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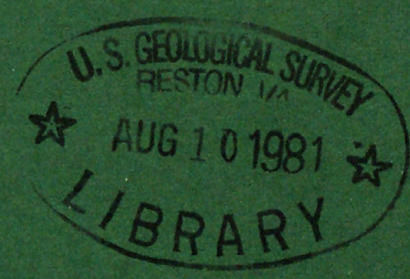
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FW 0002

Outer Continental Shelf Oil and Gas Information Program

PACIFIC INDEX

(January 1962 - October 1980)



Prepared for the U.S. Department of the Interior,
Geological Survey, and the
Bureau of Land Management

Copies of this index are available free upon request from:

Office of OCS Information
U.S. Geological Survey
640 National Center
Reston, VA 22092
(703) 860-7166

For specific questions regarding the index contact:

Mr. Henry Noldan
Chief, Division of Offshore Resources, Code 540
Bureau of Land Management
18th and C Streets, NW
Washington, DC 20240
(202) 343-6906

Mr. Louis G. Hecht, Jr.
Acting Chief, Office of OCS Information
U.S. Geological Survey
640 National Center
Reston, VA 22092
(703)860-7166

The documents referred to in this document are available for inspection in the following offices:

Bureau of Land Management
Pacific OCS Office
1340 West 6th Street, Room 200
Los Angeles, CA 90017
(213) 688-7234

U.S. Geological Survey
Conservation Division
Pacific OCS Region
1340 West 6th Street, Room 240
Los Angeles, CA 90017
(213) 688-2846

OCSIP Reports	Summary Report	Summary Report Update	Index*
Atlantic North Atlantic Mid-Atlantic South Atlantic	In progress November 1979 July 1980	June 1980** In progress	May 1979**
Gulf of Mexico	September 1980**		September 1979**
Pacific	May 1980	In progress	October 1980
Alaska Gulf of Alaska Beaufort Sea	September 1980** (August 1981)		August 1979**
<p>*The November 1979 Directory to Federal, State, and local OCS-related activities and contacts is being incorporated into the second editions of the regional indexes.</p> <p>**Revised edition in progress.</p>			



PACIFIC INDEX

(January 1962 - October 1980)

by Sharon L. Kolasinski

Prepared for the U.S. Department of the Interior,
Geological Survey, and the
Bureau of Land Management
under Contract No. 14-08-0001-19719, by

Rogers, Golden & Halpern, Inc.
1920 Association Drive, Reston, Virginia 22091
1427 Vine Street, Philadelphia, Pennsylvania 19102

Open-file report
United States
Geological Survey

This report has not been edited for conformity
with the publication standards of the Geological Survey.

U.S. Geological Survey Open-File Report 80-1201

315862

Acknowledgments

Many people provided assistance and information to the author, all of whom deserve special thanks. Rick Ensele at the U.S. Geological Survey Office in Los Angeles and Ann Copsey at the Bureau of Land Management Office in Los Angeles were especially helpful during data collection and verification.

David Nystrom provided guidance and directed the project for the U.S. Geological Survey, while Yvonne Morehouse did the same for the Bureau of Land Management. Louis Hecht, Jr., and Jim Frederick made useful contributions during the early stages of the project. Mary Davis served as editorial coordinator for the U.S. Geological Survey.

At Rogers, Golden & Halpern, Fritts Golden and Joanne Jackson provided overall project direction. Martha Salzmänn provided invaluable assistance, especially during data collection. Sandy Dechert edited the report and supervised its design and production. Mark Yankoski directed cartographic and graphics production. Gene Gilroy, Deborah Gould, Sue McGuire, Valerie Smith, Pam Staubus, and Kim Tomlinson provided editorial, graphics, and technical support.

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1. Introduction

The United States is currently engaged in an effort to develop the oil and gas resources of the Outer Continental Shelf (OCS). In the Pacific, State jurisdiction extends for 3 geographical (nautical) miles (5.56 km) from the coastline. The OCS, which comprises the submerged lands of the Continental Shelf seaward of the California, Oregon, and Washington State boundaries, is under Federal jurisdiction. Activities occurring offshore must be supplied and supported from land, and the onshore activities required may have significant effects on the communities in which they occur. For example, oil and gas production might involve the expansion of existing transportation and processing facilities and the construction of new ones, and it might trigger an influx of workers and change employment patterns. These effects, in turn, could influence regional income, demand on public services, tax revenues, and air and water quality.

The need for planning to accommodate the onshore impacts of offshore oil and gas development and production has long been recognized. State and local governments need current information about offshore resources and related offshore and onshore activities to make these plans. The Outer Continental Shelf Lands Act Amendments of 1978 (43 U.S.C. 1331-1343) created an Outer Continental Shelf Oil and Gas Information Program, which is now managed by the Office of Outer Continental Shelf Information (OCSI), U.S. Geological Survey, Conservation Division. Authorities and operating procedures are detailed in the Code of Federal Regulations (CFR) at 30 CFR 252, as published in the Federal Register of August 7, 1979. Under this program, the Director of the U.S. Geological Survey (USGS), in conjunction with the Director of the Bureau of Land Management (BLM) (43 CFR 3300), prepares indexes of OCS information, listing all relevant actual or proposed programs, plans, reports, environmental

impact statements, nominations information, and other lease sale information for the OCS leasing regions. The indexes are sent on a regular basis to affected States and, upon request, to local governments. Indexes for all regions--the Atlantic (North Atlantic, Mid-Atlantic, and South Atlantic Regions), Gulf of Mexico, Pacific, and Alaska--have already been made available to the public. This volume is the second edition of the Pacific Index. Updating is done on an annual basis.

The Director of the U.S. Geological Survey is also required to make available to affected States a summary report of data and information designed to assist them in planning for the onshore impacts of potential OCS oil and gas development and production. The Mid-Atlantic, Pacific (Southern California), South Atlantic, Gulf of Alaska (including Lower Cook Inlet), and Gulf of Mexico summary reports have already been completed. Summary reports for the North Atlantic and the Beaufort Sea will be written in the spring of 1981. The summary reports present the most recent OCS oil and gas resource and reserve estimates and information on the magnitude and timing of OCS activity, offshore oil and gas transportation strategies, and current and projected nearshore and onshore activities.

CONTENT AND FORMAT OF THE INDEX

Each of the updated indexes begins by presenting information on the OCS leasing process and on the most recent OCS oil and gas leasing schedule. A detailed description of each of the steps in the OCS leasing process, from a national perspective, is presented. Following the description of each step, all relevant documents associated with the step are then listed for every sale in the region.

Ongoing programs of the Bureau of Land Management and the U.S. Geological Survey that are carried out to support the OCS leasing process are described. The final section presents information on State involvement in the leasing process, as well as a directory of State and Federal OCS-related contacts. Appendixes provide additional information pertinent to the OCS leasing process.

Except when noted otherwise, all the documents listed within this index are available as of October 15, 1980. Pre-sale documents can be reviewed at the BLM OCS office shown below:

Bureau of Land Management
Pacific OCS Office
1340 West 6th Street, Room 200
Los Angeles, CA 90017
(213)688-7234.

Post-sale documents can be examined at the following office:

U.S. Geological Survey
Conservation Division
Pacific OCS Region
1340 West 6th Street, Room 240
Los Angeles, CA 90017
(213) 688-2846.

THE OCS LEASING PROCESS

The OCS Lands Act, as amended, provides the authority and guidelines under which the Secretary of the Department of the Interior manages mineral operations on the OCS. Regulations written to implement the Act establish procedures through which the Secretary exercises these authorities. Title 43 of the Code of Federal Regulations, part 3300 et seq., governs the OCS activities administered by the Bureau of Land Management. Parts 250, 251, and 252 of title 30 of the Code of Federal Regulations cover OCS activities administered by the U.S. Geological Survey, geological and geophysical explorations conducted on unleased lands, and the responsibilities of the OCS Information Program, which is administered by the Office of Outer Continental Shelf Information. The Bureau of Land Management and the U.S. Geological Survey, both

within the Department of the Interior, are the agencies with primary responsibility for management of the OCS mineral operations. However, numerous other agencies and departments participate throughout the process.

For purposes of this index, the OCS leasing process has been broken into a series of 15 steps. The pre-sale phase is outlined in figure 1, and the post-sale phase in figure 2. The purpose of the pre-sale phase of the process is to select tracts to be offered for lease within the broad geographical areas listed on the current OCS oil and gas leasing schedule. During this phase, geological, geophysical, and environmental data are continuously collected, analyzed, and refined. The U.S. Geological Survey gathers and analyzes technical information on potential mineral resources, geological hazards, and other geological and geophysical data. Other agencies and departments provide information appropriate to their areas of expertise, including social and economic data, especially in response to the request for resource reports and during the preparation of the pre-sale environmental impact statement. The Bureau of Land Management is responsible for coordinating and analyzing other pre-sale data and for identifying new information needs. The Bureau of Land Management is also responsible for evaluating responses from State and local governments and the public, which are solicited at various points throughout the pre-sale phase.

The post-sale phase of the OCS leasing process begins once leases have been issued by the Bureau of Land Management. The U.S. Geological Survey is responsible for supervising and regulating exploration, development, and production activities on the leased tracts. The Survey evaluates exploration and development and production plans and approves drilling permit applications under those plans. Pipelines for the transportation of oil and gas from producing wells require permits granted by the U.S. Geological Survey, the Bureau of Land Management, and other agencies.

The official boundaries of lease blocks to be included in any OCS lease sale are shown on OCS protraction diagrams or leasing maps. The protraction diagrams are prepared by the Bureau of Land Management and are the official documents describing leases issued on the OCS. Each protraction diagram is a map, at a

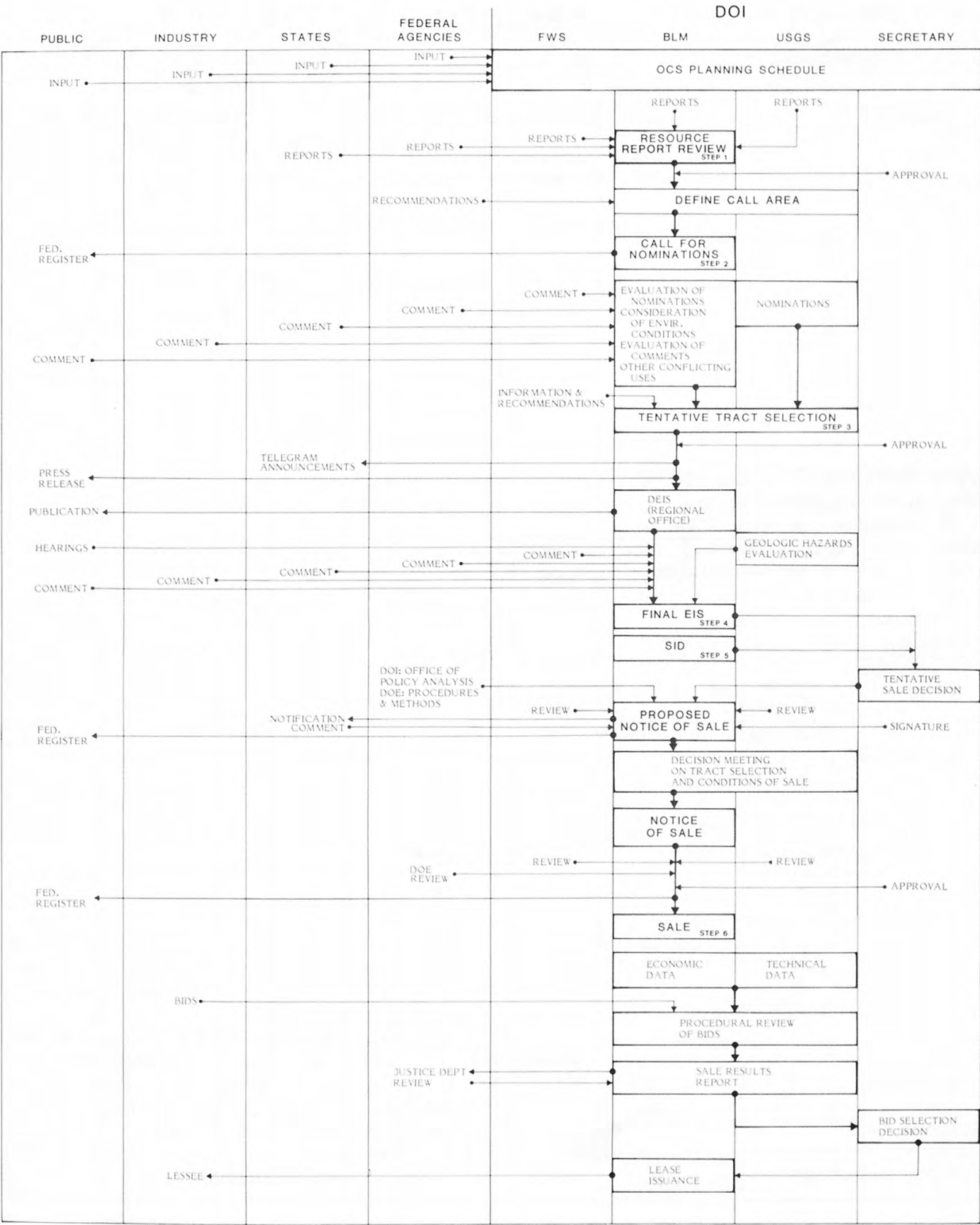


FIGURE 1.—OCS leasing process--pre-sale phase.

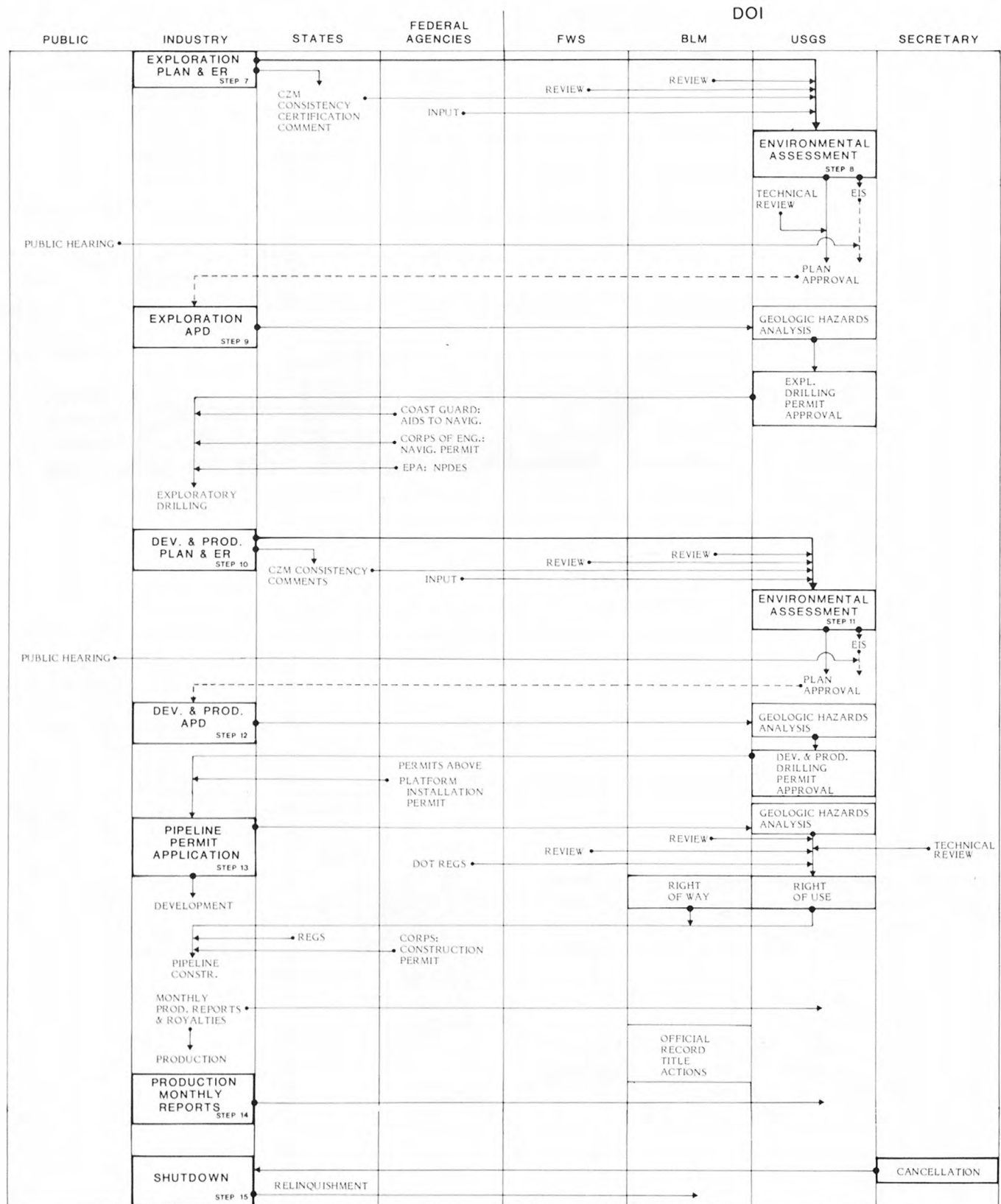


FIGURE 2.—OCS leasing process--post-sale phase.

scale of 1:250,000, of the area to be considered in the call for nominations. Also included are latitude and longitude and the 3-mile line separating lands under State and Federal jurisdiction. A listing of protraction diagrams for a particular call area is included in the Federal Register at the time of the call for nominations and comments. For more information on obtaining protraction diagrams, contact the regional BLM OCS office.

OCS OIL AND GAS LEASING SCHEDULE

43 CFR 3310

The Secretary of the Interior is responsible for the preparation of a leasing program consisting of a schedule for proposed lease sales, indicating the timing and location of leasing activity for a 5-year period and estimating the appropriations and staff required to implement the program. Four objectives, outlined in the OCS Lands Act Amendments of 1978, are considered in the development of the leasing program: (1) orderly and timely resource development; (2) protection of the human, marine, and coastal environments; (3) receipt of fair market value to the public; and (4) preservation and maintenance of free enterprise competition.

Pursuant to the OCS Lands Act Amendments, regulations (43 CFR 3310) were published in the Federal Register, vol. 43, no. 208, October 26, 1978, establishing procedures to be followed in developing the 5-year program. During the preparation of the proposed leasing program, the Secretary of the Interior is required to invite and consider suggestions and relevant information from all interested parties, including Federal agencies, the Governors of affected States and, through the States, local governments, industry, and the general public. The request for information is issued as a notice in the Federal Register. For the current program, covering the period from 1980 to 1985, this notice appeared in the Federal Register, vol. 43, no. 208, October 26, 1978. Comments were requested on the geographical, geological, and ecological characteristics of the broad areas under consideration, other uses of the resources and space of the OCS, identification of areas of environmental sensitivity and marine productivity, and the technological feasibility of, time periods required for, and interest in exploration

and development of the OCS. The Secretary also sent letters to the Governors of affected States, asking them to identify specific laws, goals, and policies they believed should be considered by the Secretary in connection with the leasing program. States that were developing or administering a coastal zone management (CZM) program were also requested to supply information concerning the relationship between their CZM programs and OCS oil and gas activity. Also at this time, the Department of Energy began preparation of a draft document outlining Federal leasing and Outer Continental Shelf energy production goals for 1985, 1990, and 1995.

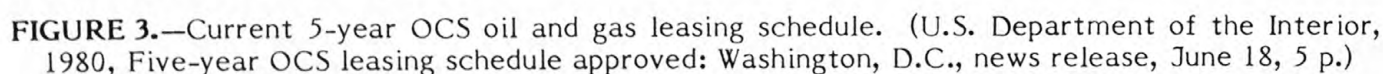
After considering comments and information received, the Secretary prepares a draft proposed leasing program, a copy of which is sent to the Governors of affected States. The Secretary is required to respond in writing to any comments made by Governors on the draft proposed program, if they are received at least 15 days before Federal Register publication of the proposed program. The draft for the current program was sent to Governors on March 9, 1979. A series of public meetings was also held to solicit comments on the draft proposed program. These took place in each of the leasing regions during March and April 1979. On April 27, 1979, a notice was published in the Federal Register, vol. 44, no. 83, requesting further comment on the draft proposed program and alternatives to it and announcing that an environmental impact statement (EIS) would be prepared on the proposed program.

The proposed program was submitted to Congress on June 18, 1979, and published in the Federal Register, vol. 44, no. 142, June 23, 1979. The Federal Register notice also requested comments for inclusion in the EIS. The proposed program was sent to the Governors of affected States on June 25, 1979, along with the Secretary's response to comments made by the Governors on the draft proposed program, and to the Attorney General on June 29, 1979. Comments and recommendations from the Congress, Governors, Attorney General, and the public were to be submitted within 90 days.

The final EIS on the proposed lease sale schedule for 1980-85 was published by the Bureau of Land Management in January 1980.

lease sales, 5 of which are annual reoffering sales. The reoffering sales are designed to offer tracts for which bids were not received or high bids were rejected as inadequate in the previous calendar year.

The leasing schedule is updated and revised within the Department of the Interior as conditions affecting the lease sale areas change. Prior to the current schedule, several other schedules were in effect. These were dated August 1970 (covering the period from 1970-73), May 1971 (1971-75), July 1973 (1973-78), November 1974 (1974-78), June 1975 (1974-78), January 1977 (1976-80), May 1977 (1976-78), August 1977 (1977-81), June 1979 (1979-85), March 1980 (1980-85), and June 1980 (1980-85). The June 1979 and March 1980 schedules were drafts prepared for the current 1980-85 schedule.



2. Lease Sale History

There have been six lease sales in the Pacific Region. The first, known as the 1963 Lease Sale, occurred on May 14, 1963, covering blocks in Central and Northern California; the second, known as the 1964 Lease Sale, was held on October 1, 1964, and covered blocks off Washington and Oregon; the third sale, the 1966 Lease Sale, which was a drainage sale involving only one block, was held on December 15, 1966. The fourth sale, the 1968 Lease Sale in the Santa Barbara Channel, was held on February 6, 1968. Lease Sale 35, the fifth sale in the Pacific, was held on December 11, 1975 and included blocks south of the Channel Islands. Since all five of these lease sales were held prior to the passage of current regulations, there are no documents for all the leasing steps detailed in figures 1 and 2. The most recent lease sale in the Region, Lease Sale 48, covering blocks from Point Conception to the Mexican border, was held on June 29, 1979.

The current 5-year oil and gas leasing schedule, presented in figure 3, lists four proposed sales for the Pacific Region. Sale 53, off Central California, is scheduled for May 1981; Sale 68, off Southern California, is scheduled for June 1982; Sale 73 is scheduled for May 1983; and Sale 80 is scheduled for June 1984.

A brief history of each of the lease sales held or proposed in the Pacific Region is shown in figure 4. Figure 5 shows the locations of past sales, and figures 6 and 7 show the locations of proposed sales.

1963 LEASE SALE

The first oil and gas lease sale in the Pacific Region was held on May 14, 1963. The

call for nominations covered 1.6 million hectares (4 million acres) off the coast of Central and Northern California. Of the 174 blocks nominated, 129 were offered for lease. These were grouped in four offshore areas adjacent to Eureka (Eel River Basin), Point Arena (northern Bodega Basin), San Francisco (southern Bodega Basin and Santa Cruz Basin), and Morro Bay (Santa Maria Basin).

Fifty-seven tracts were leased and 20 exploratory wells were drilled. However, no commercial discoveries were made on these tracts, and all the leases were relinquished between 1965 and 1967.

Because the 1963 Lease Sale was held prior to current regulations, steps 1, 3, 4, 5, 7, and 8 of the leasing process were not required; therefore, no documents exist for those steps. In addition, no comments were received in response to the call for nominations. Since no development and production activities occurred on 1963 tracts, no documents were submitted for steps 10 through 13.

1964 LEASE SALE

The only lease sale to involve the Washington and Oregon OCS was held on October 1, 1964. Four companies nominated approximately 270 blocks. Of the 113 blocks offered for lease, 101 were leased. About three-fourths of the area leased was off the Oregon coast. Twelve exploratory wells were drilled on 10 tracts, but no commercial discoveries were made. All the leases have been relinquished, and no further lease sales are currently scheduled for the Washington and Oregon OCS.

Because this lease sale predated current regulations, no documents exist under steps 1,

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- | | | |
|-----------------------------------|---|-------------------------------------|
| 1 -Resource Reports | 6b -Sale | 11a -Environmental Assessment for |
| 2a -Call for Nominations | 7 -Exploration Plan and Environmental | Development and Production |
| 2b -Nominations Due | Report (Approval Date) | (Publication Date) |
| 3 -Tentative Tract Selection | 8 -Environmental Assessment for | 11b -Environmental Impact Statement |
| 4a -Draft Environmental Statement | Exploration | for Development and Production |
| 4b -Public Hearing | 9 -Exploration Drilling (Approval Date) | (Publication Date) |
| 4c -Final Environmental Statement | 10 -Development and Production and | 12 -Development and Production |
| 5 -Secretarial Issue Document | Environmental Report | Drilling (Approval Date) |
| 6a -Proposed Sale | (Approval Date) | 13 -Pipeline Permits |

FIGURE 4.—History of Pacific OCS oil and gas leasing events.

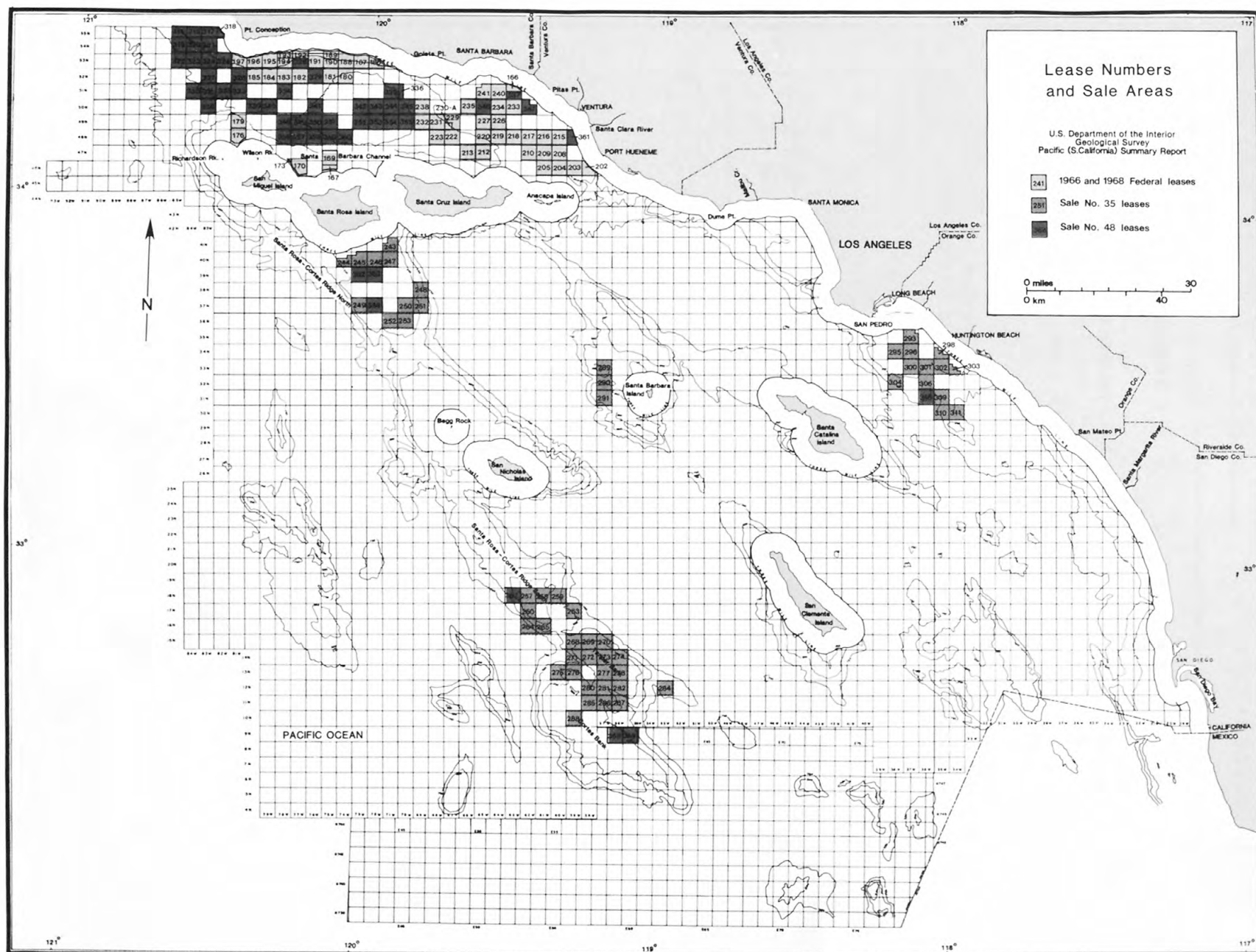


FIGURE 5.—Locations of Pacific OCS lease sales. (Macpherson, George, and Bernstein, Janis, 1980, Outer Continental Shelf oil and gas activities in the Pacific (Southern California) and their onshore impacts: a summary report, May 1980: prepared for the Outer Continental Shelf Information Program, U.S. Geological Survey, by Rogers, Golden & Halpern, U.S. Geological Survey Open-File Report 80-645, p. 15).

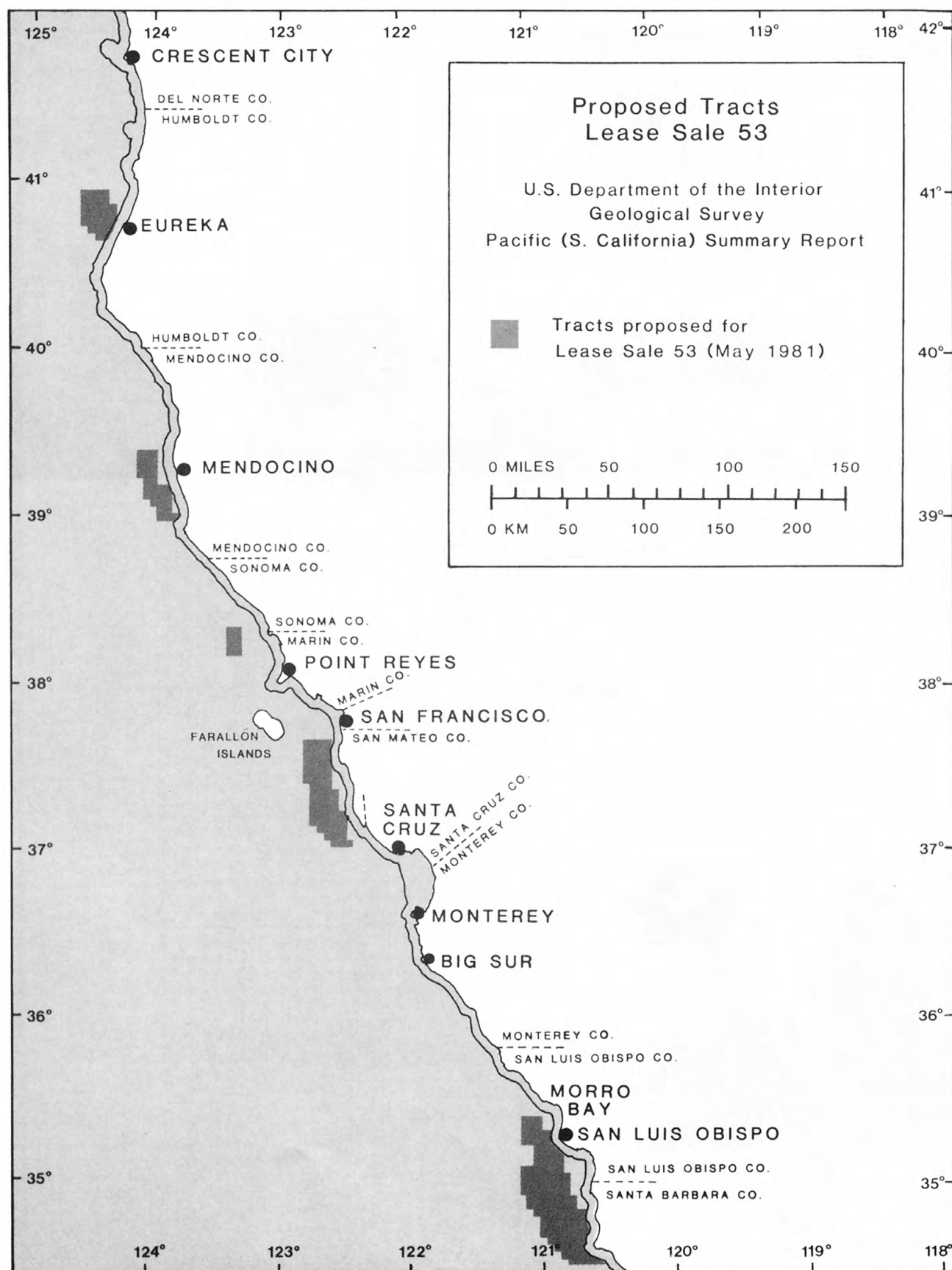


FIGURE 6.--Proposed tracts, Lease Sale 53. (Macpherson, George, and Bernstein, Janis, 1980, Outer Continental Shelf oil and gas activities in the Pacific (Southern California) and their onshore impacts: a summary report, May 1980: prepared for the Outer Continental Shelf Information Program, U.S. Geological Survey, by Rogers, Golden & Halpern, U.S. Geological Survey Open-File Report 80-645, p. 124.)

