

MINUTE ITEM  
This Calendar Item No. C18  
was approved as Minute Item  
No. 18 by the State Lands  
Commission by a vote of 3  
to 0 at its 4-28-93  
meeting.

CALENDAR ITEM

C18

A 36

S 18

04/28/93

WP 602

Maricle

Griggs

ADOPTION OF NEGATIVE DECLARATION,  
APPROVAL OF LEASE TERMINATION AGREEMENT,  
AND ACCEPTANCE OF QUITCLAIM DEED

**LESSEE:**

Union Oil Company of California  
911 Wilshire Boulevard, P.O. Box 7600  
Los Angeles, California 90051

**AREA, TYPE LAND AND LOCATION:**

Approximately 29.866-acres of coastal tide and submerged  
lands offshore from the City of Ventura, Ventura County.

**LAND USE:**

Marine petroleum terminal with appurtenances, including an  
8-inch diameter pipeline and a 20-inch diameter pipeline.

**ORIGINAL LEASE TERMS:**

**Lease period:**

Fifteen years beginning April 12, 1951.

**Provisions re: additional periods:**

Three successive periods of ten years each.

**Surety bond:**

\$50,000.

**Public liability insurance:**

\$600,000 per occurrence for bodily injury and  
\$5,000,000 for property damage.

**Present Disposition:**

Lease subsequently renewed for  
two successive ten-year  
renewals, with revised  
expiration dates, and expired  
thereafter on March 31, 1986.

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**TERMS OF PROPOSED TRANSACTION:**

- Consider approval of Lease Termination Agreement with Mitigation Monitoring Plan attached.
- Consider acceptance of Quitclaim Deed, effective March 31, 1986.

**BASIS FOR CONSIDERATION:**

Pursuant to 2 Cal. Code Regs. 2003.

**PREREQUISITE CONDITIONS, FEES AND EXPENSES:**

Processing costs have been received.

**STATUTORY AND OTHER REFERENCES:**

- A. P.R.C.: Div. 6, Parts 1 and 2; Div. 13.
- B. Cal. Code Regs.: Title 3, Div. 3; Title 14, Div. 6.

**AB 884:**

N/A

**OTHER PERTINENT INFORMATION:**

1. This activity involves lands identified as possessing significant environmental values pursuant to PRC 6370, et seq. Based upon the staff's consultation with the persons nominating such lands and through the CEQA review process, it is the staff's opinion that the project, as proposed, is consistent with its use classification.
2. Pursuant to the Commission's delegation of authority and the State CEQA Guidelines (14 Cal. Code Regs. 15025), the staff has prepared a Proposed Negative Declaration identified as ND 614, State Clearinghouse No. 93021053. Such Proposed Negative Declaration was prepared and circulated for public review pursuant to the provisions of CEQA.

Based upon the Initial Study, the Proposed Negative Declaration, and the comments received in response thereto, there is no substantial evidence that the project, as mitigated, will have a significant effect on the environment. (14 Cal. Code Regs. 15074(b))

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3. Union Oil Company of California (UNOCAL), under a lease agreement with the Commission, formerly operated an offshore tanker terminal in Ventura County. The original improvements included an 8-inch diameter oil transmission line and a 20-inch diameter oil transmission line, both approximately 4,452 feet in length, and a five point offshore tanker mooring berth system. The oil pipelines are buried at varying depths along their lengths.
4. By letter dated December 2, 1988, UNOCAL advised staff that it had no further use for the pipelines and mooring facilities covered in lease PRC 602. UNOCAL later removed the offshore mooring system which included buoys, chains, anchor, marker buoys and clamps. UNOCAL also proposed that the remaining pipelines be left in place subject to Commission approval.
5. While the Lessee's request was being reviewed by the Staff, the Ventura Port District advised staff of the need to dredge an area occupied by a portion of the two pipelines. This precipitated the project, the removal of the lines from an approximate 1,500-foot area as shown as Exhibit "A". On February 5, 1992, under Minute Item Number 4, the Commission authorized the Ventura Port District to construct harbor improvements, including an extension of an existing jetty, and to dredge in the pipeline area described herein so as to deepen the entrance channel to the harbor.
6. On April 24, 1991, the staff advised UNOCAL that the Commission would be the Lead Agency regarding the preparation of the necessary environmental documentation for the proposed work as described in the attached Proposed Negative Declaration, No. ND 614. As indicated above, such work entails the abandonment, in place, of the two lines, with the exception of approximately 1,500 foot segments thereof which will be removed from the harbor entrance, as depicted on Exhibit "A". The remainder of the lines will be cemented and abandoned in their present location.
7. Staff and UNOCAL have agreed to the provisions of a Lease Termination Agreement concerning lease PRC 602. A summary thereof follows:

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(A) The pipelines shall be partially removed and the remainder abandoned in place as provided in Negative Declaration ND 614;

(B) In the course of the work, UNOCAL shall adhere to and comply with a Mitigation Monitoring Plan attached to the Lease Termination Agreement, Exhibit "C", and made a part thereof;

(C) UNOCAL shall quitclaim the premises described in lease PRC 602 to the State effective March 31, 1986;

(D) UNOCAL shall perpetually indemnify the State against any and all liability claims, damages, or injuries of any kind, as to the improvements not removed from the lease area.

(E) UNOCAL shall provide either a certificate of liability insurance in the amount of \$1,000,000 and surety bond in the amount of \$1,000,000; or, in the alternative, an annual letter of assurance from UNOCAL stating that it meets Test II financial strength as described in Title 14, Cal. Code Regs. Sec. 795(b);

(F) UNOCAL shall, at no cost or expense to the State, remove all or any portion of the improvements abandoned in place if such are ever determined to be adverse to the public interest.

8. The Mitigation Monitoring Plan discussed herein was prepared by the staff, and is attached to Calendar Item as Exhibit "C". The task of certifying that the Mitigation Monitoring Plan has been implemented falls upon the Commission.

**APPROVALS OBTAINED:**

City of Ventura, Ventura Harbor District, Corps of Engineers.

**FURTHER APPROVALS REQUIRED:**

California Coastal Commission, State Lands Commission.

