0	0	0	0	37N 30E	HUNTIL	979
NV 21445	BWI	2548	120178	0	0	32879	41779	42779	0	51579	0	0	0	0	0	37N 30E	HUNTIL	979
NV 21446	BWI	2560	120178	0	0	32879	41779	42779	0	51579	0	0	0	0	0	36N 29E	HUNTIL	979
NV 21447	BWI	1284	120178	0	0	0	0	0	0	0	22278	8	0	0	0	36N 29E	HUNTIL	979
NV 21448	BWI	2560	120178	0	0	40579	41879	42779	0	51579	0	0	0	0	0	37N 29E	HUNTNRK	979
NV 21449	BWI	2560	120178	0	0	40579	41879	42779	0	51579	0	0	0	0	0	37N 30E	HUNTNRK	979
NV 21450	BWI	1908	120178	0	0	40979	41779	42779	0	51579	0	0	0	0	0	37N 30E	SCHOELLHW	979
NV 21451	BWI	2560	120178	0	0	40979	41779	42779	0	51579	0	0	0	0	0	37N 30E	SCHOELLHW	979
NV 21452	BWI	1920	120178	0	0	40579	41879	42779	0	51579	0	0	0	0	0	36N 29E	HUNTNRK	979
NV 21453	BWI	2608	120178	0	0	40979	41779	42779	0	60179	0	0	0	0	0	36N 29E	SCHOELLHW	781
NV 21455	BWI	2518	120178	0	0	0	0	0	0	0	22278	5	0	0	0	25N 37E	HUGHESWH	979
NV 21459	BWI	2560	120178	0	0	32679	40479	41179	0	50779	0	0	0	0	0	28N 36E	HILLIKENR	979
NV 21460	BWI	2560	120178	0	0	32679	40479	41179	22679*	50779	0	0	0	0	0	28N 36E	HILLIKENR	979
NV 21461	BWI	2560	120178	0	0	32679	40479	41179	0	50779	0	0	0	0	0	28N 36E	HILLIKENR	979
NV 21462	BWI	2560	120178	0	0	32679	40479	41179	0	50779	0	0	0	0	0	29N 36E	HILLIKENR	979
NV 21463	BWI	2560	120178	0	0	32679	40479	41179	0	50779	0	0	0	0	0	28N 36E	HILLIKENR	979
NV 21464	BWI	2560	120178	0	0	32679	40479	41179	0	50779	0	0	0	0	0	29N 36E	HILLIKENR	979
NV 21465	BWI	2560	120178	0	0	32679	40479	41179	0	50779	0	0	0	0	0	28N 37E	HILLIKENR	979
NV 21466	BWI	2560	120178	0	0	32679	40479	41179	0	50779	0	0	0	0	0	29N 36E	HILLIKENR	979
NV 21659	BWI	2186	10279	0	0	0	0	61179	0	120179	0	0	0	0	0	45N 27E	THERMALRI	781
NV 21660	BWI	2537	10279	0	0	50179	51679	61179	91879	0	0	0	0	0	0	44N 27E	THERMALRI	979
NV 21661	BWI	2560	10279	0	0	50179	51679	61179	91879	0	0	0	0	0	0	45N 28E	THERMALRI	979
NV 21662	BWI	1597	10279	0	0	0	0	0	0	0	52579	3	0	0	0	44N 27E	UNITEDSSG	979
NV 21663	BWI	2352	10279	0	0	0	0	0	0	0	52579	3	0	0	0	44N 27E	UNITEDSSG	979
NV 21665	BWI	2506	10279	0	0	0	0	0	0	0	41179	5	0	0	0	25N 37E	PHILLIPPC	979
NV 21666	BWI	1913	10279	0	0	0	0	0	0	0	41179	5	0	0	0	25N 37E	PHILLIPPC	979
NV 21668	BWI	2560	10279	0	0	0	0	0	0	0	41179	5	0	0	0	25N 37E	MCGAHEYML	979
NV 21676	BWI	2512	10279	0	0	52479	53179	61179	0	70179	0	0	0	0	0	30N 39E	BOOTHGHI	781
NV 21769	BWI	2560	20179	0	0	51579	53179	61179	0	61879R	0	0	0	0	0	25N 39E	ATLANTIRC	781
NV 21770	BWI	1800	20179	0	0	51579	53179	61179	0	61879R	0	0	0	0	0	25N 39E	ATLANTIRC	781
NV 21771	BWI	2560	20179	0	0	51579	53179	61179	0	61879R	0	0	0	0	0	25N 39E	ATLANTIRC	781
NV 21772	BWI	2240	20179	0	0	51579	53179	61179	0	61879R	0	0	0	0	0	25N 39E	ATLANTIRC	781
NV 24045	BWI	2555	40279	0	0	72379	80779	81579	0	82779	0	0	0	0	0	25N 38E	HOEFLERC	979
NV 24048	BWI	2560	40279	0	0	71279	72579	80179	0	80179	0	0	0	0	0	26N 36E	ATLANTIRC	979
NV 24049	BWI	1280	40279	0	0	71279	72579	80179	0	80179	0	0	0	0	0	25N 35E	ATLANTIRC	979

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NV	24050	BWI	2560	40279	0	0	71279	72579	80179	0	80179	0	0	0	0	0	26N	36E	ATLANTIRC	979	
NV	24051	BWI	2560	40279	0	0	71279	72579	80179	0	80179	61179*	9	0	0	0	25N	36E	SOUTHLARC	979	
NV	24052	BWI	2560	40279	0	0	71279	72579	80179	0	71279	61179*	0	0	0	0	25N	36E	SOUTHLARC	979	
NV	24055	BWI	2520	40279	0	0	71779	73079	81379	0	82279	0	0	0	0	0	27N	40E	SCHRIINER	979	
NV	24056	BWI	2870	40279	0	0	0	0	0	0	0	61179	1	0	0	0	26N	40E	SCHRIINER	979	
NV	24446	BWI	2556	50179	0	0	0	0	0	82779	0	0	0	0	0	0	25N	35E	PHILLIPPC	979	
NV	24447	BWI	2545	50179	0	0	0	0	111379	100179*	120179	0	0	0	0	0	1909	25N	35E	PHILLIPPC	781
NV	24448	BWI	2560	50179	0	0	0	0	111379	100179*	120179	0	0	0	0	0	01920	25N	35E	PHILLIPPC	781
NV	24449	BWI	2560	50179	0	0	0	0	0	92779	0	0	0	0	0	0	25N	35E	PHILLIPPC	979	
NV	24450	BWI	2560	50179	0	0	0	0	0	82779	0	0	0	0	0	0	25N	35E	PHILLIPPC	979	
NV	24451	BWI	2513	50179	0	0	0	0	0	82779	0	0	0	0	0	0	25N	35E	PHILLIPPC	979	
NV	24452	BWI	2515	50179	0	0	0	0	0	82779	0	0	0	0	0	0	25N	35E	PHILLIPPC	979	
NV	24453	BWI	2558	50179	0	0	0	0	0	82779	0	0	0	0	0	0	25N	36E	PHILLIPPC	979	
NV	24454	BWI	2513	50179	0	0	0	0	41480	31980*	50180	21380*	11	0	616	640	25N	36E	PHILLIPPC	781	
NV	24455	BWI	2545	50179	0	0	0	0	0	82779	0	0	0	0	0	0	26N	36E	PHILLIPPC	979	
NV	24456	BWI	2560	50179	0	0	0	0	0	82779	0	0	0	0	0	0	26N	36E	PHILLIPPC	979	
NV	24457	BWI	2552	50179	0	0	0	0	0	82779	0	0	0	0	0	0	26N	36E	PHILLIPPC	979	
NV	24458	BWI	2560	50179	0	0	0	0	0	82779	0	0	0	0	0	0	26N	36E	PHILLIPPC	979	
NV	24459	BWI	2553	50179	0	0	0	0	111379	112179*	120179	0	0	0	0	0	01926	26N	36E	PHILLIPPC	781
NV	24460	BWI	2502	50179	0	0	0	0	111379	0	120179	112179*	11	0	1873	0	26N	36E	PHILLIPPC	781	
NV	24461	BWI	2538	50179	0	0	0	0	0	82779	0	0	0	0	0	0	26N	36E	PHILLIPPC	979	
NV	24462	BWI	1949	50179	0	0	0	0	111379	0	120179	0	0	0	0	0	26N	35E	PHILLIPPC	781	
NV	24463	BWI	2570	50179	0	0	0	0	0	92779	0	0	0	0	0	0	26N	35E	PHILLIPPC	979	
NV	24464	BWI	1943	50179	0	0	0	0	111379	100179*	120179R	0	0	0	0	0	01282	26N	35E	PHILLIPPC	781
NV	24465	BWI	2560	50179	0	0	0	0	0	82779	0	0	0	0	0	0	26N	35E	PHILLIPPC	979	
NV	24466	BWI	2563	50179	0	0	0	0	0	82779	0	0	0	0	0	0	26N	35E	PHILLIPPC	979	
NV	24467	BWI	2560	50179	0	0	0	0	0	82779	0	0	0	0	0	0	25N	34E	PHILLIPPC	979	
NV	24468	BWI	2400	50179	0	0	0	0	0	82879	0	0	0	0	0	0	25N	34E	PHILLIPPC	979	
NV	24469	BWI	2240	50179	0	0	0	0	0	82879	0	0	0	0	0	0	25N	34E	PHILLIPPC	979	
NV	24470	BWI	1898	50179	0	0	0	0	0	82879	0	0	0	0	0	0	25N	34E	PHILLIPPC	979	
NV	24710	BWI	1920	60179	0	0	92179	0	103179	0	120179	0	0	0	0	0	26N	38E	GETTYOIOC	781	
NV	24711	BWI	1936	60179	0	0	0	0	121079	0	21080	0	0	0	0	0	26N	38E	GETTYOIOC	781	
NV	24712	BWI	1878	60179	0	0	0	0	31780	0	50180	41480*	5	0	1236	0	25N	38E	HOEFLERC	781	
NV	24714	BWI	2532	60179	0	0	0	0	120479	0	20180	0	0	0	0	0	25N	37E	HOEFLERC	781	
NV	24715	BWI	2501	60179	0	0	0	0	112979	0	20180	0	0	0	0	0	25N	37E	HOEFLERC	781	
NV	25101	BWI	644	70379	0	0	0	0	120479	0	20180	0	0	0	0	0	37N	30E	HUNTL	781	
NV	25102	BWI	644	70279	0	0	0	0	112079	0	20180	0	0	0	0	0	37N	30E	HUNTL	781	
NV	25103	BWI	2351	70279	0	0	0	0	31780	0	90180	0	0	0	0	0	36N	29E	CONTINEGC	781	
NV	25104	BWI	1253	70279	0	0	0	0	31780	0	90180	0	0	0	0	0	44N	27E	CONTINEGC	781	
NV	25105	BWI	1597	70279	0	0	0	0	20480	0	40180	0	0	0	0	0	44N	27E	SANSONE	781	
NV	25106	BWI	1965	70279	0	0	0	0	20480	0	40180	0	0	0	0	0	40N	28E	SANSONE	781	
NV	25107	BWI	1960	70279	0	0	0	0	20480	0	50180	0	0	0	0	0	40N	28E	SANSONE	781	
NV	25108	BWI	2414	70279	0	0	0	0	20480	30580*	40180	0	0	0	0	646	40N	27E	SANSONE	781	
NV	25109	BWI	2496	70279	0	0	0	0	20480	0	40180	0	0	0	0	0	40N	27E	SANSONE	781	
NV	25110	BWI	1908	70279	0	0	0	0	20480	0	40180	0	0	0	0	0	40N	27E	SANSONE	781	
NV	25114	BWI	640	70279	0	0	0	0	11780	0	20180	0	0	0	0	0	36N	41E	SPANGLELJ	781	
NV	25115	BWI	1985	70279	0	0	0	0	11780	0	20180	111379*	8	9	1354	0	35N	41E	SPANGLELJ	781	
NV	25116	BWI	1851	70279	0	0	0	0	11780	0	20180	0	0	0	0	0	35N	42E	SPANGLELJ	781	
NV	25117	BWI	1920	70279	0	0	0	0	11780	0	20180	110579*	9	0	63	0	27N	40E	SPANGLELJ	781	
NV	25118	BWI	1920	70279	0	111679	0	51380	102130	0	110180	103079*	0	0	1280	0	37N	29E	HUNTL	781	
NV	25119	BWI	1920	70279	0	0	0	0	92580	0	110180	102380*	11	0	1280	0	36N	29E	HUNTL	781	
NV	25507	BWI	2560	80179	80179	0	0	0	0	10780	0	103979	11	0	0	0	47N	37E	HOWELLEE	781	
NV	25510	BWI	2560	80179	80179	0	0	0	20680	0	30180	22580*	6	9	553	0	48N	37E	JACOBSL	781	
NV	25511	BWI	2360	80179	80179	0	0	0	32480	0	50180	41480*	3	0	360	0	47N	37E	JACOBSL	781	
NV	25512	BWI	2560	80179	80179	0	0	0	20680	0	30180	0	0	0	0	0	26N	39E	HOLLOWAY	781	

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NV 25513	BWI 2560	80179	80179	0	0	0	20680	0	30180	0	0	0	0	0	26N 39E	HOLLOWAY	781
NV 25514	BWI 2560	80179	80179	0	0	0	20680	0	30180	0	0	0	0	0	26N 39E	HOLLOWAY	781
NV 25515	BWI 2560	80179	80179	0	0	0	20680	0	30180	0	0	0	0	0	26N 39E	HOLLOWAY	781
NV 25516	BWI 2515	80179	80179	0	0	0	20680	0	30180	0	0	0	0	0	26N 39E	HOLLOWAY	781
NV 25517	BWI 2073	80179	80179	0	0	0	20680	0	30180	0	0	0	0	0	26N 39E	HOLLOWAY	781
NV 25518	BWI 2540	80179	80179	0	0	0	20680	0	30180	0	0	0	0	0	36N 43E	HOLLOWAY	781
NV 25519	BWI 2553	80179	80179	0	0	0	20680	0	30180	0	0	0	0	0	36N 43E	HOLLOWAY	781
NV 25520	BWI 2495	80179	80179	0	0	0	61981	0	70181	0	0	0	0	0	35N 43E	HOLLOWAY	781
NV 25521	BWI 2560	80179	80279	0	0	0	0	0	0	0	0	0	0	0	35N 43E	PICKENSJT	781
NV 25522	BWI 2518	80179	80279	0	0	0	0	0	0	0	0	0	0	0	35N 40E	PICKENSJT	781
NV 25523	BWI 2521	80179	80279	0	0	0	0	0	0	0	0	0	0	0	35N 41E	PICKENSJT	781
NV 25524	BWI 2503	80179	80279	0	0	0	0	0	0	0	0	0	0	0	35N 40E	PICKENSJT	781
NV 25525	BWI 2413	80179	0	0	0	0	0	91879	0	0	0	0	0	0	35N 39E	PICKENSJT	979
NV 25526	BWI 2535	80179	80279	0	0	0	42980	0	60180	0	0	0	0	0	37N 39E	BOOTHGM3	781
NV 25527	BWI 2488	80179	80279	0	0	0	0	0	0	0	0	0	0	0	35N 43E	PICKENSJT	781
NV 25528	BWI 2440	80179	80279	0	0	0	42980	0	70130	0	0	0	0	0	37N 39E	PICKENSKD	781
NV 25529	BWI 2560	80179	80279	0	0	0	20680	0	30180	0	0	0	0	0	37N 41E	BOOTHGM3	781
NV 25530	BWI 2549	80179	80279	0	0	0	42980	0	70130	21480*14	9	119	0	0	36N 41E	PICKENSKD	781
NV 25531	BWI 2518	80179	80279	0	0	0	42980	0	60180	0	0	0	0	0	36N 41E	PICKENSJT	781
NV 25532	BWI 2539	80179	80279	0	0	0	42980	0	60180	0	0	0	0	0	36N 40E	PICKENSJT	781
NV 25533	BWI 2469	80179	0	0	0	0	0	91879	0	0	0	0	0	0	36N 40E	PICKENSJT	979
NV 25534	BWI 2530	80179	80279	0	0	0	0	0	0	0	0	0	0	0	36N 39E	PICKENSJT	781
NV 25535	BWI 2636	80179	80279	0	0	0	0	0	0	22780	14	0	0	0	26N 39E	HOLLOWAY	781
NV 25536	BWI 1385	80179	80279	0	0	0	11780	0	20180	0	0	0	0	0	26N 40E	SCHRINMER	781
NV 25537	BWI 1485	80179	80279	0	0	0	11780	0	20180	0	0	0	0	0	26N 40E	SCHRINMER	781
NV 25538	BWI 1273	80179	80279	0	0	0	11780	0	20180	0	0	0	0	0	26N 38E	SCHRINMER	781
NV 25539	BWI 1920	80179	80279	0	0	0	11780	0	20180	0	0	0	0	0	26N 38E	SCHRINMER	781
NV 25878	BWI 2560	90479	90579	0	0	0	0	61980	0	0	0	0	0	0	35N 29E	ATLANTIRC	781
NV 25879	BWI 1513	90479	90579	0	0	0	0	61980	0	0	0	0	0	0	34N 29E	ATLANTIRC	781
NV 25880	BWI 758	90479	90579	0	0	0	61180	0	70180	0	0	0	0	0	35N 29E	ATLANTIRC	781
NV 25881	BWI 1860	90479	90579	0	0	0	0	61980	0	0	0	0	0	0	35N 30E	ATLANTIRC	781
NV 25882	BWI 1877	90479	90579	0	0	0	0	61980	0	0	0	0	0	0	34N 29E	ATLANTIRC	781
NV 25883	BWI 1920	90479	90579	0	0	0	0	61980	0	0	0	0	0	0	34N 29E	ATLANTIRC	781
NV 25884	BWI 2537	90479	90579	0	0	0	0	61980	0	0	0	0	0	0	35N 29E	ATLANTIRC	781
NV 25885	BWI 1920	90479	90579	0	0	0	0	61980	0	0	0	0	0	0	35N 29E	ATLANTIRC	781
NV 25886	BWI 2283	90479	90579	0	0	0	61180	0	90180	0	0	0	0	0	35N 29E	ATLANTIRC	781
NV 25887	BWI 1920	90479	90579	0	0	0	0	61980	0	0	0	0	0	0	35N 29E	ATLANTIRC	781
NV 25888	BWI 2560	90479	90579	0	0	0	20680	0	30180	0	0	0	0	0	29N 36E	HELSETHBK	781
NV 25889	BWI 2460	90479	90579	0	0	0	42980	0	60180	0	0	0	0	0	37N 39E	PICKENSJT	781
NV 25890	BWI 2358	90479	90579	42880	0	0	72980	82280*	70180	0	0	0	0	378	28N 33E	BUCKLINWN	781
NV 25891	BWI 2210	90479	90579	42880	0	0	22080	0	60180	0	0	0	0	0	32N 34E	BUCKLINLH	781
NV 25892	BWI 2539	90479	90579	51081	0	0	0	0	0	0	0	0	0	0	32N 33E	BUCKLINLH	781
NV 25893	BWI 1700	90479	90579	51081	0	0	21380	0	70181	60581*	9	8	401	0	32N 33E	BUCKLINLH	781
NV 25894	BWI 2480	90479	90579	0	0	0	112580	0	10131	81430*	9	0	160	0	33N 34E	BUCKLINLH	781
NV 25895	BWI 2492	90479	90579	0	0	0	112580	0	10181	61480*	9	0	639	0	32N 35E	BUCKLINLH	781
NV 25896	BWI 2560	90479	90579	51081	0	0	22080	0	70181	0	0	0	0	0	32N 35E	BUCKLINLH	781
NV 25897	BWI 2463	90479	90579	51081	0	0	0	0	0	0	0	0	0	0	33N 35E	BUCKLINWN	781
NV 25898	BWI 2501	90479	90579	51081	0	0	22080	0	0	0	0	0	0	0	33N 35E	BUCKLINWN	781
NV 25899	BWI 2398	90479	90579	0	0	0	22080	0	40180	0	0	0	0	0	30N 39E	BUCKLINWN	781
NV 25900	BWI 2310	90479	90579	51081	0	0	22080	0	70181	0	0	0	0	0	27N 32E	BUCKLINWN	781
NV 25901	BWI 1969	90479	90579	0	0	0	40280	0	50180	0	0	0	0	0	27N 32E	BUCKLINWN	781
NV 25902	BWI 2367	90479	90579	51081	0	0	22080	0	70181	0	0	0	0	0	28N 33E	BUCKLINWN	781
NV 25903	BWI 2394	90479	90579	0	0	0	20680	0	30180	0	0	0	0	0	36N 40E	BUCKLINWN	781
NV 25904	BWI 2358	90479	90579	0	0	0	0	0	100180	0	0	0	0	0	35N 39E	BUCKLINWN	781
NV 26395	BWI 2560	100179	100379	0	0	0	0	31480	0	21980	7	0	0	0	26N 39E	WOODHARWN	781