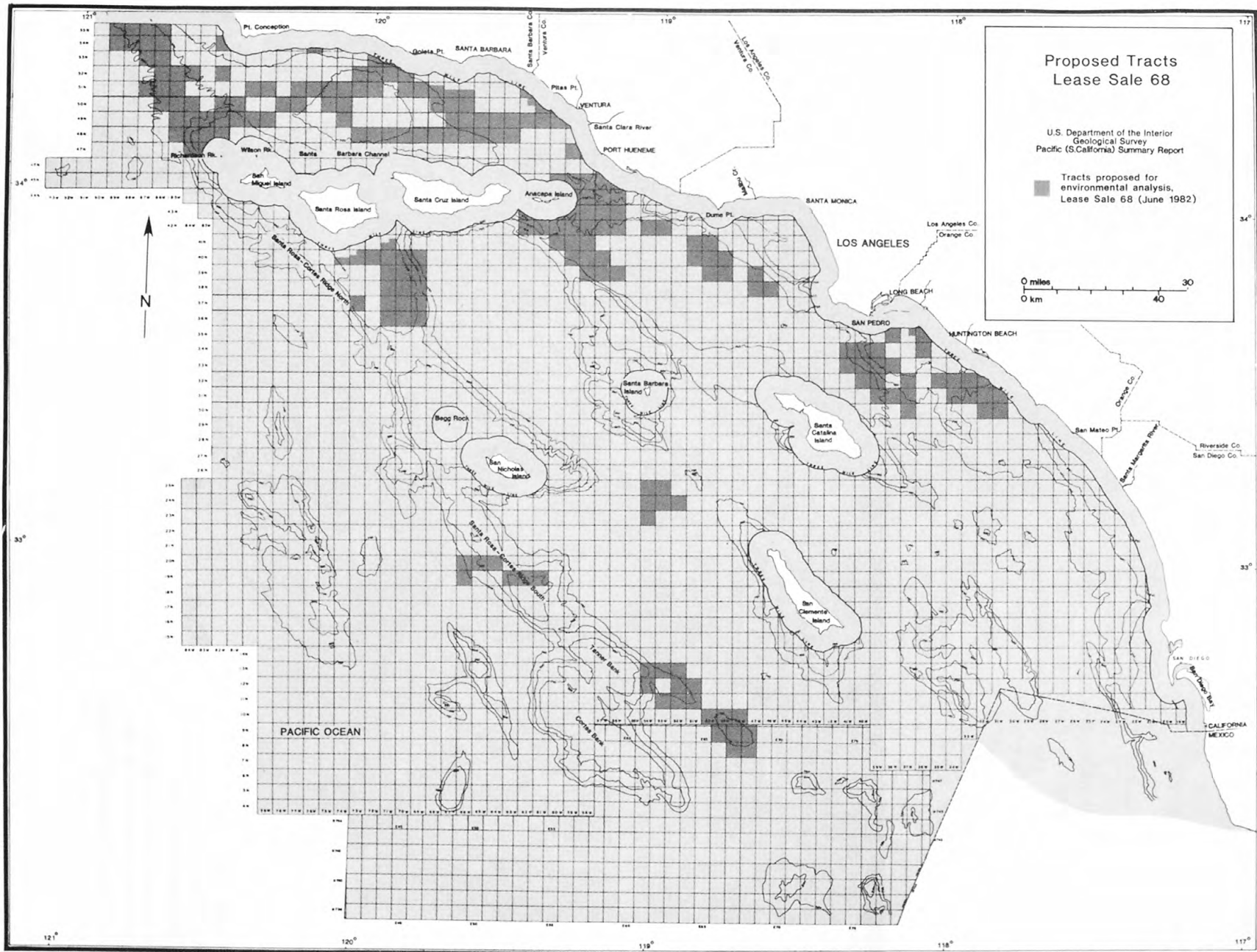


FIGURE 7.—Proposed tracts, Lease Sale 68. (Macpherson, George, and Bernstein, Janis, 1980, Outer Continental Shelf oil and gas activities in the Pacific (Southern California) and their onshore impacts: a summary report, May 1980: prepared for the Outer Continental Shelf Information Program, U.S. Geological Survey, by Rogers, Golden & Halpern, U.S. Geological Survey Open-File Report 80-645, p. 126.)

3, 4, 5, 7, and 8. In addition, no comments were received in response to the call for nominations. Since no development and production activities occurred on 1964 blocks, no documents were submitted for steps 10 through 13.

1966 LEASE SALE

The 1966 Lease Sale involved a single block in the Santa Barbara Channel. It was held on December 15, 1966. This Federal block was leased to protect it from drainage by adjacent State wells in the Carpinteria Offshore Field. Six exploratory wells were drilled in 1967. The block is currently in production and is the site of two platforms, Hogan and Houchin, erected by Phillips Petroleum Company. A total of 89 development wells have been drilled from these platforms, 51 of which are currently producing oil. Production from the two platforms peaked in 1969 at 28,000 barrels of oil per day and has been continuous since 1968, except for the period from February to April 1969. At that time, the Secretary of the Interior ordered that all drilling and production operations in the Santa Barbara Channel be halted following a major oil spill in January 1969 at the Dos Cuadras Field.

Since the 1966 Lease Sale involved a single block, no call for nominations and comments was issued. Also, because the sale predated the current leasing process, no documents exist for steps 1, 3, 4, 5, 7, 8, 10, and 11. The records concerning the permitting of a pipeline from Platform Hogan to shore no longer exist. The pipeline from Platform Houchin to Platform Hogan was covered under lease operations and did not require a permit.

1968 LEASE SALE

The 1968 Lease Sale was the first full-scale oil and gas lease sale off the Southern California coast. It was held on February 6, 1968. One hundred ten blocks in the Santa Barbara Channel were offered, and 71 of these were leased as a result of the sale. In some cases, companies holding leases off Southern

California have consolidated their operations on those leases through unitization, a cooperative agreement between two or more lease holders that allows one company to be the operator for exploration, development, and/or production on all affected leases. The advantages of exploring and/or developing an area as a unit are that unnecessary wells and duplicate facilities may be avoided and the ultimate recovery of hydrocarbons may be maximized. Four active units in the Santa Barbara Channel are composed of blocks leased in 1968: the Santa Rosa, Santa Clara, Santa Ynez, and Pitas Point Units. Additional development activities are also occurring on leases that are not unitized. These producing non-unitized leases are on the Dos Cuadras, Carpinteria Offshore, and Hueneme Offshore Fields.

As of June 1980, 131 exploratory wells have been drilled on blocks leased in 1968. Over 200 development wells have been drilled from seven production platforms: Exxon's Hondo (Santa Ynez Unit), Chevron's Grace (Santa Clara Unit), Sun Oil's Hillhouse (Dos Cuadras Field) and Henry (Carpinteria Offshore Field), and Union's Platforms A, B, and C (Dos Cuadras Field). Plans have been submitted for additional platforms on blocks in the Pitas Point Unit (Platform Habitat), Santa Clara Unit (Platform Gilda), and Hueneme Offshore Field (Platform Gina).

Union's Platform A, in the Dos Cuadras Field 9.7 km (6 mi) offshore from the town of Santa Barbara, was the site of a blowout on January 28, 1969. This resulted in a spill of an estimated 77,000 barrels of oil, and the consequent public outcry prompted the Secretary of the Interior to temporarily suspend all operations on Federal leases in the Santa Barbara Channel.

Because the 1968 Lease Sale was held prior to current regulations, no documents exist under steps 1, 4, and 5. Exploration and development and production plans, in their present form, and environmental assessments were not required prior to 1978. Therefore, plans for early exploratory and development activities do not contain all the information required by current regulations, and environ-

mental assessments do not exist for these early activities. These documents are available, however, for more recent activities.

LEASE SALE 35

Lease Sale 35 originally appeared on the 1973 OCS leasing schedule with an anticipated sale date of September 1974. However, Sale 35 was the first sale to be held in the Pacific after the major oil spill off Southern California in 1969, and it was delayed due to environmental concerns. The actual sale date was December 11, 1975.

Of the 231 blocks offered off Southern California, 56 were leased. As of November 1980, 40 exploratory wells had been drilled on 18 different leases. While none of these leases is yet in production, commercial discoveries have been made on leases OCS-P 0296, 0300, and 0301. These leases, along with lease OCS-P 0306 and unleased tract 255, comprise a proposed Beta Unit, for which Shell Oil Company would be the operator. A development and production plan for the Beta Unit was submitted in October 1977. This plan called for the construction of two drilling platforms (Ellen and Eureka) and one production platform (Elly). Ellen and Elly were set in early 1980 and drilling commenced on August 9, 1980, from Platform Ellen. The U.S. Geological Survey granted a right of use and easement to Shell in January 1980 to construct and maintain a subsea pipeline from Platform Elly (on lease OCS-P 0300) to shore.

Currently, 53 of the 56 leases resulting from Lease Sale 35 are still held. Three leases (OCS-P 0262, 0266, 0267) were relinquished in November 1979. Three more leases (OCS-P 0258, 0302, and 0310) are due to expire in November 1980. The primary term of 47 leases where no discovery has been made is January 31, 1981.

LEASE SALE 48

Lease Sale 48 first appeared on the November 1974 OCS leasing schedule with an anticipated sale date of May 1977. The call area included blocks from Point Conception to the Mexican border (approximately 32 degrees

N latitude). A great deal of concern was expressed by the public and State and Federal agencies prior to the sale. The issues raised during the comment period on the call for nominations and comments, at tract selection meetings and public hearings, and throughout the EIS process resulted in the deletion of approximately 70 blocks and the inclusion of a number of lease stipulations. During the preparation of the draft EIS, the Secretary of the Interior announced a new leasing schedule for 1979-81 on which Lease Sale 48 was rescheduled for June 1979.

Lease Sale 48 was held on June 29, 1979. It was the first Pacific sale following the enactment of current regulations regarding steps in the leasing process. Therefore, documents listed for Lease Sale 48 conform to the descriptions presented in chapter 3, p. 15.

Of the 148 blocks offered for lease, 54 were actually leased. Only one exploratory well has been drilled on a Sale 48 block (lease OCS P-0321) as of October 15, 1980. Thirteen exploratory wells are either approved or pending approval.

LEASE SALE 53

Lease Sale 53 appears on the current leasing schedule for 1980-85 with an anticipated sale date of May 1981. A final pre-sale environmental impact statement was released in September 1980. The 243 blocks considered in the EIS lie off Central California. This area coincides with blocks offered and leased in the 1963 Lease Sale. In October 1980, the Secretary announced that only 115 blocks in Santa Maria Basin will be offered in Sale 53. In February 1981, the Secretary issued a revised proposed notice of sale that included 126 blocks proposed for deletion in Northern California. These blocks are in the Eel River, Point Arena, Bodega Bay, and Santa Cruz offshore areas. The Governors of the affected States have 60 days to comment on this proposed notice.

LEASE SALE 68

Lease Sale 68 appears on the leasing schedule for 1980-85 with an anticipated sale

date of June 1982. If held, it will be the fifth Pacific lease sale to involve Southern California blocks. The tentative tract selection for Sale 68 was completed in May 1980, and the draft EIS is scheduled for completion in May 1981. Therefore, information is available for this sale only through step 3.

LEASE SALE 73

The 1980-85 leasing schedule has an anticipated sale date of May 1983 for Lease Sale 73. The resource reports for this sale have been received and are included in this document. The draft EIS for this sale is expected in April 1982.

3. Lease Sale Process

SALE-SPECIFIC DOCUMENTS AND DATA

This section lists documents and information relevant to each of the six oil and gas lease sales held for the Pacific OCS between May 1963 and July 1980. Existing pre-sale documents for Lease Sales 53 and 68, scheduled to be held in May 1981 and June 1982, respectively, are also listed. The types and amounts of documentation associated with each lease sale vary within the Pacific Region due to changes in Federal regulations over the Region's 17-year leasing history.

Regulations in effect prior to the OCS Lands Act Amendments of 1978 required fewer documents, and those required were of a less detailed nature than those called for by current regulations. The following changes in regulations are particularly important in accounting for differences in the documentation presented in this chapter.

- Resource reports (43 CFR 3312) were not required for the first four Pacific lease sales. For subsequent lease sales, these reports have become progressively more detailed and specific, and they have been requested of an increasing number of Federal and State agencies.
- State notification of tract selection (43 CFR 3313.2) and the publication of the proposed notice of sale (43 CFR 3315.1) were not required for lease sales prior to Sale 48.
- Secretarial issue documents (originally termed program decision option documents) were not required for lease sales prior to Sale 35.

- Exploration plans and development and production plans (30 CFR 250.34-1 and 250.34-2) have become increasingly detailed. Plans submitted prior to 1979 may not contain all the information listed in chapter 3, and they are not always accompanied by environmental reports. In addition, regulations requiring that plans be submitted for all exploration or development and production activities were not made final until December 1979.
- Compliance with the National Environmental Policy Act of 1969 (NEPA) has resulted in the requirements for a pre-sale EIS and environmental assessments on exploration and development and production plans (30 CFR 250.34-4).
- Executive Order No. 12044, issued in March 1978, has resulted in certain revisions in the language of pertinent Federal regulations. This order directed Federal agencies to make regulations as simple and clear as possible.
- Before Lease Sale 35, numbers were not assigned to Pacific lease sales.

It should be noted that only responses from Federal, State, and local government units are listed under "Step 1. Resource Reports" and "Step 2. Call for Nominations and Comments." Responses from special interest groups and individuals are not listed, but they are available at the regional OCS office indicated. It should also be noted that a single

respondent frequently submits information concerning more than one topic.

All documents listed in this chapter are available at the OCS office noted after each entry under the particular leasing process step. Copies may be obtained by contacting the appropriate office. The addresses and telephone numbers of these offices are listed on the inside front cover of this index.

STEP 1. RESOURCE REPORTS

43 CFR 3312.1

Approximately 6 months prior to the call for nominations and comments, the Director of the Bureau of Land Management, through the appropriate regional OCS office, requests resource reports from pertinent Federal agencies. Reports are also frequently requested from State agencies. The geographical area to which the resource reports pertain is quite broad. It is based on the proposed lease sale areas identified in the OCS leasing schedule and is developed through consultation among personnel in the regional BLM and USGS offices.

Resource reports are used primarily to identify significant issues that could preclude leasing specific tracts or that would require inclusion of stipulations in the lease. Resource reports are also used to assist the Bureau of Land Management in determining what additional information needs to be developed. In addition, the reports provide information that may be useful in defining the call area and in preparing the pre-sale environmental impact statement.

In response to the request for resource reports, the U.S. Geological Survey submits a summary report describing the general geology and potential mineral resources of the area under consideration. This summary report also contains a preliminary assessment of geologic hazards. The analysis and refinement of hazards and mineral resource data continues throughout the OCS leasing process. Other agency reports discuss the potential effects of mineral operations on the resources and uses

of the natural and socioeconomic environment. They describe such factors as biological and geological makeup, mineral occurrence, oceanographic factors, navigational and military uses, economic impact, sport and commercial fishing, recreational uses, coastal zone management, and environmental, sociological, and cultural values.

LEASE SALE 35 (1975)

Letters requesting resource reports on the Lease Sale 35 area were sent to a number of Federal agencies in July 1973. Thirteen agencies responded, addressing three major areas of concern: four agencies discussed the demand and potential market for Southern California hydrocarbons; possible adverse impacts on other natural resources, such as fish, wildlife, and park land, were noted by four other agencies; and the remainder of the responses identified potential conflicts with operations on or near the OCS, such as military activities. In addition to these responses, two open-file reports were prepared by the U.S. Geological Survey. These reports discussed geological and technological data relevant to the Sale 35 area.

Resource Reports

Army Corps of Engineers, 1 p.	8/8/73
Bureau of Mines, 3 p. and attachment.	8/10/73
Office of Environmental Affairs, Department of Transportation, 2 p.	8/14/73
Director, U.S. Geological Survey, 1 p.	8/15/73
Office of Oil and Gas, Department of the Interior, 1 p. and 4 p. attachments.	8/15/73
National Oceanic and Atmospheric Administration, 1 p. and 13 p. attachments.	8/17/73
National Park Service, 1 p. and 4 p. attachments.	8/22/73
Bureau of Outdoor Recreation, Office of Environmental Affairs, 1 p. and 16 p. attachments.	8/24/73

Secretary, Department of the Treasury, 1 p.	8/28/73
Fish and Wildlife Service, 3 p.	8/29/73
Federal Power Commission, 2 p. and 7 p. attachments.	9/5/73
Office of the Assistant Secretary, Department of the Army, 1 p.	9/21/73
Secretary, Department of Defense, 3 p.	9/24/73
U.S. Geological Survey, Open-File Report 75-596, 62 p.	1975
U.S. Geological Survey, Open-File Report 76-232, 65 p.	1976

Availability: Resource report letters, BLM. Open-file reports, USGS.

LEASE SALE 48 (1979)

Requests for resource reports for Lease Sale 48 were issued to 12 Federal agencies by the BLM Pacific OCS Office on March 31, 1976. The responses covered a wide range of issues. Three agencies discussed the market for Southern California hydrocarbons and the availability of capital, manpower, and infrastructure to develop those resources. Two of these agencies also outlined the impact of Southern California oil and gas on the national energy situation. Two agencies pointed out that offshore oil and gas activities could seriously conflict with the operations of the Department of Defense Western Test Range.

Biological resources were discussed in six of the responses. Some of these letters identified areas of significance such as fisheries and wildlife refuges. Special mention was made of Channel Islands National Monument, Seal Beach National Wildlife Refuge, and the activities of the Marine Boundary and Tidal Survey Program. One letter noted that the area under consideration for leasing is archeologically very rich: at least 33 archeological sites are known to exist off Southern California. This letter also pointed out that many properties on the National Register of Historic Places are located onshore in the seven counties adjacent to the proposed leasing area. One respondent discussed the multi-billion-dollar marine recreation industry of

Southern California, and two others emphasized the need for coordination with State coastal zone management planning. Finally, one letter each mentioned deepwater geological risks and State oil sanctuaries.

In addition to these resource reports, the U. S. Geological Survey prepared a report entitled "A Summary Report of the Regional Geology, Petroleum Potential, Environmental Geology, and Technology for Exploration and Development in the Area of Proposed Lease Sale No. 48." A package of data on geologic hazards on the Sale 48 area was also prepared. Both the report and data pack are available from the National Geophysical and Solar-Terrestrial Data Center, NOAA/EDIS/NGSDC, Code D621, Boulder, CO 80303.

Resource Reports

Bureau of Mines, 2 p.	4/28/76
Federal Energy Administration, 2 p.	5/5/76
National Aeronautics and Space Administration, 2 p.	5/17/76
National Park Service, 2 p.	5/17/76
Federal Power Commission, 2 p. and attachment.	5/20/76
Bureau of Outdoor Recreation, Department of the Interior, 3 p.	6/3/76
National Oceanic and Atmospheric Administration, 2 p. and attachment.	6/7/76
Environmental Protection Agency, 2 p.	6/19/76
Fish and Wildlife Service, 1 p. and 10 p. attachments.	6/25/76
Assistant Secretary of Defense, Installations and Logistics, Department of Defense, 3 p. and attachment.	6/28/76
U.S. Geological Survey, Open-File Report 76-787, 53 p.	6/76
U.S. Geological Survey Data Pack 700 (Geological Hazards).	n.a.

Availability: Resource report letters, BLM. Open-file report and data pack, see text.

n.a. = Data not available.

LEASE SALE 53 (1981)

Resource reports for Lease Sale 53 were requested by the Assistant Director of the Bureau of Land Management in Washington on December 30, 1976. Letters were sent to 15 Federal agencies, and responses were requested by March 4, 1977. However, in January 1977 Cecil Andrus replaced Thomas Kleppe as Secretary of the Interior, and Andrus announced in February 1977 that the call for nominations and comments for Sale 53 would be postponed. The authority for requesting resource reports was then formally delegated to the regional BLM office. A second request for resource reports was made on September 30, 1977. In addition to the original 15 Federal agencies, 13 State agencies were asked to respond by December 1, 1977.

A total of 38 responses, including 6 from special interest groups, were received. Six agencies responded to both requests, and four supplied additional information in their second responses.

Information was received concerning a large number of areas. The use conflicts most frequently identified were (1) between OCS oil and gas activities and shipping traffic and (2) between OCS activities and national forests and parks. The biological significance, esthetic qualities, and recreational value of forests and parks were noted in over one-third of the responses. Particular mention was made of King Range National Conservation Area, Redwood National Forest, Point Reyes National Seashore, and Golden Gate National Recreation Area. The USGS response (Open-File Report 77-593) presented estimates of the hydrocarbon potential of the area.

Information was also provided on the market for Southern California hydrocarbons, hydrocarbon production and consumption, State oil sanctuaries, transportation alternatives for oil and gas, hazards from low-flying aircraft and launch vehicle debris, and ocean dumping sites. The need for additional studies and information on oil spill cleanup technology and fishing grounds was expressed by several respondents. The need for air, water, and noise pollution controls was discussed by oth-

ers. In addition, two respondents noted the need for early Federal, State, and local coordination and cooperation throughout the leasing process.

Resource Reports

Director, Office of Regulatory and Legislative Policy, Department of the Treasury, 1 p.	1/11/77
Acting State (Oregon) Director, Bureau of Land Management, 1 p.	1/20/77
Assistant Administrator for Energy Resource Development, Federal Energy Administration, 2 p. and attachment.	1/28/77
Acting Director, Bureau of Mines, 2 p.	2/1/77
Chairman, Federal Power Commission, 7 p.	2/15/77
State (California) Director, Bureau of Land Management, 2 p.	3/2/77
Acting Director, Bureau of Outdoor Recreation, Department of the Interior, 4 p.	3/3/77
Acting Assistant Secretary for Environmental Safety and Consumer Affairs, Department of Transportation, 1 p.	3/4/77
Acting Associate Assistant Secretary, Fish, Wildlife and Parks, 1 p. and attachment.	3/23/77
Director of Recreation Management, Forest Service, 3 p. and 9 p. attachments.	4/5/77
U.S. Geological Survey, Open-File Report 77-593, 63 p.	7/77
Division of Oil and Gas, California Department of Conservation, 1 p.	10/13/77
Acting Assistant Secretary for Environmental Safety and Consumer Affairs, Department of Transportation, 1 p.	10/14/77
Federal Energy Administration, 1 p.	10/19/77
Federal Aviation Administration, 1 p.	10/26/77
State (California) Director, Bureau of Land Management, 1 p. and attachment.	10/26/77
Associate Assistant Secretary for Fish, Wildlife and Parks, 1 p. and 10 p. attachments.	11/3/77

Acting Director, Bureau of Mines, 1 p. and 6 p. attachments.	11/3/77
California Department of Navigation and Ocean Development, 1 p.	11/4/77
Forest Service, 1 p.	11/14/77
Deputy Assistant Secretary for Commod- ities and Natural Resources, Department of the Treasury, 1 p.	11/25/77
Assistant to the Governor of Oregon for Natural Resources, 2 p.	11/28/77
Executive Officer, California State Lands Commission, 6 p.	11/28/77
National Aeronautics and Space Administration, 1 p.	11/29/77
Office of Federal Activities, Environ- mental Protection Agency, 2 p. and 1 p. attachment.	11/30/77
Santa Cruz County Board of Supervisors, 2 p.	12/6/77
California Air Resources Board, 20 p.	12/19/77
California Public Utilities Commission, 3 p.	12/21/77
Deputy Assistant Secretary for Instal- lations and Housing, Department of Defense, 3 p. and 30 p. attachments.	12/22/77
California Department of Parks and Recreation, 3 p.	12/28/77
California State Lands Commission, 1 p.	12/29/77
Regional Office, Fish and Wildlife Service (Oregon), 1 p.	12/23/77
U.S. Geological Survey, Open-File Report 80-198, 102 p.	1980

Availability: Resource report letters, BLM. Open-file report, USGS.

LEASE SALE 68 (1982)

The request for resource reports for Lease Sale 68 was issued by the BLM Pacific OCS Office on August 31, 1979. Replies were requested by October 29, 1979. Thirty-two Federal, State, and local governmental units were contacted, of which 20 responded. Six of the respondents referred the Bureau of Land

Management to their reports submitted in response to Sales 35 and 48, and four enclosed or referred the Bureau of Land Management to additional studies.

About half the respondents supplied information pertinent to the protection of biological resources. Specific mention was made of the vulnerability of wetlands and aquatic habitats to the effects of oil spills. Areas noted as requiring protection included Channel Islands National Monument, Santa Monica National Recreation Area, Cabrillo National Monument, Santa Barbara Channel Marine Sanctuary, and Seal Beach National Wildlife Refuge.

Three agencies discussed the need for expanding domestic hydrocarbon production and the availability of manpower, technology, and infrastructure to do so. Two respondents supplied geological and geophysical data, including seismic information. Other agencies discussed operations at Vandenberg Air Force Base, the need for coordination of OCS activities with the States, air quality, the fishing industry, navigational hazards, and potential onshore impacts of OCS development.

The U.S. Geological Survey summary report concerning the regional geology, environmental geology, and operational considerations in the area of the proposed sale is available from the USGS Los Angeles office (Open File Report 80-198).

Resource Reports

Associate Regional Director, Resource Management Planning, Western Region, National Park Service, 1 p.	9/13/79
Secretary, Department of Energy, 2 p. and 3 p. attachments.	9/20/79
Chief, Forest Service, 1 p. and attachment.	9/26/79
Assistant Secretary for Economic Policy, Department of the Treasury, 1 p.	9/26/79
Associate Administrator, National Aero- nautics and Space Administration, 1 p.	10/1/79

Resource Reports (Continued)

Assistant Director, Bureau of Mines, 1 p.	10/1/79
Acting State (California) Director, Bureau of Land Management, 1 p.	10/12/79
California Department of Fish and Game, 1 p.	10/16/79
Chairman, San Diego County Board of Supervisors, 2 p. and 2 p. attachments.	10/16/79
Chairman, Ventura County Board of Supervisors, 2 p.	10/17/79
Chairman, Santa Barbara County Board of Supervisors, 1 p.	10/22/79
California State Lands Commission, 2 p.	10/30/79
Director, Fish and Wildlife Service, 1 p. and 3 p. attachments.	10/25/79
Executive Director, California Coastal Commission, 1 p.	10/30/79
Director, U.S. Geological Survey, 1 p. and 33 p. attachments.	10/79
State Geologist, Division of Oil and Gas, California Department of Conservation, 1 p. and 33 p. attachments.	11/1/79
Administrator, National Oceanic and Atmospheric Administration, 8 p. and attachment.	11/6/79
U.S. Coast Guard, 7 p.	11/7/79
Chairman, Los Angeles County Board of Supervisors, 2 p.	11/21/79
Deputy Assistant Secretary for Installa- tions and Housing, Department of Defense, 1 p. and 4 p. attachments.	12/3/79

Availability: BLM.

LEASE SALE 73 (1983)

The request for resource reports for Lease Sale 73 was issued by the Pacific BLM office on July 31, 1980. Replies were requested by September 30, 1980. Fifty-two requests were sent to 24 government agencies, 10 State agencies, 13 counties and 5 organizations. Twenty-three responses were received. The area under consideration was broadly defined as "offshore California."

The Federal agencies responding stressed the protection of marine sanctuaries, National

Refuges, and breeding areas of threatened and endangered species, as well as protection of areas of defense activity. The U.S. Geological Survey submitted a report concerning environmental geology, OCS resource appraisals, petroleum potential, and operational considerations in the area of the proposed sale (Open File Report 80-2007). The State of California referred to material previously submitted, including comments made at the Sale 53 hearings. These previous comments stressed the need for delay of leasing in Central and Northern California in order to allow time to complete environmental studies. The coastal counties asked that all areas deleted from previous calls and sales be again excluded. Los Angeles and San Diego Counties recommended excluding all tracts within 80.5 km (50 mi) of their shorelines.

Resource Reports

Chief, Office of Marine Environment and Systems, U.S. Coast Guard, 1 p.	8/8/80
Manager, Pacific OCS Office Bureau of Land Management, 1 p. and 4 p. attachments.	8/19/80
Associate Administrator, National Aeronautics and Space Administration, 1 p.	8/28/80
Coordinator for Local Governments, CEIP, Department of Environmental Management, 1 p. and 1 p. attachment.	8/29/80
Assistant Administrator, Office of Petroleum Operations, Economic Regula- tory Administration, 1 p.	9/2/80
Director, Office of Pipeline and Pro- duction Regulation, Federal Energy Regulatory Commission, 1 p.	9/9/80
Environmental Unit, California Department of Boating and Waterways, 1 p.	9/9/80
Planning Director, Los Angeles County Department of Regional Planning, 1 p. and 13 p. attachments.	9/9/80
Chairman, San Diego County Board of Supervisors, 2 p. and 2 p. attachments.	9/22/80
Director, Leasing Policy Development Office, Resource Applications, Department of Energy, 1 p.	9/23/80
Chief, Resource Protection Division, California Department of Parks and Recreation, 1 p.	9/25/80

Planning Director, Department of Environmental Management, San Mateo County Planning and Development Division, 1 p. and 6 p. attachments.	9/29/80
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Executive Offices, California State Lands Commission, 1 p.	9/29/80
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Director, Resource Agency, California Department of Fish and Game, 1 p.	9/29/80
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Acting Director, Office of Ocean Resources, National Oceanographic and Atmospheric Administration, 1 p. and 134 p. attachments.	9/30/80
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Director of Planning, Sonoma County Department of Planning, 1 p.	9/30/80
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Director, Office of Environmental Review, Environmental Protection Agency, 2 p.	10/1/80
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Director, Santa Barbara County Department of Environmental Resources, 3 p.	10/2/80
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Mayor, Trinidad, 1 p.	10/2/80
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Acting Regional Director, Fish and Wildlife Service, 2 p. and attachment.	10/6/80
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Director, U.S. Geological Survey, 1 p. and 232 p. attachments.	10/9/80
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Director, Division of Mines and Geology, Division of Oil and Gas, California Department of Conservation, 7 p.	10/15/80
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Deputy Assistant Secretary of Defense, 6 p.	10/20/80
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U.S. Geological Survey, Open-File Report 80-2007, 134 p.	1980
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Availability: Resource report letters, BLM. Open-file report, USGS.

identify further information needs. It does not, however, commit the Department of the Interior to a particular lease sale. The call includes a request for nominations of specific blocks and a request for comments on specific blocks that should receive special concern and analysis. In addition, it may include a request for information concerning geological conditions, archeological or cultural sites, multiple uses of the proposed leasing area, and other socioeconomic, biological, and environmental information.