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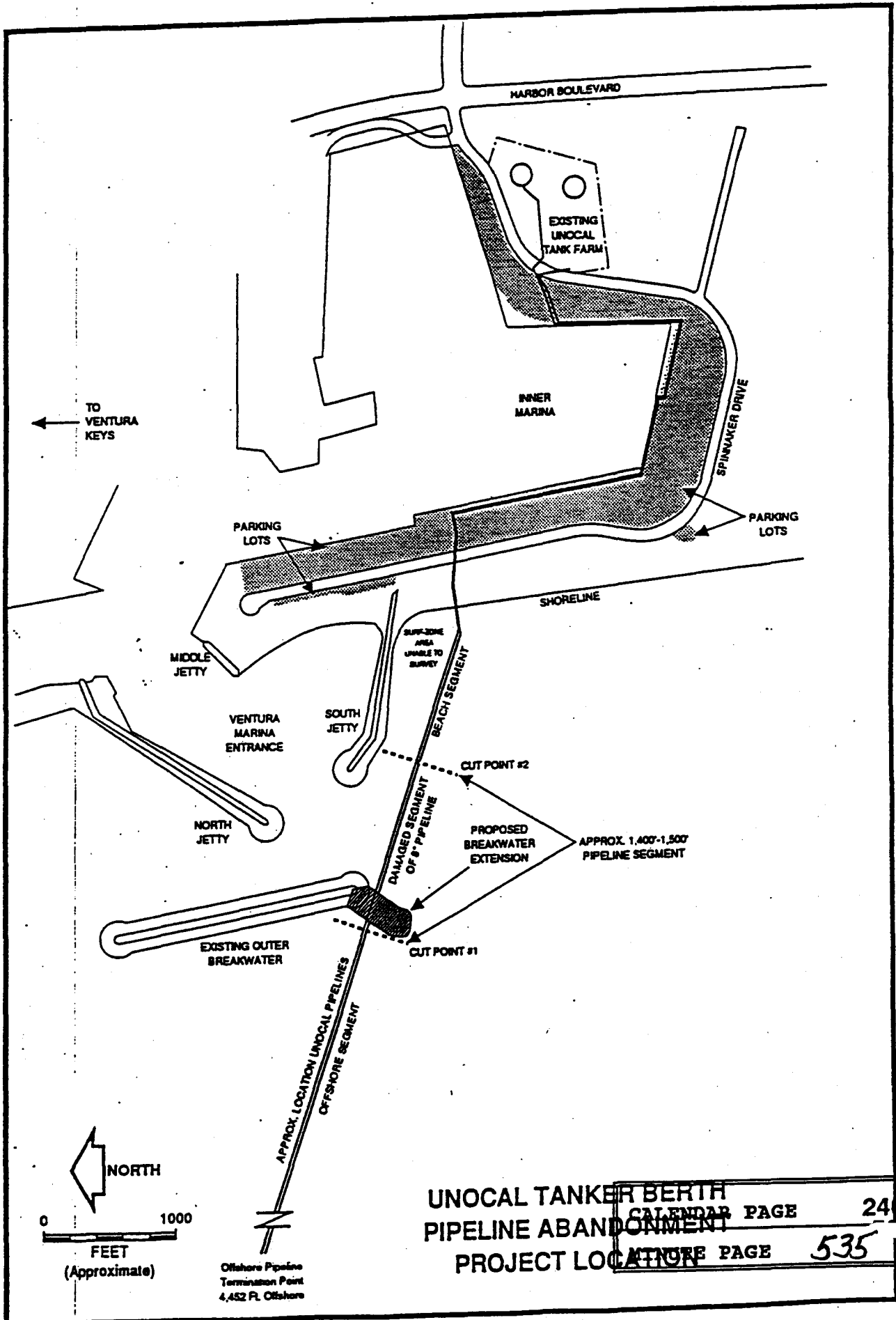
**EXHIBITS:**

- A. Site Map.
- B. Location Map.
- C. Proposed Lease Termination Agreement, with Attached Mitigation Monitoring Plan.
- D. Summary of Negative Declaration No. ND 614, and Checklist.

**IT IS RECOMMENDED THAT THE COMMISSION:**

1. CERTIFY THAT A NEGATIVE DECLARATION, NO. 614, STATE CLEARINGHOUSE NO. 93021053, ON FILE IN THE OFFICES OF THE COMMISSION, WAS PREPARED FOR THIS PROJECT PURSUANT TO THE PROVISIONS OF THE CEQA AND THAT THE COMMISSION HAS REVIEWED AND CONSIDERED THE INFORMATION CONTAINED THEREIN.
2. ADOPT THE NEGATIVE DECLARATION AND MITIGATION MONITORING PLAN, AS CONTAINED IN CALENDAR ITEM EXHIBITS "C" AND "D", ATTACHED HERETO.
3. DETERMINE THAT THE PROJECT, AS APPROVED, WILL NOT HAVE A SIGNIFICANT EFFECT ON THE ENVIRONMENT.
4. FIND THAT THIS ACTIVITY IS CONSISTENT WITH THE USE CLASSIFICATION DESIGNATED FOR THE LAND PURSUANT TO PRC 6370, ET SEQ.
5. AUTHORIZE EXECUTION OF A LEASE TERMINATION AGREEMENT WITH UNION OIL COMPANY REGARDING PARTIAL REMOVAL OF AND PARTIAL ABANDONMENT IN PLACE OF PIPELINES LOCATED IN THE LANDS DESCRIBED IN PRC 602, AND AUTHORIZE ACCEPTANCE OF A QUITCLAIM DEED, EFFECTIVE MARCH 31, 1986, COVERING THE LANDS DESCRIBED IN SAID LEASE.

EXHIBIT "A"