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NV 26811	BWI	1898	110179	111179	0	0	0	0	71580	0	0	0	0	0	29N	24E	ANADARKPC	781	
NV 26820	BWI	1919	110179	111179	0	0	0	41480	0	50180	0	0	0	0	0	26N	34E	LEWISHE	781
NV 26826	BWI	1962	110179	111179	0	0	0	41480	0	50180R	0	0	0	0	0	25N	32E	STUARTAE	781
NV 26827	BWI	2560	110179	111179	0	0	0	41480	0	50180R	0	0	0	0	0	25N	32E	STUARTAE	781
NV 26828	BWI	2060	110179	111179	0	0	0	41480	0	50180	42180*	9	0	100	0	27N	33E	STUARTAE	781
NV 26830	BWI	1302	110179	111179	0	0	0	41430	0	50180R	0	0	0	0	0	25N	32E	STUARTAE	781
NV 26831	BWI	2320	110179	111179	0	0	0	40260	0	50180	0	0	0	0	0	29N	32E	BUCKLINLH	781
NV 26832	BWI	2440	110179	111179	0	0	0	40280	0	50180	0	0	0	0	0	29N	33E	BUCKLINLH	781
NV 26833	BWI	2202	110179	111179	0	0	0	0	61960	0	0	0	0	0	0	27N	39E	AGDLINITE	781
NV 26834	BWI	2503	110179	111179	0	0	0	0	0	0	72580	14	0	0	0	27N	39E	AGDLINITE	781
NV 26835	BWI	2472	110179	111179	0	0	0	0	0	0	72580	14	0	0	0	27N	40E	AGDLINITE	781
NV 26836	BWI	2452	110179	111179	121479	0	0	0	0	0	72580	14	0	0	0	27N	40E	AGDLINITE	781
NV 26837	BWI	2549	110179	111179	0	0	0	0	61960	0	0	0	0	0	0	26N	39E	AGDLINITE	781
NV 26838	BWI	2551	110179	111179	0	0	0	43080	61980	0	0	0	0	0	0	26N	39E	AGDLINITE	781
NV 26839	BWI	2560	110179	111179	0	0	0	0	61980	0	0	0	0	0	0	26N	38E	AGDLINITE	781
NV 26840	BWI	2546	110179	111179	0	0	0	0	61980	0	0	0	0	0	0	26N	38E	AGDLINITE	781
NV 26841	BWI	2430	110179	111179	0	0	0	43080	0	60180	52080*	9	0	40	0	30N	40E	AGDLINITE	781
NV 26842	BWI	2520	110179	111179	0	0	0	43080	0	60180	52080*	9	0	40	0	30N	39E	AGDLINITE	781
NV 26843	BWI	2240	110179	111179	0	0	0	43080	0	60180	0	0	0	0	0	30N	39E	AGDLINITE	781
NV 26844	BWI	2480	110179	111179	0	0	0	43080	0	60180	0	0	0	0	0	30N	39E	AGDLINITE	781
NV 26845	BWI	2200	110179	111179	0	0	0	43080	0	60180	0	0	0	0	0	30N	39E	AGDLINITE	781
NV 26846	BWI	2418	110179	111179	0	0	0	0	0	0	72580	14	0	0	0	28N	39E	AGDLINITE	781
NV 26847	BWI	2163	110179	111179	0	0	0	43080	0	60180	0	0	0	0	0	28N	39E	AGDLINITE	781
NV 26848	BWI	2500	110179	111179	0	0	0	43080	0	60180	0	0	0	0	0	29N	39E	AGDLINITE	781
NV 26849	BWI	2502	110179	111179	0	0	0	43080	0	60180	0	0	0	0	0	29N	39E	AGDLINITE	781
NV 26850	BWI	1903	110179	111179	0	0	0	43080	0	60180	0	0	0	0	0	29N	39E	AGDLINITE	781
NV 26851	BWI	2343	110179	111179	0	0	0	0	0	0	72580	14	0	0	0	29N	39E	AGDLINITE	781
NV 26852	BWI	2542	110179	111179	0	0	0	0	0	0	72580	14	0	0	0	29N	39E	AGDLINITE	781
NV 26853	BWI	2560	110179	111179	0	0	0	0	0	0	72580	14	0	0	0	29N	38E	AGDLINITE	781
NV 26854	BWI	1920	110179	111179	0	0	0	0	61980	0	0	0	0	0	0	29N	38E	AGDLINITE	781
NV 26855	BWI	2502	110179	111179	0	0	0	0	0	0	72580	14	0	0	0	26N	40E	AGDLINITE	781
NV 26856	BWI	2511	110179	111179	0	0	0	0	0	0	72580	14	0	0	0	28N	38E	AGDLINITE	781
NV 26857	BWI	2560	110179	111179	0	0	0	0	0	0	72580	14	0	0	0	28N	38E	AGDLINITE	781
NV 26858	BWI	2560	110179	111179	0	0	0	0	0	0	72580	14	0	0	0	28N	38E	AGDLINITE	781
NV 26859	BWI	2520	110179	111179	0	0	0	0	0	0	72580	14	0	0	0	28N	38E	AGDLINITE	781
NV 26860	BWI	2318	110179	111179	0	0	0	0	61980	0	0	0	0	0	0	28N	38E	AGDLINITE	781
NV 26861	BWI	2531	110179	111179	0	0	0	0	61980	0	30780*	8	0	317	0	27N	38E	AGDLINITE	781
NV 26862	BWI	2513	110179	111179	0	0	0	0	61980	0	0	0	0	0	0	27N	38E	AGDLINITE	781
NV 26863	BWI	2280	110179	111179	0	0	0	0	61980	0	0	0	0	0	0	27N	38E	AGDLINITE	781
NV 26864	BWI	2155	110179	111179	0	0	0	0	61980	0	0	0	0	0	0	27N	38E	AGDLINITE	781
NV 26865	BWI	2165	110179	111179	0	0	0	0	61980	0	0	0	0	0	0	27N	38E	AGDLINITE	781
NV 26866	BWI	2560	110179	111179	0	0	0	0	61980	0	0	0	0	0	0	27N	38E	AGDLINITE	781
NV 26867	BWI	1920	110179	111179	0	0	0	0	61980	0	0	0	0	0	0	27N	38E	AGDLINITE	781
NV 26868	BWI	1920	110179	111179	0	0	0	0	61980	0	0	0	0	0	0	27N	38E	AGDLINITE	781
NV 27479	BWI	1597	120379	120779	0	0	0	0	0	0	81980	11	0	0	0	44N	27E	UNITEDSSG	781
NV 27480	BWI	2352	120379	120779	0	0	0	0	0	0	81980	11	0	0	0	44N	27E	UNITEDSSG	781
NV 27498	BWI	2156	120379	120779	0	0	0	52880	0	120180	0	0	0	0	0	26N	39E	BOOTHGM3	781
NV 27499	BWI	2212	120379	120779	0	0	0	52880	0	120180	0	0	0	0	0	26N	39E	BOOTHGM3	781
NV 28017	BWI	690	120579	0	0	0	0	0	0	0	40980	0	0	0	0	35N	41E	SPANGLELJ	781
NV 28020	BWI	1920	122079	0	0	0	0	0	0	0	0	0	0	0	0	33N	26E	WHITEFR	781
NV 28021	BWI	1587	122079	0	0	0	0	61780	0	70180	0	0	0	0	0	27N	39E	WHITEFR	781
NV 28022	BWI	1280	122079	0	0	0	0	61780	0	70180	0	0	0	0	0	27N	39E	WHITEFR	781
NV 28023	BWI	2560	122079	0	0	0	0	61780	0	70180	0	0	0	0	0	27N	39E	WHITEFR	781
NV 28024	BWI	2563	122679	0	0	0	0	0	0	0	81880	0	0	0	0	29N	41E	PAPULAKHS	781
NV 28025	BWI	2521	122679	0	0	0	0	0	0	0	81880	0	0	0	0	29N	41E	PAPULAKHS	781

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NV 28026	BWI	2560	122679	0	0	0	0	0	0	61880	0	0	0	0	29N 41E	PAPULAKHS	781	
NV 28027	BWI	2449	122679	0	0	0	0	0	0	61880	0	0	0	0	29N 42E	PAPULAKHS	781	
NV 28941	BWI	1280	20180	20580	0	0	0	0	0	0	0	0	0	0	32N 38E	SUNOCOED	781	
NV 28943	BWI	2560	20180	20580	0	0	0	62580	0	90180	0	0	0	0	34N 29E	GIRARDCE	781	
NV 28944	BWI	1920	20180	20580	0	0	0	62580	0	90180	0	0	0	0	34N 29E	GIRARDCE	781	
NV 28945	BWI	2217	20180	20580	0	0	0	62580	0	90180	80580*11	0	937	0	34N 29E	GIRARDCE	781	
NV 28946	BWI	1749	20180	20580	0	0	0	62580	0	90180	80580*11	0	409	0	35N 30E	GIRARDCE	781	
NV 28954	BWI	1280	20180	20580	0	0	0	61180	0	90180	0	0	0	0	25N 35E	UNIONOIOC	781	
NV 28955	BWI	1920	20180	20580	0	0	0	70780	0	90180	0	0	0	0	32N 39E	STEVEWALK	781	
NV 28956	BWI	1240	20180	20580	0	0	0	70780	0	90180	0	0	0	0	30N 38E	STEVEWALK	781	
NV 28957	BWI	1280	20180	20580	0	0	0	0	0	0	0	0	0	0	32N 38E	STEVEWALK	781	
NV 28958	BWI	1818	20180	20580	0	0	0	70780	0	90180	0	0	0	0	30N 39E	STEVEWALK	781	
NV 28959	BWI	1286	20180	20580	0	0	0	70780	0	90180	0	0	0	0	30N 38E	STEVEWALK	781	
NV 28960	BWI	1885	20180	20580	0	0	0	70780	0	90180	0	0	0	0	31N 38E	STEVEWALK	781	
NV 28961	BWI	1921	20180	20580	0	0	0	70780	0	90180	0	0	0	0	31N 39E	STEVEWALK	781	
NV 29548	BWI	2513	30380	30580	0	0	0	0	63080	0	0	0	0	0	25N 35E	ATLANTIRC	781	
NV 29549	BWI	2537	30380	30580	0	0	0	0	63080	0	0	0	0	0	25N 36E	ATLANTIRC	781	
NV 29550	BWI	1898	30380	30580	0	0	0	0	63080	0	51580*	9	200	0	25N 36E	ATLANTIRC	781	
NV 29551	BWI	1280	30380	30580	0	0	0	0	63080	0	0	0	0	0	25N 35E	ATLANTIRC	781	
NV 29552	BWI	2125	30380	30580	0	0	0	0	0	0	0	0	0	0	25N 31E	STUARTAE	781	
NV 29553	BWI	2560	30380	30580	0	0	0	62580	0	90180	0	0	0	0	33N 26E	STUARTAE	781	
NV 29554	BWI	2545	30380	30580	0	0	0	62580	0	90180	0	0	0	0	33N 27E	STUARTAE	781	
NV 29555	BWI	2560	30380	30580	83180	0	0	62580	0	90180	0	0	0	0	33N 27E	STUARTAE	781	
NV 29556	BWI	2520	30380	30580	0	0	0	0	0	0	51580	14	0	0	27N 40E	STUARTAE	781	
NV 29559	BWI	843	30380	51680	0	0	0	0	0	0	0	0	0	0	26N 32E	STUARTAE	781	
NV 29560	BWI	2400	30380	51680	0	0	0	0	0	0	0	0	0	0	26N 32E	STUARTAE	781	
NV 29707	BWI	2560	40180	40380	0	0	0	0	62780	0	0	0	0	0	26N 39E	WOODWARWH	781	
NV 29738	BWI	1920	40180	40380	0	0	0	102380	0	120180	0	0	0	0	33N 26E	TANKPETER	781	
NV 29740	BWI	1920	40180	40380	0	0	0	0	0	0	90480	11	0	0	33N 27E	TANKPETER	781	
NV 29741	BWI	1920	40180	40380	0	0	0	0	0	0	90480	11	0	0	33N 26E	TANKPETER	781	
NV 29742	BWI	1914	40180	40380	0	0	0	102380	0	120180	0	0	0	0	33N 27E	TANKPETER	781	
NV 29743	BWI	1920	40180	40380	0	0	0	102380	0	120180	110580*11	0	1280	0	33N 26E	TANKPETER	781	
NV 29871	BWI	1920	50180	50180	0	0	0	123180	0	20181	0	0	0	0	26N 34E	WHITEFR	781	
NV 29872	BWI	1914	50180	50180	0	0	0	123180	0	20181	0	0	0	0	26N 34E	WHITEFR	781	
NV 29873	BWI	1920	50180	50180	0	0	0	123180	0	20181	0	0	0	0	26N 34E	WHITEFR	781	
NV 29874	BWI	2549	50180	50180	0	0	0	123180	0	20181	0	0	0	0	29N 36E	HELSETHBK	781	
NV 29971	BWI	1441	60280	60480	0	0	0	0	0	0	10581*	0	0	146	0	33N 40E	ENERGCHAR	781
NV 29972	BWI	1906	60280	60480	0	0	0	0	0	0	10581*	0	0	909	0	34N 40E	ENERGCHAR	781
NV 30335	BWI	2101	70180	71280	0	0	0	0	20381	0	0	0	0	0	33N 33E	FUGEREY	781	
NV 30337	BWI	1920	70180	71280	0	0	0	30531	12381*	40181	0	0	0	0	32N 26E	TANKPETER	781	
NV 30338	BWI	1920	70180	71280	0	0	0	30381	12381*	40181	0	0	0	0	33N 27E	TANKPETER	781	
NV 30339	BWI	2560	70180	71280	0	0	0	30381	12381*	40181	0	0	0	0	33N 26E	TANKPETER	781	
NV 30340	BWI	1920	70180	71280	0	0	0	0	41481	0	122280*	9	240	0	35N 42E	TANKPETER	781	
NV 30341	BWI	2560	70180	71280	0	0	0	0	41481	0	0	0	0	0	36N 41E	TANKPETER	781	
NV 30344	BWI	2560	70180	71280	0	0	0	0	21281	0	0	0	0	0	25N 36E	SOUTHLARC	781	
NV 30345	BWI	2560	70180	71280	0	0	0	0	21281	0	0	0	0	0	25N 36E	SOUTHLARC	781	
NV 30346	BWI	1258	70180	71280	0	0	0	0	21281	0	0	0	0	0	25N 36E	SOUTHLARC	781	
NV 30523	BWI	1920	80180	80180	0	0	0	0	22681	0	0	0	0	0	29N 39E	ATLANTIRC	781	
NV 30524	BWI	1935	80180	80180	0	0	0	0	22681	0	0	0	0	0	29N 39E	ATLANTIRC	781	
NV 30525	BWI	2560	80180	10681	11281	0	0	30381	0	40181	10581*	7	372	0	34N 40E	SHANJR	781	
NV 30526	BWI	2214	80180	80180	0	0	0	0	21281	0	0	0	0	0	25N 34E	SOUTHLARC	781	
NV 30527	BWI	2015	80180	80180	0	0	0	0	21281	0	0	0	0	0	25N 34E	SOUTHLARC	781	
NV 30528	BWI	2400	80180	80180	0	0	0	0	21281	0	0	0	0	0	25N 34E	SOUTHLARC	781	
NV 30529	BWI	1280	80180	80180	0	0	0	0	21281	0	0	0	0	0	26N 34E	ATLANTIRC	781	
NV 30537	BWI	1261	80180	80180	0	0	0	31381	0	50181	0	0	0	0	25N 35E	ATLANTIRC	781	

APPENDIX A Continued

NV 30538	BWI 1498	80180	80180	0	0	0	31381	0	50181	0	0	0	0	0	25N 36E	ATLANTIRC	781
NV 30539	BWI 2537	80180	80180	0	0	0	31381	0	50181	10581*11	0	1257	0	0	25N 36E	ATLANTIRC	781
NV 30540	BWI 2159	80180	80180	0	0	0	31361	0	50181	0	0	0	0	0	34N 29E	ATLANTIRC	781
NV 30542	BWI 2513	80180	80180	0	0	0	31381	0	50181	0	0	0	0	0	25N 35E	ATLANTIRC	781
NV 30717	BWI 2418	90280	90480	0	0	0	0	62381*	0	0	0	0	0	1200	28N 39E	AGDLIMITE	781
NV 30718	BWI 2343	90280	90480	0	0	0	0	62381*	0	0	0	0	0	91183	29N 39E	AGDLIMITE	781
NV 30719	BWI 2542	90280	90480	0	0	0	33181	52281	0	0	0	0	0	0	29N 39E	AGDLIMITE	781
NV 30720	BWI 2560	90280	90480	0	0	0	33181	52281	0	0	0	0	0	0	29N 39E	AGDLIMITE	781
NV 30721	BWI 2502	90280	90480	0	0	0	33181	0	0	0	0	0	0	0	28N 40E	AGDLIMITE	781
NV 30722	BWI 2411	90280	90480	0	0	0	0	62381*	0	0	0	0	0	91770	28N 38E	AGDLIMITE	781
NV 30723	BWI 2560	90280	90480	0	0	0	0	62381*	0	0	0	0	0	0	28N 38E	AGDLIMITE	781
NV 30724	BWI 2560	90280	90480	0	0	0	33181	52281	0	0	0	0	0	0	28N 38E	AGDLIMITE	781
NV 30725	BWI 2520	90280	90480	0	0	0	33181	52281	0	0	0	0	0	0	28N 38E	AGDLIMITE	781
NV 30726	BWI 2503	90280	90480	0	0	0	33181	0	0	0	0	0	0	0	27N 39E	AGDLIMITE	781
NV 30740	BWI 1919	90280	90480	0	0	0	0	21281	0	0	0	0	0	0	25N 36E	SOUTHLARC	781
NV 30741	BWI 1921	90280	90480	0	0	0	0	21281	0	0	0	0	0	0	25N 36E	SOUTHLARC	781
NV 30742	BWI 1278	90280	90480	0	0	0	0	21281	0	0	0	0	0	0	25N 36E	SOUTHLARC	781
NV 30953	BWI 2537	100180	100380	0	0	0	32681	0	60181	0	0	0	0	0	44N 27E	CONTINEGC	781
NV 31995	BWI 1260	20281	0	0	0	0	0	0	0	0	0	0	0	0	25N 35E	ATLANTIRC	781
NV 32750	BWI 1280	40181	0	0	0	0	0	0	0	0	0	0	0	0	45N 27E	EARTHPOPC	781
NV 32751	BWI 2510	40181	0	0	0	0	0	0	0	0	0	0	0	0	44N 27E	UNITEDSSG	781
NV 32752	BWI 1280	40181	0	0	0	0	0	0	0	0	0	0	0	0	47N 30E	UNITEDSSG	781
NV 33340	BWI 619	60181	0	0	0	0	0	0	0	0	0	0	0	0	35N 30E	BLACKHOGC	781

APPENDIX B

HEISE HOT SPRINGS, IDAHO, STUDY AREA

SERIAL	AG/ ST NO	SA	ACRE	APPLN TO D/F	FROM D/F	TO GS	FROM GS	CLRLST	APPLN WITHDRWN	LEASE ISSUED	APPLN REJECTD	REA- SON	ACRES REJ WDN	LAND DESCRIP	APPLICANT NAME	LAST UPDT
ID 7657	BHE	1399	13174	0	0	0	0	0	0	0	0	0	0	0	3N 41E	CHEVROUSA 979
ID 8326	BHE	1897	41974	61374	0	0	0	0	112680	0	52375*	8 9	354	0	4N 40E	CHEVROUSA 781
ID 8327	BHE	1399	41974	61374	0	0	0	0	112680	0	52375*	8 0	71	0	3N 41E	CHEVROUSA 781
ID 8328	BHE	2001	41974	61374	0	0	0	0	112680	0	52375*	8 0	23	0	4N 41E	CHEVROUSA 781
ID 9519	BHE	768	53075	92575	0	0	0	0	112680	0	0	0 0	0	0	3N 41E	CHEVROUSA 781

APPENDIX C

PRE-LEASE NOI PERMITS IN NEVADA FOR WHICH NO LAND
DESCRIPTION WAS GIVEN

Augusta Mts.
2

Clan Alpine Mts.
1

Gerlach
17

Baltazor
6

Crescent Valley
17

Gold Butte
1

Battle Mt.
3

Denio Area
6

Grass Valley
7

Beowawe
12

Dixie Valley
20

Hot Springs Point
1

Black Rock Desert Area
11

Double Hot Springs
2

Hot Springs Ranch
3

Blue Wing-Sonoma
2

Dyke Hot Springs
1

Hot Sulphur Springs
1

Brady Hot Springs
12

Eden Valley
1

Independence Valley
1

Buena Vista Valley
3

Elko KGRA
2

Jersey Valley
8

Buffalo Valley
2

Fly Ranch
2

Jungo Hills
3

Carson Sink
1

Gabbs Valley
3

Kyle Hot Springs
12

NEVADA

Leach Hot Springs
26

Rock Springs
1

Springs Valley
1

Lovelock Area
1

Ruby Valley
4

Steptoe Valley
7

McDermott Area
2

Rye Patch
11

Stillwater-Soda Lake
2

McFarland's Bath House
2

Salt Wells Basin
5

Stonier's Hot Springs
1

McGee Mtn.
6

San Emidio
36

Sulphur Area
4

Owyhee Desert
2

Sheep Creek Range
2

Swales Valley
2

Pinto KGRA
6

Soda Lake
1

Washoe-Pershing Co.
1

Potts Valley
1

Spanish Ranch
1

Whirlwind Valley
5

Pueblo Mtn.
2

Smoke Creek Desert
2

Whitehorse Mts.
1

Pumpnickel-Buffalo Valley
3

Steamboat KGRA
2

Wilson Hot Springs
7

Reese River
1

Steamboat-Wabuska
1

APPENDIX D

HISTOGRAMS ILLUSTRATING FULL BLM AND FS NON-
COMPETITIVE LEASING PERFORMANCE

BLM

HISTOGRAM FOR APPLICATION TO SENDING TO D/F

WKS	APPL
10 I	863 I*****
20 I	305 I*****
30 I	131 I*****
40 I	102 I*****
50 I	86 I*****
60 I	154 I*****
70 I	26 I***
80 I	12 I**
90 I	25 I***
100 I	45 I*****
110 I	8 I*
120 I	20 I**
130 I	17 I**
140 I	13 I**
150 I	60 I*****
160 I	2 I*
170 I	6 I*
180 I	0 I
190 I	8 I*
200 I	5 I*
210 I	4 I*
220 I	3 I*
230 I	3 I*
240 I	0 I
250 I	5 I*
260 I	3 I*
270 I	0 I
280 I	4 I*
290 I	3 I*
300 I	0 I
310 I	0 I
320 I	0 I
330 I	0 I
340 I	4 I*