Upon approval by the Secretary of the Interior, the Director of the Bureau of Land Management issues the official call for nominations and comments, which is published in the Federal Register. All interested parties, including Federal and State agencies, local governments, industry, special interest groups, and the public may respond to the call. Nominations and comments are sent to the appropriate regional BLM office, with copies to the Directors of the Bureau of Land Management and the U.S. Geological Survey in Washington and to the Regional Conservation Manager of the Survey. Respondents are allowed at least 60 days to submit nominations and comments.

Comments are usually of a general nature and are available for public examination at the appropriate regional BLM office. However, specific block nominations are considered to be proprietary. Information concerning nominations is available to the public in summary form only through news releases, which list industries making nominations, and through accompanying maps, which show blocks with high, medium, and low industry interest.

STEP 2. CALL FOR NOMINATIONS AND COMMENTS

43 CFR 3313.1-2

After reviewing the resource reports, the Bureau of Land Management and the U.S. Geological Survey define the geographical area to be covered in the call for nominations and comments. The call covers large contiguous areas extending over several million acres, but normally less extensive than the area to which the resource reports pertained. The purposes of the call for nominations and comments are to gather information regarding industry and public interest in developing particular blocks within the call area and to

1963 LEASE SALE

Federal Register Call

Vol. 27, no. 20, p. 867, January 30, 1962.

1964 LEASE SALE

Federal Register Call

Vol. 28, no. 158, p. 8328, August 14, 1963.

News Release

Interior Calls for Oregon-Washington Offshore Leasing Nominations, August 9, 1963. Available from BLM.

1968 LEASE SALE

Fourteen companies nominated approximately 150 separate blocks in the call area for the 1968 Lease Sale. Seven comment letters were also received in response to the call, six from State and local officials and one from a resident of Santa Barbara, California. All the letters addressed the issue of preservation of the scenic beauty of the seashore and coastal waters of Southern California. The letters from State and local officials included copies of resolutions adopted by the California Senate, the City of Carpinteria, and the City and County of Santa Barbara concerning the need for lease stipulations to protect the esthetic resources of the Santa Barbara Channel.

Federal Register Call

Vol. 31, no. 251, p. 16629, December 29, 1966.

Comments from Government Agencies

Santa Barbara County Board of Supervisors.	12/21/66
City Clerk, Santa Barbara.	12/27/66
Senator George Murphy.	1/3/67
Senator George Murphy.	1/10/67
Mayor, Carpinteria.	1/67
Secretary, California State Senate.	2/6/67

Availability: BLM.

LEASE SALE 35 (1975)

The official call for nominations and comments for Lease Sale 35 was published in the Federal Register on January 2, 1974. Seventeen companies nominated approximately

300 separate blocks. Eight letters of comment were received. Two were from Federal agencies: the Fish and Wildlife Service had no comments to offer; and the Environmental Protection Agency discussed the need for environmental protection, particularly in the context of the total marine biota. The Agency also pointed out the need to be aware of ocean dumping sites that would conflict with oil and gas development activities. One response came from a State agency, and it identified Federally owned lands adjacent to State-owned lands and State oil sanctuaries. One letter was sent by private industry supporting offshore development. Three letters from private groups stressed the need for additional geological, technological, biological, meteorological, and oceanographic information. These responses also stressed that improvement was required in oil spill containment and recovery systems and that exploration, development, and production activities be conducted under stringent monitoring and control. One individual also responded to the call: he expressed extreme concern about the negative visual impacts of platforms offshore and despoliation of the environment as a result of oil company activities in general.

Federal Register Call

Vol. 39, no. 1, p. 18, January 2, 1974.

Comments from Government Agencies

Assistant Executive Director, California State Lands Division, 1 p. and attachment.	3/13/74
Fish and Wildlife Service, 1 p.	3/1/74
Environmental Protection Agency, 1 p.	3/4/74

Availability: BLM.

LEASE SALE 48 (1979)

The official call for nominations and comments for Lease Sale 48 was issued on July 16, 1976. Seventeen companies nominated approximately 980 separate blocks. In addition, comments were received from 68 gov-

ernment officials, special interest groups, and individuals. All but one of the respondents expressed strong concern over Sale 48, and many specifically called for no further leasing off the Santa Barbara County coast.

The majority of respondents discussed at least one of five major issues. These were as follows: (1) the inadequacy of oil spill containment and cleanup technology and the ecologically detrimental effects of an oil spill; (2) geological hazards, such as earthquakes and the potential for oil seepage during drilling due to geological conditions; (3) the unproven and experimental nature of deepwater drilling technology; (4) conflict between oil and gas activities and shipping traffic; and (5) the need for protection of unique and fragile ecological and esthetic resources of the Santa Barbara area. Other areas of concern mentioned by at least four respondents were air pollution, potential local onshore impacts, the need to develop alternative sources of energy and a comprehensive national energy policy, concern for particular threatened species such as sea birds and marine mammals, and potential adverse effects of oil and gas development on the local tourist economy. In addition, three comments discussed fishing industry concerns, and two each expressed the concern that further baseline studies be conducted and that all OCS activities be closely monitored.

In July 1976, a lawsuit was filed in United States District Court, Central District of California, against the Department of the Interior. This suit, **People (State of California) v. Kleppe**, was prompted by concern that ecological impacts of OCS activities would not be adequately considered in formulating future leasing schedules and, in particular, in deciding when lease sales were scheduled for the Southern California OCS. The plaintiffs contended that an EIS was necessary prior to further leasing in Southern California or the nationwide acceleration of OCS leasing called for in President Nixon's 1973 directive. The case was dismissed without a decision.

Federal Register Call

Vol. 41, no. 138, p. 29440, July 16, 1976.

News Release

Seventeen Companies Nominate Five Million Acres for Proposed Oil and Gas Lease Sale (OCS 48) Offshore Southern California, October 6, 1976. Available from BLM.

Comments from Government Agencies

Mayor, Newport Beach, 2 p.	7/28/76
Mayor, San Diego, 2 p.	8/6/76
Los Angeles County Board of Supervisors, 4 p.	9/3/76
Chairman, Santa Barbara County Board of Supervisors, 3 p.	9/7/76
Chairman, San Diego County Board of Supervisors, 1 p.	9/7/76
Intergovernmental Coordinator, Comprehensive Planning Organization of the San Diego Region, 1 p.	9/7/76
Deputy Planning Director, Planning Department, San Luis Obispo County Board of Supervisors, 2 p.	9/8/76
Environmental Protection Agency, 2 p.	9/8/76
California Assistant Attorney General, 15 p. and attachment.	9/14/76
U.S. Coast Guard, 3 p.	9/24/76
Santa Barbara County Office of Environmental Quality, 2 p. and attachment.	10/7/76
San Diego County Board of Supervisors, 7 p.	11/10/76
Mayor, Laguna Beach, 2 p.	11/12/76
Assistant Chief Administrative Office, San Diego County Integrated Planning Office, 1 p. and attachment.	11/16/76
Chairman, Santa Barbara County Board of Supervisors, 1 p.	12/13/76
Mayor, Del Mar, 1 p.	12/13/76
Chairman, San Diego County Board of Supervisors, 2 p.	12/13/76
Congressman Robert Lagomarsino, 1 p.	12/15/76
President, Encinitas Chamber of Commerce, 1 p.	12/22/76
Senator S. I. Hayakawa, 1 p.	3/22/77

Availability: BLM.

LEASE SALE 53 (1981)

The official call for nominations and comments for Sale 53 was issued on November 29, 1977, for 2,036 blocks covering approximately 4 million hectares (10 million acres). The call area extended from Point Conception, California, to the California-Oregon border. The comment period deadline was set for June 14, 1978, but was extended until July 10, 1978.

A total of 27 oil companies nominated 1,743 separate blocks. In addition to industry nominations, 49 responses were received from Federal, State, and local government units, special interest groups, and the public, 21 of which included tract-specific negative nominations. The areas receiving negative nominations included the OCS tracts off Del Norte, Humboldt, Marin, Monterey, San Luis Obispo, San Mateo, Santa Cruz, and Sonoma Counties. Among those making these negative nominations were the Fish and Wildlife Service, the National Oceanic and Atmospheric Administration, State agencies, local governments, and citizen groups. The concerns voiced included (1) protection of the natural and esthetic resources of the coastal forests and parks; (2) protection of endangered and threatened species, especially the sea otter; (3) preservation of air quality; (4) potential for adverse economic and cultural impacts onshore; (5) conflict with the fishing industry; (6) seismic instability; (7) low resource potential of the tracts being offered, based on the results of the 1963 Lease Sale; and (8) adverse impacts on coastal recreational uses.

Twenty-eight additional letters of comment did not include tract-specific nominations. Two of these letters supported Sale 53. One, from a utility, noted that OCS development would benefit the national energy situation. The other, from an oil company, suggested that no tracts be deleted unless well-defined geologic hazards existed on them.

The 26 remaining comments, largely from local interest groups and individuals, again raised many of the issues associated with previous lease sales. The majority of these respondents stressed the inadequate trade-off being made between potential environmental degradation and the development of tracts with low resource potential. Particular

concern was expressed for the fragile and unique biological and esthetic resources of the Northern and Central California coast. About one-third of these 26 respondents also discussed potential impacts on the State's fishing industry, especially the effects of oil spills. Other issues mentioned by at least four commenters were seismic hazards and potential damage to areas used for recreation and research. In addition, air pollution, adverse impacts on local communities, and the impacts of the transportation of Alaska oil and gas were discussed by three respondents each.

Federal Register Call

Vol. 42, no. 229, p. 60794, November 29, 1977.

News Releases

Nominations and Comments Sought for Proposed Oil and Gas Lease Sale Offshore California (OCS 53). 11/29/77

27 Companies Nominate 8.4 Million Acres for Proposed Oil and Gas Lease Sale (OCS 53) Offshore Central and Northern California. 8/1/78

Availability: BLM.

Comments from Government Agencies

President, Association of Monterey Bay Area Governments.	1/12/77
Monterey Bay Unified Air Pollution Control Board.	1/19/77
City Manager, Scotts Valley.	2/14/77
City of Watsonville.	2/23/77
Mayor, Carmel-by-the-Sea.	5/15/77
Monterey County Board of Supervisors.	4/11/78
California Department of Parks and Recreation.	6/1/78
San Mateo County Board of Supervisors.	6/6/78
Planning Department, San Luis Obispo.	6/9/78
California State Lands Commission.	6/8/78

San Mateo County Department of Environmental Management.	6/8/78
City of Morro Bay.	6/13/78
Humboldt County Association of Governments.	6/14/78
Fish and Wildlife Service.	6/8/78 6/29/78
National Oceanic and Atmospheric Administration.	6/19/78
Sonoma County Board of Supervisors.	6/20/78
Marin County Board of Supervisors.	6/20/78
Office of Planning and Research and California Coastal Commission.	6/20/78 7/3/78
County of Santa Barbara.	6/12/78
City Administrator, Fort Bragg.	8/21/78
Chairman, U.S. House of Representatives Subcommittee on Environment, Energy, and Natural Resources.	9/5/78

Availability: BLM.

LEASE SALE 68 (1982)

The official call for nominations and comments for Sale 68 was issued on December 28, 1979. The call area included 6.6 million hectares (16.3 million acres) extending from Point Conception south to the U.S.-Mexican border. Certain blocks north of the Channel Islands and west of San Diego were deleted from the call area in December 1979.

Ten companies and one individual nominated 609 blocks constituting almost 1.3 million hectares (3.2 million acres). The blocks lie between 4.8 and 217 km (3 and 135 mi) offshore in water depths varying from 9 to 12,192 m (30 to 40,000 ft). Ninety-four comments were received in response to the call from Federal, State, county, and city agencies, special interest groups, and individuals.

Seventy-three comments dealt specifically with leasing in the Santa Barbara Channel. The call area included the Federal Ecological Preserve offshore from Santa Barbara and the area proposed to become the Santa Barbara Channel Marine Sanctuary. Sixty of the comments on the Santa Barbara Channel called for no leasing of the preserve and/or sanctuary tracts. The respondents stressed

that OCS oil and gas development was incompatible with the purposes of the preserve and sanctuary, especially with regard to protecting marine mammals, seabirds, and fishery resources from oil spills and pollution. Other responses about leasing in the Santa Barbara Channel addressed the potential for earthquakes, navigational hazards, shipping accidents, and adverse effects on air quality, tourism, and the esthetic resources of the area.

Twenty-seven comments dealt with coastal areas other than the Santa Barbara Channel. Fourteen of these responses concerned the Santa Monica Bay area, which had been deleted from previous lease sales. Most of these 14 responses noted that the local economy was dependent on recreational uses of the bay and beaches. These respondents expressed the concern that air and water pollution, navigational conflicts, oil spills, and adverse visual impacts would cause serious environmental, cultural, and economic costs. Many also noted that the bay area is earthquake-prone.

Comments were also received recommending tract deletions in other areas due to geologic conditions, deep water, biological significance, air pollution, military operations, esthetic considerations, and shipping traffic.

Federal Register Call

Vol. 44, no. 250, p. 76867, December 28, 1979.

News Releases

Southern California OCS Call for Nominations and Comment Issued.	12/28/79
Nominations and Comments Sought for Proposed Oil and Gas Lease Sale Offshore Southern California (OCS 68).	12/28/79
10 Companies Nominate 3.2 Million Acres for Proposed Oil and Gas Lease Sale (68) Offshore Southern California.	3/18/80
10 Companies Nominate 3.2 Million Acres, 94 Comment on Proposed Southern California Offshore Sale.	3/31/80

Availability: BLM.

Comments from Government Agencies

City of Newport Beach.	1/3/80
San Diego Comprehensive Planning Organization.	1/15/80
Department of Air Force, Vandenberg Air Force Base.	1/15/80
Senator Alan Cranston.	1/31/80
Chairman, Santa Barbara County Board of Supervisors.	2/11/80
City of Laguna Beach.	2/12/80
South Central Coast Regional Commission.	2/19/80
City of Santa Monica.	2/20/80
Acting Regional Director, Fish and Wildlife Service.	2/20/80
U.S. Coast Guard.	2/22/80
City of Palos Verdes.	2/25/80
South Coast Air Quality Management District.	2/26/80
City Council, Carpinteria.	2/26/80
California Coastal Commission.	2/27/80
City of Torrance.	2/27/80
Chairman, San Diego County Board of Supervisors.	2/27/80
U.S. Naval Commander, 11th Naval District.	2/27/80
Senator Alan Sieroty, California Legislature.	2/28/80
California Air Resources Board.	2/28/80
Mayor, Los Angeles.	2/29/80
Los Angeles County Board of Supervisors.	2/29/80
Director, California Office of Planning and Research.	2/29/80
Planning Director, Los Angeles County Department of Regional Planning.	2/29/80
Chairman, California State Legislature Subcommittee on Energy.	2/27/80
Assistant Administrator, Office of Coastal Zone Management, National Oceanic and Atmospheric Administration.	3/4/80
Chairman, Ventura County Board of Supervisors.	3/5/80

Availability: BLM.

STEP 3. TENTATIVE TRACT SELECTION AND STATE NOTIFICATION

43 CFR 3314.1-2

After the call for nominations and comments is closed, a tentative selection of tracts, also known in California as blocks, is made for further analysis in an environmental impact statement and consideration for leasing. The Federal agencies with primary responsibility for tract selection are the Bureau of Land Management and the U.S. Geological Survey. The regional BLM and USGS offices evaluate the nominations and comments received in response to the call, the past leasing history of the area, all available environmental information, including geological, geophysical, and oceanographic data, socioeconomic considerations, multiple-use conflicts, and resource potential. The regional Fish and Wildlife Service may contribute additional information and recommendations concerning biological resources. The members of the Regional Technical Working Group Committee may also make recommendations based on their knowledge of the call area. State and local agencies are strongly encouraged to participate in the tentative tract selection process at regional meetings.

The regional BLM and USGS offices prepare a report recommending tracts for leasing. This joint field report contains a list of tracts identified by block number on protraction diagrams, acreage, average water depths, and preliminary stipulations. The report is submitted to the Washington headquarters of the Bureau of Land Management and the U.S. Geological Survey for review. The Director of the Bureau of Land Management, in consultation with the Director of the U.S. Geological Survey and other Federal agencies, then submits a recommendation on tract selection to the Secretary of the Interior. Once the Secretary has approved the tentative tract selection, the Governors of affected States are notified and a news release is issued.

1968 LEASE SALE

State Notification

State, California; Governor, Ronald Reagan, July 27, 1967.

LEASE SALE 35**Joint Field Report**

Joint Recommendation for proposed Southern California Sale 35, April 19, 1974. Available from BLM.

News Release

Offshore California Oil and Gas Lease Tract Selection for Environmental Study, August 12, 1974. Available from BLM.

LEASE SALE 48 (1979)

Prior to the tentative tract selection for Lease Sale 48, a series of meetings were held between the Bureau of Land Management, U.S. Geological Survey, Fish and Wildlife Service, State and local government officials, and other interested groups. These meetings occurred in September and October 1976. Present and possible future environmental or other conflicts with OCS oil and gas activities were discussed.

State Notification

State, California; Governor, Edmund G. Brown, Jr.; September 10, 1976.

Joint Field Report

Joint Recommendations for Proposed Southern California Sale 48, November 29, 1976. Available from BLM.

News Release

Interior Makes Tract List Available for Possible Southern California Offshore Sale (OCS 48), January 18, 1977. Available from BLM.

LEASE SALE 53 (1981)

Prior to the tentative tract selection for Lease Sale 53, a series of meetings were held between the Bureau of Land Management, U.S. Geological Survey, Fish and Wildlife Service, State and local government officials, and other interested groups. These meetings occurred in July and August 1978. Present and possible future environmental or other conflicts with OCS oil and gas activities were discussed.

Joint Field Report

Joint Recommendations for Proposed Central and Northern California Sale 53, August 25, 1978. Available from BLM.

State Notification

State, California; Governor, Edmund G. Brown, Jr., September 27, 1968.

News Release

Interior Selects 1.3 Million Acres for Environmental Study Offshore California (OCS 53), October 11, 1978. Available from BLM.

LEASE SALE 68 (1982)

A number of environmental briefings and tract selection meetings dealing with proposed Sale 68 were held in March and April 1980 in California and Washington, D.C. The joint USGS/BLM field report was submitted in April 1980, and the tentative tract selection list was prepared in May 1980. The Santa Monica Bay and the Federal Ecological Preserve were deleted and will not be considered in the EIS. Seventy-two tracts on which conflicts would arise with activities conducted by the Pacific Missile Range were also deleted.

State Notification

State, California; Governor, Edmund G. Brown, Jr., March 28, 1980.

Joint Field Report

Tract Selection Recommendations for Sale 68, April 7, 1980. Available from BLM.

News Release

Interior Selects 1.13 Million Acres for Environmental Study Offshore Southern California (OCS 68), May 30, 1980. Available from BLM.

STEP 4. PRE-SALE ENVIRONMENTAL IMPACT STATEMENT

40 CFR 1500
43 CFR 3314.1

The preparation of an environmental impact statement is required by the National Environmental Policy Act of 1969 (42 U.S.C. 4321) for all major Federal actions significantly affecting the quality of the human environment. The Council on Environmental Quality regulations require that there be an early and open process for determining the scope of issues, alternatives, and impacts to be addressed by the EIS. In accordance with these regulations, a series of "scoping" meetings, open to all interested parties, are held by the regional BLM office. In addition, informal consultation between the regional BLM office, Federal, State, and local agencies, and special interest groups further identifies significant issues pertinent to the proposed lease sale.

Issues raised during the scoping process are discussed in the draft EIS prepared by the regional BLM office. The draft EIS also describes the existing environment, the proposed action, and the conditional resource estimates and infrastructure scenarios and their probable environmental impacts. Mitigating measures, such as lease stipulations, unavoidable adverse impacts, cumulative effects, and irreversible and irretrievable commitments of resources are analyzed, along with alternatives to the proposed action. The draft EIS is published for review and comment. Public hearings are held to discuss the draft EIS and solicit comments. The locations and

dates of these hearings and the availability of the draft EIS are announced in a news release and a Federal Register notice.

After oral and written comments have been evaluated, a final EIS is prepared which incorporates new findings, substantive comments, recommendations, and any additional information acquired during the continuing analysis of hazards data by regional USGS personnel. The final EIS is submitted to numerous Federal agencies and made available to the public for review. It is also submitted to the Secretary of the Interior to provide information necessary for making the tentative sale decision.

LEASE SALE 35 (1975)

News Release

Interior Announces Public Hearings on a Draft Environmental Impact Statement for Proposed Sale 35.	4/8/75
BLM Publishes Final EIS for Proposed OCS Sale off Southern California.	8/15/75
<hr/> Availability: BLM.	

Final EIS

Bureau of Land Management, 1975, Final Environmental Statement, Proposed 1975 Outer Continental Shelf Oil and Gas General Lease Sale Offshore Southern California (OCS Sale 35), 5 vols. Copies available for inspection at BLM.

LEASE SALE 48 (1979)

Data and information collection for the Lease Sale 48 EIS began in 1976 and continued through 1978. Input on the draft and final EIS's came from numerous Federal, State, and local governmental agencies, special interest groups, and citizens. A series of EIS orientation meetings were held in February and March 1977. The draft EIS was published in August 1978, and public hearings took place in October 1978. The final EIS, which considered 217 tracts, was published in January 1979.

News Release

Availability of Draft EIS Announced for Proposed Oil and Gas Lease Sale Offshore Southern California (OCS 48).	8/31/78
Public Hearing Schedule Announced for Proposed Offshore Southern California Oil and Gas Lease Sale (OCS 48).	9/20/78
Public Hearing Schedule extended into Evening Hours (Proposed OCS Oil and Gas Lease Sale 48).	10/3/78
Interior Releases Final Environmental Statement on Proposed Oil and Gas Lease Sale (OCS 48) for Offshore Southern California.	1/31/79
Availability: BLM.	

Federal Register

Vol. 44, no. 22, p. 6213, January 31, 1979.

Final EIS

Bureau of Land Management, Final Environmental Statement; OCS Sale 48, Proposed 1979 Outer Continental Shelf Oil and Gas Lease Sale Offshore Southern California, 5 vols. Copies available for inspection only at USGS.

LEASE SALE 53 (1981)

The 243 tracts selected for environmental study represent approximately 15 percent of the total area nominated by industry through the call for nominations and comments. In January 1979, pursuant to NEPA regulations, the BLM conducted six scoping meetings in Central and Northern California to identify significant issues for consideration in the EIS. These public meetings were held in Eureka, Fort Bragg, Santa Rosa, Redwood City, Santa Cruz, and San Luis Obispo.

Some of those present at the meetings commented that the completion of some BLM environmental studies lags behind the decision-making process. Of particular concern

were studies evaluating air quality impacts. A second issue frequently raised was the potential impact of OCS development on marine mammal populations. A significant number of comments were also directed towards impacts on the commercial fishing industry. Sixteen major fisheries were identified within the Northern and Central California OCS as sites of potential conflict. The effects of OCS development on recreational activities comprised another use conflict identified during the scoping process. General hydrocarbon transportation issues were discussed as well. Finally, the major cultural resource concerns expressed during scoping consultations involved potential impacts on Native American populations, terrestrial and marine aboriginal sites, historic shipwrecks, and historic terrestrial structures. Each of these six areas of concern is addressed in a separate section of the draft EIS.

The draft EIS was made available for public review and comment in April 1980. Public hearings were scheduled for June 1980 and the final EIS was published in September 1980.

Final EIS

Bureau of Land Management, Final Environmental Impact Statement, Proposed 1981 Outer Continental Shelf Oil and Gas Lease Sale Offshore Central and Northern California, OCS Sale No. 53, 2 vols. released. Available from BLM.

STEP 5. SECRETARIAL ISSUE DOCUMENT

A tentative decision on whether to hold a lease sale is made by the Secretary of the Interior. To assist the Secretary in this regard, the Bureau of Land Management prepares a secretarial issue document (SID), after publication of the final EIS. The secretarial issue document identifies the significant factors associated with the proposed lease sale. These factors include the potential legal, environmental, economic, political, and social impacts. The regional context within which benefits and costs occur and their distribution

are also analyzed. Comments are requested from Governors of affected States on the draft SID. The SID is completed approximately 60 days after the final EIS. These documents provide the Secretary with information necessary in making a decision from the options presented concerning the lease sale.

LEASE SALE 35 (1975)

Secretarial Issue Document

Secretarial Issue Document, Lease Sale 35, October 30, 1975, 14 p. and 10 p. additions. Available from BLM.

LEASE SALE 48 (1979)

Secretarial Issue Document

Secretarial Issue Document, Southern California, OCS Sale 48, February 28, 1979, 65 p. Available from BLM.

STEP 6. SALE

43 CFR 3315.1-3, 3315.4

Following a tentative decision by the Secretary of the Interior to proceed with the lease sale, the Director of the Bureau of Land Management is required to fully evaluate potential adverse impacts on the human, marine, and coastal environments identified during the previous steps in the leasing process and to develop measures to mitigate them. These measures include proposed lease stipulations and conditions contained in the proposed notice of sale. In preparing these lease stipulations, the Bureau of Land Management obtains the advice of the U.S. Geological Survey, Fish and Wildlife Service, Heritage Conservation and Recreation Service, and National Park Service as appropriate, at the regional and headquarters levels. The proposed notice of sale also includes a listing of tracts offered

for lease, information on the sale procedures, and methods of bidding. The proposed notice of sale, along with the comments received from these agencies, by the Director of the Bureau of Land Management is sent to the Secretary of the Interior for approval. Once approved, the proposed notice is sent to the Governors of affected States and published in the Federal Register.

A 60-day comment period follows the publication of the proposed notice. During this time, the Secretary of the Department of Energy has 30 days to review the lease terms and conditions. In addition, the Governor of any affected State or any affected local government, through the Governor, may submit recommendations to the Secretary of the Interior regarding the size, timing, or location of the proposed lease sale. The Secretary of the Interior is required to make a written reply to the Governor discussing the reasons for the determination to accept or reject the Governor's recommendations.

The Department of Energy reviews the terms and conditions (e.g., bidding system) under which a lease sale is held. The Department has the authority to disapprove the terms and conditions of a lease sale in order to assure that the most efficient bidding system is used.

Following the 60-day comment period on the proposed notice of sale, the regional BLM office prepares a final notice of sale that contains a listing of the tracts to be offered for sale, the methods of bidding, lease stipulations, and all terms and conditions of the sale. The place and time at which sealed bids will be filed and opened are specified. The U.S. Geological Survey, Fish and Wildlife Service, Heritage Conservation and Recreation Service, and National Park Service, as appropriate, are given an opportunity to review and comment on the notice of sale. Upon approval by the Secretary of the Interior, the Director of the Bureau of Land Management publishes the notice in the Federal Register at least 30 days prior to the date on which bids will be opened. The notice of sale includes a notice identifying the reasons for the selection of the bidding systems and for designating tracts under each bidding system.

The opening of bids is for the purpose of publicly announcing and recording the bids received, and no bids are rejected or accepted at the sale. After the bid opening, the regional BLM office, together with the regional USGS office, conducts a review of the bids to determine whether they meet the OCS leasing objectives defined in the OCS Lands Act Amendments of 1978. The U.S. Geological Survey, through in-house activities and the purchase of seismic data, provides the Bureau of Land Management with technical information evaluating the potential mineral resource value of each tract. The Bureau of Land Management provides economic data obtained through a review of industry publications and independent research. This technical and economic information is considered, along with any new environmental information, and the BLM Regional Manager recommends whether particular leases should be issued. A BLM report is prepared on the results of the sale for the Secretary of the Interior's consideration. Pertinent information is also sent to the Department of Justice Antitrust Division for a 30-day review. The Justice Department's recommendations are included in the Secretary of the Interior's final decision on which bids will be accepted or rejected. The final decision on a lease sale award or rejection is announced by a news release issued by the Department of the Interior. News releases may be examined at the appropriate regional BLM office.

1963 LEASE SALE

Federal Register Notice

Vol. 27, no. 191, p. 9734, October 2, 1962.

News Release

Interior Calls for Bids on Oil and Gas Leases off California Coast, September 28, 1962. Available from BLM.

1964 LEASE SALE

Federal Register Notice

Vol. 29, no. 35, p. 2562, February 19, 1964.

1966 LEASE SALE

Federal Register Notice

Vol. 31, no. 220, p. 14534, November 11, 1966.

News Release

Interior Offers Single Tract for Oil and Gas Lease (Channel Islands area, 1,995.48 acres), November 15, 1966. Available from BLM.

1968 LEASE SALE

Federal Register Notice

Vol. 32, no. 250, p. 20884, December 28, 1967.

News Release

Interior Announces California Offshore and Gas Lease Sale, December 22, 1967. Available from BLM.

LEASE SALE 35 (1975)

Federal Register Notice

Vol. 40, no. 215, p. 51672, November 6, 1975.
Vol. 40, no. 216, p. 52070, November 7, 1975.
Vol. 40, no. 217, p. 52421, November 10, 1975.

News Releases

Proposed Southern California Oil and Gas Lease Sale Rescheduled for December. 9/24/75

Environmental Concerns Prompt Modification of Southern California OCS Sale. 10/31/75

Southern California OCS to be Protected by Environmental Restrictions: Sale Date Changed to December 11, 1975. 11/6/75

Interior Accepts Bids Totaling \$417,312,354 for OCS Sale 35 Offshore Southern California. 12/19/75

Availability: BLM.

LEASE SALE 48 (1979)**Federal Register Notice**

Vol. 44, no. 57, p. 17583, March 22, 1979.

Vol. 44, no. 104, p. 30770, May 29, 1979.

Vol. 44, no. 108, p. 32048, June 4, 1979.

News Release

Southern California Offshore Oil and Gas Lease Sale Set June 29, May 24, 1979. Available from BLM.

STEP 7. EXPLORATION PLAN AND ENVIRONMENTAL REPORT

15 CFR 930

30 CFR 250.34-1, 250.34-3, 250.57

After the leases are issued by the Bureau of Land Management, generally for an initial period of 5 years, the U.S. Geological Survey is responsible for regulating and monitoring the operations on them. Before exploratory drilling can begin, an exploration plan and an accompanying environmental report must be prepared by the lessee or operator and submitted for approval to the regional USGS office. The Bureau of Land Management, Fish and Wildlife Service, Heritage Conservation and Recreation Service, National Park Service, and Governors of affected States review and make recommendations to the U.S. Geological Survey on all exploration plans.