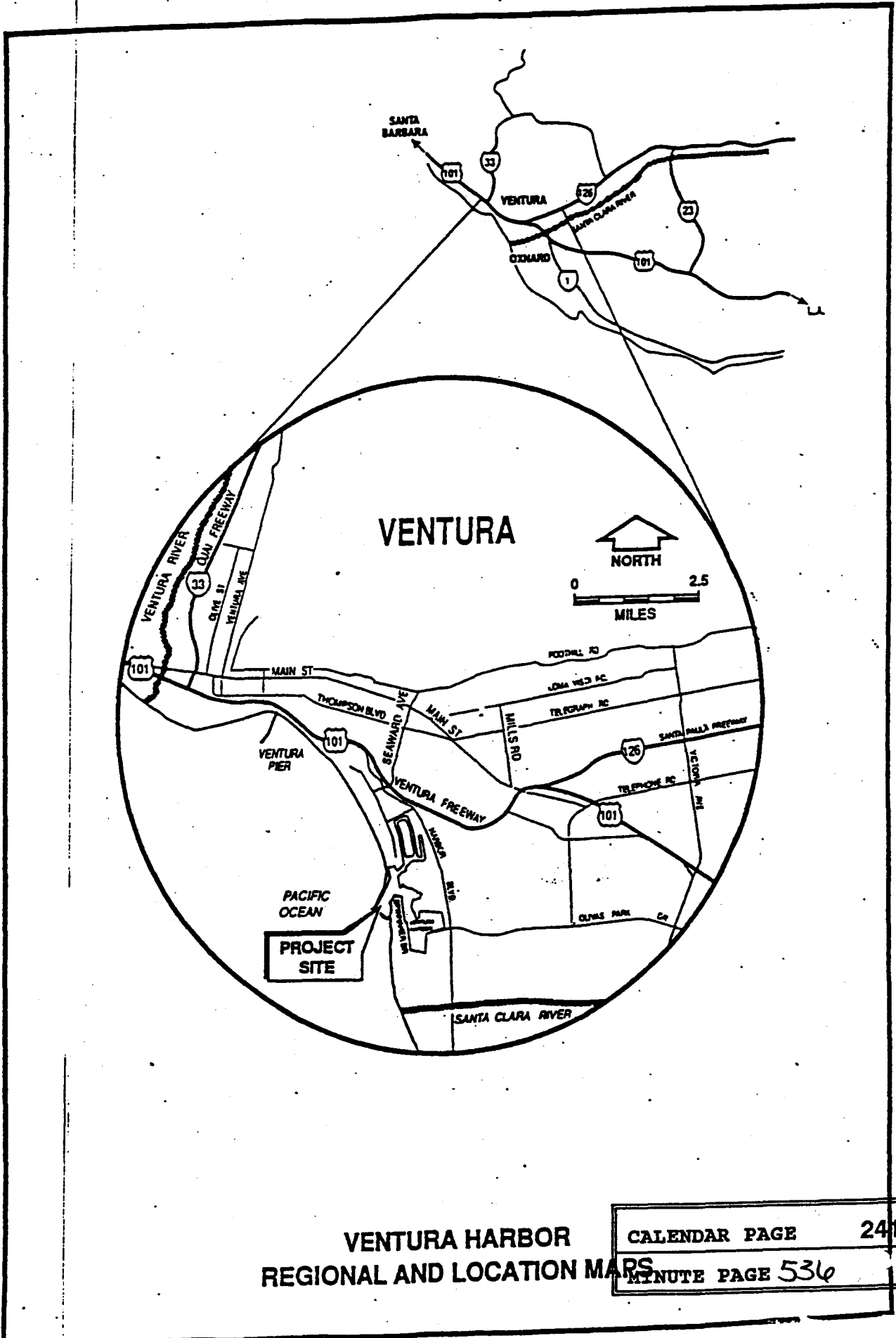


UNOCAL TANKER BERTH  
PIPELINE ABANDONMENT  
PROJECT LOCATION

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Offshore Pipeline  
Termination Point  
4.452 P. Offshore

EXHIBIT "B"



VENTURA HARBOR  
REGIONAL AND LOCATION MAP

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**EXHIBIT "C"**

**STATE OF CALIFORNIA  
STATE LANDS COMMISSION**

**FOR RECORDERS USE ONLY**

**RECORDED AT THE REQUEST  
OF**

State of California  
State Lands Commission  
Document entitled to free  
recording pursuant to  
Government Code Section 23783.

**WHEN RECORDED MAIL TO**

State Lands Commission  
1807 - 13th Street  
Sacramento, California 95814  
Attention: Title Unit

**STATE OF CALIFORNIA  
STATE LANDS COMMISSION**

**LEASE TERMINATION AGREEMENT**

**LEASE PRC 602.1**

WHEREAS, the State of California, acting through the State Lands Commission, as Lessor, and Union Oil company of California, as Lessee, made and entered into a lease agreement, designated lease PRC 602.1 (said Lease) covering certain tide and submerged land situated in Ventura County; and

WHEREAS, the leased tide and submerged lands (said Lands) were used for specified purposes; namely, marine terminal improvements including a 20-inch diameter pipeline and an 8-inch diameter pipeline; and

WHEREAS, said Lease was scheduled to expire at the close of March 31, 1986; and

WHEREAS, said Lease provides that all structures, buildings, pipe lines, machinery and facilities placed or erected by Lessee or existing and located upon said Lands shall be salvaged and removed by Lessee, at Lessee's sole expense and risk, within ninety (90) days

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after the expiration of the period of this agreement or prior to any sooner termination of said Lease; and Lessee in so doing shall restore said Lands as nearly as possible to the condition existing prior to the erection or placing of the structures, buildings, pipelines, machinery and facilities so removed; and

WHEREAS, the above-described pipelines continue to occupy the lands of the State; and

WHEREAS, under letter dated August 21, 1990, said Lessee proposed the termination of said Lease and the partial removal and partial abandonment in place of said improvements, the latter in accordance with a proposal drawn up by International Diving Services (IDS), submitted to said Lessee by IDS on August 8, 1990; and

WHEREAS, Lessor thereafter determined that the measures described in the IDS proposal required environmental review, and thence undertook the role of Lead Agency in conducting such review, and completed a Negative Declaration, number ND 614, and circulated said ND through the State Clearinghouse, under identification No. SCH 93021053; and

WHEREAS, Lessor and Lessee agree to the partial removal and partial abandonment in place of the 20-inch diameter pipeline and 8-inch diameter pipeline under the procedures and methods set out in Negative Declaration number ND 614; and

WHEREAS, said Lease also provides that Lessee will execute and deliver to Lessor a good and sufficient quitclaim deed as to the rights arising under said Lease.

NOW THEREFORE, the parties hereto agree as follows:

1. Union Oil Company of California (UNOCAL) agrees to release, surrender and quitclaim unto the State of California any and all right claim, title or interest arising by

virtue of said Lease number PRC 602.1 effective March 31, 1986, respecting lands located in Ventura County, as described in said Lease.

2. The improvements presently occupying the lease premises shall be removed or abandoned in place in accordance with the methods and procedures set out in Negative Declaration No. ND 614, by Unocal or its contract agents.
3. Unocal shall provide the State Lands Commission (SLC) staff with the contractor's work procedures for approval at least thirty (30) calendar days prior to commencement of work and shall also inform SLC staff of the date work is scheduled to begin. All field changes shall be in writing and shall be approved by SLC staff prior to implementation. Field changes may be telecopied to the Commission's Long Beach office, telecopy #(310) 590-5295. Unocal shall keep the SLC informed of its progress.
4. The work covered under this agreement shall be subject to full monitoring by the Lessor as described in the Mitigation and Monitoring Plan attached hereto as Exhibit "A", and by reference made a part hereof.
5. In consideration of Unocal being allowed to abandon certain improvements in place, the State shall not be liable and Unocal shall indemnify, hold harmless and, at the option of the State, defend the State, its officers, agents, and employees against and for any and all liability, claims, damages or injuries of any kind or from any way with the subject matter of this Agreement. This provision shall not be deemed to be a waiver of any sovereign immunity or notice of claim of defense that may be available to the State in any such causes of action.
6. Unocal agrees to respond in a responsible and timely manner to any claims arising from abandonment of such improvements and shall give prompt notice to the SLC of any

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accident, injury, casualty, or claim arising out of or connected in any way with the abandoned improvements.

7. It is further agreed that Unocal at no cost or expense to the State, shall remove all or any portion of the improvements abandoned in place if such are ever determined to be adverse to the public interest, and shall observe all rules and regulations of agencies having jurisdiction in the area of the abandoned improvements. Upon receiving notice from the State that the abandoned improvements are adverse to the public interest, Unocal shall have ninety (90) days to complete removal of such improvements, following the issuing of all necessary permits, unless otherwise extended by the State Lands Commission.
8. To guarantee the faithful observation and performance of this agreement, Unocal shall provide either:
  - a) a certificate of insurance, naming the State as additional insured, for \$1,000,000 each occurrence for bodily injury and property damage, and
  - b) a surety bond in the amount of \$1,000,000; or, in the alternative,
  - c) an annual letter of assurance from Unocal signed by its Chief Financial Officer stating that it is self-insured, and that it meets Test II financial strength as described in Title 14, California Administrative Code of Regulations, Section 795(b). If Unocal fails to provide the letter of assurance, Unocal shall provide the insurance and surety bond. Written notice from the Commission, signed by its Executive Officer, will establish Unocal's duty to provide such bond and insurance.
9. The terms of this agreement shall extend to and be binding upon and inure to the heirs, executor, administrators, successors, and assigns of the respective parties hereto.