1917

HISTOGRAM FOR SENDING TO D/F TO RETURN TO STATE

WKS	APPL
10 I	421 I*****
20 I	73 I*****
30 I	71 I*****
40 I	25 I***
50 I	23 I***
60 I	57 I*****
70 I	23 I***
80 I	41 I*****
90 I	17 I**
100 I	22 I***
110 I	10 I*
120 I	16 I**
130 I	35 I*****
140 I	7 I*
150 I	6 I*
160 I	5 I*
170 I	20 I**
180 I	0 I
190 I	4 I*
200 I	1 I*
210 I	1 I*
220 I	8 I*
230 I	8 I*
240 I	15 I**
250 I	5 I*
260 I	5 I*
270 I	9 I*
280 I	1 I*
290 I	2 I*
300 I	0 I
310 I	2 I*
320 I	1 I*
330 I	0 I
340 I	9 I*
350 I	0 I
360 I	0 I
370 I	1 I*

944

HISTOGRAM FOR RETURNED FROM D/F TO SENDING TO GS

WKS	APPL
10 I	278 I*****
20 I	105 I*****
30 I	27 I***
40 I	36 I*****
50 I	9 I*
60 I	11 I**
70 I	4 I*
80 I	0 I
90 I	1 I*
100 I	0 I
110 I	9 I*
120 I	1 I*
130 I	0 I
140 I	0 I
150 I	6 I*
160 I	0 I
170 I	0 I
180 I	1 I*
190 I	0 I
200 I	1 I*

489

BLM

HISTOGRAM FOR SENDING TO GS TO RETURN TO STATE

WKS	APPL
10 I	1000 I*****
20 I	75 I*****
30 I	19 I**
40 I	15 I**
50 I	9 I*
60 I	16 I**
70 I	24 I***
80 I	9 I*
90 I	2 I*
100 I	1 I*
110 I	0 I
120 I	0 I
130 I	2 I*
140 I	2 I*
150 I	0 I
160 I	1 I*
170 I	0 I
180 I	1 I*
190 I	2 I*
200 I	0 I
210 I	0 I
220 I	1 I*
230 I	0 I
240 I	0 I
250 I	0 I
260 I	0 I
270 I	0 I
280 I	0 I
290 I	0 I
300 I	1 I*

1180

HISTOGRAM FOR RETURNED FROM GS TO CLEARLIST

WKS	APPL
10 I	767 I*****
20 I	92 I*****
30 I	38 I***
40 I	10 I*
50 I	4 I*
60 I	9 I*
70 I	2 I*
80 I	0 I
90 I	0 I
100 I	11 I**
110 I	2 I*
120 I	0 I
130 I	2 I*
140 I	0 I
150 I	0 I
160 I	3 I*
170 I	0 I
180 I	0 I
190 I	0 I
200 I	0 I
210 I	0 I
220 I	0 I
230 I	1 I*

941

HISTOGRAM FOR CLEARLIST TO ISSUANCE

WKS	APPL	
10 I	1181	I*****
20 I	52	I*****
30 I	18	I**
40 I	0	I
50 I	10	I*
60 I	2	I*
70 I	0	I
80 I	4	I*
90 I	0	I
100 I	0	I
110 I	1	I*

 1268

HISTOGRAM FOR CLEARLIST TO REJECTION

WKS	APPL	
120 I	1	I*
130 I	0	I
140 I	0	I
150 I	0	I
160 I	0	I
170 I	0	I
180 I	0	I
190 I	0	I
200 I	1	I*

 2

BLM

HISTOGRAM FOR APPLICATION TO WITHDRAWAL

WKS	APPL
10 I	251 I*****
20 I	193 I*****
30 I	253 I*****
40 I	145 I*****
50 I	114 I*****
60 I	228 I*****
70 I	86 I*****
80 I	37 I****
90 I	43 I*****
100 I	52 I*****
110 I	80 I*****
120 I	26 I***
130 I	31 I****
140 I	20 I**
150 I	5 I*
160 I	20 I**
170 I	10 I*
180 I	23 I***
190 I	6 I*
200 I	3 I*
210 I	9 I*
220 I	22 I***
230 I	13 I**
240 I	15 I**
250 I	7 I*
260 I	3 I*
270 I	11 I**
280 I	1 I*
290 I	2 I*
300 I	0 I
310 I	3 I*
320 I	1 I*
330 I	3 I*
340 I	0 I
350 I	3 I*
360 I	0 I
370 I	10 I*
380 I	9 I*

1738

HISTOGRAM FOR APPLICATION TO ISSUANCE

WKS	APPL
10 I	10 I*
20 I	93 I*****
30 I	204 I*****
40 I	226 I*****
50 I	133 I*****
60 I	101 I*****
70 I	167 I*****
80 I	151 I*****
90 I	65 I*****
100 I	61 I*****
110 I	36 I****
120 I	56 I*****
130 I	100 I*****
140 I	31 I****
150 I	22 I***
160 I	14 I**
170 I	6 I*
180 I	31 I****
190 I	28 I***
200 I	17 I**
210 I	9 I*
220 I	10 I*
230 I	22 I***
240 I	6 I*
250 I	8 I*
260 I	17 I**
270 I	6 I*
280 I	8 I*
290 I	8 I*
300 I	8 I*
310 I	8 I*
320 I	6 I*
330 I	4 I*
340 I	0 I
350 I	1 I*
360 I	0 I
370 I	0 I
380 I	1 I*
390 I	5 I*

1681

HISTOGRAM FOR APPLICATION TO REJECTION

WKS	APPL
10 I	121 I*****
20 I	185 I*****
30 I	145 I*****
40 I	63 I*****
50 I	20 I**
60 I	49 I*****
70 I	34 I****
80 I	81 I*****
90 I	8 I*
100 I	17 I**
110 I	17 I**
120 I	13 I**
130 I	7 I*
140 I	3 I*
150 I	4 I*
160 I	2 I*
170 I	0 I
180 I	6 I*
190 I	1 I*
200 I	4 I*
210 I	3 I*
220 I	2 I*
230 I	5 I*
240 I	2 I*
250 I	1 I*
260 I	3 I*
270 I	1 I*
280 I	0 I
290 I	0 I
300 I	0 I
310 I	0 I
320 I	1 I*
330 I	0 I
340 I	0 I
350 I	1 I*
360 I	1 I*
370 I	1 I*
380 I	3 I*

804

HISTOGRAM FOR APPLICATION AND STILL PENDING

WKS	APPL
10 I	22 I***
20 I	33 I****
30 I	12 I**
40 I	29 I***
50 I	4 I*
60 I	5 I*
70 I	8 I*
80 I	3 I*
90 I	13 I**
100 I	0 I
110 I	2 I*
120 I	4 I*
130 I	4 I*
140 I	8 I*
150 I	1 I*
160 I	4 I*
170 I	1 I*
180 I	6 I*
190 I	2 I*
200 I	7 I*
210 I	1 I*
220 I	2 I*
230 I	3 I*
240 I	0 I
250 I	0 I
260 I	0 I
270 I	0 I
280 I	0 I
290 I	0 I
300 I	1 I*
310 I	1 I*
320 I	2 I*
330 I	1 I*
340 I	2 I*
350 I	0 I
360 I	2 I*
370 I	0 I
380 I	1 I*
390 I	3 I*
400 I	10 I*

197

BLM

HISTOGRAM FOR SENT TO D/F AND STILL PENDING

WKS	APPL
10 I	8 I*
20 I	26 I***
30 I	49 I*****
40 I	14 I**
50 I	39 I****
60 I	15 I**
70 I	24 I***
80 I	18 I**
90 I	8 I*
100 I	17 I**
110 I	6 I*
120 I	0 I
130 I	9 I*
140 I	0 I
150 I	16 I**
160 I	1 I*
170 I	0 I
180 I	2 I*
190 I	19 I**
200 I	0 I
210 I	4 I*
220 I	4 I*
230 I	0 I
240 I	0 I
250 I	55 I*****
260 I	49 I*****
270 I	9 I*
280 I	9 I*
290 I	0 I
300 I	0 I
310 I	0 I
320 I	0 I
330 I	0 I
340 I	2 I*
350 I	1 I*
360 I	0 I
370 I	0 I
380 I	1 I*
390 I	5 I*
400 I	1 I*

411

HISTOGRAM FOR RETURNED FROM D/F AND STILL PENDING

WKS	APPL
10 I	1 I*
20 I	8 I*
30 I	2 I*
40 I	4 I*
50 I	5 I*
60 I	7 I*
70 I	2 I*
80 I	1 I*
90 I	7 I*
100 I	0 I
110 I	0 I
120 I	0 I
130 I	0 I
140 I	0 I
150 I	0 I
160 I	0 I
170 I	0 I
180 I	1 I*
190 I	2 I*
200 I	0 I
210 I	0 I
220 I	0 I
230 I	0 I
240 I	0 I
250 I	0 I
260 I	0 I
270 I	0 I
280 I	0 I
290 I	2 I*
300 I	0 I
310 I	0 I
320 I	0 I
330 I	4 I*
340 I	0 I
350 I	0 I
360 I	0 I
370 I	1 I*

47

HISTOGRAM FOR SENT TO GS AND STILL PENDING

WKS	APPL
10 I	19 I**
20 I	2 I*
30 I	1 I*
40 I	0 I
50 I	0 I
60 I	0 I
70 I	0 I
80 I	0 I
90 I	0 I
100 I	0 I
110 I	1 I*
120 I	0 I
130 I	0 I
140 I	0 I
150 I	0 I
160 I	0 I
170 I	0 I
180 I	0 I
190 I	0 I
200 I	0 I
210 I	0 I
220 I	0 I
230 I	0 I
240 I	0 I
250 I	0 I
260 I	0 I
270 I	0 I
280 I	0 I
290 I	0 I
300 I	0 I
310 I	0 I
320 I	0 I
330 I	0 I
340 I	1 I*

24

HISTOGRAM FOR RETURNED FROM GS AND STILL PENDING

WKS	APPL
10 I	17 I**
20 I	5 I*

22

HISTOGRAM FOR CLEARLISTED AND STILL PENDING

WKS	APPL
10 I	2 I*
20 I	4 I*
30 I	5 I*
40 I	0 I
50 I	0 I
60 I	0 I
70 I	1 I*
80 I	1 I*
90 I	0 I
100 I	0 I
110 I	0 I
120 I	0 I
130 I	0 I
140 I	0 I
150 I	0 I
160 I	0 I
170 I	0 I
180 I	0 I
190 I	0 I
200 I	0 I
210 I	0 I
220 I	0 I
230 I	0 I
240 I	0 I
250 I	0 I
260 I	0 I
270 I	1 I*
280 I	0 I
290 I	0 I
300 I	0 I
310 I	0 I
320 I	1 I*
330 I	0 I
340 I	1 I*

16

FOREST SERVICE

HISTOGRAM FOR APPLICATION TO SENDING TO D/F

WKS	APPL
10 I	1094 I*****
20 I	104 I*****
30 I	108 I*****
40 I	79 I*****
50 I	77 I*****
60 I	55 I*****
70 I	46 I*****
80 I	31 I*****
90 I	13 I**
100 I	5 I*
110 I	14 I**
120 I	3 I*
130 I	19 I**
140 I	26 I***
150 I	34 I****
160 I	13 I**
170 I	0 I
180 I	0 I
190 I	0 I
200 I	13 I**
210 I	1 I*
220 I	0 I
230 I	0 I
240 I	0 I
250 I	1 I*

1736	

HISTOGRAM FOR SENDING TO D/F TO RETURN TO STATE

WKS	APPL
10 I	7 I*
20 I	30 I***
30 I	11 I**
40 I	14 I**
50 I	11 I**
60 I	4 I*
70 I	12 I**
80 I	6 I*
90 I	8 I*
100 I	5 I*
110 I	0 I
120 I	0 I
130 I	6 I*
140 I	3 I*
150 I	2 I*
160 I	1 I*
170 I	13 I**
180 I	1 I*
190 I	0 I
200 I	4 I*
210 I	0 I
220 I	2 I*
230 I	10 I*
240 I	15 I**
250 I	1 I*
260 I	0 I
270 I	4 I*
280 I	14 I**
290 I	0 I
300 I	6 I*
310 I	1 I*
320 I	15 I**
330 I	38 I****
340 I	7 I*
350 I	0 I
360 I	1 I*
370 I	1 I*
380 I	2 I*

FOREST SERVICE

HISTOGRAM FOR RETURNED FROM D/F TO SENDING TO GS

WKS	APPL
10 I	72 I*****
20 I	24 I***
30 I	1 I*
40 I	5 I*
50 I	2 I*
60 I	1 I*
70 I	0 I
80 I	1 I*
90 I	0 I
100 I	0 I
110 I	1 I*
120 I	0 I
130 I	0 I
140 I	1 I*

108

HISTOGRAM FOR SENDING TO GS TO RETURN TO STATE

WKS	APPL
10 I	108 I*****
20 I	7 I*
30 I	1 I*

116

HISTOGRAM FOR RETURNED FROM GS TO CLEARLIST

WKS	APPL
10 I	23 I***
20 I	13 I**
30 I	6 I*
40 I	0 I
50 I	2 I*
60 I	0 I
70 I	0 I
80 I	1 I*
90 I	0 I
100 I	1 I*

46

FOREST SERVICE

HISTOGRAM FOR CLEARLIST TO ISSUANCE

WKS	APPL
10 I	54 I*****
20 I	1 I*
30 I	1 I*
40 I	0 I
50 I	0 I
60 I	0 I
70 I	0 I
80 I	0 I
90 I	1 I*
100 I	1 I*
110 I	1 I*
120 I	0 I
130 I	0 I
140 I	0 I
150 I	1 I*
--	
60	

HISTOGRAM FOR CLEARLIST TO REJECTION

WKS	APPL
30 I	2 I*
40 I	0 I
50 I	0 I
60 I	0 I
70 I	0 I
80 I	0 I
90 I	0 I
100 I	0 I
110 I	0 I
120 I	0 I
130 I	0 I
140 I	0 I
150 I	0 I
160 I	0 I
170 I	0 I
180 I	1 I*
190 I	0 I
200 I	0 I
210 I	0 I
220 I	0 I
230 I	0 I
240 I	1 I*
--	
4	

FOREST SERVICE

HISTOGRAM FOR APPLICATION TO WITHDRAWAL

WKS	APPL
10 I	95 I*****
20 I	50 I*****
30 I	124 I*****
40 I	5 I*
50 I	83 I*****
60 I	33 I****
70 I	22 I***
80 I	41 I*****
90 I	31 I*****
100 I	19 I**
110 I	50 I*****
120 I	10 I*
130 I	69 I*****
140 I	15 I**
150 I	12 I**
160 I	21 I***
170 I	19 I**
180 I	3 I*
190 I	7 I*
200 I	8 I*
210 I	11 I**
220 I	7 I*
230 I	3 I*
240 I	1 I*
250 I	0 I
260 I	0 I
270 I	0 I
280 I	0 I
290 I	0 I
300 I	1 I*
310 I	4 I*
320 I	5 I*
330 I	2 I*
340 I	33 I****
350 I	3 I*
360 I	2 I*
370 I	0 I
380 I	1 I*

790

HISTOGRAM FOR APPLICATION TO ISSUANCE

WKS	APPL
30 I	1 I*
40 I	0 I
50 I	5 I*
60 I	1 I*
70 I	1 I*
80 I	11 I**
90 I	5 I*
100 I	5 I*
110 I	4 I*
120 I	1 I*
130 I	0 I
140 I	6 I*
150 I	2 I*
160 I	2 I*
170 I	0 I
180 I	2 I*
190 I	4 I*
200 I	0 I
210 I	1 I*
220 I	1 I*
230 I	0 I
240 I	1 I*
250 I	1 I*
260 I	0 I
270 I	7 I*
280 I	3 I*
290 I	5 I*
300 I	1 I*
310 I	1 I*
320 I	1 I*
330 I	0 I
340 I	2 I*
350 I	2 I*
360 I	0 I
370 I	1 I*
380 I	3 I*

80

FOREST SERVICE

HISTOGRAM FOR APPLICATION TO REJECTION

WKS	APPL
10 I	28 I***
20 I	42 I*****
30 I	40 I*****
40 I	12 I**
50 I	5 I*
60 I	8 I*
70 I	5 I*
80 I	7 I*
90 I	5 I*
100 I	2 I*
110 I	0 I
120 I	0 I
130 I	5 I*
140 I	0 I
150 I	1 I*
160 I	1 I*
170 I	1 I*
180 I	1 I*
190 I	0 I
200 I	1 I*
210 I	0 I
220 I	0 I
230 I	1 I*
240 I	1 I*
250 I	0 I
260 I	1 I*
270 I	1 I*
280 I	1 I*
290 I	2 I*
300 I	0 I
310 I	0 I
320 I	2 I*
330 I	7 I*
340 I	0 I
350 I	0 I
360 I	0 I
370 I	0 I
380 I	8 I*

188

HISTOGRAM FOR APPLICATION AND STILL PENDING

WKS	APPL
20 I	23 I***
30 I	0 I
40 I	0 I
50 I	2 I*
60 I	10 I*
70 I	1 I*
80 I	37 I*****
90 I	0 I
100 I	0 I
110 I	0 I
120 I	0 I
130 I	0 I
140 I	0 I
150 I	0 I
160 I	0 I
170 I	10 I*
180 I	4 I*
190 I	1 I*
200 I	0 I
210 I	0 I
220 I	1 I*
230 I	3 I*
240 I	0 I
250 I	0 I
260 I	0 I
270 I	0 I
280 I	0 I
290 I	0 I
300 I	0 I
310 I	0 I
320 I	0 I
330 I	4 I*
340 I	7 I*
350 I	1 I*
360 I	0 I
370 I	0 I
380 I	0 I
390 I	5 I*
400 I	6 I*

115

FOREST SERVICE

HISTOGRAM FOR SENT TO D/F AND STILL PENDING

WKS	APPL
10 I	2 I*
20 I	25 I***
30 I	53 I*****
40 I	2 I*
50 I	23 I***
60 I	16 I**
70 I	25 I***
80 I	17 I**
90 I	29 I***
100 I	50 I*****
110 I	16 I**
120 I	8 I*
130 I	18 I**
140 I	9 I*
150 I	35 I****
160 I	7 I*
170 I	33 I****
180 I	17 I**
190 I	9 I*
200 I	29 I***
210 I	2 I*
220 I	13 I**
230 I	4 I*
240 I	3 I*
250 I	35 I****
260 I	16 I**
270 I	1 I*
280 I	15 I**
290 I	10 I*
300 I	17 I**
310 I	4 I*
320 I	35 I****
330 I	17 I**
340 I	43 I*****
350 I	42 I*****
360 I	3 I*
370 I	34 I****
380 I	12 I**
390 I	67 I*****
400 I	104 I*****

900

HISTOGRAM FOR RETURNED FROM D/F AND STILL PENDING

WKS	APPL
10 I	2 I*
20 I	2 I*
30 I	0 I
40 I	5 I*
50 I	0 I
60 I	2 I*
70 I	10 I*
80 I	0 I
90 I	0 I
100 I	0 I
110 I	1 I*
120 I	0 I
130 I	0 I
140 I	0 I
150 I	0 I
160 I	3 I*
170 I	0 I
180 I	4 I*
190 I	11 I**
200 I	6 I*
210 I	1 I*
220 I	7 I*
230 I	1 I*
240 I	1 I*
250 I	0 I
260 I	0 I
270 I	0 I
280 I	0 I
290 I	0 I
300 I	0 I
310 I	0 I
320 I	1 I*
330 I	6 I*

63

FOREST SERVICE

HISTOGRAM FOR SENT TO GS AND STILL PENDING

WKS	APPL
10 I	2 I*

	2

HISTOGRAM FOR RETURNED FROM GS AND STILL PENDING

WKS	APPL
10 I	1 I*
20 I	15 I**
30 I	0 I
40 I	0 I
50 I	0 I
60 I	20 I**
70 I	10 I*
80 I	0 I
90 I	0 I
100 I	1 I*
110 I	2 I*
120 I	0 I
130 I	0 I
140 I	1 I*
150 I	0 I
160 I	0 I
170 I	2 I*
180 I	0 I
190 I	0 I
200 I	0 I
210 I	0 I
220 I	0 I
230 I	0 I
240 I	0 I
250 I	0 I
260 I	0 I
270 I	0 I
280 I	0 I
290 I	0 I
300 I	0 I
310 I	0 I
320 I	0 I
330 I	1 I*

53

HISTOGRAM FOR CLEARLISTED AND STILL PENDING

WKS	APPL
250 I	1 I*
260 I	1 I*
270 I	0 I
280 I	0 I
290 I	0 I
300 I	0 I
310 I	0 I
320 I	17 I**
330 I	18 I**
340 I	44 I*****
350 I	11 I**
360 I	1 I*
370 I	7 I*
380 I	21 I***

121

APPENDIX E

PROFILES OF GEOTHERMAL LEASING/PERMITTING
PATTERNS BY AREA

STUDY AREA: BU

STATE: ARIZONA
BURRO CREEK

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
5	12622	PAR: 0 TOT: 0	0	PAR: 0 TOT: 0	0	0	0	5	12622	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUAL

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
---------------------------	-----------------------	----------------------------	--------------------------------

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

1

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: CO

STATE: ARIZONA
COCONINO FOREST

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
6	15246	PAR: 0 TOT: 0	0	PAR: 0 TOT: 0	0	0	0	6	15246	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

CHEVRON USA, INC.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
---------------------------	-----------------------	----------------------------	--------------------------------

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
---------------	---------	-------------------------

STUDY AREA: FL

STATE: ARIZONA
FLAGSTAFF

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
68	136628	PAR: 0 TOT: 5	8561	PAR: 3 TOT: 8	22280	0	0	55	105787	0	0	0	0

REASONS FOR REJECTION
NO. CODE

7 - 4
3 - 8
1 - 10
1 - 14

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

HUNT ENERGY CO.
CHEVRON USA, INC.
HUNT FAMILY

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
---------------------------	-----------------------	----------------------------	--------------------------------

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO. ACREAGE	DRILLING PERMITS NO.
-----------------------	-------------------------

STUDY AREA: GI

STATE: ARIZONA
GILA BOX

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
15	28009	PAR: 0 TOT: 0	0	PAR: 6 TOT: 5	9994	4	7608	6	10407	0	0	4	7608

REASONS FOR REJECTION
NO. CODE

6 - 2
4 - 9
3 - 8
1 - 1

NON-COMPETITIVE LESSEES

PHILLIPS PETROLEUM CO.