Each exploration plan includes (1) the proposed type and sequence of exploration activities; (2) a description of drilling vessels, platforms, and other structures to be attached to the seabed, including safety and pollution prevention and control features; (3) the types of geophysical equipment to be used; (4) the approximate location of each proposed exploratory well; and (5) other relevant geological and geophysical information.

The environmental report includes (1) the procedures, personnel, and equipment that are to be used for preventing, reporting, and cleaning up spills of oil or waste material; (2) a detailed description of onshore support and storage facilities; (3) the estimated number of people expected to be employed; (4) boat and aircraft traffic patterns; (5) the quantity and composition of wastes and pollutants; (6) major supplies, services, and resources needed for implementation of the plan; and (7) potentially hazardous or environmentally sensitive areas, including archeological and cultural sites. An assessment of the direct effects on the onshore and offshore environments of implementing the exploration plan is also made. The environmental report is a document separate from the exploration plan; however, it accompanies the plan throughout the review process. The environmental report

may be used by States in planning for onshore impacts.

The exploration plan, or a general statement of exploration intentions, is submitted prior to the completion of the second lease year for 5-year leases. The exploration plan and environmental report must be accompanied by a certificate of coastal zone consistency whenever the activities described would significantly affect land and water uses in the coastal zone of a State with an approved coastal zone management program. In those States, the exploration plan and environmental report must be submitted to the appropriate State coastal zone management agency for consistency concurrence. This review is distinct from that supplied by the Governors of affected States.

A single exploration plan and environmental report may pertain to more than one lease. In the tables below, which list the leases for which plans have been submitted, the spaces separate individual plans.

1968 LEASE SALE

Federal regulations requiring detailed exploration plans and environmental reports, as described above, were not in effect until 1978. Therefore, plans submitted prior to 1978 are considerably briefer and less detailed than later plans. Before March 1978, exploration plans were not submitted with accompanying environmental reports. The USGS Pacific OCS Office does not have copies of these plans available for public inspection because nonproprietary copies were not required. However, the office does have public inspection copies of every plan submitted since March 1978.

Exploration plans and environmental reports are separate documents. Only the exploration plan is subject to approval. Together these documents may include data and information on cultural resources, geological hazards, and oil spill contingency plans; however, these data may also be submitted as separate documents.

Exploration Plans and Environmental Reports

Unit/(Field)	Lease No. OCS-P	Block No.	Well No.	Operator	Submittal Date	Approval Date
Tecolote	0169	46&47N 75W	1	Exxon	12/19/77	1/31/77
San Miguel	0176	48N 81W	1	Exxon	n.a.	1/19/77
San Miguel	0176	48N 81W	2	Exxon	9/9/77	9/16/77
San Miguel	0179	49N 81W	1	Exxon	7/13/77	8/24/77
San Miguel	0179	49N 81W	2	Exxon	9/1/77	9/2/77
Santa Ynez	0182	52N 77W	2,3	Exxon	8/31/77	Withdrawn
Santa Ynez	0182 0193 0194 0196	52N 77W 53&54N 78W 53N 78W 53N 80W	2,3 3,4 3 1	Exxon	12/7/78	2/21/79
Santa Clara	0204 0208 0209 0215	46N 60W 47N 60W 47N 61W 48N 60W	1 2 2 2	Chevron	9/29/78	12/28/78
Santa Clara	0205 0213	46N 61W 47N 66W	3 1	Chevron Chevron	4/17/80 5/19/78	6/2/80 Lease expired 7/2/78
Santa Clara	0215 0217	48N 60W 48N 62W	2 2	Chevron Chevron	6/19/75	7/8/75
Santa Clara	0215	48N 60W	3,4	Chevron	7/30/79	8/30/79
Santa Clara	0215	48N 60W	5,6	Chevron	5/30/80	6/27/80
Santa Clara	0216	48N 61W	2	Chevron	1/19/76	2/3/76
Santa Clara	0216	48N 61W	3	Chevron	4/1/77	5/4/77
Oakridge ^a	0219	48N 64W	1	Union	12/12/77	12/15/77
Santa Rosa	0223 0230-A 0231 0232 0238	48N 68W 49N 67W 49N 68W 49N 69W 50N 69W	1-5 1 4-6 4-8 1	Exxon	2/14/79	3/21/79
Santa Rosa	0223	48N 68W	1	Exxon	7/29/77	9/22/77
Oakridge	0227	49N 65W	3	Union	2/17/78	3/28/78
Oakridge	0230	49N 67W	1	Gulf	8/3/77	Withdrawn
Oakridge	0230	49N 67W	1	Exxon	5/29/79	n.a.
Santa Rosa	0231	49N 68W	2	Exxon	7/12/77	8/25/77
Santa Rosa	0231	49N 68W	3	Exxon	9/8/77	9/13/77
Oakridge	0220	48N 65W	1	Gulf	2/4/77	2/17/77

Exploration Plans and Environmental Reports (Continued)

Unit/(Field)	Lease No. OCS-P	Block No.	Well No.	Operator	Submittal Date	Approval Date
Santa Rosa	0231	49N 68W	4	Exxon	7/27/77	Withdrawn
Oakridge	0231	49N 68W	4	Union	6/22/78	^a
Santa Rosa	0232	49N 69W	1	Exxon	11/7/77	12/28/77
Santa Rosa	0232	49N 69W	2,3	Exxon	7/21/78	12/11/78
Pitas Point	0234	50N 64W	3	Texaco	6/2/75	n.a.
Pitas Point	0234	50N 64W	4	Texaco	8/16/77	10/26/77
Pitas Point	0234	50N 64W	5	Texaco	3/23/78	6/5/78
Pitas Point	0234	50N 64W	6	Texaco	8/18/78	10/30/78
Pitas Point	0234	50N 64W	7	Texaco	1/14/80	2/13/80
	0346	50N 64W	1			

Availability: USGS.

^aThe Oakridge Unit was terminated (11/21/78) before most approvals were granted.
n.a. = Data not available.

LEASE SALE 35 (1975)

Federal regulations requiring detailed exploration plans and environmental reports, as described above, were not in effect until 1978. Therefore, plans submitted prior to 1978 are considerably briefer and less detailed than later plans. This should be noted particularly in the case of the early plans for the proposed Beta Unit. Exploration plans and

environmental reports submitted after the latest regulations became effective are separate documents that are reviewed and approved together. They may include data and information on cultural resources and geological hazards; however, these data may also be submitted as separate documents. Only the exploration plans and environmental reports are listed below.

Exploration Plans and Environmental Reports

Unit/(Field)	Lease No. OCS-P	Block No.	Well No.	Operator	Submittal Date	Approval Date
none	0245	40N 73W	1	Chevron	10/30/79	11/28/79
none	0248	38N 69W	1	Challenger	6/17/80	7/17/80
none	0257	18N 62W	1	Texaco	4/1/77	4/21/78
none	0258	18N 61W	1	Gulf	8/31/76	10/29/76
none	0258	18N 61W	2,3	Gulf	11/26/76	1/10/77 for well 2
none	0262	17N 60W	1	Gulf	8/31/76	10/29/76
none	0262	17N 60W	2	Gulf	11/23/76	1/10/77
none	0266	16N 60W	1	Gulf	1/28/77	Relinquished
none	0269	15N 58W	1	Exxon	8/31/77	11/30/77
none	0272	14N 58W	1	Exxon	12/9/76	6/29/77
none	0276	13N 59W	1	Marathon	11/28/79	12/27/79
none	0277 0278	13N 57W 13N 56W	1 1	Shell	3/9/76	11/9/76
none	0286	11N 57W	1	Texaco	9/1/76	11/24/76
none	0288	10N 59W	1	Texaco	4/1/77	4/21/78
none	0289	33N 57W	1	Mobil	12/1/77	1/19/78
none	0293	35N 37W	1	Shell	3/4/76	12/9/76
none	0295	34N 38W	1	Texaco	9/13/76	10/15/76
none	0295	34N 38W	3	Texaco	4/1/77	6/6/77
none	0295	34N 38W	4,5,6	Champlin	9/4/80	10/3/80
(Beta)	0296	34N 37W	1	Chevron	2/2/76	7/2/76
(Beta)	0296	34N 37W	2,3	Chevron	9/22/76	11/17/76
(Beta)	0296	34N 37W	5	Chevron	2/9/77	2/24/77
(Beta)	0296	34N 37W	7	Chevron	3/28/77	4/7/77
(Beta)	0296	34N 37W	8	Chevron	4/19/77	6/30/77
(Beta)	0296	34N 37W	9	Chevron	8/26/77	9/1/77
(Beta)	0296	34N 37W	10	Chevron	9/28/77	10/7/77
(Beta)	0296	34N 37W	11	Chevron	9/30/77	10/25/77
(Beta)	0296	34N 37W	12	Chevron	9/30/77	11/4/77
(Beta)	0296	34N 37W	13	Chevron	1/13/78	1/30/78

Exploration Plans and Environmental Reports (Continued)

Unit/(Field)	Lease No. OCS-P	Block No.	Well No.	Operator	Submittal Date	Approval Date
(Beta)	0296	34N 37W	14	Chevron	1/23/78	3/16/78
(none)	0298	34N 35W	1	Shell	3/9/76	1/20/77
(Beta)	0300	33N 37W	1,2	Shell	3/8/76	4/7/77
(Beta)	0301	33N 36W	1	Shell	3/9/76	n.a.
(Beta)	0301	33N 36W	2	Shell	4/1/76	n.a.
(Beta)	0301	33N 36W	3	Shell	5/17/76	12/23/76
(Beta)	0301	33N 36W	5	Shell	1/28/77	n.a.
none	0301	33N 36W	6	Shell	n.a.	n.a.
none	0302	33N 35W	1	Gulf	8/31/76	n.a.
none	0302	33N 35W	2	Sohio	1/16/79	2/16/79
none	0304	32N 38W	1	Mobil	1/27/78	3/22/78
none	0306	32N 36W	1	Chevron	9/8/78	12/20/78
none	0309	31N 35W	1			
none	0310	30N 35W	1	Gulf	8/31/76	n.a.
none	0311	30N 34W	1	Challenger	10/11/77	2/2/78
Availability: USGS.						
n.a. = Data not available.						

LEASE SALE 48 (1979)**Exploration Plans and Environmental Reports**

Unit/(Field)	Lease No. OCS-P	Block No.	Well No.	Operator	Submittal Date	Approval Date
none	0315	55N 85W	1	Texaco	6/11/80	7/11/80
none	0316	55N 84W	1-3	Chevron	2/5/80	3/5/80
none	0317	55N 83W	1-4	Chevron	5/15/80	11/21/80
none	0318	55N 82W	1-3	Chevron	3/17/80	4/16/80
none	0321	54N 83W	1-5	Mobil	10/26/79	11/23/79
none	0324	53N 83W	1,3,4	Chevron	5/30/80	6/24/80

Exploration Plans and Environmental Reports (Continued)

Unit/(Field)	Lease No. OCS-P	Block No.	Well No.	Operator	Submittal Date	Approval Date
none	0325	53N 82W	1	Conoco	6/17/80	7/17/80
none	0328	52N 81W	n.a.	Champlin	11/19/80	Pending
	0333	51N 81W	n.a.			
none	0334	51N 78W	1	Conoco	10/6/80	11/5/80
none	0348	49N 78W	1-4	Chevron	11/5/80	Pending
none	0346	50N 65W	1	Texaco	1/14/80	2/13/80
	0234	50N 64W	7			
none	0358	48N 76W	1-3	Chevron	12/11/79	1/10/80
none	0361	48N 59W	1-6	Shell	1/16/80	2/15/80

Availability: USGS.

n.a. = Data not available.

STEP 8. ENVIRONMENTAL ASSESSMENT FOR EXPLORATION

30 CFR 250.34-4

Prior to the approval of an exploration plan, the Director of the U.S. Geological Survey, through the appropriate regional office, reviews the environmental impacts of activities proposed in the plan. The review gives particular attention to (1) seismic risks; (2) areas of high ecological sensitivity; (3) hazardous natural bottom conditions; and (4) the use of new and unusual technology.

If, in the opinion of the Director, the environmental assessment indicates that approval of the plan would constitute a major Federal action significantly affecting the

quality of the human environment, an environmental impact statement must be prepared. At this time, particular consideration is given to significant adverse impacts upon the marine, coastal, or human environments resulting from the construction of new onshore facilities. Cumulative and previously unforeseen impacts are also considered. On the basis of the environmental assessment, environmental impact statement findings and the technical review by the USGS, the exploration plan will be approved, rejected, or modified.

A single environmental assessment or EIS may pertain to more than one lease. In the tables below, which list the leases for which these reports have been submitted, the spaces separate individual reports.

1968 LEASE SALE

Environmental Assessments/EIS's

Unit/(Field)	Lease No. OCS-P	Block No.	Well No.	Title ^a	Operator	Publication Date
Santa Ynez	0182	52N 77W	2,3	Environmental Assessment--Exxon Corporation Supplemental Plan of Operation (Exploration) Santa Ynez Unit Area, Santa Barbara Channel, California	Exxon	11/30/78
	0193	53N 78W	3,4			
	0194	54N 78W	3			
	1096	53N 80W	1			
Santa Clara	0204	46N 60W	1	Environmental Analysis, Plan of Exploration, Santa Clara Unit	Chevron	11/30/78
	0208	47N 60W	2			
	0209	47N 61W	2			
	0215	48N 60W	2			
Santa Clara	0205	46N 61W	3	OCS Environmental Assessment	Chevron	5/16/80
Santa Clara	0213		1	Environmental Analysis, Chevron U.S.A. Inc., Exploratory Well No. 1 on OCS-P 0213	Chevron	6/28/78
Santa Clara	0215	48N 60W	3,4	OCS Environmental Assessment, Chevron U.S.A. Inc., Plan of Exploration, Lease OCS-P 0215, Wells No. 3 and 4	Chevron	8/22/79
Santa Clara	0215	48N 60W	5,6	OCS Environmental Assessment, Chevron U.S.A. Inc., Plan of Exploration, Lease OCS-P 0215, Wells No. 5 and 6	Chevron	6/24/80
Santa Rosa	0223	48N 68W	1-5	Environmental Assessment, Proposed Exploratory Wells, Santa Rosa Unit Area, Santa Barbara Channel, offshore California	Exxon	3/9/79
	0230A	49N 67W	1			
	0231	49N 68W	4-6			
	0232	49N 69W	4-8			
	0238	50N 69W	1			
Santa Rosa	0232	49N 69W	2,3	Environmental Assessment for Santa Rosa Unit (Supplemental Plan of Operation) Lease OCS P-0232, Wells No. 2,3	Exxon	10/30/78
Pitas Point	0234	50N 64W	5	Environmental Analysis	Texaco	5/26/78
Pitas Point	0234	50N 64W	6	Environmental Analysis, Texaco Inc., Plan of Exploration, Pitas Point Unit, OCS-P 0234, Well No. 6	Texaco	7/3/78

Availability: USGS.

^aTitles have been included for these EA's because they differ. EA's for sales after this were simply titled "Environmental Assessment."

LEASE SALE 35 (1975)**Environmental Assessments/EIS's**

Unit/(Field)	Lease No. OCS-P	Block No.	Well No.	Operator	Publication Date
none	0245	40N 73W	1	Chevron	11/26/79
none	0248	38N 69W	1	Challenger	7/17/80
none	0257	18N 62W	--	Texaco	3/22/78
none	0288	10N 59W	--		
none	0276	13N 59W	1	Marathon	12/28/79
none	0293	35N 37W	--	Shell	12/8/76
none	0293	35N 37W	--	Shell	9/8/76
none	0298	34N 35W	--		
(Beta)	0295	34N 38W	1	Texaco	10/8/76
(Beta)	0295	34N 38W	4,5,6	Champlin	10/4/80
(Beta)	0296	34N 37W	1,2	Standard	8/25/76
(Beta)	0300	33N 37W	1	Shell	6/25/76
(Beta)	0301	33N 36W	1-4		
(Beta)	0301	33N 36W	4	Shell	6/28/76
none	0302	33N 35W	2	Sohio	2/9/79
none	0304	32N 38W	--	Mobil	3/13/78
none	0306	32N 36W	1	Chevron	12/6/78
none	0309	31N 35W	1		
none	0311	30N 34W	1	Challenger	2/2/78

Availability: USGS.

LEASE SALE 48 (1979)**Environmental Assessments/EIS's**

Unit/(Field)	Lease No. OCS-P	Block No.	Well No.	Operator	Publication Date
none	0315	55N 85W	1-4	Texaco	7/11/80
none	0316	55N 84W	1-3	Chevron	3/4/80
none	0318	55N 82W	1-3	Chevron	4/16/80

Environmental Assessments/EIS's (Continued)

Unit/(Field)	Lease No. OCS-P	Block No.	Well No.	Operator	Publication Date
none	0321	54N 83W	1-5	Mobil	11/20/79
none	0324	53N 84W	1-4	Chevron	6/24/80
none	0325	53N 82W	1	Conoco	7/17/80
none	0334	51N 78W	1	Conoco	11/5/80
none	0346	50N 65W	1	Texaco	2/14/80
Pitas Point	0234	50N 64W	7		
none	0358	48N 76W	--	Chevron	1/10/80
none	0361	48N 59W	1	Shell	2/15/80

Availability: USGS.

STEP 9. EXPLORATION DRILLING

30 CFR 250.36

An application for permit to drill (APD) may be filed with the regional USGS office by the lessee or operator either along with or after approval of the exploration plan. The APD includes specific information on the location and depth of wells. The U.S. Geological Survey prepares a detailed hazard analysis based on information submitted by the lessee or operator. An APD approved by the U.S.

Geological Survey constitutes a drilling permit. An additional APD must be filed and approved each time a well is deepened, re-worked, redrilled, or plugged.

Other permits required prior to exploratory drilling include permits for aids to navigation from the U.S. Coast Guard, navigation permits from the Army Corps of Engineers, and National Pollutant Discharge Elimination System (NPDES) permits from the Environmental Protection Agency.

1963 LEASE SALE**Exploration Drilling Permits**

Lease No. OCS-P	Well No.	Operator	Submittal Date	Approval Date
0007	1	Exxon	6/29/64	7/7/64
0012	1	Exxon	7/28/64	7/29/64
0014	1 ET	Shell	3/24/65	3/30/65
0019	1 ET	Shell	7/2/65	7/8/65
0027	1 ET	Shell	8/24/64	8/26/64
0030	1 ET	Shell	3/1/65	3/8/65
0032	1 ET	Shell	11/17/66	11/22/66
0033	1 ET	Shell	10/3/66	10/5/66
0035	1 ET	Shell	8/30/67	9/7/67
0036	1 ET	Shell	2/6/67	2/10/67
0039	1 ET	Shell	2/1/65	2/5/65
0041	1 ET	Shell	n.a.	8/20/63
0051	1 ET	Shell	10/9/63	10/11/63
0051	2 ET	Shell	5/20/64	5/21/64
0053	1 ET	Shell	11/23/64	11/30/64
0055	1 ET	Shell	8/20/64	8/26/64
0055	2 ET	Shell	12/15/64	12/21/64
0055	2A ET	Shell	1/25/65	1/28/65
0058	1 ET	Shell	1/6/67	1/11/67
0060	1 ET	Chevron	4/13/64	4/17/64

Availability: USGS.

Note: No blocks from the 1963 Lease Sale were unitized, nor do they coincide with any recognized fields. Block numbers are not listed on APD's for the 1963 Lease Sale.

n.a. = Data not available.

1964 LEASE SALE**Exploration Drilling Permits**

Lease No. OCS-P	Well No.	Operator	Submittal Date	Approval Date
0072	1 ET	Shell	10/6/65	10/15/65
0075	1 ET	Shell	6/7/66	6/10/66
0087	1 ET	Shell	7/26/65	7/29/65
0087	2 ET	Shell	8/25/65	8/27/65
0093	1	Union	n.a.	4/3/65
0103	1	Chevron	4/12/65	4/15/65
0112	1	Pan American	3/15/67	3/17/67
0130	1	Union	6/30/66	7/6/66
0141	1	Pan American	4/20/67	5/11/67
0150	1A ET	Shell	4/25/66	4/28/66
0150	1 ET	Shell	3/11/66	3/17/66
0155	1 ET	Shell	n.a.	7/17/67

Availability: USGS.

Note: No blocks from the 1964 Lease Sale were unitized, nor do they coincide with any recognized field. Block numbers are not listed on APD's for the 1964 Lease Sale.

n.a. = Data not available.

1966 LEASE SALE**Exploration Drilling Permits**

Unit/(Field)	Lease No. OCS-P	Block No.	Well No.	Operator	Submittal Date	Approval Date
(Carpinteria Offshore)	0166	51&52N 63W	1	Phillips	2/8/67	2/10/67
(Carpinteria Offshore)	0166	51&52N 63W	2	Phillips	1/23/67	2/10/67
(Carpinteria Offshore)	0166	51&52N 63W	3	Phillips	2/21/67	2/23/67
(Carpinteria Offshore)	0166	51&52N 63W	4	Phillips	4/14/67	4/18/67
(Carpinteria Offshore)	0166	51&52N 63W	5	Phillips	3/20/67	3/20/67
(Carpinteria Offshore)	0166	51&52N 63W	6	Phillips	3/23/67	3/27/67

Availability: USGS.

1968 LEASE SALE

Occasionally, a well receives permit approval but is not drilled. The following wells were approved, were not drilled, and their permits have expired: well 2 on lease OCS-P

0183, well 1 on 0210, well 1 on 0230, well 1 on 0233, and well 1 on 0238. The designation "RD" refers to a well that was redrilled. APD's listed with the designation "Pending" were not yet approved as of October 1980.

Exploration Drilling Permits

Unit/(Field)	Lease No. OCS-P	Block No.	Well No.	Operator	Submittal Date	Approval Date
none	0167	46N 75W	1	Atlantic Richfield	2/20/68	2/23/68
none	0169	46&47N 75W	1	Chevron	1/19/78	2/3/78
none	0170	46N 77W	1	Union	8/25/69	10/2/69
none	0173	46N 78W	1	Atlantic Richfield	2/15/68	2/16/68
none	0176	48N 81W	1	Standard	4/16/71	Not approved
none	0176	48N 81W	1	Standard	6/7/76	12/21/78
none	0176	48N 81W	2	Chevron	8/30/77	10/21/77
none	0179	49N 81W	1	Chevron	8/30/77	9/9/77
Santa Ynez	0180	52N 74W	1	Exxon	7/24/70	7/24/70
Santa Ynez	0180	52N 74W	2	Exxon	8/16/71	8/18/71
Santa Ynez	0181	52N 75W	1	Exxon	3/18/71	3/18/71
Santa Ynez	0181	52N 75W	2	Exxon	11/5/71	11/6/71
Santa Ynez	0182	52N 77W	1	Exxon	3/26/70	3/27/70
Santa Ynez	0182	52N 77W	2	Exxon	3/18/71	3/18/71
Santa Ynez	0182	52N 77W	3	Exxon	8/18/78	8/3/79
Santa Ynez	0183	52N 78W	1	Exxon	3/3/71	3/5/71
Santa Ynez	0183	52N 78W	2	Exxon	3/18/71	3/18/71
Santa Ynez	0185	52N 80W	1	Shell	6/30/69	6/31/69
none	0186	53N 72W	1	Humble	2/23/68	2/23/68
none	0186	53N 72W	2	Humble	7/15/68	7/30/68
none	0186	53N 72W	3	Humble	11/19/69	11/21/69
Santa Ynez	0187	53N 73W	1	Exxon	6/5/70	6/6/70
Santa Ynez	0187	53N 73W	2	Exxon	11/18/70	11/23/70
Santa Ynez	0188	53N 74W	1	Exxon	11/20/78	11/27/68
Santa Ynez	0188	53N 74W	2	Exxon	1/23/69	1/27/69
Santa Ynez	0188	53N 74W	3	Exxon	1/22/70	1/23/70
Santa Ynez	0188	53N 74W	4	Exxon	3/3/71	3/5/71
Santa Ynez	0188	53N 74W	5	Exxon	4/23/71	4/27/71
Santa Ynez	0188	53N 74W	6	Exxon	7/20/72	8/2/72
Santa Ynez	0190	53N 75W	1	Exxon	9/9/68	9/16/68
Santa Ynez	0190	53N 75W	2	Exxon	4/2/69	4/2/69
Santa Ynez	0190	53N 75W	3	Exxon	7/22/69	7/23/69
Santa Ynez	0190	53N 75W	4	Exxon	6/2/71	6/3/71
Santa Ynez	0190	53N 75W	4RD	Exxon	8/3/71	8/4/71
Santa Ynez	0191	53N 76W	1	Exxon	12/30/70	1/4/71
Santa Ynez	0193	53N 78W	1	Exxon	6/1/70	6/1/70
Santa Ynez	0193	53N 78W	2	Exxon	1/20/72	1/25/72
Santa Ynez	0193	53N 78W	3	Exxon	8/18/78	8/3/79
Santa Ynez	0193	53N 78W	4	Exxon	8/18/78	8/3/79
Santa Ynez	0194	53N 78W	1	Exxon	11/24/70	11/27/70
Santa Ynez	0194	53N 78W	2	Exxon	1/22/71	1/22/71
Santa Ynez	0194	53N 78W	3	Exxon	8/18/78	8/3/79
Santa Ynez	0195	53N 79W	1	Exxon	7/19/68	7/26/68
Santa Ynez	0195	53N 79W	2	Exxon	9/3/70	9/11/70
Santa Ynez	0197	53N 81W	1	Exxon	5/27/68	6/5/68
Santa Ynez	0197	53N 81W	2	Exxon	7/23/68	7/30/68
Santa Ynez	0197	53N 81W	3	Exxon	5/21/69	5/22/69
(Hueneme Offshore)	0202	46N 58W	1	Mobil	1/16/69	1/16/69

Exploration Drilling Permits (Continued)

Unit/(Field)	Lease No. OCS-P	Block No.	Well No.	Operator	Submittal Date	Approval Date
(Hueneme Offshore)	0202	46N 58W	1A	Mobil	4/7/69	4/9/69
(Hueneme Offshore)	0202	46N 58W	2	Mobil	11/11/69	11/18/69
(Hueneme Offshore)	0202	46N 58W	3	Mobil	7/11/77	9/20/74
(Hueneme Offshore)	0202	46N 58W	4	Mobil	7/11/74	9/26/74
(Hueneme Offshore)	0203	46N 59W	1	Mobil	6/27/69	7/2/69
(Hueneme Offshore)	0203	46N 59W	2	Mobil	7/18/69	7/18/69
(Hueneme Offshore)	0203	46N 59W	3	Mobil	10/29/69	11/5/69
(Hueneme Offshore)	0203	46N 59W	4	Mobil	11/11/69	11/18/69
Santa Clara	0204	46N 60W	1	Standard (Calif.)	3/24/71	8/4/71
Santa Clara	0205	46N 61W	1	Exxon	9/3/70	9/6/70
Santa Clara	0205	46N 61W	2	Standard (Calif.)	3/24/71	8/4/71
Santa Clara	0206	46N 67W	1	Standard (Calif.)	3/24/71	Not approved
Santa Clara	0208	47N 60W	1	Standard (Calif.)	6/6/68	6/7/68
Santa Clara	0208	47N 60W	2	Standard (Calif.)	3/24/71	8/4/71
Santa Clara	0208	47N 60W	3	Chevron	10/5/79	10/10/79
Santa Clara	0209	47N 61W	1	Standard (Calif.)	5/24/74	8/19/74
Santa Clara	0209	47N 61W	2	Chevron	9/14/78	1/19/79
Santa Clara	0210	47N 62W	1	Standard (Calif.)	3/24/71	8/4/71
none	0212	47N 65W	1	Exxon	10/20/75	12/1/75
Santa Clara	0215	48N 60W	1	Standard (Calif.)	3/22/73	3/23/73
Santa Clara	0215	48N 60W	2	Chevron	9/25/78	1/22/79
Santa Clara	0215	48N 60W	3	Chevron	9/25/79	10/3/79
Santa Clara	0216	48N 61W	1	Union	8/10/70	8/13/70
Santa Clara	0216	48N 61W	2	Union	6/13/75	2/19/76
Santa Clara	0216	48N 61W	3	Union	4/15/77	5/4/77
Santa Clara	0216	48N 61W	4	Union	3/7/79	3/8/79
Santa Clara	0217	48N 62W	1	Standard (Calif.)	10/7/74	11/11/74
Santa Clara	0217	48N 62W	2	Standard (Calif.)	6/24/75	7/9/75
none	0218	48N 63W	1	Pauley	5/29/68	5/31/68
none	0218	48N 63W	2	Pauley	7/1/68	7/5/68
none	0218	48N 63W	3	Pauley	6/15/68	6/25/68
none	0218	48N 63W	4	Pauley	8/7/68	8/9/68
none	0218	48N 63W	5	Pauley	8/30/68	8/30/68
none	0218	48N 63W	6	Pauley	12/31/68	1/2/69
none	0218	48N 63W	7	Pauley	12/6/68	12/9/68
none	0219	48N 64W	1	Union	12/29/77	2/10/78
none	0220	48N 65W	1	Gulf	2/3/77	2/16/77
Santa Rosa	0222	48N 67W	1	Exxon	2/18/71	Not approved
Santa Rosa	0223	48N 68W	1	Exxon	7/24/77	Not approved
Santa Rosa	0223	48N 68W	1	Exxon	1/16/79	4/3/79
none	0226	49N 64W	1	Pauley	8/5/68	8/12/68
none	0227	49N 65W	1	Mobil	2/14/68	2/14/68

Unit/(Field)	Lease No. OCS-P	Block No.	Well No.	Operator	Submittal Date	Approval Date
none	0227	49N 65W	2	Gulf	10/13/75	10/20/75
none	0227	49N 65W	3	Gulf	2/13/78	3/24/78
none	0227	49N 65W	4	Union	4/10/78	4/13/78
none	0229	49N 67W	1	Gulf	8/20/68	9/18/68
Santa Rosa	0230A	49N 67W	1	Exxon	7/10/79	Not approved
Santa Rosa	0230	49N 67W	1	Exxon	5/29/79	Pending
Oakridge ^a	0230	49N 67W	1	Texaco	8/31/77	a
Oakridge ^a	0230	49N 67W	1	Gulf	3/8/71	a
Santa Rosa	0231	49N 68W	1	Exxon	7/15/68	7/18/68
Santa Rosa	0231	49N 68W	2	Exxon	7/12/77	7/26/77
Santa Rosa	0231	49N 68W	2	Exxon	12/12/78	12/13/78
Santa Rosa	0231	49N 68W	3	Exxon	9/14/77	9/27/77
Santa Rosa	0231	49N 68W	4	Exxon	7/27/77	10/18/77
Santa Rosa	0231	49N 68W	4	Exxon	7/12/70	7/13/79
Santa Rosa	0231	49N 68W	5&6	Exxon	7/31/79	Pending
Santa Rosa	0232	49N 69W	1	Exxon	10/28/77	12/30/77
Santa Rosa	0232	49N 69W	2	Exxon	n.a.	12/13/78
Santa Rosa	0232	49N 69W	3	Exxon	1/17/79	1/22/79
Pitas Point	0233	50N 63W	1	Texaco	3/11/71	4/1/71
Pitas Point	0234	50N 64W	1	Texaco	3/4/68	3/8/68
Pitas Point	0234	50N 64W	2	Texaco	10/22/68	10/25/68
Pitas Point	0234	50N 64W	3	Texaco	9/3/70	1/5/71
Pitas Point	0234	50N 64W	3	Texaco	6/2/75	Not approved
Pitas Point	0234	50N 64W	3	Texaco	2/26/76	4/12/76
Pitas Point	0234	50N 64W	4	Texaco	8/8/77	10/28/77
Pitas Point	0234	50N 64W	5	Texaco	4/17/78	6/6/78
Pitas Point	0234	50N 64W	6	Texaco	8/21/78	8/23/78
Pitas Point	0234	50N 64W	7	Texaco	3/25/80	4/1/80
none	0235	50N 67W	1	Humble	3/29/68	4/2/68
none	0235	50N 67W	2	Humble	12/2/70	12/8/70
Santa Rosa	0238	50N 69W	1	Exxon	1/12/70	1/13/70
Santa Rosa	0238	50N 69W	1	Exxon	4/2/80	6/27/80
(Dos Cuadras)	0240	52N 64W	1	Sun	3/29/68	4/3/68
(Dos Cuadras)	0240	51N 64W	2	Sun	6/12/68	6/18/68
(Dos Cuadras)	0240	51N 64W	3&4	Sun	7/23/68	7/23/68
(Dos Cuadras)	0240	51N 64W	5	Sun	8/29/68	9/5/68
(Dos Cuadras)	0240	51N 64W	6	Sun	9/16/68	9/17/68
(Dos Cuadras)	0240	51N 64W	7	Sun	10/4/68	10/4/68
(Dos Cuadras)	0240	51N 64W	8	Sun	11/4/68	11/5/68
(Dos Cuadras)	0240	51N 64W	9	Sun	8/23/76	9/9/76
(Dos Cuadras)	0240	51N 64W	10	Sun	12/21/76	12/29/76
(Dos Cuadras)	0241	51N 65W	1	Union	2/26/68	2/29/68
(Dos Cuadras)	0241	51N 65W	2	Union	2/27/68	2/29/68
(Dos Cuadras)	0241	51N 65W	3	Union	4/5/68	4/8/68
(Dos Cuadras)	0241	51N 65W	4	Union	2/2/69	2/4/69
(Dos Cuadras)	0241	51N 65W	5	Union	6/19/69	7/10/69
(Dos Cuadras)	0241	51N 65W	6&7	Union	7/9/69	7/10/69
(Dos Cuadras)	0241	51N 65W	8	Union	7/25/69	7/28/69
(Dos Cuadras)	0241	51N 65W	9&10	Union	7/30/69	7/31/69
(Dos Cuadras)	0241	51N 65W	11	Union	8/4/69	8/5/69
(Dos Cuadras)	0241	51N 65W	12	Union	8/7/69	8/8/69

Availability: USGS.