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10. All notices pertaining to this Agreement shall be sent as follows:

a) To: Union Oil Company of California  
Real Estate Division  
P. O. Box 7600  
Los Angeles, CA 90051

Or to such other address as may be designated by Unocal from time to time.

b) To: State Lands Commission  
1807 - 13th Street  
Sacramento, CA 95814

Or to such other address as may be designated by the State from time to time.

11. This Agreement will become binding on the State only when duly executed on behalf of the State Lands Commission of the State of California.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the date hereafter affixed.

UNION OIL COMPANY OF CALIFORNIA,  
a California Corporation

By \_\_\_\_\_

Title \_\_\_\_\_

STATE OF CALIFORNIA  
STATE LANDS COMMISSION

By \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Execution of this Agreement was  
authorized by the State Lands  
Commission on \_\_\_\_\_

\*In executing this document, the following is required:

1. Affixation of Corporate Seal.
2. A certified copy of the resolution or other document authorization execution of this Agreement on behalf of the corporation.

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## EXHIBIT "A"

### Special Conditions

- A. Unocal shall provide for open and non-discriminatory access to the project site for Commission staff (hereinafter called "staff"), both onshore and offshore, for the purpose of inspection of the work in progress and related operations.
- B. Unocal shall provide transport for staff to and from the offshore. All associated costs shall be borne by Unocal.
- C. Unocal shall provide staff promptly with copies of all test reports, bills of quantities, diver logs, underwater videos etc. and any other information requested by staff that pertains to project quality control verification.
- D. Unocal shall be responsible for ensuring that the contractor has the quantities of oil spill containment and cleanup equipment as specified in the approved Execution Plan on hand and that such supplies shall be replaced as used in a timely manner.
- E. During the hydrotesting and flushing of each segment of pipeline, Unocal shall require the contractor to deploy the motorized skiff with boom and pads on board to patrol the lines from offshore to as close inshore as safety permits for the purpose of detection of leaks and immediate containment and cleanup of any surface oil or sheen. Under no circumstances shall chemical dispersants of any kind be used in cleanup.
- F. During each pipeline cutting operation, Unocal shall require the contractor shall to deploy sufficient sorbent boom (approx. 25 ft. diameter or 80 ft. boom) over the location of the contractor's subsea spill containment device until the device is recovered on board the work vessel, to catch any possible leakage outside said device during cutting and from wash down as it is lifted out of the water for recovery to the vessel deck.
- G. Unocal shall submit for State Lands Commission staff approval all contract change orders that materially alter the scope of the work. In an emergency situation where staff is not onsite for immediate consultation, the proposed change shall be discussed with the Commission's Long Beach office staff through the emergency telephone notification number (310) 590-5201 (24 hrs.).
- H. Upon completion of offshore activities, Unocal shall require the contractor to conduct a post construction survey to plot the exact location and depths of the pipeline sections remaining in place, with the ends of each pipeline section identified by Lambert Coordinates, together with an underwater visual inspection of the route of both pipelines and all vessel anchor locations to ensure that the seafloor is restored as much as possible and that all contractor construction debris is removed. Copies of the

inspection driver's log and video record shall be submitted to staff as part of a project "as built" report.

- I. Within one hundred and twenty (120) days of final acceptance of the work as complete by Unocal, an "as built" report shall be submitted to the Commission's Long Beach office. The report shall provide a record of the work performed, any difficulties encountered, changes made to the original approved plan, disposition of recovered materials, final cleanup activities and drawings of the postconstruction survey, the postconstruction visual inspection data and any other information that is pertinent to a permanent record of the work performed.
- J. Unocal and its contractor shall assume full responsibility for keeping informed of and being in compliance with all federal, State and local laws, ordinances and regulations that in any way govern the execution of the project. They shall ensure that their agents and employees shall observe and comply with all such regulations.

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EXHIBIT "C"  
MITIGATION MONITORING PROGRAM  
FOR THE VENTURA OFFSHORE TANKER BERTH PIPELINES ABANDONMENT  
UNOCAL PROJECT

OFFSHORE MONITORING

1. Impact: The proposed project may create hazards to navigators caused by the temporary presence of marine equipment offshore.

Project Modification:

- a) The mooring system of the M/V George M will be marked as orange rubber crown buoys. These markers will delineate the mooring spread.
- b) All vessels will be well lit and highly visible at night time.
- c) IDS will file a Local Notice to Mariners with the U.S. Coast Guard which will specify the project boundaries, hazards to navigators, and call signs.
- d) IDS will enlist the assistance of the Ventura Port District Harbor Patrol to assist in vessel traffic management as needed. IDS does not anticipate this equipment presenting a hazard to navigators arriving or departing the harbor during the abandonment operation.

Monitoring:

Staff of the State Lands Commission, while inspecting offshore operations, will periodically monitor the project to assure that the marked orange rubber crowned buoys are in place, the vessels are well lit and highly visible at night, and the Local Notice to Mariners has been filed. Additionally, staff will visually observe the local vessel traffic to assure that the project is in compliance when assistance is needed by IDS from the Ventura Port Harbor Patrol.

2. Impact: This proposed project may cause a leak in the pipeline during flushing operations.

Project Modification:

- a) The pipeline will be hydrostatically pressure tested to 175 psi for

30 minutes before	242.5
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flushing operations are started.

- b) If a leak should occur, all flushing operations will be stopped and corrective operations will be undertaken.
- c) An inflatable 15 foot, 15 hp. outboard motorized skiff with booms and pads shall be deployed during the hydrostatic testing and flushing operations to patrol the lines from offshore to as close to shore as safety permits to detect and clean up any surface oil or sheen.

**Monitoring:**

Staff of the State Lands Commission will periodically monitor the hydrostatic testing, pigging, and flushing operations to assure that the motorized skiff with booms and pads is on patrol and curtailment and corrective operations are adhered to if necessary to curtail any leaks.

- 3. **Impact:** This project may cause a leak during cutting or opening of the underwater portion of the pipe.

**Project Modification:**

- a) A subsea spill containment device (an 8' X 8' steel "seep tent") will be installed over all cutting and pipe opening locations prior to starting operations. Over the subsea spill containment device or "seep tent" will be placed a sorbant boom forming at least a 25 foot diameter circle to contain any seeps or leakage when the tent is being removed from the water. The motorized skiff will be on patrol.

**Monitoring:**

State Lands Commission staff will monitor the cutting or opening of the underwater portions of the pipelines to assure that the subsea spill containment device or "seep tent" and the sorbant boom are installed to contain any leaking contaminants while the motorized skiff is patrolling.

- 4. **Impact:** This project could result in a stuck pig in the pipelines during the pigging operations.

**Project Modification:**

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To reduce the risk of a stuck pig, an oversized pig will be used. Back flushing of the pipe will be used to remove a stuck pig.

**Monitoring:**

Staff of the State Lands Commission, while conducting project inspections, will periodically monitor the pigging and flushing operations to assure that procedures are employed to reduce the chances of sticking the pig.

5. **Impact:** This proposed project, during the cementing operations, may cause a leak in the cement exit hose transporting displaced water from the interior of pipeline to cargo tanks on the M/V George M.