OTHER APPLICANTS

UNION OIL CO. OF CA.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

71 73 74

COMPETITIVE LEASING ACTIVITY IN KGRA: CL

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
1	780	0	0	0	0	0	0

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMS

2

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

1

STUDY AREA: HA (see also VM)

STATE: ARIZONA
HASSAYAMPA PLAIN
(VULTURE MINE)

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
		PAR: 0		PAR: 0									
5	6965	TOT: 2	3200	TOT: 0	0	2	3200	1	565	0	0	2	3200

REASONS FOR REJECTION
NO. CODE

4 - 9
3 - 8
1 - 1

NON-COMPETITIVE LESSEES

INDIVIDUALS

OTHER APPLICANTS

INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

18 18 18

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
---------------------------	-----------------------	----------------------------	--------------------------------

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

1

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
---------------	---------	-------------------------

1 1202 0

STUDY AREA: NA

STATE: ARIZONA
NOT ASSIGNED TO A
STUDY AREA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
4	2849	PAR: 0 TOT: 1	699	PAR: 0 TOT: 0	0	0	0	3	2150	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

ATLANTIC RICHFIELD CO.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
---------------------------	-----------------------	----------------------------	--------------------------------

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

4

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
2	2557	3

STUDY AREA: RO

STATE: ARIZONA
ROSKRUGE MTS.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
3	7520	PAR: 0 TOT: 0	0	PAR: 0 TOT: 3	7520	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

3 - 4

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

INDIVIDUAL

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
---------------------------	-----------------------	----------------------------	--------------------------------

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: SB

STATE: ARIZONA
SAN BERNARDINO

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
11	19800	PAR: 1 TOT: 4	7045	PAR: 0 TOT: 0	0	0	0	7	12755	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

SOUTHLAND ROYALTY CO.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
---------------------------	-----------------------	----------------------------	--------------------------------

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
15	31076	0

STUDY AREA: SJ

STATE: ARIZONA
SAN JOSE WASH

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
8	20358	PAR: 0 TOT: 8	0 20358	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

AMAX EXPLORATION, INC.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
---------------------------	-----------------------	----------------------------	--------------------------------

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

1

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: UN

STATE: ARIZONA
UNNAMED

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
18	39294	PAR: 0 TOT: 2	2909	PAR: 0 TOT: 16	36385	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

16 - 4

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

THE ANSCHUTZ CORP.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
---------------------------	-----------------------	----------------------------	--------------------------------

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
---------------	---------	-------------------------

STUDY AREA: VM (See also HA)

STATE: ARIZONA
VULTURE MINE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC UNDER LEASES	AC UNDER LEASE
9	14699	PAR: 0 TOT: 1	640	PAR: 0 TOT: 2	2866	6	11193	0	0	0	0	6	11193

REASONS FOR REJECTION
NO. CODE

1 - 1
1 - 3

NON-COMPETITIVE LESSEES

INDIVIDUALS

OTHER APPLICANTS

INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

57 95 123

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO. ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: AM (See also BR)

STATE: CALIFORNIA
AMBOY

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
19	36032	PAR: 0 TOT: 9	17606	PAR: 1 TOT: 0	628	0	0	10	17798	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 8
1 - 9

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

ANADARKO PRODUCTION CO.
NATOMAS CO.
PHILLIPS PETROLEUM CO.
SOUTHLAND ROYALTY CO.
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS	BID TRACTS	TERM/RELING NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DILLING PERMITS NO.
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STUDY AREA: AN

STATE: CALIFORNIA
ANGELES

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
14	35840	PAR: 0 TOT: 14	0 35840	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY
NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY
NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: AZ

STATE: CALIFORNIA
ANZA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
3	7480	PAR: 2 TOT: 1	4801	PAR: 0 TOT: 2	2879	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

2 - 12

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

AMERICAN THERMAL RESOURCES, INC.
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

POST-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

NO. NOI'S NO. APD'S

2

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: BC

STATE: CALIFORNIA
BECKWORTH

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
3	3855	PAR: 0 TOT: 0	0	PAR: 1 TOT: 0	400	0	0	3	3455	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 8

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: BE

STATE: CALIFORNIA
BEND

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
9	19803	PAR: 0 TOT: 0	0	PAR: 5 TOT: 1	4297	0	0	8	15506	0	0	0	0

REASONS FOR REJECTION
NO. CODE

5 - 9

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN' AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: BF

STATE: CALIFORNIA
BIG FOOT MT.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
11	16204	PAR: 0 TOT: 11	16204	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

PHILLIPS PETROLEUM CO.
HUNT FAMILY

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: BO

STATE: CALIFORNIA
BODIE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
23	39614	PAR: 0 TOT: 6	10989	PAR: 4 TOT: 0	1963	0	0	17	26662	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 5

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

CALIFORNIA GEOTHERMAL, INC.
UTAH INTERNATIONAL, INC.
PHILLIPS PETROLEUM CO.
FRANCANA RESOURCES, INC.
STATE OF CALIFORNIA

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

2

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO. ACREAGE	DRILLING PERMITS NO.
-----------------------	-------------------------

STUDY AREA: BR (See also AM)

STATE: CALIFORNIA
BRISTOL

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRN	ACREAGE WITHDRN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
31	71519	PAR: 0 TOT: 30	68959	PAR: 0 TOT: 0	0	0	0	1	2560	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

PHILLIPS PETROLEUM CO.
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

3

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: CD (See also PC)

STATE: CALIFORNIA
CADDY MT.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
4	9576	PAR: 0 TOT: 0	0	PAR: 0 TOT: 0	0	4	9576	0	0	0	0	4	9576

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

ANADARKO PRODUCTION CO.

383 383 383

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

POST-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: CM

STATE: CALIFORNIA
COW MT.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC UNDER LEASES	LEASE
3	1711	PAR: 0 TOT: 3	1711	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: CO (See also OL)

STATE: CALIFORNIA
COSO

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
73	157464	PAR: 1 TOT: 25	52112	PAR: 6 TOT: 31	75420	0	0	17	29932	0	0	0	0

REASONS FOR REJECTION
NO. CODE

20 - 10
8 - 5
4 - 8
1 - 14

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

SULPHUR RIVER EXPLORATION, INC.
SUNOCO ENERGY DEVELOPMENT CO.
SUPRON ENERGY CORP.
GETTY OIL CO.
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

POST-LEASE ACTIVITY

NO. NOI'S/PROS PMS

NO. NOI'S NO. APD'S

4

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: DU (See also GL)

STATE: CALIFORNIA
DUNES

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
34	64595	PAR: 0 TOT: 32	62673	PAR: 0 TOT: 0	0	0	0	2	1922	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

SUNOCO ENERGY DEVELOPMENT CO.
SUN OIL CO.
REPUBLIC GEOTHERMAL, INC.
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

1

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: EM

STATE: CALIFORNIA
EAST MESA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
40	84374	PAR: 1 TOT: 8	17112	PAR: 3 TOT: 1	1831	0	0	31	65431	0	0	0	0

REASONS FOR REJECTION
NO. CODE

2 - 5
2 - 9

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

REPUBLIC GEOTHERMAL, INC.
PHILLIPS PETROLEUM CO.
OCCIDENTAL GEOTHERMAL, INC.
CITY OF BURBANK
INDIVIDUALS

CA

COMPETITIVE LEASING ACTIVITY IN KGRA: EM

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELING NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
14	30169	9	18489	0	0	9	18489

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

6

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

7

22

COMPETITIVE LESSEES

REPUBLIC GEOTHERMAL, INC.
MAGMA POWER CO.
UNION OIL CO. OF CA
REPUBLIC GEOTHERMAL, INC. AND
CITY OF BURBANK

OTHER BIDDERS

SUPRON ENERGY CORP.
THERMAL POWER CO.

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: FL

STATE: CALIFORNIA
FORD'S DRY LAKE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
5	12277	PAR: 0 TOT: 3	7157	PAR: 0 TOT: 2	5120	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

2 - 5

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

PHILLIPS PETROLEUM CO.
REPUBLIC GEOTHERMAL, INC.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

5

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: GE

STATE: CALIFORNIA
THE GEYSERS

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
173	320014	PAR: 1 TOT: 103	190970	PAR: 4 TOT: 65	121516	0	0	5	7528	0	0	0	0

REASONS FOR REJECTION
NO. CODE

7 - 5

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

GEOTHERMAL RESOURCES INTERNATIONAL
ENERGY PARTNERS 1974
SHELL OIL CO.
HUNT ENERGY CO.
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

	OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELING NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
GC:	12	6128	11	6048	0	0	11	6048
GE:	12	8757	12	8757	0	0	12	8757

PRE-LEASE ACTIVITY

POST-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

NO. NOI'S NO. APD'S

31

26

46

COMPETITIVE LEASES

GC: SHELL OIL CO.
UNION OIL, MAGMA POWER, AND
THERMAL POWER
UNION OIL CO.
THERMOGENICS, INC.
NATOMAS CO.
AMINOIL CO.

GE: SHELL OIL CO.
UNION OIL, MAGMA POWER, AND
THERMAL POWER
OCCIDENTAL GEOTHERMAL, INC.
STATE OF CALIFORNIA

OTHER BIDDERS

OCCIDENTAL GEOTHERMAL, INC.
SIGNAL OIL & GAS CO., AND
NATOMAS CO.
CITY OF SANTA CLARA
GEOTHERMAL RESOURCES INTERNATIONAL
CALIFORNIA GEOTHERMAL, INC.
INDIVIDUALS

THERMOGENICS, INC.
AMINOIL USA, INC.
PHILLIPS PETROLEUM CO.
SUNOCO ENERGY DEVELOPMENT CO.
UNION OIL CO.
ANDARKO PRODUCTION CO.
INDIVIDUALS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

9 5711

0

STUDY AREA: GL (See also DU)

STATE: CALIFORNIA
GLAMIS

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
49	107459	PAR: 0 TOT: 24	51150	PAR: 2 TOT: 2	4153	0	0	23	52156	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 5

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

REPUBLIC GEOTHERMAL, INC.
OCCIDENTAL GEOTHERMAL, INC.
SOUTHLAND ROYALTY CO.
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

9

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: GM

STATE: CALIFORNIA
GLASS MT.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
28	54401	PAR: 1 TOT: 10	22203	PAR: 0 TOT: 0	0	0	0	18	32198	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

CALIFORNIA GEOTHERMAL, INC.
SOUTHLAND ROYALTY CO.
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

1

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

KGRA HE IS NOT LOCATED WITHIN A LARGER STUDY AREA
(SEPARATE ANALYSIS WAS MADE OF THE SMALL TRACT
OFFERED.)

STATE: CALIFORNIA
HEBER

COMPETITIVE LEASING ACTIVITY IN KGRA: HE

OFFERED		BID		TERM/RELINQ		EXISTING LEASES	
TRACTS	ACREAGE	TRACTS	ACREAGE	NO.	ACREAGE	NO.	ACREAGE
1	10	1	10	0	0	1	10

COMPETITIVE LESSEES

CHEVRON USA, INC.

OTHER BIDDERS

SHAW LAND REALTY CO.
INDIVIDUAL
KEE OIL & GAS LEASING

STUDY AREA: HH

STATE: CALIFORNIA
HAYDEN HILL

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
3	4800	PAR: 0 TOT: 3	4800	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

EASON OIL CO.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
---------------------------	-----------------------	----------------------------	--------------------------------

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: HL (See also WA)

STATE: CALIFORNIA
HONEY LAKE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
		PAR: 0		PAR: 0									
1	800	TOT: 1	800	TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

GULF OIL CORP.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: IN (See also LC and LV)

STATE: CALIFORNIA
INYO

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRN	ACREAGE WITHDRN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
1	2068	PAR: 1 TOT: 0	1428	PAR: 0 TOT: 1	640	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 12

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

INDIVIDUAL

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: IV

STATE: CALIFORNIA
INDIAN VALLEY

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
22	46074	PAR: 0 TOT: 3	7205	PAR: 7 TOT: 0	1630	0	0	19	37239	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 5
1 - 9

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

SUNOCO ENERGY DEVELOPMENT CO.
AMINOIL USA, INC.
PFIZER, INC.
HUNT FAMILY
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

3

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: KL

STATE: CALIFORNIA
KLAMATH

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
33	73522	PAR: 3 TOT: 8	20715	PAR: 0 TOT: 0	0	0	0	25	52807	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

CALIFORNIA GEOTHERMAL, INC.
DELTA FUNDS, INC.
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
---------------------------	-----------------------	----------------------------	--------------------------------

PRE-LEASE ACTIVITY

POST-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

NO. NOI'S NO. APD'S

2

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: KN

STATE: CALIFORNIA
KNOXVILLE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
23	46080	PAR: 7 TOT: 3	7768	PAR: 6 TOT: 2	7751	0	0	18	30561	0	0	0	0

REASONS FOR REJECTION
NO. CODE

5 - 5
2 - 8
1 - 9

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

REPUBLIC GEOTHERMAL, INC.
HUNT FAMILY
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

6

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO. ACREAGE	DRILLING PERMITS NO.
-----------------------	-------------------------

STUDY AREA: LA

STATE: CALIFORNIA
LASSEN

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
82	173519	PAR: 1 TOT: 19	44958	PAR: 17 TOT: 10	26368	0	0	53	102193	0	0	0	0

REASONS FOR REJECTION
NO. CODE

7 - 9
6 - 5
5 - 10
2 - 8

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

EARTH POWER CORP.
THERMAL EXPLORATION CO.
ATLANTIC RICHFIELD CO.
HUNT ENERGY CO.
HUNT FAMILY
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

2

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: LC

STATE: CALIFORNIA
LAKE CROWLEY

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRN	ACREAGE WITHDRN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
10	23324	PAR: 0 TOT: 1	0 1920	PAR: 0 TOT: 0	0	0	0	9	21404	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

HUNT FAMILY
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

3

9

1

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: LE (See also LA)

STATE: CALIFORNIA
LASSEN

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
		PAR: 0		PAR: 0									
1	1607	TOT: 0	0	TOT: 0	0	0	0	1	1607	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

UNION OIL CO. OF CA

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: LP

STATE: CALIFORNIA
LOS PADRES

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
3	7680	PAR: 0 TOT: 3	7680	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: LV

STATE: CALIFORNIA
LONG VALLEY

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
6	10637	PAR: 0 TOT: 5	8533	PAR: 0 TOT: 0	0	0	0	1	2104	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

CALIFORNIA GEOTHERMAL, INC.
STATE OF CALIFORNIA
HUNT FAMILY

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

POST-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

NO. NOI'S NO. APD'S

11

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: ME

STATE: CALIFORNIA
MENDOCINO

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
114	240397	PAR: 1 TOT: 89	191910	PAR: 11 TOT: 18	37817	0	0	7	10670	0	0	0	0

REASONS FOR REJECTION
NO. CODE

2 - 8
1 - 5

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

UNION OIL CO. OF CA
ENERGY PARTNERS 1974
CHEVRON USA, INC.
AMINOIL USA, INC.
HUNT FAMILY
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: MM

STATE: CALIFORNIA
MIDDLE MT.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
24	45986	PAR: 0 TOT: 20	38088	PAR: 3 TOT: 3	7458	0	0	1	440	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 5

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: MO

STATE: CALIFORNIA
MODOC

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
104	203251	PAR: 2 TOT: 33	65019	PAR: 15 TOT: 20	51931	0	0	51	86301	0	0	0	0

REASONS FOR REJECTION NO. CODE

14 - 5
3 - 14
2 - 2
2 - 7
2 - 8

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

THERMEX CO.
UNION OIL CO. OF CA
MAGMA POWER CO.
CALIFORNIA GEOTHERMAL, INC.
UTAH INTERNATIONAL, INC.
EASON OIL CO.
HUNT FAMILY
INDIVIDUALS

APPLICATION TO LEASE (WKS) MIN AVG MAX

COMPETITIVE LEASING ACTIVITY IN KGRA: MO

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
7	13715	3	5483	0	0	3	5483

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

4

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

CHEVRON USA, INC.
GETTY OIL CO.
REPUBLIC GEOTHERMAL AND
CITY OF BURBANK

OTHER BIDDERS

GEOTHERMAL RESOURCES INTERNATIONAL
UNION OIL CO. OF CA
CALIFORNIA GEOTHERMAL, INC.

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: NA

STATE: CALIFORNIA
NOT ASSIGNED TO
A STUDY AREA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
92	170357	PAR: 2 TOT: 24	41374	PAR: 13 TOT: 4	10027	0	0	64	118956	0	0	0	0

REASONS FOR REJECTION
NO. CODE

12 - 9
2 - 8
2 - 10
1 - 7
1 - 14

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

SOUTHLAND ROYALTY CO.
UNION OIL CO. OF CA
CHEVRON USA, INC.
PHILLIPS PETROLEUM CO.
SUPRON ENERGY CORP.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PNTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

18

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: NS

STATE: CALIFORNIA
N. SALTON SEA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
9	10508	PAR: 0 TOT: 1	80	PAR: 4 TOT: 0	1998	8	8430	0	0	2	2350	6	6080

REASONS FOR REJECTION
NO. CODE

1 - 8
1 - 9

NON-COMPETITIVE LESSEES

NATOMAS CO.
BLACK, QUIRK, LEBAL, AND VTN
CON., INC.
MAGMA POWER CO.
VTN

OTHER APPLICANTS

INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

4 167 280

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

3

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: OL (See also CO)

STATE: CALIFORNIA
OWENS LAKE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
2	5010	PAR: 0 TOT: 0	0	PAR: 0 TOT: 0	0	0	0	2	5010	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

SUPRON ENERGY CORP.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: PC (See also CD)

STATE: CALIFORNIA
PISCAH

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
2	3555	PAR: 1 TOT: 0	480	PAR: 0 TOT: 0	0	0	0	2	3075	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

SOUTHLAND ROYALTY CO.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

1

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: RA

STATE: CALIFORNIA
RANDSBURG

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
40	79116	PAR: 0 TOT: 0	0	PAR: 8 TOT: 10	21794	4	5358	26	51964	4	5358	0	0

REASONS FOR REJECTION
NO. CODE

11 - 5
4 - 8

NON-COMPETITIVE LESSEES

GETTY OIL CO. AND MONO POWER CO.

OTHER APPLICANTS

UNION OIL CO. OF CA
PHILLIPS PETROLEUM CO.
HUNT FAMILY
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

197 220 236

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

10

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: SA

STATE: CALIFORNIA
SALINE VALLEY

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
6	12800	PAR: 0 TOT: 1	2560	PAR: 1 TOT: 3	7040	0	0	2	3200	0	0	0	0

REASONS FOR REJECTION
NO. CODE

3 - 5
1 - 8
1 - 10

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

MONO POWER CO.
GETTY OIL CO.
PHILLIPS PETROLEUM CO.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
---------------------------	-----------------------	----------------------------	--------------------------------

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

3

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
---------------	---------	-------------------------

STUDY AREA: SH

STATE: CALIFORNIA
SHASTA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
92	202769	PAR: 1 TOT: 39	90768	PAR: 2 TOT: 0	918	0	0	53	111083	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 5

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

CALIFORNIA GEOTHERMAL, INC.
ATLANTIC RICHFIELD CO.
THERMAL RESOURCES, INC.
UTAH INTERNATIONAL, INC.
UNION OIL CO. OF CA
EARTH POWER CORP.
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY
NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY
NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: SL

STATE: CALIFORNIA
SEARLES LAKE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
5	11626	PAR: 0 TOT: 0	0	PAR: 3 TOT: 0	848	5	10778	0	0	0	0	5	10778

REASONS FOR REJECTION
NO. CODE

3 - 9
1 - 10

NON-COMPETITIVE LESSEES

KERR-McGEE CHEMICAL CORP.

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

96 137 148

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

1

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

1

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: SP

STATE: CALIFORNIA
SPANGLER

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
1	2560	PAR: 0 TOT: 1	0 2560	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUAL

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PNTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: SS

STATE: CALIFORNIA
S. SALTON SEA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
14	29342	PAR: 0 TOT: 0	0	PAR: 1 TOT: 0	324	3	7062	11	21956	0	0	3	7062

REASONS FOR REJECTION
NO. CODE

1 - 10

NON-COMPETITIVE LESSEES

PHILLIPS PETROLEUM CO.

OTHER APPLICANTS

UNION OIL CO. OF CA
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

63 74 80

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

11

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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1 535 0

STUDY AREA: SV

STATE: CALIFORNIA
SURPRISE/
WARNER VALLEY

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRN	ACREAGE WITHDRN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
38	72711	PAR: 2 TOT: 4	9044	PAR: 4 TOT: 28	56509	5	5694	1	1464	4	4414	1	1280

REASONS FOR REJECTION NO. CODE

25 - 5
5 - 12
1 - 10

NON-COMPETITIVE LESSEES

MOBIL OIL CORP.
EASON OIL CO.
SUPRON ENERGY CORP.

OTHER APPLICANTS

SIGNAL OIL & GAS CO. AND
NATOMAS CO.
GULF MINERAL RESOURCES CO.
CHEVRON USA, INC.
INDIVIDUALS

APPLICATION TO LEASE (WKS) MIN AVG MAX

41 69 91

COMPETITIVE LEASING ACTIVITY IN KGRA: SV

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
16 34591	5 10584	5 10584	0 0

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

9

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

GETTY OIL CO.
DOW CHEMICAL CO.
SOUTHERN UNION PRODUCTION CO.

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: TA

STATE: CALIFORNIA
TAHOE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
3	2920	PAR: 0 TOT: 3	2920	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

EASON OIL CO.
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: TE

STATE: CALIFORNIA
TECOPA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
7	12961	PAR: 0 TOT: 3	6023	PAR: 2 TOT: 0	999	0	0	4	5939	0	0	0	0

REASONS FOR REJECTION
NO. CODE

2 - 8

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

GETTY OIL CO.
MONO POWER CO.
REPUBLIC GEOTHERMAL, INC.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

1

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: UP

STATE: CALIFORNIA
UPPER PIT RIVER

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
12	24550	PAR: 1 TOT: 7	14370	PAR: 2 TOT: 4	10160	0	0	1	20	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 4
1 - 7
1 - 9
1 - 14

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

EASON OIL CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO. ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: WA (see also HL)

STATE: CALIFORNIA
WENDELL AMADEE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	AC UNDER LEASE
7	9002	PAR: 0 TOT: 4	5162	PAR: 1 TOT: 2	3080	1	760	0	0	0	0	1	760

REASONS FOR REJECTION
NO. CODE

1 - 8

NON-COMPETITIVE LESSEES

GULF MINERAL RESOURCES CO.