^aThe Oakridge Unit was terminated.

n.a. = Data not available.

LEASE SALE 35 (1975)

Exploration Drilling Permits

Unit/(Field)	Lease No. OCS-P	Block No.	Well No.	Operator	Submittal Date	Approval Date
none	0245	40N 73W	1	Chevron	9/11/79	3/14/80
none	0257	18N 62W	1	Texaco	3/16/77	4/27/78
none	0258	18N 61W	1	Gulf	8/27/76	10/29/76
none	0262	17N 60W	1	Gulf	8/27/76	1/18/77
none	0269	15N 58W	1	Exxon	8/26/77	12/5/77
none	0272	14N 58W	1	Exxon	12/7/76	7/8/77
none	0276	13N 59W	1	Marathon	11/5/79	2/4/80
none	0277	13N 57W	1	Shell	5/26/76	12/23/76
none	0286	11N 57W	1	Texaco	9/14/76	11/24/76
none	0288	10N 59W	1	Texaco	3/4/77	5/5/78
none	0289	33N 57W	1	Mobil	12/2/77	1/20/78
none	0293	33N 37W	1	Shell	6/10/76	6/16/76
none	0295	34N 38W	1	Texaco	9/21/76	10/15/76
none	0295	34N 38W	2	Texaco	11/18/76	11/19/76
none	0295	34N 38W	3	Texaco	3/23/77	6/29/77
(Beta)	0296	34N 37W	1	Chevron	5/11/76	7/2/76
(Beta)	0296	34N 37W	2	Chevron	11/10/76	11/17/76
(Beta)	0296	34N 37W	3	Chevron	1/10/77	1/14/77
(Beta)	0296	34N 37W	4	Chevron	2/2/77	2/2/77
(Beta)	0296	34N 37W	5	Chevron	2/9/77	2/24/77
(Beta)	0296	34N 37W	6	Chevron	3/28/77	3/31/77
(Beta)	0296	34N 37W	7	Chevron	4/6/77	4/11/77
(Beta)	0296	34N 37W	8	Chevron	6/3/77	7/7/77
(Beta)	0296	34N 37W	9	Chevron	8/23/77	8/25/77
(Beta)	0296	34N 37W	10	Chevron	9/22/77	9/26/77
(Beta)	0296	34N 37W	11	Chevron	10/18/77	10/20/77
(Beta)	0296	34N 37W	12	Chevron	11/2/77	11/4/77
(Beta)	0296	34N 37W	13	Chevron	1/18/78	1/31/78
none	0298	34N 35W	1	Shell	1/7/77	1/20/77
(Beta)	0300	33N 37W	1	Shell	4/4/77	4/7/77
(Beta)	0300	33N 37W	2	Shell	5/12/77	5/19/77
(Beta)	0301	33N 36W	1	Shell	5/7/76	6/28/76
(Beta)	0301	33N 36W	2	Shell	4/14/76	10/6/76
(Beta)	0301	33N 36W	3	Shell	12/8/76	12/23/76
(Beta)	0301	33N 36W	4	Shell	5/11/77	5/13/77
(Beta)	0301	33N 36W	5	Shell	3/18/77	4/12/77
(Beta)	0301	33N 36W	6	Shell	5/24/77	6/6/77
none	0302	33N 35W	1	Gulf	12/17/76	1/11/77
none	0302	33N 35W	2	Sohio	1/10/79	3/2/79
none	0304	32N 38W	1	Mobil	1/27/78	3/28/78
none	0306	32N 36W	1	Chevron	9/1/78	12/15/78
none	0309	31N 35W	1	Chevron	8/25/78	12/15/78
none	0310	30N 35W	1	Gulf	8/27/76	11/24/76
none	0311	30N 35W	1	Challenger	10/19/78	10/24/78

Availability: USGS.

LEASE SALE 48 (1979)

Exploration Drilling Permits

Unit/(Field)	Lease No. OCS-P	Block No.	Well No.	Operator	Submittal Date	Approval Date
none	0316	55N 84W	1	Chevron	12/4/79	Pending
none	0316	55N 84W	2	Chevron	12/5/79	Pending
none	0316	55N 84W	3	Chevron	12/5/79	Pending
none	0321	54N 83W	1	Mobil	10/22/79	12/6/79
none	0346	50N 65W	1	Texaco	1/24/80	4/1/80
none	0358	48N 76W	1	Chevron	11/28/79	3/11/80
none	0358	48N 76W	2	Chevron	11/29/79	3/14/80
none	0358	48N 76W	3	Chevron	11/29/79	3/14/80
none	0361	48N 59W	1	Shell	1/25/80	3/11/80

Availability: USGS.

STEP 10. DEVELOPMENT AND PRODUCTION PLAN AND ENVIRONMENTAL REPORT

30 CFR 250.34-2

Before development and production activities can begin, a development and production plan and an accompanying environmental report must be prepared by the lessee or operator and submitted for approval to the regional USGS office. The Bureau of Land Management, Fish and Wildlife Service, Heritage Conservation and Recreation Service, National Park Service, and the Governors of affected States review and make recommendations to the U.S. Geological Survey on all development and production plans.

The development and production plan includes (1) the specific work to be performed; (2) a description of drilling vessels, platforms, pipelines, or other facilities and operations located on the OCS, including safety and pollution prevention and control features and labor, material, and energy requirements; (3) the well locations; (4) current interpretations of all available relevant geological and geophysical data, which may include proprietary data; (5) a description of environmental safeguards and safety standards; and (6) a time schedule of development and production activities. The environmental report includes a description of (1) the location, type, and size of offshore and onshore operations; (2) the requirements for land, labor, material, and energy for the operations; (3) a schedule of the onshore and nearshore development activities; (4) any environmental monitoring systems; (5) pollution contingency plans; and (6) the biological, physical, and human environment. An assessment of the direct effects of implementation of the plan on the onshore and offshore environments, as well as a discussion of alter-

natives, is also included. The environmental report is a document separate from the plan; however, it accompanies the plan throughout the review process. The environmental report may be used by States in planning for onshore impacts.

The development and production plan and environmental report must be accompanied by a certificate of coastal zone consistency whenever the activities described would significantly affect land and water uses in the coastal zone of a State with an approved coastal zone management program. In these States, the development and production plan and environmental report must be submitted to the appropriate State coastal zone management agency for consistency concurrence. This review is distinct from that supplied by the Governors of affected States.

1968 LEASE SALE

Federal regulations requiring detailed development and production plans and environmental reports, as described above, were not in effect until 1978. Therefore, plans submitted prior to 1978 are considerably briefer and less detailed than later plans. Development and production plans and environmental reports submitted after the latest regulations became effective are separate documents, but they are reviewed and approved together.

The development and production plan for the Santa Ynez Unit was submitted in November 1971 and then modified in August 1972. It was determined that an EIS was required before the plan could be approved. Therefore, approval was delayed until after the publication of the final EIS in May 1974, and the plan was approved in August 1974.

Unit/(Field)	Lease No. OCS-P	Block No.	Platform	Operator	Submittal Date	Approval Date
Santa Ynez	0188	53&54N 74W	Hondo	Exxon	11/11/71	Withdrawn
Santa Ynez	0188	53&54N 74W	Hondo	Exxon	8/15/72	8/16/74
(Hueneme Offshore)	0202	46N 58W	Gina	Union	5/7/79	Pending
Santa Clara	0216	48N 61W	Gilda	Chevron	12/12/79	Pending
Santa Clara	0217	48N 62W	Grace	Chevron	12/30/76	7/14/77
Pitas Point	0234	50N 64W	Habitat	Texaco	9/26/79	Pending
(Dos Cuadras)	0240	51N 64W	Hillhouse	Sun	4/25/69	n.a.
(Carpinteria Offshore)	0240	51N 64W	Henry	Sun	6/14/77	11/11/77
(Dos Cuadras)	0241	51N 65W	A,B	Union	4/18/68	5/6/68
(Dos Cuadras)	0241	51N 65W	C	Union	5/12/77	6/9/77

n.a. = Data not available.

Unit/(Field)	Lease No. OCS-P	Block No.	Platform	Operator	Submittal Date	Approval Date
(Beta)	0296	34N 37W	Edith	Chevron	11/24/80	Pending
(Beta)	0300	33N 37W	Ellen & Elly	Shell	11/7/77	1/3/80
(Beta)	0301	33N 36W	Eureka	Shell	Proposed	--

Availability: USGS.

STEP 11. ENVIRONMENTAL ASSESSMENT FOR DEVELOPMENT AND PRODUCTION

30 CFR 250.34-4

Prior to the approval of a development and production plan, the Director of the U.S. Geological Survey, through the appropriate regional office, reviews the environmental impacts of activities proposed in the plan. The review gives particular attention to (1) seismic risks, (2) areas of high ecological sensitivity, (3) hazardous natural bottom conditions, and (4) the use of new and unusual technology. This USGS review is published as an environmental assessment (EA), or, if conducted jointly by State and Federal agencies, it is referred to as an environmental impact report/environmental assessment (EIR/EA).

If, in the opinion of the Director, the environmental assessment indicates that approval of the plan would constitute a major Federal action significantly affecting the quality of the human environment, an environmental impact statement must be prepared. At this time, particular consideration is given to significant adverse impacts upon the marine, coastal, or human environments resulting from the construction of new onshore facilities. Cumulative and previously unforeseen impacts are also considered. On the basis of the environmental assessment or the environmental impact statement findings and the

technical review by the U.S. Geological Survey, the development and production plan will be approved, rejected, or modified.

1968 LEASE SALE

In addition to the five environmental assessments listed, three environmental impact statements have been prepared on development activities proposed for tracts leased in 1968. The EIS for Santa Ynez Unit includes a discussion of offshore and onshore activities associated with Exxon's Hondo Platform.

Environmental Impact Statements for Development and Production

Proposed Installation of Platforms C and Henry on Federal Oil and Gas Leases OCS-P 0241 and 0240, Santa Barbara Channel Area off the Coast of California, Issued under the Outer Continental Shelf Lands Act, 1 vol.	8/27/71
Final Environmental Statement, Proposed Plan of Development, Santa Ynez Unit, Santa Barbara Channel, off California, 3 vols.	5/3/74
Final Environmental Statement, Oil and Gas Development in the Santa Barbara Channel, Outer Continental Shelf, off California, 3 vols.	3/4/76

Copies available for inspection at USGS.

Environmental Assessments for Development and Production

Unit/(Field)	Lease No. OCS-P	Block No.	Title	Operator	Publication Date
Santa Clara	0215 0216 0217	48N 60W 48N 61W 48N 62W	Santa Clara Environmental Analysis	Chevron	7/77
Santa Barbara Channel	n.a.	n.a.	n.a.	n.a.	5/79
(Hueneme Offshore)	0202	46N 58W	EIR/EA, Union Oil Company,	Union	11/80
Santa Clara	0216	48N 61W	Platform Gina and Platform Gilda Project		
Santa Clara	0217	48N 62W	EIR/EA, Chevron USA, Proposed Pipeline Installation. Santa Barbara Channel	Chevron	5/79
(Carpinteria Offshore)	0240	51N 64W	Environmental Assessment (Platform Henry)	Sun	10/27/77
Availability: USGS.					
n.a. = Data not available.					

LEASE SALE 35 (1975)**Environmental Assessments for Development and Production**

Unit/(Field)	Lease No. OCS-P	Block No.	Title	Operator	Publication Date
(Beta)	0300 0301	33N 37W 33N 36W	EIR/EA Shell OCS Beta Unit Development	Shell	12/1/78
Availability: USGS.					

STEP 12. DEVELOPMENT AND PRODUCTION DRILLING

30 CFR 250.36

After approval of the development and production plan and installation of a platform or other drilling structure, the lessee or operator files an application for permit to drill (APD) with the regional USGS office. The APD includes specific information on the location and depth of wells. An APD approved by the U.S. Geological Survey constitutes a drill-

ing permit. An additional APD must be filed and approved each time a well is deepened, reworked, redrilled, or plugged.

Other permits required prior to platform installation and subsequent development drilling include permits for aids to navigation from the U.S. Coast Guard, navigation permits from the Army Corps of Engineers, and National Pollutant Discharge Elimination System (NPDES) permits from the Environmental Protection Agency.

1966 LEASE SALE

Development and Production Drilling Permits

Unit/(Field)	Lease No. OCS-P	Block No.	Platform	Well No.	Operator	Date	Submittal Date
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-1	Phillips	4/5/68	4/9/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-2	Phillips	4/5/68	4/9/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-3	Phillips	5/8/68	5/9/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-4	Phillips	5/8/68	5/9/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-5	Phillips	6/12/68	6/13/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-6	Phillips	6/4/68	6/7/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-7	Phillips	8/5/68	8/7/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-8	Phillips	7/3/68	7/9/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-9	Phillips	7/23/68	7/26/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-11	Phillips	6/20/68	6/25/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-12	Phillips	6/20/68	6/25/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-14	Phillips	7/16/68	7/18/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-15	Phillips	7/16/68	7/18/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-16	Phillips	10/29/68	11/1/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-16A	Phillips	4/4/69	4/4/69
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-17	Phillips	9/27/68	10/2/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-18	Phillips	8/8/68	8/9/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-19	Phillips	10/29/68	11/1/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-21	Phillips	9/5/68	9/6/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-22	Phillips	11/21/68	11/25/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-23	Phillips	10/9/68	10/15/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-24	Phillips	12/23/68	12/26/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-25	Phillips	10/4/68	10/10/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-26	Phillips	10/31/68	11/1/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-27	Phillips	8/20/68	8/21/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	AG-27A	Phillips	10/29/76	2/1/77
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-28	Phillips	5/2/69	5/5/69
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-29	Phillips	11/27/68	12/4/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-30	Phillips	12/9/68	12/10/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-31	Phillips	10/18/68	10/23/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-32	Phillips	11/12/68	11/13/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-36	Phillips	7/28/69	7/30/69
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-37	Phillips	7/3/69	7/7/69
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-38	Phillips	11/21/68	11/25/68
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-39	Phillips	8/1/69	8/1/69
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-39A	Phillips	8/12/69	8/12/69

Unit/(Field)	Lease No. OCS-P	Block No.	Platform	Well No.	Operator	Submittal Date	Approval Date
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-40	Phillips	5/23/69	5/27/69
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-41	Phillips	5/19/69	5/20/69
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-42	Phillips	8/20/69	8/21/69
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-43	Phillips	5/5/77	6/15/77
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-44	Phillips	9/16/77	9/26/77
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-45	Phillips	1/12/78	2/8/78
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-46	Phillips	9/14/77	11/29/77
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-47	Phillips	12/9/77	1/16/78
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-48	Phillips	6/13/77	8/5/77
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-49	Phillips	5/26/78	6/6/78
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-50	Phillips	4/28/78	6/5/78
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-51	Phillips	7/7/78	7/10/78
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-52	Phillips	8/30/78	10/18/78
(Carpinteria Offshore)	0166	51&52N 63W	Hogan	A-53	Phillips	10/25/78	12/6/78
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-1	Phillips	5/9/69	5/15/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-2	Phillips	1/15/69	1/20/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-2A	Phillips	4/2/69	4/4/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-3	Phillips	4/24/69	4/25/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-4	Phillips	4/5/69	4/7/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-5	Phillips	1/15/69	1/20/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-5A	Phillips	5/8/69	5/9/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-6	Phillips	4/25/69	4/28/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-7	Phillips	5/23/69	5/27/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-8	Phillips	6/12/69	6/13/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-9	Phillips	5/29/69	6/2/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-10	Phillips	7/9/69	7/10/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-11	Phillips	7/30/69	8/1/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-12	Phillips	7/9/69	7/10/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-13	Phillips	6/24/69	6/26/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-15	Phillips	7/18/69	7/18/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-16	Phillips	6/2/69	6/13/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-17	Phillips	7/18/69	7/18/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-18	Phillips	10/3/69	10/7/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-19	Phillips	8/8/69	8/11/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-21	Phillips	8/22/69	8/26/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-22	Phillips	7/25/69	7/29/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-23	Phillips	8/22/69	8/26/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-26	Phillips	9/16/69	9/19/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-27	Phillips	6/26/69	6/30/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-28	Phillips	9/4/69	9/8/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-29	Phillips	9/3/69	9/4/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-30	Phillips	9/17/69	9/19/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-31	Phillips	9/29/69	10/1/69
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-32	Phillips	1/26/73	12/14/73
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-33	Phillips	6/25/79	7/18/79
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-34	Phillips	4/11/79	5/23/79
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-35	Phillips	2/21/79	3/30/79
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-36	Phillips	11/12/79	12/11/79
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-37	Phillips	9/14/79	9/26/79
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-38	Phillips	12/20/79	12/31/79
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-39	Phillips	2/29/80	3/13/80
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-40	Phillips	10/10/79	11/2/79
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-43	Phillips	6/6/80	6/16/80
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-45	Phillips	7/9/80	7/22/80
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-46	Phillips	4/9/80	4/22/80
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-47	Phillips	1/14/80	2/12/80
(Carpinteria Offshore)	0166	51&52N 63W	Houchin	B-48	Phillips	6/6/80	7/3/80

Availability: USGS.

1968 LEASE SALE

Although the development and production plan for the Santa Ynez Unit was approved in 1974, drilling did not begin from Platform Hondo until 1977. Disputes arose over Exxon's plans for processing oil and gas produced at Hondo. Two alternatives were presented in the plan. Oil and gas could be either (1) treated onshore at Las Flores Canyon or (2) treated offshore on an offshore storage and treating vessel (OS&T) and shuttled to a refinery by tanker. Both alternatives were approved by the Department of the Interior.

Opposition to the onshore plan came from the public and the local government of Santa Barbara County. The onshore alternatives required zoning changes in Las Flores Canyon and the approval of the Santa Barbara County Planning Commission, Board of Supervisors, and the Regional Coastal Commission. A series of public hearings were held, the Board of Supervisors approved the onshore plan, and a referendum vote upheld the board's decision. The plan was then approved by the Regional Coastal Commission in September 1975. The regional commission's decision was appealed to the State Coastal Commission by citizens opposing the plan. Three more public hearings were held and negotiations were carried out between the State Commission and Exxon to define conditions under which the onshore plan could proceed. However, the Commission approved with conditions the onshore plan on March 6, 1976. On March 12,

1976, Exxon brought suit against the State Coastal Commission to prevent the commission's decision from interfering with the development and production plan, as the plan had previously received all required Federal, State, and local approvals. The suit was dropped, however, and Exxon proceeded with the offshore alternative. Drilling from the Hondo Platform began in September 1977.

Controversy then arose as to jurisdiction for granting air emissions permits. The Environmental Protection Agency asserted jurisdiction over air emissions on the OCS under authority of the Clean Air Act. Air permits had previously been the responsibility of the Department of the Interior. In September 1977, the Environmental Protection Agency informed Exxon that the OS&T would require review under the Clean Air Act. The Agency published its determination that an air permit was required on April 18, 1978, and Exxon filed a petition for review of the EPA determination in the Ninth Circuit Court in May 1978. In June 1978, the State of California also filed a suit against Exxon, asserting that a State air permit was required as well. This case was dismissed in October 1978. The Ninth Circuit Court heard **Exxon v. EPA** in April 1979 and ruled in August 1979 that the Department of the Interior had jurisdiction for air emissions on the OCS.

Some of the permits listed below are for well drilling. These are indicated below by the designation "RD" following the well number.

Development and Production Drilling Permits

Unit/(Field)	Lease No. OCS-P	Block No.	Platform	Well No.	Operator	Submittal Date	Approval Date
Santa Ynez	0188	53N 74W	Hondo	H-1	Exxon	11/23/76	2/24/77
Santa Ynez	0188	53N 74W	Hondo	H-2	Exxon	6/13/77	9/27/77
Santa Ynez	0188	53N 74W	Hondo	H-3	Exxon	7/20/77	9/28/77
Santa Ynez	0188	53N 74W	Hondo	H-4	Exxon	7/20/77	9/28/77
Santa Ynez	0188	53N 74W	Hondo	H-5	Exxon	7/20/77	9/28/77
Santa Ynez	0188	53N 74W	Hondo	H-6	Exxon	7/20/77	9/28/77
Santa Ynez	0188	53N 74W	Hondo	H-7	Exxon	7/20/77	10/12/77
Santa Ynez	0188	53N 74W	Hondo	H-8	Exxon	7/20/77	9/28/77
Santa Ynez	0188	53N 74W	Hondo	H-9	Exxon	7/20/77	10/12/77
Santa Ynez	0188	53N 74W	Hondo	H-10	Exxon	7/20/77	9/28/77
Santa Ynez	0188	53N 74W	Hondo	H-11	Exxon	5/24/79	9/11/79
Santa Ynez	0188	53N 74W	Hondo	H-12	Exxon	5/24/79	9/11/79
Santa Ynez	0188	53N 74W	Hondo	H-13	Exxon	5/24/79	5/30/79
Santa Ynez	0188	53N 74W	Hondo	H-14	Exxon	11/1/79	12/31/79
Santa Ynez	0188	53N 74W	Hondo	H-15	Exxon	5/7/80	5/29/80
Santa Ynez	0188	53N 74W	Hondo	H-16	Exxon	5/24/79	9/11/79
Santa Ynez	0188	53N 74W	Hondo	H-17	Exxon	5/14/80	7/3/80
Santa Ynez	0188	53N 74W	Hondo	H-18	Exxon	4/2/80	4/10/80
Santa Ynez	0188	53N 74W	Hondo	H-19	Exxon	12/19/79	3/19/80
Santa Clara	0217	48N 62W	Grace	A-1	Chevron	12/20/79	1/30/80
Santa Clara	0217	48N 62W	Grace	A-2	Chevron	12/20/79	1/30/80
Santa Clara	0217	48N 62W	Grace	A-3	Chevron	5/21/80	6/4/80
Santa Clara	0217	48N 62W	Grace	A-4	Chevron	5/21/80	6/4/80
Santa Clara	0217	48N 62W	Grace	A-5	Chevron	8/8/80	8/15/80
Santa Clara	0217	48N 62W	Grace	A-6	Chevron	9/11/80	9/12/80
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-1	Sun	8/18/69	3/6/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-2	Sun	8/15/69	3/6/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-3	Sun	8/15/69	3/6/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-4	Sun	8/18/69	3/6/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-5	Sun	8/15/69	3/6/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-6	Sun	8/15/69	3/6/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-7	Sun	8/15/69	3/6/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-8	Sun	7/21/70	7/31/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-9	Sun	7/24/70	8/31/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-10	Sun	10/8/70	10/29/70
(Carpinteria Offshore)	0240	51N 64W	Henry	B-5	Sun	9/8/80	9/11/80
(Carpinteria Offshore)	0240	51N 64W	Henry	B-8	Sun	9/17/80	9/22/80
(Carpinteria Offshore)	0240	51N 64W	Henry	B-10	Sun	8/11/80	8/15/80
(Dos Cuadras)	0241	51N 65W	B	B-45 RD	Union	7/8/80	9/3/80
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-11	Sun	7/24/70	8/31/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-12	Sun	7/24/70	8/31/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-13	Sun	7/24/70	8/31/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-14	Sun	7/24/70	8/31/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-15	Sun	7/24/70	8/31/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-16	Sun	3/2/73	4/2/73
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-17	Sun	2/17/71	3/11/71
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-18	Sun	11/24/70	12/23/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-19	Sun	5/11/71	7/21/71
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-20	Sun	11/24/70	12/23/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-21	Sun	7/24/70	8/31/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-22	Sun	11/24/70	12/23/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-23	Sun	5/11/71	6/25/71
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-24	Sun	5/11/71	6/25/71
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-25	Sun	2/20/75	3/17/75
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-26	Sun	5/11/71	7/21/71
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-27	Sun	7/24/70	8/31/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-28	Sun	11/24/70	12/23/70

Development and Production Drilling Permits (Continued)

Unit/(Field)	Lease No. OCS-P	Block No.	Platform	Well No.	Operator	Submittal Date	Approval Date
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-29	Sun	11/24/70	12/23/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-30	Sun	11/24/70	12/23/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-31	Sun	10/8/70	10/29/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-32	Sun	2/17/71	3/11/71
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-34	Sun	11/24/70	12/23/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-35	Sun	11/24/70	12/23/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-36	Sun	2/17/71	3/11/71
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-37	Sun	11/24/70	12/23/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-38	Sun	2/17/71	3/11/71
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-39	Sun	11/24/70	12/23/70
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-40	Sun	2/17/71	3/11/71
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-41	Sun	5/11/71	7/21/71
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-42	Sun	5/11/71	6/25/71
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-43	Sun	5/11/71	6/25/71
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-44	Sun	3/3/76	4/30/76
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-45	Sun	5/11/71	6/25/71
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-46	Sun	5/11/71	6/25/71
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-47	Sun	5/11/71	7/21/71
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-48	Sun	5/11/71	6/25/71
(Dos Cuadras)	0240	51N 64W	Hillhouse	A-63	Sun	3/17/72	Not approved
(Carpinteria Offshore)	0240	51N 64W	Henry	B-1	Sun	1/8/80	2/1/80
(Carpinteria Offshore)	0240	51N 64W	Henry	B-2	Sun	3/3/80	3/17/80
(Carpinteria Offshore)	0240	51N 64W	Henry	B-7	Sun	4/1/80	4/9/80
(Dos Cuadras)	0241	51N 65W	A	A-1	Union	11/7/72	12/1/72
(Dos Cuadras)	0241	51N 65W	A	A-3	Union	6/20/69	6/26/69
(Dos Cuadras)	0241	51N 65W	A	A-3-5	Union	11/3/69	11/28/69
(Dos Cuadras)	0241	51N 65W	A	A-35RD	Union	10/31/73	11/16/74
(Dos Cuadras)	0241	51N 65W	A	A-4	Union	9/26/69	10/14/69
(Dos Cuadras)	0241	51N 65W	A	A-45RD	Union	8/21/79	9/5/79
(Dos Cuadras)	0241	51N 65W	A	A-5	Union	4/15/70	6/10/70
(Dos Cuadras)	0241	51N 65W	A	A-45	Union	8/13/69	9/16/69
(Dos Cuadras)	0241	51N 65W	A	A-5RD	Union	9/21/72	10/19/72
(Dos Cuadras)	0241	51N 65W	A	A-7	Union	1/14/76	2/4/76
(Dos Cuadras)	0241	51N 65W	A	A-8	Union	1/15/75	2/19/75
(Dos Cuadras)	0241	51N 65W	A	A-9	Union	2/4/75	3/3/75
(Dos Cuadras)	0241	51N 65W	A	A-10	Union	1/16/70	2/25/70
(Dos Cuadras)	0241	51N 65W	A	A-11	Union	11/19/69	1/30/70
(Dos Cuadras)	0241	51N 65W	A	A-11RD	Union	10/5/76	11/12/76
(Dos Cuadras)	0241	51N 65W	A	A-12	Union	9/25/69	10/14/69
(Dos Cuadras)	0241	51N 65W	A	A-13	Union	8/12/69	9/18/69
(Dos Cuadras)	0241	51N 65W	A	A-13RD	Union	8/19/70	9/2/70
(Dos Cuadras)	0241	51N 65W	A	A-15	Union	4/15/70	6/10/70
(Dos Cuadras)	0241	51N 65W	A	A-16	Union	8/3/73	4/1/74
(Dos Cuadras)	0241	51N 65W	A	A-17	Union	10/28/70	11/18/70
(Dos Cuadras)	0241	51N 65W	A	A-18	Union	6/2/70	7/29/70
(Dos Cuadras)	0241	51N 65W	A	A-18RD	Union	12/13/73	1/21/74
(Dos Cuadras)	0241	51N 65W	A	A-19	Union	8/6/73	4/1/74
(Dos Cuadras)	0241	51N 65W	A	A-20	Union	11/6/68	11/8/68
(Dos Cuadras)	0241	51N 65W	A	A-21	Union	1/8/69	1/9/69
(Dos Cuadras)	0241	51N 65W	A	A-22	Union	7/9/69	7/10/69
(Dos Cuadras)	0241	51N 65W	A	A-23	Union	11/19/69	1/30/70
(Dos Cuadras)	0241	51N 65W	A	A-23RD	Union	2/21/78	3/8/78
(Dos Cuadras)	0241	51N 65W	A	A-24	Union	6/9/69	6/11/69
(Dos Cuadras)	0241	51N 65W	A	A-25	Union	11/6/68	11/15/68
(Dos Cuadras)	0241	51N 65W	A	A-26	Union	10/31/69	11/28/69
(Dos Cuadras)	0241	51N 65W	A	A-27	Union	6/14/74	7/25/74
(Dos Cuadras)	0241	51N 65W	A	A-28	Union	2/26/70	5/15/70