**Project Modification:**

- a) Use a new, heavy duty, wire reinforced marine fuel hose rated at 3 times working pressure. If a leak occurs, stop flushing operations and replace hose.

**Monitoring:**

Staff of the State Lands Commission will monitor the cementing or grouting operations to assure that new hoses are being used to reduce the incidence of leaks. Should a leak occur, operations will be stopped immediately and the hose replaced.

6. **Impact:** This proposed project may result in spills if allowed to operate when unsafe sea states occur.

**Project Modification:**

- a) Project Manager will stop all marine operations. Shutdown flushing operations and disconnect supply hose.
- b) Project Manager will resume operations when unsafe sea state subsides.

**Monitoring:**

Staff of the State Lands Commission while conducting periodic project inspections, will monitor the project to assure that the shutdown procedures are initiated in the event of unsafe seas as determined by the project manager.

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COMBINATION ON AND OFFSHORE MONITORING

7. Impact: The proposed project may produce noises from equipment performing onshore excavation and marine offshore equipment approaching commercial limits.

Project Modification:

- a) All equipment will be muffled in compliance with local standards.
- b) Noise levels will be less than 90 decibels at 200 feet (at these levels marine equipment will not be audible from the beach).

Monitoring:

Staff of the State Lands Commission will monitor both onshore and offshore operations and inspect equipment to assure engines are covered and mufflers are in good repair.

8. Impact: This project may produce trash or debris generated by IDS crews or subcontractors.

Project Modification:

- a) Trash and debris generated by the onshore operations will be limited to welding electrode stubs, scrap steel and food and beverage containers at the Spinnaker Drive Tank Farm. All such items will be policed as they are generated and properly disposed of off-site by IDS crews.
- b) Trash and debris generated offshore will be confined to the M/V George M in metal trash containers and properly disposed of when the vessel returns to Port Hueneme.

Monitoring:

Staff of the State Lands Commission will periodically visually monitor both onshore and offshore projects to assure that all trash, debris, food containers, etc. generated by the project and the IDS crews are policed and properly disposed.

**ONSHORE MONITORING**

9. **Impact:** The project may cause fire or explosion during the onshore cutting and welding operations.

**Project Modification:**

- a) All pipeline cutting will be performed with a cold-saw technique.
- b) Pipeline end will be plugged before welding.

**Monitoring:**

State Lands Commission staff will periodically monitor onshore cutting and welding operations for safety compliance.

**8.0 OIL SPILL CONTINGENCY PLAN**

**A. OIL SPILL PREVENTION MEASURES**

Currently both pipelines are filled with sea water, however, as with any pipeline abandonment, the potential exists for an oil spill. These spills are a result of small quantities of residual oil contained in the pipeline or wash water used in the abandonment procedures. Such spills are generally extremely small and result in no significant impact to the marine environment. The proposed project plan includes measures designed to reduce the potential of an operational spill to the maximum extent possible. The pipelines will be flushed with sea water to remove residual oil still present within the pipeline. A steel seep tent will be utilized during all pipeline cutting and pipeline opening operations. In addition, all onshore pipeline openings will be conducted within constructed containment bins serviced by vacuum trucks

In the event an oil spill were to occur in association with the abandonment operations, Unocal has developed a response program to quickly and effectively contain and recover any released oil. During the proposed abandonment, the potential for an oil spill would be greatest in three operational areas of the project:

- onshore at the Spinnaker Drive access point,
- offshore at Cut Points #1 and #2, and
- offshore at the pipeline termination points.

In the event of a spill in one of these operational areas, Unocal will respond with onsite personnel and equipment. If an incident cannot be handled solely by onsite personnel and equipment, Unocal will call upon the resources of its Oil Spill Response Team offsite personnel and equipment and, if necessary, Clean Seas. Throughout any response effort, Unocal will interact with federal, state and local government agencies as necessary.

**B. UNOCAL OIL SPILL RESPONSE TEAM**

Unocal maintains an Oil Spill Response Team for its Southern California Division Pipeline Department. The Oil Spill Response Team is responsible for initiating containment and clean-up efforts at any spill source. The team is trained to respond rapidly and effectively to any minor oil spill that may occur and to provide initial containment efforts for any major spill that could occur. This team is under the direction and supervision of the Onshore Cleanup Supervisor, and he/she is responsible for implementing an immediate oil spill response using necessary trained

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personnel, equipment, and materials.

If spill resources immediately available to Unocal are judged by the Onshore Cleanup Supervisor to be inadequate to provide for a rapid and complete containment and cleanup effort as a result of total spill volume, he will request assistance from an outside oil spill clean-up contractor for additional manpower, equipment, and supplies.

Clean Seas is available to provide assistance as may be required for an oil spill reaching the ocean or water surfaces in the Santa Clara River.

### C. ONSHORE SPILL SCENARIOS AND RESPONSE PROCEDURES

#### 1. Onshore Spill Scenario - Minor Spill

The potential for a minor onshore spill during the abandonment procedures would be associated with the modification of piping during the installation of pig receivers and launchers or during the actual flushing operations. In the event of a release of oil or contaminated water, the following procedures will be implemented by the Project Foreman utilizing the onsite equipment listed in Table 8.3.1.

Table 8.3.1. Onsite Equipment for Minor Onshore Spill Response

	Quantity	Size
Oil Containment Bins with Vacuum Truck Service Sorbent Pads and Rolls	As required 5 bags	As required Various Sizes

#### 8.3.1.1 Response Procedures - Minor Spill

Responsible Person	Action
Project Foreman	<p>In the event of an oil spill during pipeline entry, the Project Foreman shall:</p> <ol style="list-style-type: none"> <li>1. assess spill size and determine whether such a spill can be safely and rapidly controlled. Onsite personnel shall immediately conduct containment control operations. <ul style="list-style-type: none"> <li>- shut down all pumps;</li> <li>- close all flow valves;</li> <li>- turn off all hazardous sources of ignition;</li> <li>- containment bin monitoring and adjustment, as necessary;</li> <li>- vacuum truck positioning and preparation;</li> <li>- Transfer of oil from containment bins to vacuum truck, as necessary.</li> <li>- deploy sorbent material, as necessary</li> </ul> </li> </ol>