OTHER APPLICANTS

PHILLIPS PETROLEUM CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

274 274 274

COMPETITIVE LEASING ACTIVITY IN KGRA: WA

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
5 2669	1 1205	0 0	1 1205

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

GEOPRODUCTS CORP.

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: WS

STATE: CALIFORNIA
WITTER SPRINGS

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
2	2426	PAR: 1 TOT: 0	769	PAR: 0 TOT: 0	0	0	0	2	1657	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

1

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: YU

STATE: CALIFORNIA
YUHA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
18	38140	PAR: 2 TOT: 6	16960	PAR: 0 TOT: 0	0	2	1280	10	19900	1	640	1	640

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

PHILLIPS PETROLEUM CO.

CHEVRON USA, INC.
INDIVIDUALS

119 231 344

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

POST-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

NO. NOI'S NO. APD'S

6

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

KGRA AL IS NOT LOCATED WITHIN A LARGER STUDY AREA
(SEPARATE STUDY CONDUCTED FOR LEASE SALE)

STATE: COLORADO

COMPETITIVE LEASING ACTIVITY IN KGRA: AL

OFFERED		BID		TERM/RELINQ		EXISTING LEASES	
TRACTS	ACREAGE	TRACTS	ACREAGE	NO.	ACREAGE	NO.	ACREAGE
2	3561	0	0	0	0	0	0

STUDY AREA: AR

STATE: COLORADO
ARAPAHO

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
4	9578	PAR: 0 TOT: 4	9578	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: CA

STATE: COLORADO
CRAIG/ARAPAHO N.F.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
15	38400	PAR: 0 TOT: 15	38400	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: CC

STATE: COLORADO
CANON CITY DISTRICT

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
69	139991	PAR: 6 TOT: 22	53228	PAR: 22 TOT: 15	41494	27	40354	5	4915	20	31982	7	8372

REASONS FOR REJECTION
NO. CODE

16 - 5
5 - 8
4 - 12
3 - 9
1 - 6

NON-COMPETITIVE LESSEES

PHILLIPS PETROLEUM CO.
OXY PETROLEUM, INC.
CHEVRON USA, INC.
GEOTHERMAL KINETICS, INC.
EARTH POWER CO.
THERMAL RESOURCES, INC.
LADD PETROLEUM CORP.
MAPCO, INC.

OTHER APPLICANTS

UNION OIL CO. OF CA
GEN OIL, INC.
MARINE MINERALS CORP.
OCCIDENTAL GEOTHERMAL, INC.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

71 104 292

COMPETITIVE LEASING ACTIVITY IN KGRA: PD

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
1	916	1	916	0	0	1	916

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

1

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

1

COMPETITIVE LESSEES

THE ANSCHUTZ CORP.

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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5 9934

4

STUDY AREA: CR

STATE: COLORADO
CRAIG

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
35	89600	PAR: 0 TOT: 35	89600	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PNTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: CS

STATE: COLORADO
CANON CITY/
SAN ISABEL N.F.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
7	14964	PAR: 0 TOT: 7	14964	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

THERMAL RESOURCES, INC.
UTAH INTERNATIONAL, INC.
OCCIDENTAL GEOTHERMAL, INC.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

POST-LEASE ACTIVITY

NO. NOI'S/PROS PNTS

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: GU

STATE: COLORADO
GUNNISON N.P.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
4	8269	PAR: 0 TOT: 1	2396	PAR: 1 TOT: 0	240	0	0	3	5633	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 8

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

AUSTRAL OIL CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
---------------------------	-----------------------	----------------------------	--------------------------------

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: MG

STATE: COLORADO
MONTROSE/
GUNNISON N.F.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
1	2090	PAR: 0 TOT: 0	0	PAR: 0 TOT: 0	0	0	0	1	2090	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

PHILLIPS PETROLEUM CO.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: MO

STATE: COLORADO
MONTROSE DISTRICT

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
9	16679	PAR: 0 TOT: 0	0	PAR: 5 TOT: 0	2919	8	13516	1	244	3	5210	5	8306

REASONS FOR REJECTION
NO. CODE

4 - 9

NON-COMPETITIVE LESSEES

CHEVRON USA, INC.
BUTTES RESOURCES CO.

OTHER APPLICANTS

FLUID ENERGY CORP.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

96 120 156

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

2

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

5

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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1 1764

1

STUDY AREA: MP

STATE: COLORADO
MOUNT PRINCETON

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
1	640	PAR: 0 TOT: 1	640	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

OCCIDENTAL GEOTHERMAL, INC.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

POST-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

NO. NOI'S NO. APD'S

2

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

9 20931

0

STUDY AREA: MU

STATE: COLORADO
MONTROSE/
UNCOMPAHGRE N.F.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
		PAR: 0		PAR: 0									
3	4674	TOT: 3	4674	TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: NA

STATE: COLORADO
NOT ASSIGNED TO
A STUDY AREA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
8	8928	PAR: 0 TOT: 0	0	PAR: 4 TOT: 0	1559	4	6302	4	1067	4	6302	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

MAPCO, INC.

INDIVIDUALS

83 83 83

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PNTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

1

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

8

STUDY AREA: OU (Add to MO)

STATE: COLORADO
OURAY/RIDGWAY

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
2	3393	PAR: 0 TOT: 0	0	PAR: 1 TOT: 0	73	0	0	2	3320	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 8

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

FLUID ENERGY CORP.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: RG

STATE: COLORADO
RIO GRANDE N.F.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
27	62586	PAR: 1 TOT: 19	47983	PAR: 2 TOT: 3	6078	4	5982	1	2543	2	1320	2	4662

REASONS FOR REJECTION
NO. CODE

3 - 9
2 - 14

NON-COMPETITIVE LESSEES

PHILLIPS PETROLEUM CO.
UTAH INTERNATIONAL, INC.

OTHER APPLICANTS

THERMAL RESOURCES, INC.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

92 195 287

COMPETITIVE LEASING ACTIVITY

	OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
MI:	3	3524	1	2484	1 2484	0 0
VV:	2	3270	1	1636	1 1636	0 0

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

MI: PHILLIPS PETROLEUM CO.

VV: PHILLIPS PETROLEUM CO.

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: BI (also BS)

STATE: IDAHO
BIG SOUTHERN BUTTE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC UNDER LEASES - LEASE
		PAR: 0		PAR: 0								
1	2548	TOT: 1	2548	TOT: 0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

PHILLIPS PETROLEUM CO.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PNTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: BG

STATE: IDAHO
BRUNEAU/
GRANDVIEW/
MT. HOME

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
156	351124	PAR: 21 TOT: 26	60421	PAR: 41 TOT: 10	26621	105	232234	15	31848	52	114655	53	117579

REASONS FOR REJECTION NO. CODE

21 - 8
19 - 9
16 - 5
5 - 6
2 - 2

NON-COMPETITIVE LESSEES

UTAH INTERNATIONAL, INC.
EARTH POWER CO.
U.S. GEOTHERMAL CORP.
ATLANTIC RICHFIELD CO.
DOW CHEMICAL USA
SNAKE RIVER GEOTHERMAL CO.
INDIVIDUALS

OTHER APPLICANTS

U.S. GEOTHERMAL CORP.
UNION OIL CO. OF CA
MAGMA ENERGY & UNION OIL CO.
AMAX EXPLORATION, INC.
O'BRIEN RESOURCES CORP.
PHILLIPS PETROLEUM CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS) MIN AVG MAX

12 66 327

COMPETITIVE LEASING ACTIVITY

	OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
BG:	2 2600	2 2600	0 0	2 2600
CA:	9 20923	9 20923	4 6553	5 14370
MH:	3 5076	3 5076	0 0	3 5076

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

23

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

32

COMPETITIVE LESSEES

BG: THE ANSCHUTZ CO.
CA: GEOTHERMAL RESOURCES INTERNATIONAL
THE ANSCHUTZ CO.
DOW CHEMICAL CO.
PHILLIPS PETROLEUM CO.
INDIVIDUALS

OTHER BIDDERS

MH: UNION OIL CO. OF CA
UNION OIL AND MAGMA ENERGY

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
155	65616	7

STUDY AREA: BF

STATE: IDAHO
BOISE FRONT

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
2	970	PAR: 0 TOT: 1	485	PAR: 0 TOT: 1	485	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 14

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

BOISE STATE UNIVERSITY

COMPETITIVE LEASING ACTIVITY

PRE-LEASE ACTIVITY

POST-LEASE ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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NO. NOI'S/PROS PMS

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: SJ

STATE: COLORADO
SAN JUAN N.F.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
40	92352	PAR: 0 TOT: 0	0	PAR: 2 TOT: 0	500	0	0	40	91852	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 8
1 - 9

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

PHILLIPS PETROLEUM CO.
ARCO OIL AND GAS CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
1	2840	0

STUDY AREA: SI

STATE: COLORADO
SAN ISABEL N.F.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
16	31148	PAR: 0 TOT: 0	0	PAR: 6 TOT: 0	2883	6	9671	10	18594	0	0	6	9671

REASONS FOR REJECTION
NO. CODE

5 - 9
2 - 5
2 - 8

NON-COMPETITIVE LESSEES

AMAX EXPLORATION, INC.
OXY PETROLEUM, INC. AND
PETRO-LEWIS CORP.

OTHER APPLICANTS

PETRO-LEWIS CORP.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

78 216 348

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO. ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: RO

STATE: COLORADO
ROUTT N.F.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
		PAR: 2		PAR: 1									
4	10156	TOT: 1	5121	TOT: 0	115	0	0	3	4920	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 9

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

PHILLIPS PETROLEUM CO.
EARTH POWER CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: BO

STATE: IDAHO
BOISE N.F.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRN	ACREAGE WITHDRN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
29	63332	PAR: 0 TOT: 17	39141	PAR: 1 TOT: 1	3200	0	0	11	20991	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

OIL RESOURCES, INC.
SUN OIL CO.
REPUBLIC GEOTHERMAL, INC.
UNION OIL CO. OF CA
THERMAL RESOURCES, INC.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: BR

STATE: IDAHO
BLACKFOOT RESERVOIR

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
51	97412	PAR: 4 TOT: 18	38199	PAR: 7 TOT: 4	7229	17	25149	12	26835	0	0	17	25149

REASONS FOR REJECTION
NO. CODE

4 - 8
1 - 3
1 - 9
1 - 12
1 - 14

NON-COMPETITIVE LESSEES

CHEVRON USA, INC.
SUPRON ENERGY CORP.
PHILLIPS PETROLEUM CO.
ANDARKO PRODUCTION CO.
INDIVIDUALS

OTHER APPLICANTS

AMERICAN QUASAR PETROLEUM CO.
OF NM
UNION OIL CO. OF CA
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

122 175 189

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: BS

STATE: IDAHO
BIG SOUTHERN BUTTE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
8	19414	PAR: 0 TOT: 8	19414	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

PHILLIPS PETROLEUM CO.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: CA

STATE: IDAHO
CARIBOU FOREST AREA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
51	115916	PAR: 1 TOT: 37	86169	PAR: 2 TOT: 0	0	2	5120	12	24627	1	2560	1	2560

REASONS FOR REJECTION
NO. CODE

2 - 8
1 - 2

NON-COMPETITIVE LESSEES

PACIFIC ENERGY CORP.
ENERGY PARTNERS 1974

OTHER APPLICANTS

THERMEX CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

45 66 87

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: CC

STATE: IDAHO
CRANE CREEK

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
18	33754	PAR: 4 TOT: 0		PAR: 13 TOT: 3	7375	14	23824	1	2555	3	4687	11	19137

REASONS FOR REJECTION
NO. CODE

7 - 9
6 - 8
2 - 5
2 - 12
1 - 2

NON-COMPETITIVE LESSEES

PHILLIPS PETROLEUM CO.
UNION OIL CO. OF CA
ATLANTIC RICHFIELD CO.

OTHER APPLICANTS

THERMAL RESOURCES, INC.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

66 164 225

COMPETITIVE LEASING ACTIVITY IN KGRA: CC

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
1 1381	1 1381	0 0	1 1381

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

SOUTHERN UNION PRODUCTION CO.

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO. ACREAGE	DRILLING PERMITS NO.
27 11643	6

STUDY AREA: CL

STATE: IDAHO
CLOVER CREEK

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
6	15009	PAR: 0 TOT: 3	7409	PAR: 0 TOT: 3	7600	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

3 - 4

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

MANHATTAN RESOURCES, INC.
QUANTEX CORP.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: CM

STATE: IDAHO
CRATERS OF THE MOON

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
38	84434	PAR: 6 TOT: 16	39332	PAR: 7 TOT: 3	5408	7	14280	12	25414	1	1840	6	12440

REASONS FOR REJECTION
NO. CODE

6 - 14
4 - 8

NON-COMPETITIVE LESSEES

DELTA FUNDS, INC.
HUNT FAMILY

OTHER APPLICANTS

INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

56 268 305

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

2

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: CS

STATE: IDAHO
CASSIA CO.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
39	70337	PAR: 8 TOT: 5	6788	PAR: 13 TOT: 3	6915	26	48545	5	8089	12	22029	14	26516

REASONS FOR REJECTION
NO. CODE

5 - 2
4 - 8
4 - 14
2 - 5
1 - 4

NON-COMPETITIVE LESSEES

SUNOCO ENERGY DEVELOPMENT CO.
STEAM CORP. OF AMERICA
RAFT RIVER RURAL ELECTRIC COOP.
CALIFORNIA GEOTHERMAL, INC.
DELTA FUNDS, INC.
INDIVIDUALS

OTHER APPLICANTS

SUN OIL CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

51 109 215

COMPETITIVE LEASING ACTIVITY IN KGRA: RR

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
8 15917	1 1883	1 1883	0 0

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

1

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

RAFT RIVER RURAL ELECTRIC COOP.

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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26	14643	0
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STUDY AREA: FR

STATE: IDAHO
FREEDOM

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
3	5369	PAR: 0 TOT: 3	5369	PAR: 1 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 9

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: GL

STATE: IDAHO
GRAY'S LAKE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
20	36663	PAR: 0 TOT: 2	3460	PAR: 3 TOT: 8	16231	3	6358	7	10614	0	0	3	6358

REASONS FOR REJECTION
NO. CODE

1 - 8
1 - 9
1 - 12

NON-COMPETITIVE LESSEES

CHEVRON USA, INC.
ANDARKO PRODUCTION CO.

OTHER APPLICANTS

PHILLIPS PETROLEUM CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

122 153 171

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO. ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: GR

STATE: IDAHO
GRANDJEAN

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
15	34520	PAR: 0 TOT: 9	20884	PAR: 0 TOT: 0	0	0	0	6	13636	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

SUN OIL CO.
CALIFORNIA GEOTHERMAL, INC.
REPUBLIC GEOTHERMAL, INC.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: GW

STATE: IDAHO
GRAYS LAKE WEST

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
2	3557	PAR: 0 TOT: 0	0	PAR: 0 TOT: 0	0	0	0	2	3557	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

THERMEX CO.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: HE

STATE: IDAHO
HEISE H.S.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
5	7464	PAR: 0 TOT: 4	5617	PAR: 3 TOT: 0	448	0	0	1	1399	0	0	0	0

REASONS FOR REJECTION
NO. CODE

3 - 8
1 - 9

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

CHEVRON USA, INC.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

1

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
170	79119	1

STUDY AREA: IC

STATE: IDAHO
IDAHO CITY AREA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
5	10226	PAR: 0 TOT: 0	0	PAR: 0 TOT: 0	0	0	0	5	10226	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

THERMAL RESOURCES, INC.
REPUBLIC GEOTHERMAL, INC.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: IP

STATE: IDAHO
ISLAND PARK

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
189	410895	PAR: 21 TOT: 23	49988	PAR: 20 TOT: 2	10113	1	1246	163	349548	0	0	1	1246

REASONS FOR REJECTION
NO. CODE

8 - 8
8 - 9
4 - 2
2 - 5
1 - 4

NON-COMPETITIVE LESSEES

INDIVIDUAL

OTHER APPLICANTS

THE ANSCHUTZ CORP.
DELTA FUNDS, INC.
CALIFORNIA GEOTHERMAL, INC.
FALL RIVER RURAL ELECTRIC COOP.
UNION OIL CO. OF CA
PACIFIC ENERGY CORP.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

190 190 190

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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133 55539 8

STUDY AREA: LH

STATE: IDAHO
LIDY H.S.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
17	35652	PAR: 0 TOT: 15	32137	PAR: 0 TOT: 0	0	1	1209	1	2306	0	0	1	1209

REASONS FOR REJECTION
NO. CODE

8 - 9
4 - 2
2 - 5
1 - 4

NON-COMPETITIVE LESSEES

INDIVIDUAL

OTHER APPLICANTS

OCCIDENTAL GEOTHERMAL, INC.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

184 184 184

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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10 6335 0

STUDY AREA: MA

STATE: IDAHO
MAGIC

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
38	78927	PAR: 4 TOT: 2	3782	PAR: 8 TOT: 0	680	24	48537	12	25928	15	33287	9	15250

REASONS FOR REJECTION
NO. CODE

4 - 9
3 - 8
1 - 10

NON-COMPETITIVE LESSEES

HUNT FAMILY

OTHER APPLICANTS

SOUTHLAND ROYALTY CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

82 117 124

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

3

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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18 5613 6

STUDY AREA: ML

STATE: IDAHO
MUD LAKE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
3	7070	PAR: 0 TOT: 0	0	PAR: 0 TOT: 3	7070	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

3 - 14

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

ATLANTIC RICHFIELD CO.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO. ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: NS

STATE: IDAHO
NOT ASSIGNED TO
A STUDY AREA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
16	27588	PAR: 1 TOT: 4	3342	PAR: 2 TOT: 0	260	1	2560	11	21426	1	2560	0	0

REASONS FOR REJECTION
NO. CODE

1 - 2
1 - 5

NON-COMPETITIVE LESSEES

PHILLIPS PETROLEUM CO.

OTHER APPLICANTS

VALLEY HIGH OIL, GAS & MINERALS
UNION OIL CO. OF CA
O'BRIEN RESOURCES, INC.
U.S. GEOTHERMAL CORP.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

222 222 222

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

5

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

6

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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42 12489

3

STUDY AREA: ON

STATE: IDAHO
ONEIDA NARROWS

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
2	2570	PAR: 0 TOT: 1	887	PAR: 2 TOT: 0	602	0	0	1	1081	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

SUPRON ENERGY CORP.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: PA

STATE: IDAHO
PARMA AREA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
6	10756	PAR: 0 TOT: 3	5305	PAR: 1 TOT: 0	0	0	0	3	5451	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 8

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

CHEVRON USA, INC.
THERMAL RESOURCES, INC.
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: SA

STATE: IDAHO
SALMON N.F.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
3	14347	PAR: 0 TOT: 0	0	PAR: 0 TOT: 0	0	0	0	3	14347	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

REPUBLIC GEOTHERMAL, INC.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: SH

STATE: IDAHO
SHARKEY H.S.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
9	21428	PAR: 3 TOT: 6	13890	PAR: 2 TOT: 0	0	0	0	3	7538	0	0	0	0

REASONS FOR REJECTION
NO. CODE

2 - 4

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

UTAH INTERNATIONAL, INC.
EARTH POWER CO.
THERMAL RESOURCES, INC.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO. ACREAGE	DRILLING PERMITS NO.
-----------------------	-------------------------

STUDY AREA: SS

STATE: IDAHO
SODA SPRINGS

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
25	50075	PAR: 1 TOT: 8	16902	PAR: 1 TOT: 0	669	1	402	16	32102	0	0	1	402

REASONS FOR REJECTION
NO. CODE

1 - 11

NON-COMPETITIVE LESSEES

SOUTHLAND ROYALTY CO.

OTHER APPLICANTS

AMOCO PRODUCTION CO.
CHEVRON USA, INC.
SUPRON ENERGY CORP.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

70 70 70

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
241	113335	8

STUDY AREA: SW

STATE: IDAHO
SULPHUR-WOOD CANYON

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
3	6685	PAR: 0 TOT: 0	0	PAR: 0 TOT: 0	0	0	0	3	6685	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

WESTERN STEAM CO.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: TL

STATE: IDAHO
TWIN LAKES

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	AC UNDER LEASE
1	760	PAR: 0 TOT: 1	760	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

SUNOCO ENERGY DEVELOPMENT CO.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: WL

STATE: IDAHO
WARM LAKE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
1	1456	PAR: 0 TOT: 1	1456	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

OIL RESOURCES, INC.

COMPETITIVE LEASING ACTIVITY

OFFERED

BID

TERM/RELING

EXISTING LEASES

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: BH

STATE: MONTANA
BARKELS H.S.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
4	6366	PAR: 0 TOT: 0	0	PAR: 0 TOT: 0	0	4	6366	0	0	4	6366	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

PHILLIPS PETROLEUM CO.

134 134 134

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

POST-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: BI

STATE: MONTANA
BILTMORE H.S.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
2	4392	PAR: 0 TOT: 0	0	PAR: 1 TOT: 0	0	2	4392	0	0	2	4392	0	0

REASONS FOR REJECTION
NO. CODE

1 - 9

NON-COMPETITIVE LESSEES

PHILLIPS PETROLEUM CO.