Unit/(Field)	Lease No. OCS-P	Block No.	Platform	Well No.	Operator	Submittal Date	Approval Date
(Dos Cuadras)	0241	51N 65W	A	A-30	Union	8/1/69	8/5/69
(Dos Cuadras)	0241	51N 65W	A	A-31	Union	6/2/70	7/29/70
(Dos Cuadras)	0241	51N 65W	A	A-31RD	Union	6/7/76	8/24/76
(Dos Cuadras)	0241	51N 65W	A	A-32	Union	10/28/70	11/18/70
(Dos Cuadras)	0241	51N 65W	A	A-33	Union	11/3/69	11/28/69
(Dos Cuadras)	0241	51N 65W	A	A-34	Union	2/17/70	5/15/70
(Dos Cuadras)	0241	51N 65W	A	A-35	Union	9/25/69	10/14/69
(Dos Cuadras)	0241	51N 65W	A	A-36	Union	7/28/69	8/1/69
(Dos Cuadras)	0241	51N 65W	A	A-37	Union	7/29/69	8/1/69
(Dos Cuadras)	0241	51N 65W	A	A-37RD	Union	2/22/77	3/21/77
(Dos Cuadras)	0241	51N 65W	A	A-38	Union	11/6/68	11/15/68
(Dos Cuadras)	0241	51N 65W	A	A-39	Union	1/8/70	2/25/70
(Dos Cuadras)	0241	51N 65W	A	A-39RD	Union	12/26/74	2/20/75
(Dos Cuadras)	0241	51N 65W	A	A-40	Union	1/8/70	2/25/70
(Dos Cuadras)	0241	51N 65W	A	A-41	Union	11/6/68	11/8/68
(Dos Cuadras)	0241	51N 65W	A	A-42	Union	11/19/69	1/30/70
(Dos Cuadras)	0241	51N 65W	A	A-43	Union	7/28/69	8/1/69
(Dos Cuadras)	0241	51N 65W	A	A-44	Union	11/6/68	11/15/68
(Dos Cuadras)	0241	51N 65W	A	A-45	Union	6/2/70	7/29/70
(Dos Cuadras)	0241	51N 65W	A	A-45RD	Union	8/16/73	4/1/74
(Dos Cuadras)	0241	51N 65W	A	A-46	Union	6/2/70	7/29/70
(Dos Cuadras)	0241	51N 65W	A	A-46RD	Union	11/26/74	1/15/75
(Dos Cuadras)	0241	51N 65W	A	A-47	Union	6/2/70	7/29/70
(Dos Cuadras)	0241	51N 65W	A	A-48	Union	4/15/70	7/10/70
(Dos Cuadras)	0241	51N 65W	A	A-49	Union	2/26/70	5/15/70
(Dos Cuadras)	0241	51N 65W	A	A-52	Union	3/9/70	5/15/70
(Dos Cuadras)	0241	51N 65W	A	A-53	Union	6/2/70	7/29/70
(Dos Cuadras)	0241	51N 65W	A	A-54	Union	4/15/70	7/10/70
(Dos Cuadras)	0241	51N 65W	A	A-55	Union	11/19/69	1/30/70
(Dos Cuadras)	0241	51N 65W	A	A-55RD	Union	10/30/75	11/12/75
(Dos Cuadras)	0241	51N 65W	B	B-1	Union	2/8/72	3/24/72
(Dos Cuadras)	0241	51N 65W	B	B-1RD	Union	3/23/78	5/17/78
(Dos Cuadras)	0241	51N 65W	B	B-2	Union	8/1/69	8/5/69
(Dos Cuadras)	0241	51N 65W	B	B-2RD	Union	10/28/74	7/3/75
(Dos Cuadras)	0241	51N 65W	B	B-2-5	Union	11/19/69	1/30/70
(Dos Cuadras)	0241	51N 65W	B	B-3	Union	9/26/69	10/14/69
(Dos Cuadras)	0241	51N 65W	B	B-3RD	Union	2/23/78	3/8/78
(Dos Cuadras)	0241	51N 65W	B	B-3-5	Union	11/19/69	1/30/70
(Dos Cuadras)	0241	51N 65W	B	B-3-5RD	Union	5/9/73	7/11/73
(Dos Cuadras)	0241	51N 65W	B	B-5	Union	1/8/70	2/25/70
(Dos Cuadras)	0241	51N 65W	B	B-8	Union	3/13/75	4/1/75
(Dos Cuadras)	0241	51N 65W	B	B-10	Union	11/19/69	1/30/70
(Dos Cuadras)	0241	51N 65W	B	B-11	Union	9/26/69	10/14/69
(Dos Cuadras)	0241	51N 65W	B	B-11RD	Union	9/5/74	9/23/74
(Dos Cuadras)	0241	51N 65W	B	B-12	Union	11/10/69	11/28/69
(Dos Cuadras)	0241	51N 65W	B	B-13	Union	7/11/69	7/12/69
(Dos Cuadras)	0241	51N 65W	B	B-13RD	Union	10/23/72	11/16/72
(Dos Cuadras)	0241	51N 65W	B	B-14	Union	6/2/70	7/15/70
(Dos Cuadras)	0241	51N 65W	B	B-15	Union	8/12/69	9/16/69
(Dos Cuadras)	0241	51N 65W	B	B-16	Union	11/3/69	11/28/69
(Dos Cuadras)	0241	51N 65W	B	B-16RD	Union	12/1/76	1/13/77
(Dos Cuadras)	0241	51N 65W	B	B-17	Union	11/3/69	11/28/69
(Dos Cuadras)	0241	51N 65W	B	B-17RD	Union	9/27/72	11/8/72
(Dos Cuadras)	0241	51N 65W	B	B-18	Union	6/9/69	7/11/69
(Dos Cuadras)	0241	51N 65W	B	B-18RD	Union	3/20/79	5/10/79
(Dos Cuadras)	0241	51N 65W	B	B-22	Union	7/13/70	1/10/72
(Dos Cuadras)	0241	51N 65W	B	B-25	Union	11/10/69	11/28/69
(Dos Cuadras)	0241	51N 65W	B	B-26	Union	11/19/69	1/30/70
(Dos Cuadras)	0241	51N 65W	B	B-27	Union	4/15/70	7/10/70
(Dos Cuadras)	0241	51N 65W	B	B-28	Union	5/1/70	5/4/70
(Dos Cuadras)	0241	51N 65W	B	B-29	Union	7/29/69	8/1/69
(Dos Cuadras)	0241	51N 65W	B	B-30	Union	6/20/69	6/26/69
(Dos Cuadras)	0241	51N 65W	B	B-31	Union	8/6/70	8/31/70

Development and Production Drilling Permits (Continued)

Unit/(Field)	Lease No. OCS-P	Block No.	Platform	Well No.	Operator	Submittal Date	Approval Date
(Dos Cuadras)	0241	51N 65W	B	B-31RD	Union	2/9/79	3/12/79
(Dos Cuadras)	0241	51N 65W	B	B-35	Union	9/17/70	10/14/70
(Dos Cuadras)	0241	51N 65W	B	B-36	Union	8/6/70	8/7/70
(Dos Cuadras)	0241	51N 65W	B	B-37	Union	9/19/69	1/30/70
(Dos Cuadras)	0241	51N 65W	B	B-38	Union	9/26/69	10/14/69
(Dos Cuadras)	0241	51N 65W	B	B-39	Union	9/17/70	10/14/70
(Dos Cuadras)	0241	51N 65W	B	B-40	Union	7/11/69	7/12/69
(Dos Cuadras)	0241	51N 65W	B	B-40RD	Union	9/20/78	2/6/79
(Dos Cuadras)	0241	51N 65W	B	B-41	Union	7/29/69	8/1/69
(Dos Cuadras)	0241	51N 65W	B	B-41RD	Union	2/6/76	3/17/76
(Dos Cuadras)	0241	51N 65W	B	B-42	Union	8/13/69	9/16/69
(Dos Cuadras)	0241	51N 65W	B	B-43	Union	7/28/69	8/1/69
(Dos Cuadras)	0241	51N 65W	B	B-44	Union	9/26/69	10/14/69
(Dos Cuadras)	0241	51N 65W	B	B-45	Union	11/3/69	11/28/69
(Dos Cuadras)	0241	51N 65W	B	B-46	Union	10/27/69	11/10/69
(Dos Cuadras)	0241	51N 65W	B	B-47	Union	6/19/69	6/23/69
(Dos Cuadras)	0241	51N 65W	B	B-47RD	Union	3/16/70	3/30/70
(Dos Cuadras)	0241	51N 65W	B	B-48	Union	8/8/73	4/1/74
(Dos Cuadras)	0241	51N 65W	B	B-49	Union	11/9/70	3/26/71
(Dos Cuadras)	0241	51N 65W	B	B-50	Union	2/26/70	5/15/70
(Dos Cuadras)	0241	51N 65W	B	B-52	Union	1/8/70	2/25/70
(Dos Cuadras)	0241	51N 65W	B	B-53	Union	1/8/70	2/25/70
(Dos Cuadras)	0241	51N 65W	B	B-54	Union	3/9/70	5/15/70
(Dos Cuadras)	0241	51N 65W	B	B-55	Union	9/28/73	11/1/73
(Dos Cuadras)	0241	51N 65W	B	B-55RD	Union	1/15/74	1/25/74
(Dos Cuadras)	0241	51N 65W	B	B-56	Union	4/15/70	6/10/70
(Dos Cuadras)	0241	51N 65W	B	B-56RD	Union	10/19/72	12/1/72
(Dos Cuadras)	0241	51N 65W	B	B-57	Union	4/15/70	6/10/70
(Dos Cuadras)	0241	51N 65W	B	B-57RD	Union	8/14/72	9/26/72
(Dos Cuadras)	0241	51N 65W	B	B-58	Union	6/2/70	7/15/70
(Dos Cuadras)	0241	51N 65W	B	B-60	Union	8/2/72	8/9/72
(Dos Cuadras)	0241	51N 65W	B	B-61	Union	2/8/72	3/24/72
(Dos Cuadras)	0241	51N 65W	C	C-1	Union	4/20/77	7/14/77
(Dos Cuadras)	0241	51N 65W	C	C-2	Union	9/19/77	9/28/77
(Dos Cuadras)	0241	51N 65W	C	C-3	Union	9/21/72	10/3/77
(Dos Cuadras)	0241	51N 65W	C	C-4	Union	9/29/77	10/14/77
(Dos Cuadras)	0241	51N 65W	C	C-5	Union	9/12/78	1/16/79
(Dos Cuadras)	0241	51N 65W	C	C-14	Union	11/18/77	12/20/77
(Dos Cuadras)	0241	51N 65W	C	C-15	Union	4/29/77	6/17/77
(Dos Cuadras)	0241	51N 65W	C	C-16	Union	9/9/77	9/16/77
(Dos Cuadras)	0241	51N 65W	C	C-27	Union	5/2/77	7/29/77
(Dos Cuadras)	0241	51N 65W	C	C-28	Union	4/21/77	6/17/77
(Dos Cuadras)	0241	51N 65W	C	C-31	Union	10/27/77	12/6/77
(Dos Cuadras)	0241	51N 65W	C	C-33	Union	9/26/77	10/6/77
(Dos Cuadras)	0241	51N 65W	C	C-41	Union	4/27/77	7/14/77
(Dos Cuadras)	0241	51N 65W	C	C-42	Union	8/31/77	9/2/77
(Dos Cuadras)	0241	51N 65W	C	C-43	Union	9/28/77	10/14/77
(Dos Cuadras)	0241	51N 65W	C	C-44	Union	10/17/77	10/31/77
(Dos Cuadras)	0241	51N 65W	C	C-45	Union	10/12/77	10/28/77
(Dos Cuadras)	0241	51N 65W	C	C-46	Union	11/1/77	12/6/77
(Dos Cuadras)	0241	51N 65W	C	C-47	Union	9/11/78	1/16/79
(Dos Cuadras)	0241	51N 65W	C	C-51	Union	9/20/77	10/3/77
(Dos Cuadras)	0241	51N 65W	C	C-52	Union	9/11/78	1/16/79
(Dos Cuadras)	0241	51N 65W	C	C-53	Union	9/26/77	10/14/77
(Dos Cuadras)	0241	51N 65W	C	C-54	Union	9/14/77	9/22/77
(Dos Cuadras)	0241	51N 65W	C	C-55	Union	12/5/77	12/20/77
(Dos Cuadras)	0241	51N 65W	C	C-56	Union	9/1/77	9/8/77
(Dos Cuadras)	0241	51N 65W	C	C-57	Union	4/27/77	7/29/77
(Dos Cuadras)	0241	51N 65W	C	C-59	Union	8/9/77	8/22/77
(Dos Cuadras)	0241	51N 65W	C	C-60	Union	9/14/78	1/16/79

Availability: USGS.

LEASE SALE 35 (1975)**Development and Production Drilling Permits**

Unit/(Field)	Lease No. OCS-P	Block No.	Platform	Well No.	Operator	Submittal Date	Approval Data
(Beta)	0300	33N 36W	Ellen	A-1	Shell	7/17/80	8/7/80
(Beta)	0300	33N 36W	Ellen	A-2	Shell	8/12/80	9/2/80
(Beta)	0300	33N 36W	Ellen	A-3	Shell	7/17/80	9/2/80
(Beta)	0300	33N 36W	Ellen	A-4	Shell	9/16/80	9/19/80
(Beta)	0300	33N 36W	Ellen	A-5	Shell	9/25/80	10/7/80

Availability: USGS.

STEP 13. PIPELINES

30 CFR 250.18
43 CFR 3340

Once marketable quantities of oil or gas are found, a grant of right-of-way or a grant of right-of-use-and-easement is required for pipeline transportation across the OCS. The U.S. Geological Survey has permit jurisdiction over OCS pipelines that are wholly contained within the boundaries of a single lease, the boundaries of unitized leases, or the boundaries of adjacent leases under the same lessee or operator. The right-of-use-and-easement is granted by the Director of the Survey. Under the right-of-use-and-easement, the lessee may construct and maintain platforms, artificial islands, and all structures attached to the seabed on the OCS. This right also applies where pipelines are constructed, owned, and maintained by the lessee and feed into a facility where oil and gas are first collected or processed. The Bureau of Land Management has permit jurisdiction over OCS pipelines that extend beyond the boundaries of a single lease,

of unitized leases, or of adjacent leases under the same lessee or operation. The right-of-way is granted by the Director of the Bureau of Land Management. The right-of-way includes the site on which the common-carrier pipelines and associated structures are situated. The Bureau of Land Management, with the participation of other bureaus as appropriate, plans the location of pipeline rights-of-way. The Fish and Wildlife Service prepares and submits reports to the Bureau of Land Management concerning potential effects on biological resources from laying pipelines in proposed right-of-way corridors. The U.S. Geological Survey performs a technical review and makes a hazard analysis of the proposed pipeline routes.

Regulations for pipelines on the OCS are also issued by the Department of Transportation's Materials Transportation Bureau. In addition, the U.S. Army Corps of Engineers issues permits for the construction of pipelines in navigable waters. State and local agencies are responsible for regulation of pipelines in State waters.

1966 LEASE SALE

Pipeline Permits

Unit/(Field)	Lease No. OCS-P	Block No.	Operator	Type of Permit	Pipeline Type and Size	Length of Pipeline	Location of Pipeline	Submittal Date	Approval Date
(Carpinteria Offshore)	0166	51&52N 63W	Phillips	Right-of-use	12" oil 10" gas	1.02 km (.63 mi)	Hogan to shore Houchin to Hogan	late 1960's	late 1960's
Availability: Records not available.									

1968 LEASE SALE

The original development and production plan for lease OCS-P 0188 called for reinjection of gas into the formation at the platform. However, Pacific Offshore Pipeline Company (POPCO) has applied for a right-of-way permit with the Bureau of Land Management to construct a pipeline to transport natural gas to

the 3-mile line. The State of California has permit jurisdiction from the 3-mile line to shore.

Permits for pipelines between Platforms C (Dos Cuadras) and B (Dos Cuadras), B (Dos Cuadras) and A (Dos Cuadras), and Henry (Carpinteria Offshore) and Hillhouse (Dos Cuadras) are covered under lease operations.

1968 LEASE SALE

Pipeline Permits

Unit/(Field)	Lease No. OCS-P	Block No.	Operator	Type of Permit	Pipeline Type and Size	Length of Pipeline	Location of Pipeline	Submittal Date	Approval Date
Santa Ynez	0188	63N 74W	POPCO	Right-of-way	gas	n.a.	Hondo to shore	5/17/79	Pending
(Hueneme Offshore)	0202	46N 58W	Union	Right-of-way	10" oil 6" water	10 km (6.3 mi)	Gina to shore	11/22/80	Pending
Santa Clara	0216	48N 61W	Union	Right-of-way	12" oil 10" gas 6" water	17 km (10.6 mi)	Gilda to shore	11/22/80	Pending
Santa Clara	0217	48N 62W	Chevron	Right-of-use	12" oil 10" gas	19 km (11.9 mi)	Grace to Hope in State waters	11/30/77	10/16/79
Pitas Point	0234	50N 64W	Texaco	Right-of-way	gas	n.a.	Habitat to shore	11/22/80	Pending
(Dos Cuadras)	0240	51N 64W	Sun	Right-of-use	12" oil 10" gas	4 km (2.5 mi)	Henry to Hillhouse	6/5/68	7/12/68
	0240						Hillhouse to A		
(Dos Cuadras)	0241	51N 64W	Union	Right-of-use	12" oil 12" gas	.8 km (.5 mi)	A to shore	n.a.	n.a.
	0241						B to A		
	0241						C to B		

Availability: Right-of-way, BLM. Right-of-use, USGS.

n.a. = Data not available.

LEASE SALE 35 (1975)

Pipeline Permits

Unit/(Field)	Lease No. OCS-P	Block No.	Operator	Type of Permit	Pipeline Type and Size	Length of Pipeline	Location of Pipeline	Submittal Date	Approval Date
(Beta)	0300	33N 37W	Shell	Right-of-use	16" oil	24.5 km (15.25 mi)	Platform Elly to shore	11/7/77	1/8/80

Availability: USGS.

STEP 14. PRODUCTION

30 CFR 250.37 - 250.72
250.90 - 250.96

With the approval of the U.S. Geological Survey, the individual lessees determine the amount and duration of production. Once production begins, monthly reports of operations and royalty payments must be submitted to the Survey. Lessees must also comply with all safety and operating requirements of the Survey and the Coast Guard. In addition, lessees must obtain USGS approval of any significant modification of production equipment or procedures. The term of a particular lease will be extended beyond the initial term through production, drilling, or well reworking operations, or through the granting of suspension of operations by the Secretary of the Interior.

Details concerning production can be obtained from the Pacific Summary Report **(Outer Continental Shelf Oil and Gas Activities in the Pacific (Southern California) and their Onshore Impacts, May 1980, Open-File Report 80-645)** and the updates to that report.

**STEP 15. LEASE CANCELLATION,
EXPIRATION OR
RELINQUISHMENT**

30 CFR 250.15, 250.20, 250.34a
43 CFR 3320

Lessees may allow leases to expire at the end of their initial term unless the leases are extended through production or approved drilling or well reworking operations. Leases may also be surrendered by filing a written relinquishment with the appropriate regional BLM office. A producing lease may also be cancelled by the Secretary of the Interior for noncompliance with the provisions of the OCS Lands Act or applicable regulations. Nonproducing leases may be cancelled by an authorized officer, subject to judicial review, for noncompliance with the OCS Lands Act or applicable regulations. The Secretary may also cancel a lease when continued activity under the lease would probably cause serious harm or damage to life, property, any mineral, national security, or the marine, coastal, or human environment over an unreasonable period of time. At the time of abandonment, wellheads must be cut off below the surface of the ocean floor and other bottom obstructions must be removed. The Bureau of Land Management is responsible for all official record title actions, and official administrative records are maintained by each regional OCS office and are available to the public.

4. Ongoing Programs

There are four programs that generate OCS-related data used on a continuous basis from pre-lease sale activities through production. These are the USGS geological and geophysical surveys and analyses, the Intergovernmental Planning Program of the Bureau of Land Management, the BLM's Regional environmental and socioeconomic studies, and the Department of the Interior's OCS Oil and Gas Information Program. Each of these programs is presented in this chapter.

GEOLOGICAL AND GEOPHYSICAL SURVEYS AND ANALYSES

30 CFR 251

Geological and geophysical surveys and analyses provide most of the resource information used by the Government and industry on the oil and gas potential of various OCS areas. The collection of geological and geophysical data begins prior to the lease sale scheduling and continues throughout the OCS leasing process. The regional USGS offices issue pre-sale geological and geophysical exploration permits to specialized data-collection firms and industry. Data are also collected directly by operations of the U.S. Geological Survey.

All permit holders must notify the Director of the U.S. Geological Survey of the acquisition, analysis, or interpretation of any geological or geophysical data or information. The Director may inspect and require submission, on a proprietary basis, of all data and information. When any significant hydrocarbon occurrences are detected or environmental hazards are encountered on unleased lands during drilling operations, the Director immediately issues a public announcement. Deep stratigraphic test results are released 10

years after completion of the test well or 60 days after issuance of an OCS lease within 50 miles of the test site, whichever comes first. All other geological and geophysical data and analyzed, interpreted, or processed information are released 10 years after the issuance of the permit under which they were collected. However, data collected directly or purchased under exclusive contract by the U.S. Geological Survey are nonproprietary.

Except for proprietary data that would compromise the competitive position of a party participating in data collection or other lease sale activities, the raw data are available on magnetic tapes and/or microfiche from the National Geophysical and Solar-Terrestrial Data Center, National Oceanic and Atmospheric Administration, and may be inspected at the regional office that acquired the data.

States may review proprietary data submitted to the Director of the U.S. Geological Survey at locations designated by the Secretary of the Interior, pursuant to sections 26(d)(2) and 205(g) of the OCS Lands Act Amendments of 1978. This section requires that an official be appointed by the Governor for the inspection of the information and that the State be subject to certain provisions of confidentiality.

INTERGOVERNMENTAL PLANNING PROGRAM

The Intergovernmental Planning Program for OCS Oil and Gas Leasing, Transportation and Related Facilities (IPP) was implemented to provide a formal coordination and planning mechanism for three major OCS program elements administered by the Bureau of Land Management. These elements are the leasing

process, the Environmental Studies Program, and transportation planning. The leasing process was discussed in detail in chapter 3, and the Environmental Studies Program will be discussed in the next section of this chapter.

In each of the six OCS leasing regions (North Atlantic, Mid-Atlantic, South Atlantic, Gulf of Mexico, Pacific, and Alaska), a Regional Technical Working Group (RTWG) Committee has been established. If a marketable discovery of oil or gas is made, a State Technical Working Group (STWG) Subcommittee is also established. The RTWG Committees are one of three types of committees comprising the National OCS Advisory Board. The others are the Policy Committee and the Scientific Committee. The National OCS Advisory Board provides advice to the Secretary of the Interior and to other offices in the Department of the Interior in the performance of discretionary functions of the OCS Lands Act as amended (43 U.S.C. 1331 et seq.), including all aspects of leasing, exploration, development, and production of the resources of the Outer Continental Shelf.

Through the accumulation and evaluation of information, the Regional Technical Working Group Committees advise the Secretary, through the Director of the Bureau of Land Management, on technical matters of regional concern regarding pre-sale activities, transportation-related studies requirements, and transportation management plans for each OCS leasing region. Thus, RTWG Committee activities concern every aspect of the leasing program under Bureau of Land Management jurisdiction. Each RTWG Committee is composed of representatives of the participating States, the Bureau of Land Management, the Fish and Wildlife Service, the Coast Guard, the U.S. Geological Survey, the Environmental Protection Agency, the National Oceanic and Atmospheric Administration, the petroleum industry, and other special and private interests that exist in a leasing region. Every RTWG Committee is co-chaired by a State representative, who is elected by all the State representatives on the group, and by the OCS regional office manager or designee. The State representative's term of service is determined by all the State representatives on the group.

The movement of oil and/or gas from the Outer Continental Shelf to use points or to processing points is an important part of the overall RTWG planning function. The principal end product of this planning effort is a Regional Transportation Management Plan (RTMP). At a minimum, the final RTMP will include the following information and recommendations:

- analysis and recommendations for discrete transportation corridors and alternatives, including all routes to onshore facilities or to offshore terminals serving as collection points for more than one production area;
- identification of environmentally sound alternative areas for the location of onshore facilities;
- alternatives regarding surface vessel transportation, in accordance with appropriate regulatory agencies;
- plans for monitoring of construction and operations and any required followup studies; and
- any stipulations and use restrictions identified as applicable to transportation rights-of-way.

IPP transportation planning has four phases, each of which is related to steps in the OCS leasing, exploration, and development sequence. Each planning phase is more detailed and site-specific than the preceding one, and the third and fourth phases are begun only in the event of a discovery of oil and/or gas in commercially producible quantities. Phase I begins with the request for resource reports. This phase establishes the initial data base for the leasing region and identifies information needs for the following phases. Phase II is initiated with the publication of the proposed notice of sale in the Federal Register. Tasks include the examination of the scope and implications of the regional transportation issues and the recommendation of studies for inclusion in the Regional Studies Plan. Phase III, initiated only after a discovery of marketable

quantities of oil or gas, has the design and implementation of site-specific transportation studies as its primary objective. Upon the completion of Phase III studies, Phase IV is initiated, resulting in the Regional Transportation Management Plan.

REGIONAL ENVIRONMENTAL AND SOCIOECONOMIC STUDIES

43 CFR 3331

The BLM's Environmental Studies Program was initiated in 1973 by the Secretary of the Interior through a commitment to perform investigations of certain environmental features of the Gulf of Mexico. The program was formalized in section 20 of the OCS Lands Act Amendments of 1978 (Public Law 95-372), which requires the Secretary to conduct a study of any area or region included in any oil and gas lease sale in order to establish information needed for assessment of the human, marine, and coastal environments of the Outer Continental Shelf and the coastal areas that may be affected by oil and gas development there.

The Environmental Studies Program is currently under the direction of the BLM's Assistant Director, Energy and Mineral Resources. The program consists of an environmental studies group in each of the BLM's regional OCS offices (New York, New Orleans, Los Angeles, and Anchorage) and the Branch of Offshore Studies in Washington, D.C. The regional OCS offices and the Washington Office have different functions in the program. The regional offices are responsible for developing statements of regional study needs (Regional Study Plans), preparing statements of work, and monitoring contractor performance on all approved regional studies. The Washington, D.C., Branch of Offshore Studies has the overall management, planning, and budgeting responsibility for the studies program. The Chief of the Branch of Offshore Studies is responsible for the technical adequacy of the program and its component studies. The Branch of Offshore Studies prepares program guidance for the regional offices to use in the preparation of Regional Study Plans, establishes national priorities, compiles the Na-

tional Study Plan, and manages studies that are applicable to more than one leasing region.

The normal process of defining the National Study Plan usually begins with the Branch of Offshore Studies, through the Assistant Director, establishing the schedule for the regional offices to prepare Regional Study Plans. These plans include statements of regional study needs, the regional perspective on the priorities of these needs, and a brief description of each proposed study. The Branch of Offshore Studies reviews draft Regional Study Plans from all four regional OCS offices for programmatic consistency, cost, use of ranking criteria, and relevance to issues of national interest, and the OCS offices revise their respective study plans accordingly. Following the submission of final study plans, the Branch of Offshore Studies compiles a preliminary National Study List.

The regional offices are required to procure the studies on the approved study list unless a proposed change is approved by the BLM's Assistant Director. This permits the regional offices to respond to unanticipated study needs that arise between compilation of study plans, and it also ensures the continuity of program initiatives.

The RTWG Committees are also involved in the development of regional study programs. These groups are involved in the determination of issues that require study and their importance to regional decisionmakers. The Regional Technical Working Groups review the draft Regional Study Plan. They are briefed on the status of regional studies on the national list and may be involved in preparing the final draft of the Regional Study Plans. The Working Groups are advised of studies that are approved for funding, and they compile the plans for the following year's Regional Study Plan based upon this information. The Working Groups may also be involved in the design of approved studies. This involvement may include suggesting study techniques, defining critical products and the schedule of their delivery, establishing the study scope, and suggesting an appropriate level of funding.

The proposed IPP environmental studies are reviewed by the Scientific Committee of

the OCS Advisory Board. This committee has the responsibility to review the appropriateness, feasibility, and scientific merit of the program's component studies. The committee may comment on any study in the program, including those nominated by the RTWG Committees. The Scientific Committee may institute a change in any study's scope, techniques, or cost.

While the regional studies are initiated at least 6 months prior to a lease sale, they continue through subsequent leasing activities. These continuing studies establish environmental information for comparison with any previously collected data to identify any significant changes in the quality and productivity of the human, marine, and coastal environments.

OCS OIL AND GAS INFORMATION PROGRAM

30 CFR 252
43 CFR 3300.2

Section 26 of the OCS Lands Act, as amended, calls for the establishment of an Outer Continental Shelf Oil and Gas Information Program. This section requires submission and public dissemination of oil and gas data and information resulting from exploration, development, and production activities. Procedures and requirements established for the Outer Continental Shelf Oil and Gas Information Program (now managed by the Office of OCS Information) are contained in 30 CFR 252.3, 252.4, and 252.5 and 43 CFR 3300.2. These regulations require the Director of the U.S. Geological Survey to make available to affected States a regional summary report of information and data designed to assist State and local governments in planning for onshore impacts of potential OCS oil and gas development and production. The regulations also require the Directors of the Survey and the Bureau of Land Management to provide affected States with an index that lists all relevant, actual, or proposed programs, plans, reports, environmental impact statements, and lease sale information. Neither of these documents is to contain proprietary information.

Limited technical assistance in planning for coastal effects associated with OCS oil and gas development is also available from OCSI. All requests for technical assistance will be evaluated and approved on a case-by-case basis, and inquiries should be directed to the OCSI Office at the address shown in the front of this publication.

5. State and Local Involvement in the OCS Leasing Process

This chapter describes State and local participation in the Federal OCS leasing process as well as the autonomous responsibilities of States for OCS-related activities. The specific State agencies in California, Oregon, and Washington that are, or could be, involved in OCS-related activities are also presented (tables 1, 2, and 3). These agencies, their addresses, phone numbers, and the names of people to contact are in appendix D.

STATE AGENCY PARTICIPATION IN THE FEDERAL OCS PROCESS

The Federal Government, represented by the Department of the Interior, coordinates and consults with affected States and through States, local governments, during the Federal OCS leasing process.

Federal/State interaction often begins with the review of the proposed OCS oil and gas leasing schedule. This step, and several subsequent steps throughout the sale process, require the Federal government to invite and consider suggestions from the Governors of the potentially affected States. A Governor of a State, usually through a designated agency or office, invites potentially affected local government and pertinent State agencies to comment on the action. This agency or office is usually responsible for coordinating State and local responses by distributing the documents or information to the pertinent State agencies and local government and submitting the responses to the Secretary of the Interior or the Bureau of Land Management. The Secretary of the Interior may then incorporate

the State's position in making decisions on various sale options.

Post-lease sale exploration plans and development and production plans are sent to the potentially affected States for review and comment prior to the approvals granted by the Secretary of the Interior for the initiation of industry activity. The process for this review varies from State to State. Many States have an agency responding to the post-lease sale activities different from the one that responded to the pre-lease sale activities.