Responsible Person	Action
	<p>2. As soon as possible, notify the Project Manager and provide information on:</p> <ul style="list-style-type: none"> <li>- the source of the spill;</li> <li>- the type of product spilled;</li> <li>- the status of control operations.</li> </ul> <p>3. At direction of the Project Manager, onsite personnel shall deploy appropriate equipment and carry out response and recovery operations.</p> <ul style="list-style-type: none"> <li>- Onsite sorbent materials and equipment shall be utilized to recover released oil.</li> </ul>
	<ul style="list-style-type: none"> <li>- Any contaminated soils shall be removed and/or remediated as per state regulations.</li> <li>- Oil sorbent materials shall be properly stored in suitable containers or plastic bags.</li> <li>- Oil sorbent materials shall be disposed of at a state-approved disposal site.</li> </ul>
Project Manager	<p>In the event of an onshore oil spill, the Project Manager shall:</p> <ol style="list-style-type: none"> <li>1. Account for all personnel and ensure their safety.</li> <li>2. Determine whether there is a threat of fire or explosion.</li> <li>3. If a threat of fire or explosion exists, suspend all control and/or response operations until threat is eliminated.</li> <li>4. Assess the spill situation: <ul style="list-style-type: none"> <li>- determine the status of response operations;</li> <li>- estimate spill volume;</li> <li>- determine whether onsite containment bins and vacuum truck are adequate to respond to the oil spill situation successfully and completely.</li> </ul> </li> <li>5. Notify Unocal's District Foreman (805) 525-6312.</li> <li>6. Notify appropriate government agencies (See Appendix D for a complete list of appropriate agencies and interest groups). <ul style="list-style-type: none"> <li>- California Office of Emergency Services (offshore/onshore) (800) 852-7550</li> <li>- National Response Center (800) 424-8802</li> <li>- State Lands Commission 310-590-5201 (24-hour)</li> <li>- Ventura Emergency Response Agency (805) 388-4281</li> </ul> </li> <li>7. Supervise response, cleanup and storage operations.</li> <li>8. Complete response, cleanup and storage operations.</li> <li>9. File appropriate written reports to government agencies.</li> </ol>

### 8.3.1.2 Onshore Spill Scenario - Small Scale Spill

In the event that onsite equipment and personnel are not sufficient

to contain and remediate a release of oil during onshore abandonment procedures, the following procedures shall be implemented utilizing the onshore Clean Seas equipment listed in Table 8.3.2.

**Table 8.3.2. Onsite Equipment for Onsite Small Scale Response**

Clean Seas Equipment	Quantity	Size
<b>Van No. 4 (Spinnaker Tank Farm)</b>		
Barrels, topless	2	55 gal.
Blankets	19 boxes	200 feet
Burlap Bags	160	100 feet
Line, Nylon	3 bundles	600 feet
Line, Nylon	4 bundles	1,200 feet
Line, Poly	1 bundle	1,500 feet
Oil Mop	216	
Oil Mop Mark 2	11	
Pads	15 Bundles	
Pillows	1 box	
Pitchforks	3	
Rake	1	
Kepner 8" Sea Curtain	1	
Kepner 12" Sea Curtain	1	
Shovels	5	
Snares	1 box	
Sorbent Boom	5 bags	
Sweeps	5 bundles	
<b>Van No. 8 (Pt. Dume, Ventura)</b>		
Barrels, topless	2	1,200 feet
Blankets	19 boxes	200 feet
Kepner 8" Boom	1	100 feet
Burlap Bags	150	
Line, Nylon	3 bundles	
Line, Nylon	4 bundles	
Oil Mop	450	
Pads	15 bundles	
Pillows	1 box	
Pitchforks	3	
Rake	1	
Shovels	5	
Snares	1 box	
Sorbent Boom	5 bags	
Sweeps	5 bundles	

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### 8.3.1.3 Onshore Spill Response - Small Scale Spill

Responsible Person	Action
Unocal's District Foreman	<p>In the event of an oil spill during pipeline entry that exceeds the capability of onsite personnel and equipment the District Foreman shall:</p> <ol style="list-style-type: none"> <li>1. Begin Unocal Oil Spill Response Team mobilization by contacting the Team Leader.</li> <li>2. Assess the spill situation and request additional Unocal personnel, if required.</li> <li>3. If necessary, access Clean Seas equipment located in Van Nos. 4 and 8 (See Table 8.3.2 for Clean Seas Equipment).</li> <li>4. Supervise Oil Spill Response Team in the incorporation of Clean Seas equipment personnel into response and recovery operations, as per Section 8.3.1.2.</li> </ol>
Project Foreman	<p>In the event of an oil spill during pipeline entry that exceeds the capability of onsite equipment, the Project Foreman shall;</p> <ol style="list-style-type: none"> <li>1. Incorporate onsite response personnel and equipment into response and recovery operations, as per Section 8.3.1.2</li> </ol>

#### D. OFFSHORE SPILL SCENARIOS AND RESPONSE PROCEDURES

##### 1. Offshore Spill Scenario - Minor Spill

The potential for an offshore oil release during the abandonment procedures would be associated with the modification of piping during the installation of pig receivers and launchers, during the actual flushing operations, or during the raising and removal of pipe sections. Potential spill locations would be in the operational areas of the George M and along the pipeline route. In the event of a release of oil or contaminated water, the following procedures will be implemented utilizing the onsite equipment listed in Table 8.4.1.

Table 8.4.1. Onsite Equipment for Minor Offshore Response

	Quantity	Size
Sorbent Boom	1	400 feet
Sorbent Pads (100 count)	5 bales	18" x 18" x 3/8"
Deployment Skiff (inflatable)	1	15 feet/15 hp.
M/V George	1	165 feet
M/V Coronado	1	65 feet



### 8.4.1.1 Offshore Spill Response - Minor Spill

Responsible Person	Action
Project Foreman	<ol style="list-style-type: none"> <li>1. In the event of an offshore oil spill during pipeline entry, onsite personnel shall assess spill size and determine whether such a spill can be safely and rapidly controlled. Onsite personnel shall immediately conduct containment control operations.               <ul style="list-style-type: none"> <li>- shut down transfer pumps;</li> <li>- close all flow valves;</li> <li>- turn off all sources of ignition;</li> <li>- deploy Conwed sorbent boom.</li> </ul> </li> <li>2. As soon as possible, onsite personnel shall notify the Project Manager and provide him with information on:               <ul style="list-style-type: none"> <li>- the source of the spill;</li> <li>- the type of product spilled;</li> <li>- the status of control operations</li> </ul> </li> <li>3. Maintain source and oil slick surveillance.</li> <li>4. At direction of the Project Manager, onsite personnel shall deploy appropriate equipment and carry out response and recovery operations.               <ul style="list-style-type: none"> <li>- Oil sorbent materials and any other oily debris recovered during response operations shall be stored in suitable containers or plastic bags.</li> <li>- Oil sorbent materials shall be disposed of at a state approved disposal site.</li> </ul> </li> </ol>
Project Manager	<p>In the event of an offshore oil spill during abandonment procedures, the Project Manager shall:</p> <ol style="list-style-type: none"> <li>1. Account for all personnel and ensure their safety.</li> <li>2. Determine whether there is a threat of fire or explosion.</li> <li>3. If a threat of fire or explosion exists, suspend all control and/or response operations until the threat is eliminated.</li> <li>4. Assess the spill situation:               <ul style="list-style-type: none"> <li>- determine the source of the spill;</li> <li>- determine the status of response operations;</li> <li>- estimate spill volume;</li> <li>- estimate speed and direction of the slick's movement.</li> <li>- determine whether onsite containment and recovery equipment is sufficient to respond to the oil spill situation successfully and completely.</li> </ul> </li> <li>5. Notify Unocal's District Foreman (805) 525-6312.</li> </ol>

Responsible Person	Action
	<p>6. Notify appropriate government agencies (See Appendix D for a complete list of appropriate agencies and interest groups).</p> <ul style="list-style-type: none"> <li>- California Office of Emergency Services Warning Officer 800-852-7550 (24-hour)</li> <li>- U.S. Coast Guard National Response Center 800-424-8802 (24-hour)</li> <li>- U.S. Coast Guard Marine Safety Office (Los Angeles/Long Beach) Commanding Office 310-499-5555 (24-hour)</li> <li>- State Lands Commission 310-590-5201 (24-hour)</li> <li>- Ventura Emergency Response Agency (805) 388-4281</li> </ul> <p>7. Supervise response, cleanup and storage operations.</p> <p>8. Complete response, cleanup and storage operations.</p> <p>9. File written reports with appropriate government agencies.</p>

## 2. Offshore Spill Scenario - Small Scale Spill

In the event that the onsite sorbent boom and personnel are not sufficient to contain and remediate a release of oil during offshore abandonment procedures, the following procedures shall be implemented utilizing the onsite equipment listed in Table 8.4.2. All onsite offshore response equipment will be stationed on the George M and available for immediate deployment.