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

134 134 134

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: BO

STATE: MONTANA
BOULDER H.S.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
18	28326	PAR: 0 TOT: 15	25537	PAR: 5 TOT: 3	2789	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

4 - 2
3 - 8
1 - 3
1 - 9

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

UNION OIL CO. OF CA
PHILLIPS PETROLEUM CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY IN KGRA: BO

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
1	1608	0	0	0	0	0	0

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: BU

STATE: MONTANA
BUTTE DISTRICT

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
1	2240	PAR: 0 TOT: 0	0	PAR: 0 TOT: 1	2240	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

CORTEX, INC.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PNTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: CH

STATE: MONTANA
CHICO H.S.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
9	18665	PAR: 0 TOT: 8	16739	PAR: 4 TOT: 1	1926	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

3 - 8
2 - 10
1 - 1

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

BURLINGTON NORTHERN, INC.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PNTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: CS

STATE: MONTANA
CORWIN H.S.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
20	39694	PAR: 3 TOT: 7	16645	PAR: 8 TOT: 9	18633	0	0	4	4416	0	0	0	0

REASONS FOR REJECTION
NO. CODE

8 - 2
7 - 8
4 - 1
4 - 10
2 - 6

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

BURLINGTON NORTHERN, INC.
EARTH POWER CORP.
THERMAL RESOURCES, INC.
UTAH INTERNATIONAL, INC.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: HH

STATE: MONTANA
HUNTER H.S.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
2	1400	PAR: 0 TOT: 2	1400	PAR: 1 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 8

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: MA

STATE: MONTANA
MARYSVILLE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
23	48781	PAR: 0 TOT: 2	5120	PAR: 0 TOT: 21	43661	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

19 - 2
6 - 8
2 - 6
1 - 14

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

THERMEX CO.
AMAX EXPLORATION, INC.
AMERICAN OIL SHALE CORP.
GULF MINERAL RESOURCES CO.
UNION OIL CO. OF CA

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY IN KGRA: MA

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELING NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
7	14001	0	0	0	0	0	0

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: SH

STATE: MONTANA
SPOKANE HILLS

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
8	15320	PAR: 0 TOT: 8	15320	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

AMAX EXPLORATION, INC.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: WY

STATE: MONTANA
WEST YELLOWSTONE
(ISLAND PARK)

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
8	17863	PAR: 0 TOT: 0	0	PAR: 0 TOT: 6	14720	0	0	2	3143	0	0	0	0

REASONS FOR REJECTION
NO. CODE

6 - 2
6 - 10

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

PHILLIPS PETROLEUM CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: BA

STATE: NEVADA

BAKER

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
7	17920	PAR: 0 TOT: 7	0 17920	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

3

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: BH

STATE: NEVADA
BUFFALO HILLS

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
289	597082	PAR: 10 TOT: 92	210218	PAR: 26 TOT: 137	279284	48	79217	12	28363	24	42000	24	37217

REASONS FOR REJECTION NO. CODE

10 - 12
2 - 2
2 - 9
1 - 8
1 - 10

NON-COMPETITIVE LESSEES

SUN OIL CO.
SUNOCO ENERGY DEVELOPMENT CO.
HUNT FAMILY
CHEVRON USA, INC.
UNION OIL CO. OF CA.
SULPHUR RIVER EXPLORATION, INC.
INDIVIDUALS

OTHER APPLICANTS

CALVERT GEOTHERMAL RESOURCES, INC.
SOUTHERN UNION PRODUCTION CO.
AL-AQUITAINE EXPLORATION, LTD.
AMINOIL USA, INC.
MOBIL OIL CORP.
GULF MINERAL RESOURCES CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS) MIN AVG MAX

14 63 181

COMPETITIVE LEASING ACTIVITY

	OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
FR:	10 22159	5 10788	3 5665	2 5123
GE:	11 22564	8 16732	3 1968	5 14764
SE:	3 5231	2 3311	0 0	2 3311

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

31

COMPETITIVE LESSEES

FR: SUNOCO ENERGY DEVELOPMENT CO.
NATOMAS CO.
CALVERT DRILLING CO.
GE: OCCIDENTAL GEOTHERMAL, INC.
SUNOCO ENERGY DEVELOPMENT CO.
SE: CHEVRON USA, INC.

OTHER BIDDERS

SUN OIL CO.
INDIVIDUALS
CHEVRON USA, INC.

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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39

STUDY AREA: BR

STATE: NEVADA
BRADY-HAZEN

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
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Data for Non-Competitive Lease Applications are Included in the FC Study Area.

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY IN KGRA: BR

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELING NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
26	51744	19	35124	5	9541	14	25583

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMS

1

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

30

COMPETITIVE LESSEES

OTHER BIDDERS

GEO THERMAL RESOURCES INTERNATIONAL
SOUTHERN UNION PRODUCTION CO.
NATOMAS CO.
THERMAL POWER CO.
PHILLIPS PETROLEUM CO.
SUPRON ENERGY CORP.
MAGMA POWER CO.
UNION OIL CO. AND MAGMA ENERGY
INDIVIDUALS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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29

STUDY AREA: CA

STATE: NEVADA
CALIENTE-
VIRGIN VALLEY

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
		PAR: 0		PAR: 1									
2	3348	TOT: 0	0	TOT: 1	1720	1	1628	0	0	0	0	1	1628

REASONS FOR REJECTION
NO. CODE

1 - 14

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUAL

36 36 36

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APP'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: CC

STATE: NEVADA
CHERRY CREEK

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	AC UNDER LEASE
49	112699	PAR: 0 TOT: 5	12667	PAR: 5 TOT: 2	3074	42	96958	0	0	0	0	42	96958

REASONS FOR REJECTION
NO. CODE

4 - 8
1 - 5

NON-COMPETITIVE LESSEES

HUNT FAMILY
INDIVIDUALS

OTHER APPLICANTS

SHELL OIL CO.
STEAM CORP. OF AMERICA
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

24 53 90

COMPETITIVE LEASING ACTIVITY IN KGRA: MO

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
4	7547	0	0	0	0	0	0

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

6

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

2

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
---------------	---------	-------------------------

1

STUDY AREA: EL

STATE: NEVADA
ELKO

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
112	208969	PAR: 12 TOT: 31	72109	PAR: 16 TOT: 16	33652	57	88773	8	14435	15	27664	42	61109

REASONS FOR REJECTION NO. CODE

6 - 8
4 - 4
4 - 9
1 - 5

NON-COMPETITIVE LESSEES

CHEVRON USA, INC.
AMAX EXPLORATION, INC.
DIABLO EXPLORATION, INC.
GETTY OIL CO.
THERMEX CO.
INDIVIDUALS

OTHER APPLICANTS

EARTH POWER CO.
ATLANTIC RICHFIELD CO.
SHELL OIL CO.
UNION OIL CO.
SOUTHERN UNION PRODUCTION CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS) MIN AVG MAX

9 64 184

COMPETITIVE LEASING ACTIVITY

	OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
EL:	1 1960	0 0	0 0	0 0
HS:	4 5981	2 4701	2 4701	0 0
RU:	3 4663	2 4023	1 200	1 3823

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

10

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

35

4

COMPETITIVE LESSEES

HS: CHEVRON USA, INC.
RU: UNION OIL CO.

OTHER BIDDERS

GETTY OIL CO.
THERMAL POWER CO.
AMINOIL USA, INC.
CHEVRON USA & DIABLO
EXPLORATION, INC.

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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21

STUDY AREA: ES

STATE: NEVADA
ESMERELDA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
60	135042	PAR: 5 TOT: 11	29383	PAR: 3 TOT: 3	10182	18	35780	28	59697	0	0	18	35780

REASONS FOR REJECTION
NO. CODE

1 - 2
1 - 11

NON-COMPETITIVE LESSEES

THERMEX CO.
MAGMA POWER CO.
WESTERN STEAM CO.
INDIVIDUALS

OTHER APPLICANTS

GETTY OIL CO.
PHILLIPS PETROLEUM CO.
UNION OIL CO. OF CA
AMAX EXPLORATION, INC.
O'BRIEN RESOURCES, INC.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

35 55 82

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

1

COMPETITIVE LESSEES

MAGMA POWER CO.

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: EU

STATE: NEVADA
EUREKA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
28	47047	PAR: 0 TOT: 10	16612	PAR: 0 TOT: 1	2400	6	8965	11	19070	0	0	6	8965

REASONS FOR REJECTION
NO. CODE

1 - 11

NON-COMPETITIVE LESSEES

HUNT OIL CO. OF NV

OTHER APPLICANTS

HUNT OIL CO.
ENERGY NEVADA, INC. and
CHARTERHALL AMERICA, INC.
PROFIT INVESTMENTS PARTNERSHIP
NATIONAL GEOTHERMAL CORP.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

48 48 48

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

1

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: FA

STATE: NEVADA
FAIRVIEW

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
2	4675	PAR: 0 TOT: 0	0	PAR: 2 TOT: 0	1100	2	3575	0	0	0	0	2	3575

REASONS FOR REJECTION
NO. CODE

2 - 8

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUAL

31 31 31

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: FC (See also BR)

STATE: NEVADA
FORT CHURCHILL -
CLAN ALPINE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
591	1282364	PAR: 45 TOT: 238	556060	PAR: 51 TOT: 82	193420	241	476941	30	55943	84	164609	157	312332

REASONS FOR REJECTION NO. CODE

25 - 5
11 - 8
7 - 9
7 - 14
6 - 7

NON-COMPETITIVE LESSEES

UNION OIL CO. OF CA
ANDARKO PRODUCTION CO.
OCCIDENTAL GEOTHERMAL, INC.
REPUBLIC GEOTHERMAL, INC.
AMAX EXPLORATION, INC.
AL-AQUITAINE EXPLORATION, LTD.
INDIVIDUALS

OTHER APPLICANTS

PHILLIPS PETROLEUM CO.
EARTH POWER CORP.
MCR GEOTHERMAL CORP.
O'BRIEN RESOURCES, INC.
SOUTHLAND ROYALTY CO.
HUNT FAMILY
INDIVIDUALS

APPLICATION TO LEASE (WKS) MIN AVG MAX

13 53 171

COMPETITIVE LEASING ACTIVITY

	OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELING NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
DV:	30	66107	21	46997	1	1937	20	45060
SA:	8	18577	0	0	0	0	0	0
ST:	21	47155	6	13258	4	4648	2	8610

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

14

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

194

19

COMPETITIVE LESSEES

DV: REPUBLIC GEOTHERMAL, INC.
SUNOCO ENERGY DEVELOPMENT CO.
MILICAN OIL CO.
AL-AQUITAINE EXPLORATION, LTD.
CHAMPLIN PETROLEUM CO.
GEOTHERMAL RESOURCES INTERNATIONAL

OTHER BIDDERS

SUPRON ENERGY CORP.
SOUTHLAND ROYALTY CO.
CHEVRON USA, INC.
AMAX EXPLORATION, INC.
GETTY OIL CO.
INDIVIDUALS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
		39

ST: PHILLIPS PETROLEUM CO.
CHEVRON USA, INC.
CHEVRON USA & PHILLIPS PETROLEUM
UNION OIL CO. OF CA

STUDY AREA: MI

STATE: NEVADA
MINA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
8	14852	PAR: 0 TOT: 1	1372	PAR: 3 TOT: 0	2127	6	9431	1	1922	4	6310	2	3121

REASONS FOR REJECTION
NO. CODE

2 - 11
1 - 8

NON-COMPETITIVE LESSEES

REPUBLIC GEOTHERMAL, INC.
PHILLIPS PETROLEUM CO.

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

14 53 89

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PNTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: PN

STATE: NEVADA
PINENUT-WALKER

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
66	119872	PAR: 2 TOT: 26	47450	PAR: 12 TOT: 8	19003	14	20105	18	33314	7	9692	7	10413

REASONS FOR REJECTION NO. CODE

5 - 12
4 - 8
1 - 5
1 - 9

NON-COMPETITIVE LESSEES

DIABLO EXPLORATION, INC.
OCCIDENTAL GEOTHERMAL, INC.
AMINOIL USA, INC.
CHEVRON USA, INC.
SULPHUR RIVER EXPLORATION, INC.
AL-AQUITAINE & KISSINGER PETROLEUM

OTHER APPLICANTS

PHILLIPS PETROLEUM CO.
ATLANTIC RICHFIELD CO.
HUNT FAMILY
THE ANSCHUTZ CORP.
INDIVIDUALS

APPLICATION TO LEASE (WKS) MIN AVG MAX

19 54 109

COMPETITIVE LEASING ACTIVITY

	OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
WA:	3 5640	3 5640	3 5640	0 0
WI:	1 1294	1 1294	0 0	1 1294

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

2

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

10

COMPETITIVE LESSEES

OTHER BIDDERS

WA: SOUTHERN UNION PRODUCTION CO.
WI: CHEVRON USA, INC.

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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1

STUDY AREA: PY

STATE: NEVADA,
PYRAMID

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
20	28662	PAR: 3 TOT: 6	10774	PAR: 8 TOT: 3	4622	10	11746	1	1520	4	4223	6	7523

REASONS FOR REJECTION NO. CODE

3 - 8
3 - 9
1 - 7
1 - 14

NON-COMPETITIVE LESSEES

PACIFIC ENERGY CORP.
GULF MINERAL RESOURCES CO.
ENERGY PARTNERS 1974
EARTH POWER CO.
HUNT FAMILY

OTHER APPLICANTS

GEOTHERMAL RESOURCES INTERNATIONAL
INDIVIDUALS

APPLICATION TO LEASE (WKS) MIN AVG MAX

23 96 305

COMPETITIVE LEASING ACTIVITY IN KGRA: SB

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
2	1797	2	1797	0	0	2	1797

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

2

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

4

COMPETITIVE LESSEES

PHILLIPS PETROLEUM CO. AND GULF
OIL CORP.
GEOTHERMAL RESOURCES INTERNATIONAL

OTHER BIDDERS

AMINOIL USA, INC.
SOUTHERN UNION PRODUCTION CO.
GEOTHERMAL ENERGY AND MINERAL CORP.
NATIONAL GEOTHERMAL CORP. OF NV

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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10

STUDY AREA: SH

STATE: NEVADA
SHOSHONE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
127	266208	PAR: 12 TOT: 42	89875	PAR: 23 TOT: 21	63596	58	97780	6	14957	27	45832	31	51948

REASONS FOR REJECTION NO. CODE

7 - 11
5 - 2
3 - 4
3 - 5
3 - 8

NON-COMPETITIVE LESSEES

DIABLO EXPLORATION, INC.
CHEVRON OIL CO.
UNION OIL CO. OF CA
MOBIL OIL CO.
AMERICAN THERMAL RESOURCES, INC.
O'BRIEN RESOURCES, INC.

OTHER APPLICANTS

AMAX EXPLORATION, INC.
HUNT INVESTMENT CORP. OF NV
EARTH POWER CORP.
GEOTHERMAL RESOURCES INTERNATIONAL
AGD LIMITED
INDIVIDUALS

APPLICATION TO LEASE (WKS) MIN AVG MAX

18 53 126

COMPETITIVE LEASING ACTIVITY IN KGRA: RE

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
8 16532	6 13768	1 2468	5 11300

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

25

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

38

COMPETITIVE LESSEES

CHEVRON USA, INC.
SOUTHERN UNION PRODUCTION CO.
GETTY OIL CO.

OTHER BIDDERS

NATOMAS CO.
AMINOIL USA, INC.

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
---------------	---------	-------------------------

2

STUDY AREA: ST

STATE: NEVADA
STATELINE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
3	7433	PAR: 3 TOT: 0	3834	PAR: 0 TOT: 0	0	3	3599	0	0	0	0	3	3599

REASONS FOR REJECTION
NO. CODE

5 - 2
3 - 4
3 - 5
3 - 8

NON-COMPETITIVE LESSEES

AMAX EXPLORATION, INC.

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

74 74 74

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PNTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: TO

STATE: NEVADA
TONOPAH

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
186	366105	PAR: 1 TOT: 147	287502	PAR: 7 TOT: 6	14572	17	33496	16	30535	6	10347	11	23149

REASONS FOR REJECTION NO. CODE

3 - 8
2 - 2
2 - 9
1 - 4

NON-COMPETITIVE LESSEES

GETTY OIL CO.
THERMAL RESOURCES, INC.
TESORA PETROLEUM CO.
HUNT OIL CO. OF NV
NATIONAL GEOTHERMAL CORP.

OTHER APPLICANTS

CALIFORNIA GEOTHERMAL, INC.
AMERICAN THERMAL RESOURCES, INC.
STEAM CORP. OF AMERICA
NATOMAS CO.
HUNT INVESTMENT CORP. OF NV
SOUTHLAND ROYALTY CO.

APPLICATION TO LEASE (WKS) MIN AVG MAX

27 57 144

COMPETITIVE LEASING ACTIVITY

	OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
DA:	3 5803	3 5803	0 0	3 5803
WS:	1 1312	1 1312	0 0	1 1312

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

4

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

DA: NATIONAL GEOTHERMAL CORP. OF NV
GEOTHERMAL RESOURCES INTERNATIONAL

WS: GETTY OIL CO.

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
---------------	---------	-------------------------

1

STUDY AREA: WI

STATE: NEVADA
WINNEMUCCA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
561	1209490	PAR: 40 TOT: 156	360980	PAR: 66 TOT: 97	245325	274	540147	34	63038	52	106096	222	434051

REASONS FOR REJECTION NO. CODE

20 - 9
16 - 14
13 - 11
11 - 8
9 - 5

NON-COMPETITIVE LESSEES

HUNT FAMILY
THERMAL RESOURCES, INC.
EARTH POWER CORP.
PHILLIPS PETROLEUM CO.
AMINOIL USA, INC.
AGD LIMITED
INDIVIDUALS

OTHER APPLICANTS

US GEOTHERMAL CORP.
ATLANTIC RICHFIELD CO.
CONTINENTAL GEOTHERMAL CORP.
SOUTHLAND ROYALTY CO.
CHEVRON USA, INC.
MOBIL OIL CO.
UNION OIL CO. OF CA

APPLICATION TO LEASE (WKS) MIN AVG MAX

11 53 237

COMPETITIVE LEASING ACTIVITY

	OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELING NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
BZ:	3	5537	3	5537	0	0	3	5537
CO:	1	640	1	640	0	0	1	640
KY:	1	2400	1	2400	0	0	1	2400
LE:	5	12246	5	12246	0	0	5	12246
PI:	4	7975	4	7975	0	0	4	7975
RY:	1	801	1	801	0	0	1	801

COMPETITIVE LESSEES

BZ: EARTH POWER CORP.
CO: GETTY OIL CO.
KY: CHEVRON USA, INC.
LE: AMINOIL USA, INC.
PI: INDIVIDUALS
RY: UNION OIL CO. OF CA

OTHER BIDDERS

PHILLIPS PETROLEUM CO.

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

2

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

90

1

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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41

STUDY AREA: CE

STATE: NEW MEXICO
CABAZON

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
5	8279	PAR: 2 TOT: 2	3590	PAR: 1 TOT: 0	573	3	4116	0	0	3	4116	0	0

REASONS FOR REJECTION
NO. CODE

1 - 8
1 - 9

NON-COMPETITIVE LESSEES

SUNOCO ENERGY DEVELOPMENT CO.
FLUID ENERGY CORP.

OTHER APPLICANTS

SUN OIL CO.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

156 180 223

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO. ACREAGE	DRILLING PERMITS NO.
-----------------------	-------------------------

STUDY AREA: JE

STATE: NEW MEXICO
JEMEZ

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
9	16216	PAR: 0 TOT: 0	0	PAR: 0 TOT: 3	5155	0	0	6	11061	0	0	0	0

REASONS FOR REJECTION
NO. CODE

2 - 11
1 - 9

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

SUNOCO ENERGY DEVELOPMENT CO.
AMAX EXPLORATION, INC.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY IN KGRA: BA

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
17 29375	15 25624	0 0	15 25624

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

54

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

AMAX EXPLORATION, INC.
PHILLIPS PETROLEUM CO.
AMINOIL USA, INC.

OTHER BIDDERS

SUNOCO ENERGY DEVELOPMENT CO.

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO. ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: KH

STATE: NEW MEXICO
KILBOURNE HOLE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
41	90451	PAR: 4 TOT: 0	1877	PAR: 6 TOT: 5	13772	35	73644	1	1158	7	13444	28	60200

REASONS FOR REJECTION
NO. CODE

3 - 12
2 - 8
2 - 9
1 - 5
1 - 11

NON-COMPETITIVE LESSEES

HUNT FAMILY
PHILLIPS PETROLEUM CO.
INDIVIDUALS

OTHER APPLICANTS

GEOTHERMAL POWER CORP.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

11 69 311

COMPETITIVE LEASING ACTIVITY IN KGRA: KH

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
12	24278	10	21034	10	21034	0	0

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

11

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

127

COMPETITIVE LESSEES

ANDARKO PRODUCTION CO.
PHILLIPS PETROLEUM CO.

OTHER BIDDERS

CHEVRON USA, INC.

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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6

STUDY AREA: LD

STATE: NEW MEXICO
LIGHTNING DOCK

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
26	58471	PAR: 7 TOT: 2	12539	PAR: 7 TOT: 1	5047	16	26305	7	14580	6	12233	10	14072

REASONS FOR REJECTION
NO. CODE

2 - 11
1 - 5
1 - 8

NON-COMPETITIVE LESSEES

CHEVRON USA, INC.
SUNOCO ENERGY DEVELOPMENT CO.
US GEOTHERMAL CORP.
THERMAL RESOURCES, INC.
EARTH POWER CORP.
INDIVIDUALS

OTHER APPLICANTS

UTAH INTERNATIONAL, INC.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

113 203 309

COMPETITIVE LEASING ACTIVITY IN KGRA: LD

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
9 19045	9 19045	2 4898	7 14147

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

20

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

21

COMPETITIVE LESSEES

EARTH POWER CORP.
AMINOIL USA, INC.
AMAX EXPLORATION, INC.
PHILLIPS PETROLEUM CO.

OTHER BIDDERS

CHEVRON USA, INC.

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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83	36875	22
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STUDY AREA: NA

STATE: NEW MEXICO
NOT ASSIGNED TO
A STUDY AREA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
49	94654	PAR: 1 TOT: 4	10520	PAR: 1 TOT: 5	10901	1	1200	39	72033	0	0	1	1200

REASONS FOR REJECTION
NO. CODE

3 - 9
1 - 2
1 - 5

NON-COMPETITIVE LESSEES

OCCIDENTAL GEOTHERMAL, INC.