California, Washington, and Oregon respond under section 307 of the Coastal Zone Management Act because all three States have approved coastal zone plans. Section 307 mandates that the States review exploration plans as well as development and production plans, and the activities described in detail in the plans, for consistency with the State programs. Upon concurrence by the State(s) with the consistency certification, all activities described in detail can be approved. Tables 1, 2, and 3 indicate the agencies in each State of the Pacific Region that are responsible for consistency certification concurrence. These agencies usually distribute the Plans within their State and coordinate the responses (either of concurrence or objection) to the consistency determination. If the State does not submit a concurrence or a written statement describing the status of review to the Secretary of the Interior within 3 months (section 307(c)(B)(ii) and 15 CFR 930.79 of the Coastal Zone Management Act, as amended by section 504 of the OCS Lands Act) after the receipt of the exploration plan or the development and production plan, it is

presumed that the State has no objection to the consistency certification and the U.S. Geological Survey can approve the proposed industry activity.

The four Federal programs described in the previous chapter also provide opportunities for State participation.

AUTONOMOUS STATE RESPONSIBILITIES FOR OCS-RELATED ACTIVITIES

State governments issue permits for various OCS-related activities in State waters, including the planning and construction of nearshore and onshore oil and gas facilities such as pipelines, terminals, refineries, and ports. Planning for and construction of these facilities usually occur during development and production phases of the Federal OCS leasing process presented in chapter 3. Permits issued by agencies in California, Oregon, and Washington are listed in tables 4, 5, and 6).

Federally funded State Coastal Zone Management Programs and Coastal Energy Impact Programs are important in planning for and mitigating the impacts of retrieving oil and gas from the OCS. The agencies responsible for these programs are listed in tables 4, 5, and 6.

STATE AGENCY LISTINGS

State agencies involved in the OCS leasing process are presented in the following six tables (tables 1, 2, 3, 4, 5, and 6). The first table for each state presents information on state agency involvement in response to Federal initiatives. The second table for each state outlines the functions (for example, the permitting of onshore facilities) which States generally carry out autonomously.

Table 1.—California: participation in the Federal OCS process^a

FEDERAL OCS PROCESS	STATE AGENCY/OFFICE	TYPE OF PARTICIPATION
OCS ADVISORY BOARD	GOVERNOR'S OFFICE Office of Planning and Research	<ul style="list-style-type: none"> • Comment, distribute, coordinate response
PROPOSED OCS OIL AND GAS LEASE SALE SCHEDULE	GOVERNOR'S OFFICE Office of Planning and Research	<ul style="list-style-type: none"> • Comment, distribute, coordinate response
RESOURCE REPORTS	GOVERNOR'S OFFICE Office of Planning and Research	<ul style="list-style-type: none"> • Comment, distribute, coordinate response
CALL FOR NOMINATIONS AND COMMENTS	GOVERNOR'S OFFICE Office of Planning and Research	<ul style="list-style-type: none"> • Comment, distribute, coordinate response
TENTATIVE TRACT SELECTION NOTICE, STATE BRIEFING	GOVERNOR'S OFFICE Office of Planning and Research	<ul style="list-style-type: none"> • Comment, distribute, coordinate response, meeting
PRE-SALE ENVIRONMENTAL IMPACT STATEMENT	GOVERNOR'S OFFICE Office of Planning and Research A-95 Clearing-house	<ul style="list-style-type: none"> • Comment • Distribute, coordinate response
PROPOSED NOTICE OF SALE	GOVERNOR'S OFFICE Office of Planning and Research	<ul style="list-style-type: none"> • Comment, distribute, coordinate response
EXPLORATION PLAN AND ENVIRONMENTAL REPORT	GOVERNOR'S OFFICE Office of Planning and Research	<ul style="list-style-type: none"> • Comment
	CALIFORNIA COASTAL COMMISSION	<ul style="list-style-type: none"> • Review, comment, consistency certification concurrence
ENVIRONMENTAL ASSESSMENT AND EIS, IF NECESSARY, FOR EXPLORATION	GOVERNOR'S OFFICE Office of Planning and Research A-95 Clearing-house	<ul style="list-style-type: none"> • Comment • Distribute, coordinate response
	CALIFORNIA COASTAL COMMISSION	<ul style="list-style-type: none"> • Comment
APPLICATION FOR PERMIT TO DRILL, EXPLORATION ^b	GOVERNOR'S OFFICE Office of Planning	<ul style="list-style-type: none"> • Review, assist applicant by coordinating activities with agencies issuing permits

See footnotes at end of table.

Table 1.—California: participation in the Federal OCS process^a (continued)

FEDERAL OCS PROCESS	STATE AGENCY/OFFICE	TYPE OF PARTICIPATION
DEVELOPMENT AND PRODUCTION PLAN AND ENVIRONMENTAL REPORT	GOVERNOR'S OFFICE Office of Planning and Research	<ul style="list-style-type: none"> • Comment
	CALIFORNIA COASTAL COMMISSION	<ul style="list-style-type: none"> • Consistency certification concurrence
ENVIRONMENTAL ASSESSMENT AND EIS, IF NECESSARY, FOR DEVELOPMENT AND PRODUCTION	GOVERNOR'S OFFICE Office of Planning and Research A-95 Clearing-house	<ul style="list-style-type: none"> • Comment • Distribute, coordinate response
	CALIFORNIA COASTAL COMMISSION	<ul style="list-style-type: none"> • Comment
APPLICATION FOR PERMIT TO DRILL, DEVELOPMENT AND PRODUCTION ^b	GOVERNOR'S OFFICE Office of Planning and Research	<ul style="list-style-type: none"> • Comment
PIPELINE PERMIT ^b (Federal Water)	GOVERNOR'S OFFICE Office of Planning and Research	<ul style="list-style-type: none"> • Review, assist applicant by coordinating activities with agencies issuing permits
	CALIFORNIA COASTAL COMMISSION	<ul style="list-style-type: none"> • Consistency certification concurrence
INTERGOVERNMENTAL PLANNING PROGRAM (on-going)	STATE LANDS COMMISSION, DIRECTOR'S OFFICE	<ul style="list-style-type: none"> • Regional Technical Working Group Committee Member
GEOLOGICAL AND GEOPHYSICAL ANALYSIS ^d (on-going)	GOVERNOR'S OFFICE Office of Planning and Research Special Appointed Official	<ul style="list-style-type: none"> • Non-proprietary: Comment • Proprietary: Section 26(d)(2)(3) review
	CALIFORNIA COASTAL COMMISSION	<ul style="list-style-type: none"> • Non-proprietary: Comment
	DEPARTMENT OF CONSERVATION Division of Mines and Geology	<ul style="list-style-type: none"> • Non-proprietary: Comment
REGIONAL ENVIRONMENTAL STUDIES (on-going)	STATE LANDS COMMISSION, DIRECTOR'S OFFICE	<ul style="list-style-type: none"> • Regional Technical Working Group Committee Member

See footnotes at end of table.

Table 1.—California: participation in the Federal OCS process^a (continued)

FEDERAL OCS PROCESS	STATE AGENCY/OFFICE	TYPE OF PARTICIPATION
OCS OIL AND GAS INFORMATION PROGRAM (on-going)	DEPARTMENT OF CONSERVATION Division of Mines and Geology State Geologist ^c	<ul style="list-style-type: none"> • Comment, distribute information

^aCalifornia's Coastal Management Program was approved in 1978.

^bDetailed descriptions of these activities are reviewed through exploration, development and production plans.

^cGovernor's designated OCS representative along with the director of the Office of Planning and Research. In accordance with the OCS Lands Act Amendments of 1978, the Governor of any affected state may designate an appropriate state official to receive information as designated by the Secretary of the Interior.

^dThe Division of Oil and Gas in the Department of Conservation serves in an informal advisory capacity for these on-going programs in the Federal OCS process.

NOTE: Telephone numbers and addresses for the above agencies/contacts may be found in the State Section of appendix B.

Table 2.—Oregon: participation in the Federal OCS process^a

FEDERAL OCS PROCESS	STATE AGENCY/OFFICE	TYPE OF PARTICIPATION
OCS ADVISORY BOARD	LAND CONSERVATION AND DEVELOPMENT DEPARTMENT	<ul style="list-style-type: none"> • OCS Contact^d
PROPOSED OCS OIL AND GAS LEASE SALE	LAND CONSERVATION AND DEVELOPMENT DEPARTMENT	<ul style="list-style-type: none"> • Comment, distribute, coordinate response^b
RESOURCE REPORTS	LAND CONSERVATION AND DEVELOPMENT DEPARTMENT	<ul style="list-style-type: none"> • Comment, distribute, coordinate response^b
CALL FOR NOMINATIONS AND COMMENTS	LAND CONSERVATION AND DEVELOPMENT DEPARTMENT	<ul style="list-style-type: none"> • Comment, distribute, coordinate response^b
TENTATIVE TRACT SELECTION NOTICE, STATE BRIEFING	LAND CONSERVATION AND DEVELOPMENT DEPARTMENT	<ul style="list-style-type: none"> • Comment, distribute, coordinate response^b
PRE-SALE ENVIRONMENTAL IMPACT STATEMENT	LAND CONSERVATION AND DEVELOPMENT DEPARTMENT	<ul style="list-style-type: none"> • Comment, coordinate response^b
PROPOSED NOTICE OF SALE	LAND CONSERVATION AND DEVELOPMENT DEPARTMENT	<ul style="list-style-type: none"> • Comment, distribute, coordinate response^b
EXPLORATION PLAN AND ENVIRONMENTAL REPORT	LAND CONSERVATION AND DEVELOPMENT DEPARTMENT	<ul style="list-style-type: none"> • Consistency certification concurrence^b
ENVIRONMENTAL ASSESSMENT AND EIS, IF NECESSARY	LAND CONSERVATION AND DEVELOPMENT DEPARTMENT	<ul style="list-style-type: none"> • Consistency certification concurrence^b
APPLICATION FOR PERMIT TO DRILL, EXPLORATION	LAND CONSERVATION AND DEVELOPMENT DEPARTMENT	<ul style="list-style-type: none"> • Comment
DEVELOPMENT AND PRODUCTION PLAN AND ENVIRONMENTAL REPORT	LAND CONSERVATION AND DEVELOPMENT DEPARTMENT	<ul style="list-style-type: none"> • Consistency certification concurrence^b
ENVIRONMENTAL ASSESSMENT AND EIS, IF NECESSARY, FOR DEVELOPMENT AND PRODUCTION	LAND CONSERVATION AND DEVELOPMENT DEPARTMENT	<ul style="list-style-type: none"> • Consistency certification concurrence^b
APPLICATION FOR PERMIT TO DRILL, DEVELOPMENT AND PRODUCTION ^c	LAND CONSERVATION AND DEVELOPMENT DEPARTMENT	<ul style="list-style-type: none"> • Comment

See footnotes at end of table.

Table 2.—Oregon: participation in the Federal OCS process^a (continued)

FEDERAL OCS PROCESS	STATE AGENCY/OFFICE	TYPE OF PARTICIPATION
PIPELINE PERMIT ^c (Federal Water)	LAND CONSERVATION AND DEVELOPMENT DEPARTMENT	<ul style="list-style-type: none"> Consistency certification concurrence^b
INTERGOVERNMENTAL PLANNING PROGRAM (on-going)	LAND CONSERVATION AND DEVELOPMENT DEPARTMENT	<ul style="list-style-type: none"> OCS Contact^d
GEOLOGICAL AND GEOPHYSICAL ANALYSIS (on-going)	LAND CONSERVATION AND DEVELOPMENT DEPARTMENT GOVERNOR'S OFFICE Special Appointed Official	<ul style="list-style-type: none"> Non-proprietary: Comment Proprietary: Section 26 (d)(2)(e) review
	DEPARTMENT OF GEOLOGY AND NATURAL RESOURCES	<ul style="list-style-type: none"> Non-proprietary: Comment
REGIONAL ENVIRONMENTAL STUDIES (on-going)	LAND CONSERVATION AND DEVELOPMENT DEPARTMENT	<ul style="list-style-type: none"> OCS Contact^d
OCS OIL AND GAS INFORMATION PROGRAM (on-going)	LAND CONSERVATION AND DEVELOPMENT DEPARTMENT	<ul style="list-style-type: none"> Comment, distribute information

^aOregon's Coastal Management Program was approved in 1977.

^bOregon has not experienced OCS leasing and has an informal system for these activities.

^cDetailed descriptions of these activities are reviewed through exploration, development, and production plans.

^dThe Governor has not appointed a member to the OCS Policy Committee or the Regional Technical Working Group Committee; however, an OCS contact has been established.

Table 3.—Washington: participation in the Federal OCS process^a

FEDERAL OCS PROCESS	STATE AGENCY/OFFICE	TYPE OF PARTICIPATION
OCS ADVISORY BOARD	DEPARTMENT OF ECOLOGY Director's Office	<ul style="list-style-type: none"> • OCS Policy Committee Member
PROPOSED OCS OIL AND GAS LEASE SALE SCHEDULE	GOVERNOR'S OFFICE	<ul style="list-style-type: none"> • Comment, distribute, coordinate response^b
RESOURCE REPORTS	GOVERNOR'S OFFICE	<ul style="list-style-type: none"> • Comment, distribute, coordinate response^b
CALL FOR NOMINATIONS AND COMMENTS	GOVERNOR'S OFFICE	<ul style="list-style-type: none"> • Comment, distribute, coordinate response^b
TENTATIVE TRACT SELECTION NOTICE, STATE BRIEFING	GOVERNOR'S OFFICE	<ul style="list-style-type: none"> • Comment, distribute, coordinate response^b
PRE-SALE ENVIRONMENTAL IMPACT STATEMENT	GOVERNOR'S OFFICE Office of Financial Management	<ul style="list-style-type: none"> • Comment, distribute, coordinate response
PROPOSED NOTICE OF SALE	GOVERNOR'S OFFICE	<ul style="list-style-type: none"> • Comment, distribute, coordinate response^b
EXPLORATION PLAN AND ENVIRONMENTAL REPORT	DEPARTMENT OF ECOLOGY Office of Land Programs	<ul style="list-style-type: none"> • Consistency certification concurrence
ENVIRONMENTAL ASSESSMENT AND EIS, IF NECESSARY, FOR EXPLORATION	DEPARTMENT OF ECOLOGY Office of Land Programs GOVERNOR'S OFFICE	<ul style="list-style-type: none"> • Comment • Distribute, coordinate response
APPLICATION FOR PERMIT TO DRILL, EXPLORATION	DEPARTMENT OF ECOLOGY Office of Land	<ul style="list-style-type: none"> • Comment
DEVELOPMENT AND PRODUCTION PLAN AND ENVIRONMENTAL REPORT	DEPARTMENT OF ECOLOGY Office of Land Programs	<ul style="list-style-type: none"> • Consistency certification concurrence
ENVIRONMENTAL ASSESSMENT AND EIS, IF NECESSARY, FOR DEVELOPMENT AND PRODUCTION	DEPARTMENT OF ECOLOGY Office of Land Programs GOVERNOR'S OFFICE	<ul style="list-style-type: none"> • Comment • Distribute, coordinate response
APPLICATION FOR PERMIT TO DRILL, DEVELOPMENT AND PRODUCTION ^c	DEPARTMENT OF ECOLOGY Office of Land Programs	<ul style="list-style-type: none"> • Consistency certification

See footnotes at end of table.

Table 3.—Washington: participation in the Federal OCS process^a (continued)

FEDERAL OCS PROCESS	STATE AGENCY/OFFICE	TYPE OF PARTICIPATION
PIPELINE PERMIT ^c (Federal Water)	DEPARTMENT OF ECOLOGY Office of Land Programs	<ul style="list-style-type: none"> • Comment
INTERGOVERNMENTAL PLANNING PROGRAM (on-going)	DEPARTMENT OF ECOLOGY Office of Land Programs Shore-lands Division	<ul style="list-style-type: none"> • Regional Technical Working Group Committee Member
GEOLOGICAL AND GEOPHYSICAL ANALYSIS (on-going)	DEPARTMENT OF ECOLOGY Office of Land Programs	<ul style="list-style-type: none"> • Non-proprietary: Comment
	DEPARTMENT OF NATURAL RESOURCES Geological Survey	<ul style="list-style-type: none"> • Non-proprietary: Comment
	GOVERNOR'S OFFICE Special Appointed Official	<ul style="list-style-type: none"> • Proprietary: Section 26 (d)(2)(e) review
REGIONAL ENVIRONMENTAL STUDIES (on-going)	DEPARTMENT OF ECOLOGY Office of Land Programs Shore-lands Division	<ul style="list-style-type: none"> • Regional Technical Working Group Committee Member
OCS OIL AND GAS INFORMATION PROGRAM (on-going)	DEPARTMENT OF ECOLOGY ^d Office of Land Programs Shore-lands Division	<ul style="list-style-type: none"> • Comment, distribute information

^aWashington's CZM Program received Federal approval in 1976.

^bWashington State has not experienced OCS activity and has not established a formal system for these activities.

^cDetailed descriptions of these activities are reviewed through exploration, development and production plans.

^dGovernor's designated OCS representative. In accordance with the OCS Lands Act Amendments of 1978, the Governor of any affected State may designate an appropriate State official to receive information as designated by the Secretary of the Interior.

Table 4.—California: autonomous responsibilities for OCS-related activities^a

KEY AGENCY	RESPONSIBILITIES/CONTROLS	SPECIFIC CONTACT
GOVERNOR'S OFFICE	OCS Policy Committee Member	Office of Planning and Research, Deputy Director
CALIFORNIA COASTAL COMMISSION	CZMP/CEIP Designate Areas of Particular Concern Permits: Coastal Development Tidelands Submerged Lands Public Trust lands Developments within - 100' of Wetlands, Estuaries, Streams, Coastal Bluffs Developments between Ocean and First Public Road or 300' from Mean High Water Energy Facilities Developments in Sensitive Coastal Resource Areas	California Coastal Commission
PUBLIC UTILITIES COMMISSION	Permit: LNG Facilities	LNG Task Force
STATE LANDS COMMISSION	Easements, Leases for Dredging, Pipelines, etc.	State Lands Commission
STATE WATER RESOURCES BOARD	Permits: NPDES State Waste Dis- charge Require- ments Water Rights	State Water Resources Control Board Division of Water Quality ^b Division of Water Rights
AIR RESOURCES BOARD	Permit: Air Quality	Air Resources Board ^c
STATE SOLID WASTE MANAGEMENT BOARD	Permit: Solid Waste Hand- ling/Disposal	State Solid Waste Management Board

See footnotes at end of table.

Table 4.—California: autonomous responsibilities for OCS-related activities^a (continued)

KEY AGENCY	RESPONSIBILITIES/CONTROLS	SPECIFIC CONTACT
DEPARTMENT OF HEALTH SERVICES	Permit: Hazardous Waste Handling/ Disposal	Hazardous Materials Management Section
DEPARTMENT OF PARKS AND RECREATION	Designate Archaeologic and Historic Sites	Office of Historic Preservation

^aCalifornia's Federally approved CZMP is based on a state coastal management act; the CALIFORNIA COASTAL COMMISSION is the advisory group for the CZMP.

^bWater quality permits are issued locally by nine Regional Water Quality Control Boards.

^cAir Quality permits are issued locally and reviewed by the Air Resources Board.

Table 5.—Oregon: autonomous responsibilities for OCS-related activities^a

KEY AGENCY	RESPONSIBILITIES/CONTROLS	SPECIFIC CONTACT
DEPARTMENT OF LAND CONSERVATION AND DEVELOPMENT	OCS Policy Committee Member ^b CZMP/CEIP Designate Areas of Particular Concern	Department of Land Conservation and Development
DEPARTMENT OF ENERGY	Issues Site Certificates for Petroleum, LNG, and Gas Pipelines of Certain Sizes	Energy Facility Siting Council
PUBLIC UTILITIES COMMISSION	Permit: Oil and Gas Pipelines Not Controlled by DOE	Utilities Division ^c
DEPARTMENT OF ENVIRONMENTAL QUALITY	Permit: Air Quality	Air Quality Division
	Permits: NPDES Water Quality Certificate	Water Quality Division
	Permit: Solid Waste Handling/Disposal	Solid Waste Division
	Permit: Hazardous Waste Handling/Disposal	Hazardous Waste Section
WATER RESOURCES DEPARTMENT	Permit: Water Right (Use)	Water Rights Division
	Permits: Reservoir Hydroelectric Water Well	Wells and Dam Division
DIVISION OF STATE LANDS	Leases, Easements Permit: Dredge and Fill	Division of State Lands
DEPARTMENT OF TRANSPORTATION	Permits: Ocean Shore Improvement Removal of Ocean Shore Products (for pipelines, cable lines, etc.) Designate Archaeologic and Historic Sites	Parks and Recreation Division

^aOregon's Federally approved CZMP is based on a state coastal management act; the LAND CONSERVATION AND DEVELOPMENT COMMISSION is the advisory group for the CZMP.

^bThe Governor has not appointed a member to the OCS Policy Committee; however, an OCS contact has been established.

^cOil and gas pipelines which are not public utilities are under local jurisdiction for permit issuance.

NOTE: Telephone numbers and addresses for the above agencies/contacts may be found in the State Section of appendix B.

Table 6.—Washington: autonomous responsibilities for OCS-related activities ^a

KEY AGENCY	RESPONSIBILITIES/CONTROLS	SPECIFIC CONTACT
DEPARTMENT OF ECOLOGY	OCS Policy Committee Member	Director's Office Shorelands Division Office
	CZMP/CEIP	
	Designate Areas of Particular Concern	
	Administers Shorelines Management Act (SMA)	
	Appeals Authority for SMA Permits	Office of Air Programs
	Permit: Floodplain Alteration/Structures	
	Permits: Office of Water Programs NPDES Water Quality Certification Water Rights (Use of Surface and Groundwater) Water Well construction Administer Programs for Oil Spill Prevention, Investigation, Penalties	
	Permit: Air Quality	
ENERGY FACILITY SITE EVALUATION COUNCIL	Permit: Solid Waste Handling/Disposal	Solid Waste Division
	Administer Noise Abatement Program	Noise Section
	Permit: Hazardous Waste Handling/Disposal	Solid Waste Division
DEPARTMENT OF NATURAL RESOURCES	Evaluate Oil and Gas Facility Applications and Make Recommendations to Governor	Energy Facility Site Evaluation Council
	Easements, Leases for Water-bottoms Permit to Fill	Marine Land Management Division
	Easements, Leases for Agricultural and Commercial Land	Lands Division

See footnotes at end of table.

Table 6.—Washington: autonomous responsibilities for OCS-related activities^a (continued)

KEY AGENCY	RESPONSIBILITIES/CONTROLS	SPECIFIC CONTACT
DEPARTMENT OF FISHERIES	Permit: Hydraulic (Dredge and Fill) (w/Department of Game)	Natural Production Division
DEPARTMENT OF GAME	Permit: Hydraulic (Dredge and Fill) (w/Department of Fisheries)	Environmental Affairs Division
STATE PARKS AND RECREATION COMMISSION	Designate Archaeologic and Historic Sites	Office of Archaeology and Historic Preservation
DEPARTMENT OF SOCIAL AND HEALTH SERVICES	Approve Public Water Supply Plans	Water Supply and Waste Section
DEPARTMENT OF TRANSPORTATION	Advice for Transportation and Facilities	Department of Transportation

^aWashington's Federally approved CZMP is based on a state coastal management act; the SHORELINES HEARINGS BOARD is the advisory group for the CZMP. The ENERGY FACILITY SITE EVALUATION COUNCIL is the lead agency for oil and gas facility siting pursuant to the state's Substitute Senate Bill 3172.

NOTE: Telephone numbers and addresses for the above agencies/contacts may be found in the State Section of appendix B.

Appendix A. Listing of Federal Agencies – Headquarters and Regional

The OCS address and telephone listings are organized alphabetically. The Federal listing is arranged by department or agency headquarters; the participating regional or

field offices follow immediately after the headquarters offices with which they are associated.

COUNCIL ON ENVIRONMENTAL QUALITY

722 Jackson Place, NW.
Washington, DC 20006

Katherine Plowman, Acting Chairman

(202) 395-5700

Environmental Data and Monitoring
Room 34

(202) 395-5760

John Ficke, Senior Staff Member

DEPARTMENT OF AGRICULTURE

Minerals and Geology Staff
USDA, Forest Service
National Forest System Office
14th and Independence Ave, SW.
Washington, DC 20250

(202) 235-8105

Howard E. Banta, Director

DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration

Ocean Programs
RD3 WSC-5
Room 1025
6010 Executive Boulevard
Rockville, MD 20852

(301) 443-8963

Dr. Norbert Untersteiner, Director

National Oceanic and Atmospheric Administration (Continued)

Operations and Program Evaluation Office (301) 443-8951
 OA2 WSC-5
 Room 804
 6010 Executive Boulevard
 Rockville, MD 20852

Robert Sorey, Director

Office of Coastal Zone Management
 Office of Ocean Resources Coordination & Assessment (202) 634-4120
 3300 Whitehaven Street, NW.
 Washington, DC 20235

Charles N. Ehler, Director

Coastal Zone Management: Regional Offices

Office of Coastal Zone Management
 Page Building 2
 3300 Whitehaven Street, NW.
 Washington, DC 20235

Kathryn Cousins
 North Atlantic Regional Manager (202) 634-4126

John Phillips
 South Atlantic Regional Manager (202) 254-7495

Ann Berger-Blundon
 Gulf Regional Manager (202) 254-7546

Peter McAvoy
 Pacific Regional Manager (202) 254-7100

Coastal Energy Impact Program

Eileen Mulaney, Director (202) 634-4128

National Marine Fisheries Service
 Office of Habitat Protection (202) 634-7490
 Page Building 2
 3300 Whitehaven Street, NW.
 Washington, DC 20235

Dr. Robert E. Smith, Acting Director

DEPARTMENT OF DEFENSE

Office of the Assistant Secretary (202) 697-7227
 Manpower, Reserves and Logistics
 The Pentagon DASD (I&H) IR
 Washington, D.C. 20301

U.S. Army Corps of Engineers

(202) 272-0104

DAEN-CWZ-P
Pulaski Building
20 Massachusetts Avenue, NW.

Lt. Col. George F. Boone, Assistant Director of Civil
Works, Environmental Program

Office of the Chief of Engineers (Regulatory)
DAEN-CWO-N

(202) 272-0200

Lt. General J. K. Bratton, Chief of Engineers

(202) 272-0001

Corps of Engineers: District Offices

District Engineer
U.S. Army Corps of Engineers

Alaska District
P.O. Box 7002
Anchorage, AK 99510

(907) 279-1132

Baltimore District
P.O. Box 1715
Baltimore, MD 21203

(301) 962-4545

Charleston District
P.O. Box 919
Charleston, SC 29402

(803) 724-4229

Galveston District
P.O. Box 1229
Galveston, TX 77553

(713) 763-1211
(extension 302)

Jacksonville District
P.O. Box 4970
Jacksonville, FL 32201

(904) 791-2241

Los Angeles District
P.O. Box 2711
Los Angeles, CA 90053

(213) 688-5300

Mobile District
P.O. Box 2288
Mobile, AL 36628

(205) 690-2511

New England - Division
Division Engineer
424 Trapelo Road
Waltham, MA 02154

(617) 894-2400
(extension 220)

New Orleans District
P.O. Box 60267
New Orleans, LA 70118

(504) 865-1121
(extension 200)

U.S. Army Corps of Engineers (Continued)

New York District 26 Federal Plaza New York, NY 10007	(212) 264-0100
Norfolk District 803 Front Street Norfolk, VA 23510	(804) 441-3601
Philadelphia District U.S. Customs House 2nd & Chestnut Streets Philadelphia, PA 19106	(215) 597-4848
Portland District P.O. Box 2946 Portland, OR 97208	(503) 221-6000
San Francisco District 211 Main Street San Francisco, CA 94105	(415) 556-3660
Savannah District P.O. Box 889 Savannah, GA 31402	(912) 233-8822 (extension 224)
Seattle District P.O. Box C-3755 Seattle, WA 98124	(206) 764-3690
Wilmington District P.O. Box 1890 Wilmington, NC 28402	(919) 343-4624

DEPARTMENT OF ENERGY

Leasing Policy Development Room 2140, New Post Office Building 12th & Pennsylvania Avenue, NW. Washington, D.C. 20461	(202) 633-9421
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Robert Lawton, Director

Federal Energy Regulatory Commission

Office of Regulatory Analysis 825 North Capitol Street, NE. Washington, D.C. 20426	(202) 357-8191
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Robert E. Anderson, Acting Director

Office of Pipeline and Producers Regulations	(202) 357-8500
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Kenneth A. Williams, Director

DEPARTMENT OF THE INTERIOR

Office of the Secretary (202) 343-7351
18th and C Streets, NW.
Washington, D.C. 20240

James G. Watt, Secretary

Policy, Budget and Administration (202) 343-6181
Assistant Secretary

Office of OCS Program Coordination (202) 343-9311

Alan Powers, Director

Michelle Tetley, Information Officer (202) 343-9314

Energy and Minerals (202) 343-2186

William P. Pendley, Deputy Assistant Secretary (202) 343-2182

Fish and Wildlife and Parks (202) 343-4416

G. Ray Arnett (designate)

Deputy Assistant Secretary (202) 343-4678

Deputy Assistant Secretary (202) 343-8928

Deputy Assistant Secretary (202) 343-5347

Land and Water Resources (202) 343-2191

Dr. Garrey E. Carruthers

Pat Harvey, Staff Assistant (OCS) (202) 343-4612

Room 6626

Bureau of Indian Affairs

Environmental Services Staff (202) 343-8248
1951 Constitution Ave., NW.
Washington, D.C. 20245

Bureau of Indian Affairs: Regional Offices

Eastern

Area Director (202) 343-4093

1951 Constitution Avenue, NW.

Washington, D.C. 20245

Pacific

Environmental Specialist (916) 468-4391

Federal Office Building, RM W-2538

2800 Cottage Way

Sacramento, CA 95825

Bureau of Indian Affairs (Continued)

Environmental Specialist (503) 429-6744
 1425 Irving Street, N.E.
 P.O. Box 3785
 Portland, OR 97232

Alaska

Environmental Specialist (907) 586-7184
 Juneau Area Office
 Federal Building
 P.O. Box 3-8000
 Juneau, AK 99801

Bureau of Land Management

18th and C Streets, NW.
 Washington, D.C. 20240

Robert F. Burford, Director (100) (202) 343-3801

Energy and Mineral Resources

Irvin L. White, Assistant Director (510) (202) 343-4437

Division of Offshore Resources

Henry Noldan, Chief (540) (202) 343-6906

Branch of Offshore Operations

Homer Benton, Chief (541) (202) 343-5121

Branch of Offshore Environmental Assessment

William Van Horn, Chief (542) (202) 343-6264

Branch of Offshore Studies

Piet deWitt, Chief (543) (202) 343-7744

Intergovernmental Planning Program

Program Leader (540) (202) 343-6906

Bureau of Land Management: Regional Offices

Alaska OCS Office
 Office of the Manager (907) 276-2955
 P.O. Box 1159
 Anchorage, AK 99510

New York OCS Office
Office of the Manager (212) 264-2960
Jacob K. Javits Federal Building
26 Federal Plaza
New York, NY 10278

New Orleans OCS Office
Office of the Manager (504) 589-6541
Hale Boggs Federal Building
500 Camp Street, Suite 841
New Orleans, LA 70130