Table 8.4.2. Onsite Equipment for Small Scale Offshore Response

	Quantity	Size
Expandi 4300 Boom	1	1,500 ft.
Roto Pac System	1	
GT-185 Skimmer or Walosep Skimmer	1	
Series 1300 Power Pack	1	
Oil/Water Separating Tank	1	1,000 gal.

### 8.4.2.1 Response Procedure - Small Scale Spill

Responsible Person	Action
Unocal's District Foreman	<p>In the event of an oil spill during pipeline entry that exceeds the capability of onsite personnel and equipment the District Foreman shall:</p> <ol style="list-style-type: none"> <li>1. Begin Unocal Oil Spill Response Team mobilization by contacting the Team Leader.</li> <li>2. Assess the spill situation and request additional Unocal personnel, if required.</li> <li>3. If necessary, access Clean Seas equipment located in Van Nos. 4 and 8 (See Table 8.3.2 for Clean Seas Equipment).</li> <li>4. Supervise Oil Spill Response Team in the incorporation of Clean Seas equipment personnel into response and recovery operations, as per Section 8.3.1.2.</li> </ol>
Project Foreman	<p>In the event the an oil spill exceeds the capacity of the onsite sorbent boom equipment, the Project Foreman shall direct response personnel;</p> <ol style="list-style-type: none"> <li>1. Initiate additional containment and recovery operations. <ul style="list-style-type: none"> <li>- Oil skimming operations utilizing a GT-185 Skimmer or a Walosep W-2 Skimmer.</li> <li>- Oil and surface water skimmed during recovery operations will be stored and separated in the 1,000 gallon oil/water separation tank.</li> <li>- Recovered oil and contaminated water will be transferred to onshore facilities and disposed of in accordance with state regulations.</li> </ul> </li> </ol>

### 3. Offshore Spill Scenario - Major Spill

The potential for a major spill during offshore pipeline abandonment is considered to be remote due to the size of the project and the abandoned condition of the pipelines. However, should an oil spill occur that exceeds the capacity of the onsite equipment and personnel response discussed in Section 8.4.1.2, the following procedures will be implemented using the offsite Unocal personnel and equipment and Clean Seas equipment listed in Table 8.4.3. Should such a major spill occur, this plan will be superseded by the procedures outlined in Unocal's Emergency Response Manual.

**Table 8.4.3. Response Equipment of Major Offshore Response**

	Quantity	Size
<b>OSRV <u>Mr. Clean II</u></b>		
Offshore Device Advancing Skimmer	2	750 gpm
Expandi 70' Boom	1	1,500 feet
Expandi 43' Boom	1	1,500 feet
Goodyear 12"x14" Boom	1	1,485 feet
Walosep W-4 Skimmer, or GT260, or 135 Skimmer	1	90 bbls
15-ton Crane	1	15 foot
Oil/Water Separation Tank	1	200 gal.
Skiff	1	—
Dispersant Application System	1	—
Integral Oil Storage Capacity	1	1,800 bbls.
Absorbent Boom	10 bags	—
Absorbent Pads	10 bags	—

**8.4.3.1 Response Procedures - Major Spill**

Responsible Person	Action
District Foreman	<ol style="list-style-type: none"> <li>1. If it is determined the onsite containment and recovery equipment is not adequate to respond to the spill, the District Foreman shall:</li> <li>2. Supervise the incorporation of the Oil Spill Response Team and Clean Seas equipment and personnel into the containment and recovery operations. <ul style="list-style-type: none"> <li>- Activate the Oil Spill Response Team and initiate actions outlined in Unocal's Emergency Response Manual.</li> <li>- Activate Clean Seas equipment and manpower (805) 684-3838</li> </ul> </li> <li>3. Clean Seas offshore response equipment shall be deployed as necessary for spill response as per the Clean Seas Oil Spill Cleanup Manual (1991). <ul style="list-style-type: none"> <li>- Large scale response to the project site is provided by the Clean Seas Oil Spill Response Vessel (OSRV) <u>Mr. Clean II</u>, stationed in Santa Barbara. Response time to the site is four hours (see Table 8.4.3 for equipment onboard the <u>Mr. Clean II</u>).</li> </ul> </li> </ol>

EXHIBIT "C" CONTINUATION

APPENDIX D  
EMERGENCY CONTACT LIST

In the event of an emergency situation during abandonment operations, the following agencies will be notified.

Company Notifications	
Unocal District Foreman (805) 525-6312  Unocal Division Manager (213) 903-8300  International Diving Services Mark Steffy, Project Manager (805) 488-6428  Fugro-McClelland (West), Inc. Simon Poulter, Program Manager (805) 644-5535	Unocal Project Managers  James E. Nowinski (213) 977-6874  Frank Acosta (310) 903-8338  John Dang (213) 977-6313
Required Government Agency Notification	
U.S. Coast Guard National Command Center 2100 2nd Street Southwest, Room 2611 Washington, D.C. 20593 (800) 424-8802  Marine Safety Office 165 North Pico Avenue Long Beach, CA 90802-1096 (310) 499-5555	County of Ventura Emergency Response Agency (805) 388-4280 or 911  State of California Office of Emergency Services 2800 Meadowview Road Sacramento, CA 95832 (800) 852-7550

**Government Agency Notification**

Federal

U.S. Department of Transportation  
Information Resource Manager  
Office of Pipeline Safety  
Washington, D.C. 20590

Ed Ondak  
Western Regional Office  
Lakewood, CO  
(303) 236-3424 (24-hour)

U.S. Department of Interior  
National Park Service  
Channel Islands National Park  
1901 Spinnaker Drive  
Ventura, CA 93001

U.S. Army Corps of Engineers  
Ventura Regulatory Office  
2151 Alessandro Drive, Suite 100  
Ventura, CA 93001  
(805) 641-1121

U.S. Fish and Wildlife Service  
Field Supervisor, Ecological Services  
Ventura Field Office  
2140 Eastman Avenue, Suite 100  
Ventura, CA 93003

Environmental Protection Agency  
Region IX  
215 Fremont  
San Francisco, CA 94105

State

Division of Oil and Gas  
District Office  
1000 South Hill Road, #116  
Ventura, CA 93003  
(805) 654-4761

Regional Water Quality Control Board  
Regional Office  
107 South Broadway, Room 4027  
Los Angeles, CA 90012

California Department of Parks and Recreation  
Channel Coast District  
24 East Main Street  
Ventura, CA 93001