OTHER APPLICANTS

SUN OIL CO.
SOUTHLAND ROYALTY CO.
O'BRIEN RESOURCES CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

275 275 275

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

1

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
---------------	---------	-------------------------

5

STUDY AREA: OC

STATE: NEW MEXICO
OJO CALIENTE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
3	7680	PAR: 0 TOT: 0	0	PAR: 0 TOT: 0	0	0	0	3	7680	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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1	585	0
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STUDY AREA: RS

STATE: NEW MEXICO
RADIUM SPRINGS

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
68	132771	PAR: 2 TOT: 7	16953	PAR: 3 TOT: 5	8295	25	51421	31	56102	3	7688	22	43733

REASONS FOR REJECTION
NO. CODE

3 - 10
1 - 5
1 - 8
1 - 11

NON-COMPETITIVE LESSEES

HUNT FAMILY
FLUID ENERGY
SOUTHLAND ROYALTY CO.
CHEVRON USA, INC.

OTHER APPLICANTS

PHILLIPS PETROLEUM CO.
O'BRIEN RESOURCES, INC.
AMAX EXPLORATION, INC.
MCR GEOTHERMAL CORP.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

70 164 266

COMPETITIVE LEASING ACTIVITY IN KGRA: RA

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELING NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
9	7349	9	7349	2	2920	7	4429

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

27

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

27

1

COMPETITIVE LESSEES

CHEVRON USA, INC.
TEXACO, INC.
AMINOIL USA, INC.
INDIVIDUALS

OTHER BIDDERS

SUPRON ENERGY CORP.

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
6	2159	7

STUDY AREA: SA

STATE: NEW MEXICO
SANTA FE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
36	78788	PAR: 3 TOT: 7	21233	PAR: 0 TOT: 8	17462	2	3840	19	36253	1	2560	1	1280

REASONS FOR REJECTION
NO. CODE

7 - 9

NON-COMPETITIVE LESSEES

HUNT FAMILY

OTHER APPLICANTS

CHEVRON USA, INC.
SUN OIL CO.
CALVERT GEOTHERMAL RESOURCES, INC.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

70 227 384

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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2 1280 0

STUDY AREA: SC

STATE: NEW MEXICO
SILVER CITY

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
8	13674	PAR: 0 TOT: 4	6003	PAR: 0 TOT: 0	0	0	0	4	7671	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

SUPRON ENERGY CORP.
AMINOIL USA, INC.
O'BRIEN RESOURCES, INC.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

2

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
36	8882	0

STUDY AREA: SM

STATE: NEW MEXICO
SANTA ANA MESA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
6	14869	PAR: 5 TOT: 0	3807	PAR: 0 TOT: 0	0	4	7347	2	3715	0	0	4	7347

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

HUNT FAMILY
INDIVIDUALS

316 318 319

COMPETITIVE LEASING ACTIVITY

PRE-LEASE ACTIVITY

POST-LEASE ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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NO. NOI'S/PROS PMTS

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: SP

STATE: NEW MEXICO
SOCORRO PEAK

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
42	86016	PAR: 0 TOT: 13	26880	PAR: 4 TOT: 2	7190	8	16018	19	35928	0	0	8	16018

REASONS FOR REJECTION
NO. CODE

2 - 5
1 - 13

NON-COMPETITIVE LESSEES

GULF MINERAL RESOURCES CO.
SUPRON ENERGY CORP.
INDIVIDUALS

OTHER APPLICANTS

PHILLIPS PETROLEUM CO.
ATLANTIC RICHFIELD CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

179 237 292

COMPETITIVE LEASING ACTIVITY IN KGRA: SO

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
23 41168	13 23880	0 0	13 23880

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

12

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

11

COMPETITIVE LESSEES

AMINOIL USA, INC.
SUNOCO ENERGY DEVELOPMENT CO.
THERMAL POWER CO.
INDIVIDUALS

OTHER BIDDERS

SUPRON ENERGY CORP.
HYDRO-SEARCH, INC.
CHAMPLIN PETROLEUM CO.
PUBLIC SERVICE CO. OF NM
CHEROKEE & PITTSBURGH COAL & MINING

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO. ACREAGE	DRILLING PERMITS NO.
22 11488	11

STUDY AREA: SY

STATE: NEW MEXICO
SAN YSIDRO

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
6	7154	PAR: 0 TOT: 0		PAR: 2 TOT: 1	4631	2	2320	3	203	0	0	2	2320

REASONS FOR REJECTION
NO. CODE

1 - 5
1 - 9

NON-COMPETITIVE LESSEES

OCCIDENTAL GEOTHERMAL, INC.

OTHER APPLICANTS

CHEVRON USA, INC.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

149 208 268

COMPETITIVE LEASING ACTIVITY IN KGRA: SY

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
1	1275	0	0	0	0	0	0

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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8 4462 0

STUDY AREA: AL

STATE: OREGON
ALVORD

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
39	71244	PAR: 2 TOT: 0	0	PAR: 15 TOT: 1	14155	27	33926	11	23163	8	10232	19	23694

REASONS FOR REJECTION
NO. CODE

8 - 5
2 - 9
1 - 8
1 - 10
1 - 11

NON-COMPETITIVE LESSEES

ENERGY PARTNERS 1974
ANDARKO PRODUCTION CO.
CALIFORNIA GEOTHERMAL, INC.
SUPRON ENERGY CORP.
DELTA FUNDS, INC.
AMINOIL USA, INC.
INDIVIDUALS

OTHER APPLICANTS

GETTY OIL CO.
ATLANTIC RICHFIELD CO.
PACIFIC ENERGY CORP.
REPUBLIC GEOTHERMAL, INC.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

19 80 153

COMPETITIVE LEASING ACTIVITY IN KGRA: AL

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
46	93244	25	55300	10	21376	15	33924

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

32

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

25

COMPETITIVE LESSEES

GETTY OIL CO.
AL-AQUITAINE EXPLORATION, LTD.
REPUBLIC GEOTHERMAL, INC.
ANDARKO PRODUCTION CO.
CHEVRON USA, INC.
MAPCO, INC.
SOUTHERN UNION PRODUCTION CO.

OTHER BIDDERS

HUNT ENERGY CORP.
UNION OIL CO. OF CA
INDIVIDUALS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
12	5795	11

STUDY AREA: BB

STATE: OREGON
BURNS BUTTE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
47	101446	PAR: 6 TOT: 15	38331	PAR: 2 TOT: 5	12082	13	18193	14	32840	8	9983	5	8210

REASONS FOR REJECTION
NO. CODE

2 - 8

NON-COMPETITIVE LESSEES

ENERGY PARTNERS 1974
PHILLIPS PETROLEUM CO.
CALIFORNIA GEOTHERMAL, INC. et al.

OTHER APPLICANTS

SUN OIL CO. OF CA
O'BRIEN RESOURCES, INC.
THERMAL RESOURCES, INC.
ENERGY POWER CORP.
PACIFIC ENERGY CORP.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

106 155 284

COMPETITIVE LEASING ACTIVITY IN KGRA: BB

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
1	640	0	0	0	0	0	0

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

10

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: BC (See also VA)

STATE: OREGON
BULLY CREEK

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
2	2036	PAR: 0 TOT: 0	0	PAR: 1 TOT: 0	80	2	1956	0	0	0	0	2	1956

REASONS FOR REJECTION NO. CODE

1 - 11

NON-COMPETITIVE LESSEES

AMAX EXPLORATION, INC.
CHEVRON USA, INC.

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)		
MIN	AVG	MAX
52	80	109

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PNTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: BF

STATE: OREGON
BELKNAP-FOLEY

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
47	108066	PAR: 1 TOT: 0	1718	PAR: 4 TOT: 1	4251	0	0	46	102097	0	0	0	0

REASONS FOR REJECTION
NO. CODE

2 - 7
1 - 8
1 - 10

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

BROOKS-SCANLON, INC.
SOUTHLAND ROYALTY CO.
SUNOCO ENERGY DEVELOPMENT CO.
CITY OF EUGENE
UNION OIL CO.
CHEVRON USA, INC.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: BK

STATE: OREGON
BELKNAP-POLEY

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
3	7227	PAR: 0 TOT: 0	0	PAR: 0 TOT: 0	0	0	0	3	7227	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: BR

STATE: OREGON
BULL RUN

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
3	7680	PAR: 0 TOT: 3	7680	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

ALASKA PACIFIC OREGON LTD.
REPUBLIC GEOTHERMAL, INC.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PNTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: BS

STATE: OREGON
BEND-SISTERS

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
59	131510	PAR: 0 TOT: 5	10739	PAR: 4 TOT: 5	13359	0	0	49	107412	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 4
1 - 5
1 - 8
1 - 9

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

DELTA FUNDS, INC.
CALIFORNIA GEOTHERMAL, INC.
PORTLAND GENERAL ELECTRIC
REPUBLIC GEOTHERMAL, INC.
WESTERN LAND DEVELOPMENT CO.
UNION OIL CO.
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO. ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: CC

STATE: OREGON
COW CREEK

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
6	14023	PAR: 0 TOT: 6	14023	PAR: 1 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 8

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: CL

STATE: OREGON
CLAKAMAS

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
94	209682	PAR: 0 TOT: 27	61584	PAR: 10 TOT: 0	5965	2	1287	65	140846	1	647	1	640

REASONS FOR REJECTION
NO. CODE

3 - 2
3 - 10
1 - 9
1 - 11

NON-COMPETITIVE LESSEES

SUNOCO ENERGY DEVELOPMENT CO.

OTHER APPLICANTS

HYDROTHERMAL ENERGY AND
MINERALS, INC.
ALASKA PACIFIC OREGON, LTD.
SOUTHLAND ROYALTY CO.
CITY OF EUGENE
SEA-TAC GEOTHERMAL
UNION OIL CO. OF CA
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

283 290 297

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

9

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
---------------	---------	-------------------------

11

STUDY AREA: CO

STATE: OREGON (WA)
COUGAR

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
21	50326	PAR: 0 TOT: 0		PAR: 2 TOT: 1	3380	0	0	20	46946	0	0	0	0

REASONS FOR REJECTION
NO. CODE

2 - 10
1 - 8

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

THERMAL RESOURCES, INC.
INDIVIDUAL

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: FO

STATE: OREGON
FORT ROCK

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
165	357576	PAR: 5 TOT: 20	46574	PAR: 24 TOT: 20	60270	0	0	125	250732	0	0	0	0

REASONS FOR REJECTION
NO. CODE

11 - 5
8 - 2
4 - 7
4 - 8
2 - 9

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

SUN OIL CO. OF CA
CALIFORNIA GEOTHERMAL, INC.
DELTA FUNDS, INC.
PHILLIPS PETROLEUM CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: FR

STATE: OREGON
FREMONT

NON-COMPETITIVE LEASING ACTIVITY -

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
86	188790	PAR: 10 TOT: 25	60326	PAR: 16 TOT: 14	36445	9	14972	38	77047	2	4921	7	10051

REASONS FOR REJECTION
NO. CODE

6 - 9
4 - 8
1 - 5
1 - 10

NON-COMPETITIVE LESSEES

HUNT FAMILY
UTAH INTERNATIONAL, INC.
THERMAL RESOURCES, INC.

OTHER APPLICANTS

EARTH POWER CORP.
PHILLIPS PETROLEUM CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

99 244 374

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELING NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PNTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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1

STUDY AREA: GL

STATE: OREGON
GLASS BUTTE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
49	89764	PAR: 10 TOT: 3	13774	PAR: 9 TOT: 1	3477	42	67339	3	5174	9	13934	33	53405

REASONS FOR REJECTION
NO. CODE

5 - 8
3 - 12
2 - 9

NON-COMPETITIVE LESSEES

CALIFORNIA GEOTHERMAL, INC., ET AL.
PHILLIPS PETROLEUM CO.
FRANCANA RESOURCES, INC.
AMINOIL USA, INC.
HAND D INVESTMENT CO., INC.

OTHER APPLICANTS

SUN OIL CO. OF CA
O'BRIEN RESOURCES, INC.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

40 148 284

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

7

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

34

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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5 3200

3

STUDY AREA: GO

STATE: OREGON
GOOSE LAKE VALLEY

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
1	600	PAR: 0 TOT: 0	0	PAR: 1 TOT: 0	160	0	0	1	440	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 9

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUAL

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

1

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

2

STUDY AREA: GP

STATE: OREGON (WA)
GIFFORD PINCHOT N.F.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
107	234309	PAR: 2 TOT: 52	112047	PAR: 3 TOT: 7	18397	1	2560	47	101305	0	0	1	2560

REASONS FOR REJECTION
NO. CODE

2 - 8
1 - 5
1 - 10

NON-COMPETITIVE LESSEES

PHILLIPS PETROLEUM CO.

OTHER APPLICANTS

CALIFORNIA GEOTHERMAL, INC.
DELTA FUNDS, INC.
PHILLIPS PETROLEUM CO.
ATLANTIC RICHFIELD CO.
FRANCANA RESOURCES, INC.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

284 284 284

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: GS

STATE: OREGON (WA)
GREEN SPIRIT

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
79	155585	PAR: 0 TOT: 58	112183	PAR: 5 TOT: 7	18710	0	0	14	24692	0	0	0	0

REASONS FOR REJECTION
NO. CODE

3 - 5
2 - 8
1 - 10

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

ENERGY PARTNERS 1974
BURLINGTON NORTHERN, INC.
CALIFORNIA GEOTHERMAL, INC.
PACIFIC ENERGY CORP.
AGD LIMITED
PHILLIPS PETROLEUM CO.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS	BID ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: KL

STATE: OREGON
KLAMATH FALLS

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
35	63051	PAR: 2 TOT: 11	18836	PAR: 10 TOT: 6	18229	16	24835	2	1151	9	13029	7	11806

REASONS FOR REJECTION NO. CODE

7 - 9
2 - 8
2 - 10
1 - 2
1 - 4

NON-COMPETITIVE LESSEES

HUNT FAMILY

OTHER APPLICANTS

GULF MINERAL RESOURCES, INC.
EARTH POWER CORP.
THERMAL RESOURCES, INC.
NATOMAS CO.
CRESLENN OIL CO.

APPLICATION TO LEASE (WKS) MIN AVG MAX

91 133 192

COMPETITIVE LEASING ACTIVITY IN KGRA: KL

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
15 4954	6 1907	6 1907	0 0

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

4

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

THERMAL POWER CO.
INTERCONTINENTAL ENERGY CORP.

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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12

STUDY AREA: MB

STATE: OREGON (WA)
MT. BAKER/
SNOQUALMIE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
70	171254	PAR: 0 TOT: 24	60009	PAR: 3 TOT: 2	7105	0	0	44	104140	0	0	0	0

REASONS FOR REJECTION
NO. CODE

2 - 10
1 - 9

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

CHEVRON USA, INC.
UNION OIL CO. OF CA
PHILLIPS PETROLEUM CO.
SEA-TAC GEOTHERMAL
ALASKA PACIFIC OREGON, LTD.
CASCADES GEOTHERMAL
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: MC

STATE: OREGON
McCREDIE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
20	44761	PAR: 0 TOT: 7	16994	PAR: 1 TOT: 2	3840	0	0	11	23927	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 10

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

HYDROTHERMAL ENERGY AND MINERALS,
INC.
OIL RESOURCES, INC.
CITY OF OAKRIDGE
ATLANTIC RICHFIELD CO.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: MH

STATE: OREGON
MT. HOOD

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
44	102215	PAR: 2 TOT: 11	24365	PAR: 5 TOT: 7	18924	10	25764	16	33162	1	2560	9	23204

REASONS FOR REJECTION
NO. CODE

4 - 9
1 - 10

NON-COMPETITIVE LESSEES

NORTHWEST NATURAL GAS CO.
PORTLAND GENERAL ELECTRIC
ALASKA PACIFIC OREGON, LTD.

OTHER APPLICANTS

REPUBLIC GEOTHERMAL, INC.
R.L.K. AND CO.
SEA-TAC GEOTHERMAL
DENISON MINES, INC.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

53 103 157

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

5 4

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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9

STUDY AREA: NA

STATE: OREGON
NOT ASSIGNED TO
A STUDY AREA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
6	13239	PAR: 0 TOT: 0	0	PAR: 0 TOT: 1	2281	0	0	5	10958	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 3

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

FRANCANA RESOURCES, INC.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

4

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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5

STUDY AREA: NM

STATE: OREGON
NORTHERN MALHEUR

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
53	106379	PAR: 5 TOT: 5	11764	PAR: 12 TOT: 1	8571	47	86044	0	0	0	0	47	84124

REASONS FOR REJECTION
NO. CODE

7 - 10
3 - 9
1 - 8
1 - 11

NON-COMPETITIVE LESSEES

HUNT OIL CO.
THERMAL RESOURCES, INC.
UTAH INTERNATIONAL, INC.
AMAX EXPLORATION, INC.
AMAX EXPLORATION, INC. AND THERMAL
RESOURCES, INC.
AMAX EXPLORATION, INC. AND
U.S. GEOTHERMAL CORP.
HUNT FAMILY

OTHER APPLICANTS

EARTH POWER CORP.
CHEVRON USA, INC.
GEOTHERMAL RESOURCES INTERNATIONAL
HOT SPRINGS GEOTHERMAL CORP.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

31 226 326

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

12

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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2 1280

9

STUDY AREA: OC

STATE: OREGON
OREGON CANYON

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
25	60461	PAR: 0 TOT: 0	0	PAR: 11 TOT: 8	25695	13	25606	4	9160	1	2560	12	23046

REASONS FOR REJECTION
NO. CODE

4 - 11
3 - 9
1 - 4
1 - 8

NON-COMPETITIVE LESSEES

INTERCONTINENTAL ENERGY CORP.
PLACER AMEX, INC. AND
LOCKE JACOBS

OTHER APPLICANTS

MOBIL OIL CORP.
PHELPS DODGE FUEL DEVELOPMENT
CORP.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

52 63 99

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: OK

STATE: OREGON (WA)
OKAGANON

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
8	16884	PAR: 0 TOT: 8	16884	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

PHILLIPS PETROLEUM

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: SL

STATE: OREGON
SUMMER LAKE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
13	28650	PAR: 1 TOT: 10	22412	PAR: 5 TOT: 2	5078	1	1160	0	0	0	0	1	1160

REASONS FOR REJECTION
NO. CODE

3 - 8
3 - 9
1 - 4
1 - 5

NON-COMPETITIVE LESSEES

UTAH INTERNATIONAL, INC.

OTHER APPLICANTS

REPUBLIC GEOTHERMAL, INC.
EARTH POWER CORP.
GULF OIL CORP.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

374 374 374

COMPETITIVE LEASING ACTIVITY IN KGRA: SL

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
4	7521	4	7521	4	7521	0	0

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

6

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

SOUTHERN UNION PRODUCTION CO.
CHEVRON USA, INC.

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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1	374	0
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STUDY AREA: TL

STATE: OREGON
TIMBERLINE LINE LODGE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
1	1280	PAR: 0 TOT: 0	0	PAR: 0 TOT: 0	0	1	1280	0	0	0	0	1	1280

REASONS FOR REJECTION
NO. CODE

3 - 9
1 - 4
1 - 5

NON-COMPETITIVE LESSEES

WFASTXD

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

75 75 75

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS	BID ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: UC

STATE: OREGON (WA)
UPPER CISPUS

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
8	19659	PAR: 0 TOT: 1	2508	PAR: 0 TOT: 0	0	0	0	7	17151	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

CALIFORNIA GEOTHERMAL, INC.
ATLANTIC RICHFIELD CO.

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: VA

STATE: OREGON
VALE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
50	94274	PAR: 10 TOT: 12	27930	PAR: 12 TOT: 5	17039	32	46745	1	2560	1	2004	31	44741

REASONS FOR REJECTION
NO. CODE

5 - 9
4 - 5
3 - 8
2 - 11
1 - 10

NON-COMPETITIVE LESSEES

CHEVRON USA, INC.
AMAX EXPLORATION, INC.
THERMAL RESOURCES, INC.
GEORESOURCES
UNION OIL CO.
EARTH POWER CORP.

OTHER APPLICANTS

HYDROTHERMAL ENERGY AND
MINERALS, INC.
US GEOTHERMAL CORP.
RENEWABLE ENERGY, INC.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

6 130 297

COMPETITIVE LEASING ACTIVITY IN KGRA: VA

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
7	13921	7	13921	1	2003	6	11918

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

6

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

25

COMPETITIVE LESSEES

REPUBLIC GEOTHERMAL, INC.
UNION OIL CO. OF CA
GEOTHERMAL RESOURCES INTERNATIONAL
AMAX EXPLORATION, INC.

OTHER BIDDERS

MAGMA POWER CO.
LVO CORP.

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
1	640	6

STUDY AREA: WB

STATE: OREGON
WILLIAMETTE/
BREITENBUSH

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
46	97622	PAR: 5 TOT: 3	10264	PAR: 7 TOT: 1	6281	13	23935	29	57142	0	0	13	23935

REASONS FOR REJECTION
NO. CODE

3 - 9
2 - 8
2 - 11
1 - 5
1 - 14

NON-COMPETITIVE LESSEES

SUNOCO ENERGY DEVELOPMENT CO.
INDIVIDUALS

OTHER APPLICANTS

SUN OIL CO.
UNION OIL CO. OF CA
SEA-TAC GEOTHERMAL
CHEVRON USA, INC.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

265 278 340

COMPETITIVE LEASING ACTIVITY IN KGRA: BR

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
5 6847	5 6847	0 0	5 6847

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

5

COMPETITIVE LESSEES

SUNOCO ENERGY DEVELOPMENT CO.
UNION OIL CO. OF CA

OTHER BIDDERS

ATLANTIC RICHFIELD CO.