Pacific OCS Office
Office of the Manager (213) 688-7234
1340 West 6th Street, Room 200
Los Angeles, CA 90017

Fish and Wildlife Service

18th and C Streets, NW.
Washington, D.C. 20240

Branch of OCS Operations
Ecological Services
1375 K Street, NW.
Washington, D.C. 20240

Raymond L. Fritz, Chief
Pamela A. Matthes, Staff Assistant (202) 343-5733

Fish and Wildlife Service: Regional Offices

Alaska
OCS Coordinator (907) 276-3800
1011 Tudor Road
Anchorage, AK 99507

Region 1 - Pacific
OCS Coordinator (503) 231-6154
Lloyd 550 Building, Suite 1692
500 NE Mulpnomah Street
Portland, OR 97232

Region 2 - Western and Central Gulf of Mexico
OCS Coordinator
Room 229
U.S. Post Office/Courthouse
602 Rosenberg
Galveston, TX 77553

Region 4 - Central and Eastern Gulf of Mexico
OCS Coordinator (904) 769-5430
1621 June Avenue
Panama City, FL 32405

Fish and Wildlife Service (Continued)

Region 4 - South Atlantic OCS Coordinator P.O. Box 12559 217 Ft. Jackson Road Charleston, SC 29412	(803) 795-4025
Region 5 - Mid-Atlantic OCS Coordinator 1825-B Virginia Street Annapolis, MD 24401	(301) 269-0540
Region 5 - North Atlantic OCS Coordinator P.O. Box 1518 Concord, NH 03301	(617) 965-5100

Geological Survey

Office of the Director 12201 Sunrise Valley Drive Reston, VA 22092	(703) 860-7411
Doyle Frederick, Acting Director	
Conservation Division	(703) 860-7581
Hillary Oden, Acting Chief	
Branch of Offshore Minerals Regulation Robert L. Rioux, Deputy Division Chief	(703) 860-7541
Office of OCS Information Louis G. Hecht, Jr., Acting Chief	(703) 860-7166
Branch of Offshore Resource Evaluation Ron Michelson, Chief	(703) 860-7564
Branch of Offshore Economic Evaluation Roger Kahler, Chief	(703) 860-7567
Branch of Offshore Field Operations Price McDonald, Chief	(703) 860-6831
Branch of Offshore Environmental Management David A. Nystrom, Acting Chief	(703) 860-6461
Branch of Offshore Rules and Procedures David Schuenke, Chief	(703) 860-7395

Geologic Division (703) 860-6531

Dallas L. Peck, Chief

Office of Marine Geology (703) 860-7241
N. Terence Edgar, Chief

Office of Energy Resources (703) 860-6431
Linn Hoover, Acting Chief

Geological Survey: Regional Offices

Conservation Division, Eastern Region (202) 254-3137
1725 K Street, Suite 204
Washington, D.C. 20006

Conservation Division, Gulf of Mexico Region (504) 837-9381
P.O. Box 7944
147 Imperial Office Building
3301 Causeway Boulevard
Metairie, LA 70010

Conservation Division (213) 688-6485
Pacific OCS Region
1340 West 6th Street
Suite 240
Los Angeles, CA 90017

Conservation Division (907) 271-4304
Alaska OCS Region
800 A Street, Room 201
Anchorage, AK 99501

National Park Service

Natural Resources Division (202) 523-5127
18th and C Street, NW
Washington, DC 20240

Roland H. Wauer, Chief

Dr. Richard Briceland, OCS Coordinator

State Plans and Grants Division (202) 343-6221
Code 440
440 G Street, NW
Washington, DC 20243

Lawrence Aten, Chief

DEPARTMENT OF JUSTICE

Antitrust Division
Energy Section (202) 724-6410
10th and Constitution Avenue, NW.
Washington, D.C. 20530

Donald A. Kaplan, Chief

Land and Natural Resources Division
Marine Resources Section (202) 633-2779
10th and Constitution Avenue, NW.
Washington, D.C. 20530

Bruce Rashkow, Chief

DEPARTMENT OF TRANSPORTATION

Office of Environment and Safety
Environmental Coordination Division (P-23) (202) 426-4366
400 Seventh Street, SW.
Washington, D.C. 20590

Gene Lehr, Chief

U.S. Coast Guard

2100 2nd Street, NW.
Washington, D.C. 20593

Admiral John B. Hayes, Commandant (202) 426-2390

Office of Marine Environment and Systems (202) 426-2008
2100 Second Street, SW.
Washington, D.C. 20593

Capt. John W. Kime, Deputy Chief

OCS Safety Project (G-MP-3/OCS/TP16) (202) 427-5160
Capt. P. J. Cronk, Manager

U.S. Coast Guard: District Offices

U.S. Coast Guard
Commander

First Coast Guard District (617) 223-3601
150 Causeway Street
Boston, MA 02114

Third Coast Guard District (212) 668-7196
Governors Island
New York, NY 10004

Fifth Coast Guard District (804) 398-6000
Federal Building
431 Crawford Street
Portsmouth, VA 23705

Seventh Coast Guard District (305) 350-5654
Federal Building
51 S.W. First Avenue
Miami, FL 33130

Eighth Coast Guard District (504) 589-6298
Hale Boggs Federal Building
500 Camp Street
New Orleans, LA 70130

Eleventh Coast Guard District (213) 590-2311
Union Bank Building
400 Oceangate Boulevard
Long Beach, CA 90822

Twelfth Coast Guard District (415) 556-5326
630 Sansome Street
San Francisco, CA 94126

Thirteenth Coast Guard District (206) 442-5078
Federal Building
915 Second Avenue
Seattle, WA 98174

Seventeenth Coast Guard District (907) 586-2680
P.O. Box 3-5000
Juneau, AK 99801

Federal Aviation Administration

Office of Environment and Energy (202) 426-8406
800 Independence Avenue, SW.
Washington, D.C. 20591

Materials Transportation Bureau

Office of Pipeline Safety Regulation (202) 426-2392
400 Seventh Street, SW.
Washington, D.C. 20590

Office of Pipeline Safety Regulation: Regional Offices

Regional Chief, Eastern Region DMT 15 (202) 755-9435
Room 9413
400 Seventh Street, SW.
Washington, D.C. 20024

Materials Transportation Bureau (Continued)

Regional Chief, Southern Region DMT 16 (404) 763-7861
 1568 Willingham Drive, Suite 200-B
 Atlanta, GA 30337

Regional Chief, Southwest Region DMT 17 (713) 226-5476
 6622 Hornwood Drive
 Houston, TX 77074

Regional Chief, Western Region DMT 18 (415) 876-9085
 831 Mitten Road
 Burlingame, CA 94010

Regional Chief, Alaska Region (907) 271-5645
 701 C Street, Box 14
 Anchorage, AK 99513

DEPARTMENT OF THE TREASURY

Assistant Secretary, Economic Policy (202) 566-2551
 15th Street and Pennsylvania Avenue, NW.
 Washington, D.C. 20220

Dr. Paul Craig Roberts, Assistant Secretary

ENVIRONMENTAL PROTECTION AGENCY

Office of the Administrator (202) 755-2700
 401 M Street, SW.
 Washington, D.C. 20460

Anne M. Gorsuch, Administrator

Office of Federal Activities, A-104 (202) 755-0777

William N. Hedeman, Jr., Director
 Virginia Fox-Norse, OCS Liaison (202) 755-9408

Environmental Protection Agency: Regional Offices

Region I

Environmental and Economic Impacts Office (617) 223-7210
 Room 2203
 J.F. Kennedy Federal Building
 Boston, MA 02203

Region II

Environmental Impacts Branch (212) 264-2525
 26 Federal Plaza
 New York, NY 10007

Office of Federal Activities (OCS Activities) (212) 264-0592

Listing of Federal Agencies—Headquarters/Regional

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Region III

Environmental Impacts Branch (215) 597-9814
6th and Walnut Streets (OCS Activities) (215) 597-0691
Philadelphia, PA 19106

Region IV

Environmental Impacts Statement Branch (404) 881-4727
345 Courtland Street, N.E.
Atlanta, GA 30308

Region VI

EIS Coordinator (214) 767-2600
Mail Stop 6ASAF
First International Building
1201 Elm Street
Dallas, TX 75270

Region IX

Environmental Impacts Statement Office (415) 556-6925
215 Fremont Street
San Francisco, CA 94105

Region X

Environmental Evaluation Branch (206) 442-1285
Mail Stop 443
1200 Sixth Avenue
Seattle, WA 98101

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

Management Support Office (202) 755-8383
Code LD4
400 Maryland Avenue, SW.
Washington, D.C. 20546

Nathaniel Cohen, Director

Appendix B. Listing of Pacific Region State Agencies

The OCS address/telephone listings are organized alphabetically. The State listing is arranged entirely alphabetically by coastal states and OCS-related departments within the states.

To prepare a full mailing address, use the name of the agency or department, the

particular office designation you wish, and any other pertinent information such as mail-stop code or box number. In cases where the full address is not given, use the first complete address immediately above the office in which you are interested.

CALIFORNIA

AIR RESOURCES BOARD

(916) 322-2990

P.O. Box 2815
Sacramento, CA 95812
Ron Friesen, Chief of the Project Evaluation Branch

(916) 322-6026

CALIFORNIA COASTAL COMMISSION

(415) 543-8555

631 Howard Street
4th Floor
San Francisco, CA 94105
Michael Fischer, Executive Director
Mari Gottdiener, OCS Coordinator
William Ahern, Ports and Energy Coordinator,
and ad hoc RTWGC Member

(415) 543-8555
(extension 258)

DEPARTMENT OF CONSERVATION

(916) 445-5716

1416 9th Street
Sacramento, CA 95814

Division of Mines and Geology
Dr. James F. Davis, State Geologist

(916) 445-1923

Division of Oil and Gas
Room 1310
M.G. Mefferd, Chief

(916) 445-9686

DEPARTMENT OF HEALTH SERVICES

(916) 445-4171

744 P Street
 Sacramento, CA 95814
 Beverly Meyers, Director

(916) 445-1248

Hazardous Materials Management Section
 Eric Workman, Waste Management Specialist

(916) 322-2337

DEPARTMENT OF PARKS AND RECREATION

(916) 445-2358

1416 9th Street
 P.O. Box 2390
 Sacramento, CA 95814
 Pete Dangermond, Jr., Director

Office of Historic Preservation
 1220 K Street
 Sacramento, CA 95814
 Dr. Knox Mellon, Historic Preservation Officer

(916) 445-8006

GOVERNOR'S OFFICE

(916) 445-2841

State Capitol
 Sacramento, CA 95814

Office of Planning and Research

(916) 322-2318

1400 10th Street
 Sacramento, CA 95814

Deni Greene, Director and OCS Policy Committee Member

(916) 322-2318

Chuck Brandes, Director, Office of Permit Assistance

(916) 322-8515

Gary Midkiff, Analyst, Projects Coordination Office

(916) 445-3825

A-95 Clearinghouse
 Room 121

(916) 445-0613

PUBLIC UTILITIES COMMISSION

(415) 557-1487

California State Building
 Room 5052
 350 McAllister Street
 San Francisco, CA 94102
 Joseph E. Bodovitz, Director

LNG Task Force
 Edmund J. Texedira, Head

(415) 557-1159

STATE LANDS COMMISSION (916) 322-4105

Director's Office
1807 13th Street
Sacramento, CA 95814
William F. Northrup, Executive Officer and RTWGC Member
Dwight Sanders, Chief
Planning and Environmental Coordination Unit

(916) 924-2479

Land and Management Conservation Division (916) 322-7777

STATE SOLID WASTE MANAGEMENT BOARD (916) 322-3330

1020 9th Street
Suite 300
Sacramento, CA 95814

Enforcement Division (916) 322-6172
Douglas Strauch, Chief

STATE WATER RESOURCES CONTROL BOARD (916) 920-6301

P.O. Box 100
Sacramento, CA 95801

Division of Water Quality (916) 322-2640

Division of Water Rights (916) 920-6301

77 Cadillac Drive
Sacramento, CA 95825
Permit Unit
Ken Beyer, Associate Water Resources Control Engineer

(916) 924-7827

OREGON

DEPARTMENT OF ENERGY (503) 378-4128

Labor and Industries Building
Salem, OR 97310
Don Goddard, Administrator of Siting
and Regulation

(503) 378-6469

Energy Facility Siting Council (503) 378-4128

Labor and Industries Building
Room 111
Annetta Jenks, Secretary to DOE Director

(503) 378-4128

DEPARTMENT OF ENVIRONMENTAL QUALITY	(503) 229-5395
P.O. Box 1760 Portland, OR 97207	
Air Quality Division	(503) 229-5397
Air Contaminant and Discharge Section	
Ray Potts, Senior Environmental Engineer	(503) 229-6093
Hazardous Waste Section	(503) 229-6434
Richard Reiter, Supervisor	
Solid Waste Division	(503) 229-5356
Ernie Schmidt, Administrator	
Water Quality Division	(503) 229-5324
Source Control Section	
Kent Ashbaker, Supervisor	
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES	(503) 229-5580
1069 State Office Building Portland, OR 97201 Dennis Olmstead, Petroleum Geologist	
DEPARTMENT OF LAND CONSERVATION AND DEVELOPMENT	(503) 378-8644
1175 Court Street, N.E. Salem, OR 97310 W.J. Kvarsten, Director	
DEPARTMENT OF TRANSPORTATION	(503) 378-6388
Transportation Building Salem, OR 97310 F.B. Klayboe, Director	
Parks and Recreation Division	(503) 378-6305
Vicks Building	
525 Trade Street, S.E.	
Salem, OR 97310	
Pete Bond, Ocean Shores Coordinator	(503) 378-5012
DIVISION OF STATE LANDS	(503) 378-3805
1445 State Street Salem, OR 97310 Permit Section Environmental Management Unit Earle Johnson, Supervisor	
	(503) 378-3058

GOVERNOR'S OFFICE (503) 378-3100

State Capitol Building, Room 160

Salem, OR 97310

Pat Amadeo, Assistant to Governor for Natural Resources
and OCS Policy Committee Member

(503) 378-3109

LAND CONSERVATION AND DEVELOPMENT COMMISSION (503) 378-4926

1175 Court Street, N.E.

Salem, OR 97310

Dick Mathews, Program Division Manager, Coastal
Program Manager

(503) 378-4097

John Christenson, Coastal Program Energy
Coordinator, CEIP Program Manager

(503) 378-5544

PUBLIC UTILITIES COMMISSION (503) 378-5849Labor and Industries Building
Salem, OR 97310

Utilities Division (503) 378-6641

WATER RESOURCES DEPARTMENT (503) 378-2982555 13th Street, N.E.
Salem, OR 97310Water Rights Division (503) 378-3066
Application Permit Section
Ralph Jackson, SupervisorWells and Dam Division (503) 378-8455
Kent Mathiot, Hydrogeologist**WASHINGTON****DEPARTMENT OF ECOLOGY**

Director's Office (206) 753-2240

MS PV-11

Olympia, WA 98504

Hazardous Waste Division (206) 753-2849
Tom Cook, Section Head, Hazardous Waste Program (206) 753-4276Noise Section (206) 753-6867
Dave Saunders, Section Head

Office of Air Programs (206) 753-2821
 Michael Landon, Head of Engineering and
 Compliance and Planning, Air Resources Division

Office of Land Programs (206) 753-6874
 Shorelands Division (206) 753-6879
 Joseph Williams, Environmental Planner (206) 753-4433

Office of Water Programs (206) 753-3893
 Glen H. Fiedler, Acting Assistant Director

Solid Waste Division (206) 753-6883
 Avery Wells, Head of Solid Waste Management
 and Grants Section

DEPARTMENT OF FISHERIES (206) 753-6623

115 General Administration Building AX-II
 Olympia, WA 98504

Natural Production Division (206) 753-6650

DEPARTMENT OF GAME (206) 753-5710

600 North Capitol Way
 Olympia, WA 98504
 Chris Drivdahl, Program Manager
 Environment Affairs Division

Habitat Management Division (206) 753-5705

DEPARTMENT OF NATURAL RESOURCES (206) 753-5327

Public Lands Building
 Olympia, WA 98504
 Bert Cole, Commissioner of Public Lands (206) 753-5317

Geological Survey
 Ed Livingston, State Oil and Gas Supervisor (206) 753-6183

Lands Division (206) 753-5303
 Neil Wagner, Commercial Agent for Leases

Marine Land Management Division (206) 753-5325
 Bill Johnson, Division Manager

DEPARTMENT OF SOCIAL AND HEALTH SERVICES (206) 753-3395

Office Building 2 - MS OB-44
 Olympia, WA 98504

Listing of Pacific Region State Agencies

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Water Supply and Waste Section (206) 753-5954
12th and Franklin
MS LD-11
Olympia, WA 98504
Jim Pluntze, Office Chief (206) 753-5954

DEPARTMENT OF TRANSPORTATION (206) 753-6005

Highway Administration Building
Maple Park Avenue
Olympia, WA 98504
Robert S. Nielsen, Assistant Section Chief,
Public Transportation and Planning (206) 753-6101

ENERGY FACILITY SITE EVALUATION COUNCIL (206) 753-7384

4224 6th Avenue, S.E.
Building I - MS PY-11
Lacey, WA 98504
William L. Fitch, Executive Secretary (206) 753-7384

GOVERNOR'S OFFICE (206) 753-6780

Legislative Building
AS-13
Olympia, WA 98504

OFFICE OF ARCHAEOLOGY AND HISTORIC PRESERVATION

111 West 21st Avenue
Olympia, WA 98504
Jeanne M. Welch, Director

SHORELINES HEARINGS BOARD (206) 753-3025

1 South Sound Center
Olympia, WA 98504

STATE PARKS AND RECREATION COMMISSION (206) 753-5757

7150 Clean Water Lane
Olympia, WA 98504
William A. Bush, Chief of Research and Long-Range Planning (206) 753-2017

Appendix C. Federal Depository Libraries

California

Bodkin, McCarthy, Sargent and Smith
Attention: Library
707 Wilshire Boulevard
51st Floor
Los Angeles, California 90017

Business and Economics Department
Los Angeles Public Library
630 West 5th Street
Los Angeles, California 90017

California State University
Attention: Oviatt Library - Government Documents
18111 Nordhoff Street
Northridge, California 91330

County of Los Angeles Public Library
Attention: Government Publications Unit
320 West Temple
Los Angeles, California 90012

County of Ventura Library Service Agency
Attention: Documents Section
P.O. Box 771
Ventura, California 93001

Long Beach Public Library
Attention: Government Publications Department
Ocean and Pacific
Long Beach, California 90802

Loyola University
School of Law Library
1440 West 9th Street
Los Angeles, California 90015

San Diego Public Library
Science and Industry Department
Attention: Dorothy Van Nice
820 East Street
San Diego, California 92101

California (Continued)

Santa Barbara Public Library
Attention: Reference Section
P.O. Box 1019
Santa Barbara, California 93102

Santa Monica Public Library
Attention: Document Librarian
1343 6th Street
Santa Monica, California 90401

The Sea Library
Attention: Jill Fairchild
408 Sycamore Road
Santa Monica, California 90402

University of California
Water Resources Center Archives
Attention: Beth Willard, Librarian
2081 Engineering I
Los Angeles, California 90024

University of California
Government Publication Department, General Library
P.O. Box 19557
Irvine, California 92713

University of California
Serials, SIO Library
C-075C
La Jolla, California 92093

University of California
The Library, Government Publication Department
Santa Barbara, California 93106

University of Southern California
Government Documents Department
P.O. Box 77983
Los Angeles, California 90007

Oregon

Oregon Supreme Court
Library
Salem, Oregon 97310

Washington

Evergreen State College Library
Document Librarian
Olympia, Washington 98505

Appendix D. Additional OCS-Related Information

OCS ORDERS

Outer Continental Shelf Orders are issued by the U.S. Geological Survey for each OCS area (Gulf of Mexico, Pacific, Alaska, Atlantic). These orders govern oil and gas lease operations and specify procedures and practices that must be followed during exploration and development and production activities. Some OCS Orders were revised in January and September 1980, and copies of the Pacific Orders are available from the Conservation Manager, Pacific OCS Region, USGS, 1340 6th Street, Los Angeles, CA 90017.

Twelve OCS Orders have been issued for leases in the Pacific. Order No. 13, concerning production measurement and commingling, is being prepared. The Pacific OCS Orders are as follows:

- Order No. 1 - Identification of wells, platforms, structures, mobile drilling units, and subsea objects.
- Order No. 2 - Drilling operations: includes specifications for plans, applications, drilling from fixed platforms and mobile drilling units, well casing and cementing, directional surveys, blowout preventer equipment, mud program, supervision, surveillance, and training.
- Order No. 3 - Plugging and abandonment of wells.
- Order No. 4 - Determination of well producibility.
- Order No. 5 - Production safety systems: includes pollution-control requirements.
- Order No. 6 - Procedure for completion of oil and gas wells.
- Order No. 7 - Pollution prevention and control.
- Order No. 8 - Platforms and structures.
- Order No. 9 - Approval procedure for pipelines.
- Order No. 10 - Drilling of twin core holes.
- Order No. 11 - Oil and gas production rates, prevention of waste, and protection or correlative rights.
- Order No. 12 - Public inspection of records.

OCS STATISTICAL SUMMARY

The OCS Statistical Summary is prepared by the New Orleans OCS Office of the Bureau of Land Management and is published in four volumes: one for all OCS lease sales held from 1954 through 1972; one for sales from 1973 through 1975; one for sales from 1976 through 1978; and one for sales from 1979 through 1981. Information is presented by lease sale. The Statistical Summary contains a listing of all tracts receiving bids and the bid amounts for each tract. It also identifies tracts receiving no bids and lists participating companies and groups of companies. Additional tables present the OCS lease numbers assigned to tracts receiving bids, important dates and Federal Register notices pertinent to each sale, and statistics on fixed-royalty and sliding-scale-royalty tracts.

Copies of any volume of the OCS Statistical Summary are available from the Manager, New Orleans OCS Office, Bureau of Land Management, Hale Boggs Federal Building, Suite 841, 500 Camp Street, New Orleans, LA 70130.

U.S. GEOLOGICAL SURVEY OCS STANDARDS

The U.S. Geological Survey has issued seven standards for oil and gas operations on OCS leases. These standards provide guidelines and requirements for OCS oil and gas activities in addition to procedures required by OCS Orders. The standards cover the following categories:

- safety requirements for drilling operations in a hydrogen sulfide environment;
- training and qualifications of personnel in well-control equipment and techniques for drilling on offshore locations;
- quality assurance and certification of safety and pollution-prevention equipment used in offshore oil and gas operations;
- accreditation of testing laboratories for safety and pollution-prevention equipment used in offshore oil and gas operations;
- requirements for verifying the structural integrity of OCS platforms;
- training and qualifications of personnel in well completion and workover operations; and
- use of halogenated phenols in OCS operations.

For more information on USGS Standards, contact the USGS office noted on the inside front cover of this index.

REPRODUCTION OF FEDERAL DOCUMENTS

Regulations concerning the availability to the public of Department of the Interior documents are contained in title 43, Code of Federal Regulations, part 2. Subpart A of 43 CFR 2 concerns the availability of opinions issued in the adjudication of cases and of administrative manuals. Copies of final decisions and orders issued in appeals from Department decisions relating to the use and disposition of OCS lands and mineral resources are available for inspection and copying in the Office of Hearings and Appeals, Ballston Building No. 3, 4015 Wilson Boulevard, Arlington, VA 22203.

Subpart B of 43 CFR 2 sets out Department of Interior procedures for Freedom of Information Act (5 U.S.C. 552) requests. The procedures in this subpart are not applicable to requests for records published in the Federal Register or made available under subpart A.

Abbreviations and Acronyms

APD	- Application for Permit to Drill
CEIP	- Coastal Energy Impact Program, administered by the Office of Coastal Zone Management of the National Oceanic and Atmospheric Administration, U.S. Department of Commerce
BLM	- Bureau of Land Management, U.S. Department of the Interior
CFR	- Code of Federal Regulations
CZM	- Coastal Zone Management
DEIS	- Draft Environmental Impact Statement
EIR/EA	- Environmental Impact Report/Environmental Assessment
EIS	- Environmental Impact Statement
EPA	- Environmental Protection Agency
FWS	- Fish and Wildlife Service, U.S. Department of the Interior
HCRS	- Heritage Conservation and Recreation Service, U.S. Department of the Interior
IPP	- Intergovernmental Planning Program
NEPA	- National Environmental Policy Act of 1969
NPDES	- National Pollutant Discharge Elimination System
NOAA	- National Oceanic and Atmospheric Administration
NPS	- National Park Service, U.S. Department of the Interior
OCS	- Outer Continental Shelf
OCSI	- Office of Outer Continental Shelf Information, USGS
OS&T	- Offshore Storage and Treatment
RTMP	- Regional Transportation Management Plan
RTWGC	- Regional Technical Working Group Committee
SID	- Secretarial Issue Document
STWG	- State Technical Working Group
USGS	- U.S. Geological Survey, U.S. Department of the Interior

Glossary

Definitions presented in the glossary describe terms as they have been used in this index. The glossary is intended for general reference only: for detailed descriptions of technical or specialized terms, the reader should seek a reference in the field of particular interest.

Sources used in compiling this glossary were the Gulf of Mexico, Mid-Atlantic, South Atlantic, Pacific, Gulf of Alaska, and Gulf of Mexico Summary Reports; the OCSIP Atlantic, Pacific, Gulf of Mexico, and Alaska Indexes; the NERBC-RALI Factbook; Webster's Third New International Dictionary; the American Geological Institute's Dictionary of Geological Terms; and Langenkamp's Handbook of Oil Industry Terms and Phrases (2d ed.).

Block - A leasing unit of approximately 9 square miles (2,304 hectares or 5,760 acres).

Blowout - An uncontrolled flow of gas, oil, and other fluids from a well to the atmosphere. A well blows out when formation pressure exceeds pressure applied to the well by the column of drilling fluid.

Call area - The geographical area covered by the call for nominations and comments of an OCS oil and gas lease sale.

Continental Margin - A zone separating the emergent continents from the deep sea bottom.

Continental Shelf - A broad, gently sloping, shallow feature extending from the shore to the Continental Slope.

Continental Slope - A relatively steep, narrow feature paralleling the Continental

Shelf; the region in which the steepest descent to the ocean bottom occurs.

Contingency plan - A plan for possible offshore emergencies prepared and submitted by the oil/gas operator as part of the development and production plan.

Development - Activities that take place following exploration for, discovery of, and delineation of minerals in commercially attractive quantities (including but not limited to geophysical activity, drilling, platform construction, and operation of all directly related onshore support facilities) and that are for the purpose of ultimately producing the minerals discovered.

Development and production plan - A plan describing the specific work to be performed, including all development and production activities that the lessee(s) propose(s) to undertake during the time period covered by the plan and all actions to be undertaken up to and including the commencement of sustained production. The plan also includes descriptions of facilities and operations to be used, well locations, current geological and geophysical information, environmental safeguards, safety standards and features, time schedules, and other relevant information. Under 30 CFR 250.34-2, all lease operators are required to formulate and obtain approval of such plans by the Director of the U.S. Geological Survey before development and production activities may commence.

Discovery - The initial find of significant quantities of fluid hydrocarbons on a given field on a given lease.

Environmental impact statement - A statement required by the National Environmental Policy Act of 1969 (NEPA) or similar State law in relation to any action significantly affecting the environment.

Exploration - The process of searching for minerals. Exploration activities include (1) geophysical surveys where magnetic, gravity, seismic, or other systems are used to detect or infer the geologic conditions conducive to the accumulation of such minerals and (2) any drilling, except development drilling, whether on or off known geological structures. Exploration also includes the drilling of a well in which a discovery of oil or natural gas in paying quantities is made and the drilling of any additional well after such a discovery that is needed to delineate a reservoir and to enable the lessee to determine whether to proceed with development and production.

Exploration plan - A plan based on all available relevant information about a leased area that identifies, to the maximum extent possible, all the potential hydrocarbon accumulations and wells that the lessee(s) propose(s) to drill to evaluate the accumulations within the entire area of the lease(s) covered by the plan. Under 30 CFR 250.34-1, all lease operators are required to formulate and obtain approval of such plans by the Director of the U.S. Geological Survey before exploration activities may commence.

Field - An area within which hydrocarbons have been concentrated and trapped in economically producible quantities in one or more structural or stratigraphically related reservoirs.

Geologic hazard - A feature or condition that, if unmitigated, may seriously jeopardize offshore oil and gas exploration and development activities. Mitigation may necessitate special engineering procedures or relocation of a well.

Geophysical - Of or relating to the physics of the earth, especially the measurement and interpretation of geophysical properties of the rocks in an area.

Geophysical survey - The exploration of an area in which geophysical properties and relationships unique to the area are measured by one or more geophysical methods.

Hydrocarbon - Any of a large class of organic compounds containing primarily carbon and hydrogen, comprising paraffins, olefins, members of the acetylene series, alicyclic hydrocarbons, and aromatic hydrocarbons, and occurring in many cases in petroleum, natural gas, coal, and bitumens.

Lease - A contract granting the right to drill, develop, and produce oil and gas resources on a particular block of submerged lands on the Outer Continental Shelf; the land covered by such a contract.

Lease sale - The public opening of competitive sealed bids offered by companies or individuals bidding for the right to explore for and develop certain minerals within a defined period of time.

Lease term - For oil and gas leases, a period of 5 years or up to and not to exceed 10 years, where a longer period is necessary to encourage exploration and development in areas because of unusually deep water or other unusually adverse conditions.

Outer Continental Shelf (OCS) - All submerged lands that comprise the Continental Margin adjacent to the U.S. and seaward of State offshore lands (see OCS Lands Act). The OCS remains subject to Federal jurisdiction and control after enactment of the Submerged Lands Act (43 U.S.C 1301 and 1302).

Petroleum - An oily, flammable bituminous liquid that occurs in many places in the

upper strata of the earth, either in seepages or in reservoirs; essentially a complex mixture of hydrocarbons of different types with small amounts of other substances; any of various substances (as natural gas or shale oil) similar in composition to petroleum.

Proprietary data - Geologic and geophysical data and immediate derivatives thereof which cannot be released to the general public because of restrictions imposed by contracts, Federal regulations, or statutes.

Recoverable resource estimate - An assessment of oil and gas resources that takes into account the fact that physical and technological constraints dictate that only a portion of resources or reserves can be brought to the surface.

Reserves - Portion of the identified oil or gas resource that can be economically extracted.

Reservoir - An accumulation of hydrocarbons that is separated from any other such accumulation.

Resource - Concentration of naturally occurring solid, liquid, or gaseous materials in or on the earth's crust.

Summary report - Document prepared by the Department of the Interior pursuant to 30 CFR 252.4 that is intended to inform affected State and local governments as to current OCS resource and reserve estimates, projections of magnitude and timing of development, transportation planning, and general location and nature of nearshore and onshore facilities; also, document prepared by the U.S. Geological Survey in response to the request for Resource Reports discussing the general geology, potential mineral resources, and geological hazards of the broad OCS area under consideration for leasing.

Tract - The geographic and legal extent of a single leased area; a convenient way of

numbering blocks offered for sale so that they can be sequentially numbered in the process of offering.

Unit - Administrative consolidation of OCS leases held by two or more companies but explored, developed, and/or produced by one operator for purposes of conservation, eliminating duplication of operations, and/or maximizing resources recovered.



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