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: WI

STATE: OREGON (WA)
WILD

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
10	21842	PAR: 0 TOT: 0	0	PAR: 0 TOT: 0	0	0	0	10	21842	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUAL

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: WL

STATE: OREGON
WILLAMETTE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
55	120664	PAR: 15 TOT: 14	47499	PAR: 5 TOT: 4	13293	0	0	37	59872	0	0	0	0

REASONS FOR REJECTION
NO. CODE

2 - 5
1 - 8
1 - 9
1 - 10
1 - 12

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

ENERGY PARTNERS 1974
SUN OIL CO.
CHEVRON USA, INC.
HYDROTHERMAL ENERGY AND
MINERALS, INC.
PACIFIC ENERGY CORP.
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: WP

STATE: OREGON (WA)
WHITE PANTHER

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
65	143027	PAR: 0 TOT: 36	78587	PAR: 0 TOT: 4	9657	0	0	25	54783	0	0	0	0

REASONS FOR REJECTION
NO. CODE

3 - 7

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

UTAH INTERNATIONAL, INC.
CALIFORNIA GEOTHERMAL, INC.
DELTA FUNDS, INC.
FRANCANA RESOURCES, INC.
THERMAL RESOURCES, INC.
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: WR

STATE: OREGON
WHITE RIVER

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
19	44453	PAR: 0 TOT: 0	0	PAR: 5 TOT: 1	4733	3	6880	15	32840	0	0	3	6880

REASONS FOR REJECTION
NO. CODE

3 - 9
1 - 1
1 - 12
1 - 14

NON-COMPETITIVE LESSEES

PORTLAND GENERAL ELECTRIC
INDIVIDUALS

OTHER APPLICANTS

YELLOWSTONE PINE CO.
UNION OIL CO. OF CA

APPLICATION TO LEASE (WKS)
MIN AVG MAX

182 201 239

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: WV

STATE: OREGON
WARNER VALLEY

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
44	80994	PAR: 0 TOT: 13	27905	PAR: 15 TOT: 4	14617	26	37512	1	960	3	2987	23	33885

REASONS FOR REJECTION
NO. CODE

7 - 5
5 - 8
5 - 9
1 - 1

NON-COMPETITIVE LESSEES

CHEVRON USA, INC.
STEAM CORP. OF AMERICA
HUNT FAMILY

OTHER APPLICANTS

UNION OIL CO. OF CA
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

48 123 237

COMPETITIVE LEASING ACTIVITY IN KGRA: CR

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
22	38496	10	19138	2	4960	8	14178

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

26

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

63

COMPETITIVE LESSEES

HUNT ENERGY CORP.
CHEVRON USA, INC.

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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2 1280

2

STUDY AREA: WW

STATE: OREGON
WILLAMETTE-
WEST BREITENBUSH

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
6	13975	PAR: 0 TOT: 0	0	PAR: 0 TOT: 0	0	0	0	6	13975	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

DELTA FUNDS, INC.
UNION OIL CO. OF CA
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PNTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: BF

STATE: UTAH
BEAVER-FILLMORE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
12	25947	PAR: 0 TOT: 6	13192	PAR: 0 TOT: 0	0	0	0	6	12755	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

THERMAL RESOURCES, INC.
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PNTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: CC

STATE: UTAH
CLEAR CREEK

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
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Clear Creek Non-competitive Leasing Data May Be Included in the Study Areas CF or MJ.

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELING NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
8	4499	0

STUDY AREA: CF

STATE: UTAH
COVE FORT -
SULPHURDALE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
88	172827	PAR: 2 TOT: 26	53569	PAR: 12 TOT: 26	66127	34	49335	2	3796	5	10101	29	39234

REASONS FOR REJECTION NO. CODE

17 - 2
8 - 5
2 - 11
1 - 1
1 - 4

NON-COMPETITIVE LESSEES

AMAX EXPLORATION, INC.
GEOTHERMAL EXPLORATION, INC.
HUNT FAMILY
PHILLIPS PETROLEUM CO.
O'BRIEN RESOURCES CORP.
THERMAL POWER CO. OF UTAH

OTHER APPLICANTS

THERMEX CO.
WESTERN STEAM CO.
UNION OIL CO. OF CA
CHEVRON USA, INC.
US GEOTHERMAL CORP.
INDIVIDUALS

APPLICATION TO LEASE (WKS) MIN AVG MAX

20 64 131

COMPETITIVE LEASING ACTIVITY IN KGRA: CS

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
12 23899	12 23899	4 7386	8 16513

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

11

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

24

3

COMPETITIVE LESSEES

AMERICAN GEOTHERMAL ENERGY, INC.
UNION OIL CO. OF CA
INDIVIDUALS

OTHER BIDDERS

BOUNTIFUL, UTAH
PHILLIPS PETROLEUM CO.
AMAX EXPLORATION, INC.
GETTY OIL CO.
EARTH POWER CORP.
MOUNTAIN STATES RESOURCES CORP.

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
15	10580	8

STUDY AREA: CH (See also CR for Crater Hot Springs)

STATE: UTAH
CRATER H.S.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
5	10849	PAR: 0 TOT: 0	0	PAR: 0 TOT: 0	0	5	10849	0	0	0	0	5	10849

REASONS FOR REJECTION
NO. CODE

8 - 5
2 - 11
1 - 1
1 - 4

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

SOUTHLAND ROYALTY CO.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

31 31 31

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: CR

STATE: UTAH
CRATER H.S.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
33	74683	PAR: 0 TOT: 10	23260	PAR: 7 TOT: 8	21463	15	29960	0	0	8	17954	7	12006

REASONS FOR REJECTION
NO. CODE

6 - 2
3 - 1
2 - 5
1 - 8

NON-COMPETITIVE LESSEES

GULF MINERAL RESOURCES CO.
UNION OIL CO. OF CA
CHEVRON USA, INC.
ENERGY PARTNERS 1974
PACIFIC ENERGY CORP.
INDIVIDUALS

OTHER APPLICANTS

STEAM CORP. OF AMERICA
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

20 96 127

COMPETITIVE LEASING ACTIVITY IN KGRA: CH

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELING NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
9	18801	8	18361	0	0	8	18361

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

4

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

13

COMPETITIVE LESSEES

GEO THERMAL RESOURCES INTERNATIONAL
CHEVRON USA, INC.
INDIVIDUALS

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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45

59399

0

STUDY AREA: CS (See also CF for Cove Fort-Sulphurdale)

STATE: UTAH
COVE FORT -
SULPHURDALE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
2	2445	PAR: 0 TOT: 0	0	PAR: 1 TOT: 0	525	0	0	2	1920	0	0	0	0

REASONS FOR REJECTION
NO. CODE

1 - 5

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

PHILLIPS PETROLEUM CO.
HUNT FAMILY

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
---------------	---------	-------------------------

STUDY AREA: EN

STATE: UTAH
ENTERPRISE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
8	17379	PAR: 0 TOT: 1	1310	PAR: 0 TOT: 0	0	0	0	7	16069	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: ES

STATE: UTAH
ESCALANTE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
1	1975	PAR: 0 TOT: 1	1975	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

O'BRIEN RESOURCES CORP.

COMPETITIVE LEASING ACTIVITY IN KGRA: MH

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
1	1406	1	1406	0	0	1	1406

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

4

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

1

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
---------------	---------	-------------------------

39 50178

4

STUDY AREA: FL

STATE: UTAH
ROOSEVELT

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
4	5495	PAR: 0 TOT: 1	2280	PAR: 1 TOT: 1	988	2	2227	0	0	1	1587	1	640

REASONS FOR REJECTION
NO. CODE

1 - 2

NON-COMPETITIVE LESSEES

CHEVRON USA, INC.
ATLANTIC RICHFIELD CO.

OTHER APPLICANTS

UNION OIL CO. OF CA
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

22 44 67

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: JC

STATE: UTAH

JUAB CO.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
25	56444	PAR: 1 TOT: 11	26139	PAR: 3 TOT: 2	3714	12	26591	0	0	0	0	12	26591

REASONS FOR REJECTION
NO. CODE

2 - 8

NON-COMPETITIVE LESSEES

EARTH POWER CORP.
THERMAL RESOURCES, INC.
US GEOTHERMAL CORP.

OTHER APPLICANTS

STEAM CORP. OF AMERICA
MARIAS LAND DEVELOPMENT CO.
BRUSH WELLMAN, INC.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

23 82 212

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
---------------------------	-----------------------	----------------------------	--------------------------------

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: JU

STATE: UTAH
JUAB CO.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
2	4560	PAR: 0 TOT: 1	2000	PAR: 0 TOT: 0	0	1	2560	0	0	0	0	1	2560

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

UNION OIL CO. OF CA

18 18 18

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

POST-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: LU (See also ES Summary Table)

STATE: UTAH
ESLANCANTE
(ORIGINALLY LUND-
ESCALANTE)

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
42	82128	PAR: 4 TOT: 5	12035	PAR: 10 TOT: 4	11218	33	58875	0	0	23	43205	10	15670

REASONS FOR REJECTION NO. CODE

3 - 2
2 - 1
1 - 5

NON-COMPETITIVE LESSEES

EARTH SCIENCES, INC.
GEOTHERMAL KINETICS
O'BRIEN RESOURCES CORP.
REPUBLIC GEOTHERMAL, INC.
HUNT FAMILY
INDIVIDUALS

OTHER APPLICANTS

GEOTHERMAL EXPLORATION CO., INC.
PHILLIPS PETROLEUM CO.
PETRO-LEWES CORP.

APPLICATION TO LEASE (WKS) MIN AVG MAX

27 64 103

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
2 3360	2 3360		2 3360

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

INDIVIDUAL

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: MI

STATE: UTAH
MINERSVILLE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
84	178138	PAR: 4 TOT: 24	58744	PAR: 9 TOT: 12	32902	47	85852	1	640	5	9172	42	76680

REASONS FOR REJECTION
NO. CODE

6 - 8
5 - 2
3 - 1
2 - 7
1 - 6

NON-COMPETITIVE LESSEES

O'BRIEN RESOURCES CORP.
PHILLIPS PETROLEUM CO.
ATLANTIC RICHFIELD CO.
AMAX EXPLORATION, INC.
ROOSEVELT HOT SPRINGS CORP.
INDIVIDUALS

OTHER APPLICANTS

HUNT FAMILY
DAVON, INC.
SUPROM ENERGY CORP.
GEOTHERMAL POWER CO.
THERMAL RESOURCES, INC.
THERMEX CO.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

20 84 272

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

14

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

41

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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60 45991

2

STUDY AREA: MJ

STATE: UTAH
MONROE-JOSEPH

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
11	18767	PAR: 0 TOT: 4	6211	PAR: 4 TOT: 1	6574	6	5982	0	0	1	1470	5	1512

REASONS FOR REJECTION
NO. CODE

4 - 5
2 - 8

NON-COMPETITIVE LESSEES

THERMEX CO.
UNION OIL CO. OF CA
STEAM CORP. OF AMERICA

OTHER APPLICANTS

WESTERN STEAM CO.
NATOMAS CO.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

65 93 213

COMPETITIVE LEASING ACTIVITY IN KGRA: MJ

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
5	7360	5	7360	1	720	4	6640

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

5

COMPETITIVE LESSEES

UNION OIL CO. OF CA
AMINOIL USA, INC.
WESTERN GEOTHERMAL, INC.

OTHER BIDDERS

MOUNTAIN STATES RESOURCES CORP.

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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10	9799	1
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STUDY AREA: MM

STATE: UTAH
MINERSVILLE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
24	50599	PAR: 2 TOT: 9	21214	PAR: 0 TOT: 3	5931	12	23454	0	0	11	21663	1	1791

REASONS FOR REJECTION
NO. CODE

1 - 2

NON-COMPETITIVE LESSEES

EARTH POWER CORP.
AMAX EXPLORATION, INC.
ALTA ENERGY CORP.
SUPRON ENERGY CORP.

OTHER APPLICANTS

GEO THERMAL POWER CORP.
THERMAL RESOURCES, INC.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

22 46 112

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: MP

STATE: UTAH
MARKAGUNT PLATEAU

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	AC UNDER LEASE
35	82090	PAR: 0 TOT: 35	82090	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

HUNT FAMILY
INDIVIDUAL

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: NA

STATE: UTAH
NOT ASSIGNED TO A
STUDY AREA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRN	ACREAGE WITHDRN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
51	105595	PAR: 0 TOT: 24	41561	PAR: 5 TOT: 6	18711	5	10206	16	35117	0	0	5	10206

REASONS FOR REJECTION
NO. CODE

4 - 8
3 - 9
2 - 10
1 - 3
1 - 4

NON-COMPETITIVE LESSEES

O'BRIEN RESOURCES CORP.
INDIVIDUALS

OTHER APPLICANTS

SOUTHLAND ROYALTY CO.
PHILLIPS PETROLEUM CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

27 30 35

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

8

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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79 91934 3

STUDY AREA: NC

STATE: UTAH
NEW CASTLE

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
6	11527	PAR: 0 TOT: 4	8348	PAR: 1 TOT: 2	3179	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

HUNT FAMILY
INDIVIDUALS

COMPETITIVE LEASING ACTIVITY IN KGRA: NE

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELING NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
1	1831	1	1831	0	0	1	1831

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

4

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

2

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

UNION OIL CO. OF CA.

INDIVIDUALS

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
16	17092	1

STUDY AREA: PV

STATE: UTAH
PINE VALLEY

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
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Pine Valley Non-competitive Leasing Data may be included in the Study Area NE.

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS	ACREAGE	BID TRACTS	ACREAGE	TERM/RELINQ NO.	ACREAGE	EXISTING LEASES NO.	ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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3	1299	0
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STUDY AREA: RI

STATE: UTAH
ROOSEVELT

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
2	2958	PAR: 0 TOT: 1	2279	PAR: 0 TOT: 0	0	1	679	0	0	0	0	1	679

REASONS FOR REJECTION
NO. CODE

3 - 9
2 - 10
1 - 3
1 - 4

NON-COMPETITIVE LESSEES

AMAX EXPLORATION, INC.

OTHER APPLICANTS

THERMAL RESOURCES, INC.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

204 204 204

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: RO

STATE: UTAH
ROOSEVELT

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
63	125319	PAR: 3 TOT: 16	30855	PAR: 11 TOT: 21	52687	25	39530	1	2247	4	5306	21	34224

REASONS FOR REJECTION NO. CODE

19 - 2
2 - 5
2 - 8
2 - 9
2 - 11

NON-COMPETITIVE LESSEES

GEOTHERMAL EXPLORATION CO., INC.
O'BRIEN RESOURCES CORP.
THERMAL POWER CO. OF UTAH
THERMOGENICS, INC.
INDIVIDUALS

OTHER APPLICANTS

PHILLIPS PETROLEUM CO.
GULF MINERAL RESOURCES CO.
EARTH SCIENCES, INC.
AMERICAN OIL SHALE CORP.
AMAX EXPLORATION, INC.
DAYON, INC.
INDIVIDUALS

APPLICATION TO LEASE (WKS) MIN AVG MAX

29 72 125

COMPETITIVE LEASING ACTIVITY IN KGRA: RO

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
13 23471	12 23431	1 1200	11 22231

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMS

15

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

39

16

COMPETITIVE LESSEES

UNION OIL CO. OF CA
PHILLIPS PETROLEUM CO.
GETTY OIL CO.
INDIVIDUAL

OTHER BIDDERS

GULF OIL CORP.
AL-AQUITAINE EXPLORATION, LTD.
AMAX EXPLORATION, INC.

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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11 6174

11

STUDY AREA: SE

STATE: UTAH
SEVIER

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
161	338452	PAR: 6 TOT: 54	115796	PAR: 16 TOT: 20	49066	68	130928	19	42662	12	21989	56	108939

REASONS FOR REJECTION NO. CODE

6 - 8
5 - 1
4 - 9
4 - 11
2 - 7

NON-COMPETITIVE LESSEES

CHEVRON USA, INC.
O'BRIEN RESOURCES CORP.
ENERGY PARTNERS 1974
PACIFIC ENERGY CORP.
US GEOTHERMAL CORP.
THERMAL RESOURCES, INC.

OTHER APPLICANTS

UTAH INTERNATIONAL, INC.
EARTH POWER CORP.
EARTH POWER PRODUCTION CO.
SOUTHLAND ROYALTY CO.
PHILLIPS PETROLEUM CO.
INDIVIDUALS

APPLICATION TO LEASE (WKS) MIN AVG MAX

6 65 168

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS	BID ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

23

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

18

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
84	94103	0

STUDY AREA: TH

STATE: UTAH
THERMO H.S.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
45	94952	PAR: 0 TOT: 17	34269	PAR: 5 TOT: 5	12430	23	48253	0	0	7	15815	16	32438

REASONS FOR REJECTION
NO. CODE

5 - 2
2 - 8
1 - 5
1 - 6
1 - 9

NON-COMPETITIVE LESSEES

THERMEX CO.
SUPRON ENERGY CO.
GEOTHERMAL EXPLORATION CO., INC.
STEAM CORP. OF AMERICA
AGRI-EMPIRE
REPUBLIC GEOTHERMAL, INC.

OTHER APPLICANTS

CHEVRON USA, INC.
AMERICAN OIL SHALE CORP.
HUNT FAMILY
AMAX EXPLORATION, INC.
GEOTHERMAL RESOURCES INTERNATIONAL
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

25 67 102

COMPETITIVE LEASING ACTIVITY IN KGRA: TH

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
10 16970	8 13450	0 0	8 13450

PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

14

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

30

1

COMPETITIVE LESSEES

SOUTHERN UNION PRODUCTION CO.
CHEVRON USA, INC.
REPUBLIC GEOTHERMAL, INC.
GEOTHERMAL RESOURCES INTERNATIONAL
THERMEX CO.

OTHER BIDDERS

WESTERN GEOTHERMAL CO.

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
34	30401	2

STUDY AREA: TL

STATE: UTAH
THERMO-LUND

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
34	71720	PAR: 6 TOT: 8	26136	PAR: 3 TOT: 8	16483	17	27821	1	1280	7	10926	10	16895

REASONS FOR REJECTION
NO. CODE

7 - 2
1 - 5
1 - 9

NON-COMPETITIVE LESSEES

AGRI-EMPIRE
AMAX EXPLORATION, INC.

OTHER APPLICANTS

PHILLIPS PETROLEUM CO.
DAVON, INC.
SUPRON ENERGY CORP.
UNION OIL CO. OF CA
THERMAL POWER CO. OF UT
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

10 62 131

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: WS

STATE: UTAH
SEVIER

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRN	ACREAGE WITHDRN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
30	57845	PAR: 1 TOT: 11	19109	PAR: 0 TOT: 4	9026	12	22289	3	7421	4	8372	8	13917

REASONS FOR REJECTION
NO. CODE

1 - 5
1 - 9

NON-COMPETITIVE LESSEES

EARTH POWER CORP.
CHEVRON USA, INC.
AMINOIL USA, INC.
US GEOTHERMAL CORP.
HUNT FAMILY

OTHER APPLICANTS

PACIFIC ENERGY CORP.
GETTY OIL CO.
ENERGY PARTNERS 1974
THERMAL RESOURCES, INC.
PHILLIPS PETROLEUM CO.
AMAX EXPLORATION, INC.

APPLICATION TO LEASE (WKS)
MIN AVG MAX

18 38 88

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: BR

STATE: WYOMING
BRIDGER-TETON

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
51	126880	PAR: 0 TOT: 44	110353	PAR: 0 TOT: 7	16527	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

4 - 12
2 - 10
1 - 13

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

THERMAL RESOURCES, INC.
EARTH POWER CORP.
ENERGY RESERVES GROUP
INDIVIDUALS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELING NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
3	1149	0

STUDY AREA: CA

STATE: WYOMING
CARIBOU

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
4	7769	PAR: 0 TOT: 0	0	PAR: 2 TOT: 0	321	4	7448	0	0	2	2805	2	4643

REASONS FOR REJECTION
NO. CODE

2 - 9

NON-COMPETITIVE LESSEES

US GEOTHERMAL CORP.
THERMEX CO.

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

109 124 140

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PHTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO. ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: I1

STATE: WYOMING
ISLAND PARK

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRN	ACREAGE WITHDRN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
2	4725	PAR: 0 TOT: 0	0	PAR: 0 TOT: 0	0	0	0	2	4725	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

UTAH INTERNATIONAL, INC.
INDIVIDUAL

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PNTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: NA

STATE: WYOMING
NOT ASSIGNED TO
A STUDY AREA

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING AC LEASES	UNDER LEASE
24	59972	PAR: 0 TOT: 24	59972	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PNTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES NO.	ACREAGE	DRILLING PERMITS NO.
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STUDY AREA: RS

STATE: WYOMING

ROCK SPRINGS/
CARIBOU

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
24	60074	PAR: 0 TOT: 16	39926	PAR: 0 TOT: 7	18228	1	1920	0	0	0	0	1	1920

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

INDIVIDUALS

6 6 6

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

POST-LEASE ACTIVITY

NO. NOI'S/PROS PMTS

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.

STUDY AREA: TA

STATE: WYOMING
TARGHEE N.F.

NON-COMPETITIVE LEASING ACTIVITY

# APPLS FILED	TOTAL ACREAGE	# APPLS WITHDRWN	ACREAGE WITHDRWN	# APPLS REJECTED	ACREAGE REJECTED	# LEASES ISSUED	ACREAGE LEASED	# APPLS PENDING	ACREAGE PENDING	# LEASES TERM/REL	TERM ACREAGE	EXISTING LEASES	AC UNDER LEASE
50	126076	PAR: 0 TOT: 50	0 126076	PAR: 0 TOT: 0	0	0	0	0	0	0	0	0	0

REASONS FOR REJECTION
NO. CODE

NON-COMPETITIVE LESSEES

OTHER APPLICANTS

APPLICATION TO LEASE (WKS)
MIN AVG MAX

INDIVIDUALS

COMPETITIVE LEASING ACTIVITY

OFFERED TRACTS ACREAGE	BID TRACTS ACREAGE	TERM/RELINQ NO. ACREAGE	EXISTING LEASES NO. ACREAGE
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PRE-LEASE ACTIVITY

NO. NOI'S/PROS PNTS

POST-LEASE ACTIVITY

NO. NOI'S NO. APD'S

COMPETITIVE LESSEES

OTHER BIDDERS

ACTIVITY ON STATE/PRIVATE LAND

LEASES
NO. ACREAGE

DRILLING PERMITS
NO.