Office of State Fire Marshall  
Pipeline Safety Division  
(818) 337-9999  
(916) 427-4500

California Coastal Commission  
925 De la Vina Street  
Santa Barbara, CA 93101  
(805) 963-6871

45 Fremont Street, Suite 2000  
San Francisco, CA 94105  
(415) 904-5200

State Lands Commission  
District Office  
245 West Broadway, Suite 425  
Long Beach, CA 90802  
(310) 590-5201

1807 13th Street  
Sacramento, CA 95814  
(916) 322-4105

Department of Fish and Game  
State Agency Coordinator &  
Expediter of Oil Spills  
1416 Ninth Street  
Sacramento, CA 95814  
(916) 323-0635  
(800) 852-7550  
(24-Hour)

Region 5 Headquarters  
330 Golden Shore, Suite 50  
Long Beach, CA 90802  
(310) 590-5132  
(310) 590-5179

**CRITICAL OPERATIONS AND CURTAILMENT PLAN**

Critical Operation	Curtailment Measure
Flushing Operations. Leak in pipeline.	<p>The pipeline will be hydrostatically pressure tested to 175 psi for 30 minutes before flushing operations are started.</p> <p>If a leak should occur, all flushing operations will be stopped and corrective operations will be undertaken.</p>
Cutting or opening underwater portion of pipeline.	An 8' x 8' steel seep tent will be installed over all cutting and pipe opening locations prior to starting operations.
Pigging Operations. Stuck pig in pipeline.	To reduce the risk of a stuck pig, an oversized pig will be used. Back flushing of the pipeline will be used to remove a stuck pig.
Cementing operations. Leak in supply hose transporting displaced water from interior of pipelines to cargo tanks on M/V <u>George M.</u>	Use a new, heavy duty, wire reinforced marine fuel hose rated at 3 times working pressure. If a leak should occur, stop flushing operations and replace hose.
All marine operations. Unsafe sea states will be determined on a case-by-case basis by the project manager.	<p>Stop all marine operations. Shutdown flushing operations and disconnect supply hose.</p> <p>Resume operations when unsafe sea states subside.</p>

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# EXHIBIT "D"

STATE OF CALIFORNIA

PETE WILSON, Governor

## STATE LANDS COMMISSION

LEO T. McCARTHY, *Lieutenant Governor*  
GRAY DAVIS, *Controller*  
THOMAS W. HAYES, *Director of Finance*

EXECUTIVE OFFICE  
1807 - 13th Street  
Sacramento, CA 95814-7187

CHARLES WARREN  
Executive Officer

### PROPOSED NEGATIVE DECLARATION

File: PRC 602  
ND 614  
SCH No. 93021053

Project Title: UNOCAL Ventura Offshore Tanker Berth Abandonment

Proponent: UNOCAL Corporation

Project Location: Entrance to Ventura Harbor, City of Ventura, Ventura County.

Project Description: Pipeline Abandonment Project. Flush, pig, cut and remove 1,500 feet each of 20-inch and 8-inch abandoned oil pipelines from the entrance to Ventura Harbor.

Contact Person: Doug Miller Telephone: 916/322-7826

This document is prepared pursuant to the requirements of the California Environmental Quality Act (Section 21000 et seq., Public Resources Code), the State CEQA Guidelines (Section 15000 et seq., Title 14, California Code Regulations), and the State Lands Commission regulations (Section 2901 et seq., Title 2, California Code Regulations).

Based upon the attached Initial Study, it has been found that:

- this project will not have a significant effect on the environment.
- mitigation measures included in the project will avoid potentially significant effects.

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ENVIRONMENTAL IMPACT ASSESSMENT CHECKLIST - PART II

Form 13.20 (7/82)

File Ref.: PRC 602.1

I. BACKGROUND INFORMATION

A. Applicant: UNOCAL Corporation  
Mr. W. H. Cotrel  
Real Estate Division  
PO Box 7600  
Los Angeles, CA 90051

B. Checklist Date:     /    /    

C. Contact Person: Doug Miller  
 Telephone: ( 916 ) 322-7826

D. Purpose: Remove 1,500 feet each of 20" and 8" pipelines from Ventura Harbor Channel to facilitate the Federal Channel dredging operations.

E. Location: Entrance to Ventura Harbor, City of Ventura, Ventura County, California.

F. Description: Pipeline Abandonment Project. Flush, pig, plug, cut and remove 1,500 feet each of 20" and 8" abandoned oil pipelines from the entrance to Ventura Harbor

G. Persons Contacted: Simon Poulter, Fugro-McClelland (West), Inc.

II. ENVIRONMENTAL IMPACTS. (Explain all "yes" and "maybe" answers)

A. Earth. Will the proposal result in:	Yes	Maybe	No
1. Unstable earth conditions or changes in geologic substructures? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Disruptions, displacements, compaction, or overcovering of the soil? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Change in topography or ground surface relief features? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. The destruction, covering, or modification of any unique geologic or physical features? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Any increase in wind or water erosion of soils, either on or off the site? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Changes in deposition or erosion of beach sands, or changes in siltation, deposition or erosion which may modify the channel of a river or stream or the bed of the ocean or any bay, inlet, .....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Exposure of all people or property to geologic hazards such as earthquakes, landslides, mudslides, ground failure, or similar hazards? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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- Yes    Maybe    No
- B. Air.** Will the proposal result in:
- 1. Substantial air emissions or deterioration of ambient air quality?
  - 2. The creation of objectionable odors?
  - 3. Alteration of air movement, moisture or temperature, or any change in climate, either locally or regionally?
- C. Water.** Will the proposal result in:
- 1. Changes in the currents, or the course or direction of water movements, in either marine or fresh waters?
  - 2. Changes in absorption rates, drainage patterns, or the rate and amount of surface water runoff?
  - 3. Alterations to the course or flow of flood waters?
  - 4. Change in the amount of surface water in any water body?
  - 5. Discharge into surface waters, or in any alteration of surface water quality, including but not limited to temperature, dissolved oxygen or turbidity?
  - 6. Alteration of the direction or rate of flow of ground waters?
  - 7. Change in the quantity of ground waters, either through direct additions or withdrawals, or through interception of an aquifer by cuts or excavations?
  - 8. Substantial reduction in the amount of water otherwise available for public water supplies?
  - 9. Exposure of people or property to water-related hazards such as flooding or tidal waves?
  - 10. Significant changes in the temperature, flow or chemical content of surface thermal springs?
- D. Plant Life.** Will the proposal result in:
- 1. Change in the diversity of species, or number of any species of plants (including trees, shrubs, grass, crops, and aquatic plants)?
  - 2. Reduction of the numbers of any unique, rare or endangered species of plants?
  - 3. Introduction of new species of plants into an area, or in a barrier to the normal replenishment of existing species?
  - 4. Reduction in acreage of any agricultural crop?
- E. Animal Life.** Will the proposal result in:
- 1. Change in the diversity of species, or numbers of any species of animals (birds, land animals including reptiles, fish and shellfish, benthic organisms, or insects)?
  - 2. Reduction of the numbers of any unique, rare or endangered species of animals?
  - 3. Introduction of new species of animals into an area, or result in a barrier to the migration or movement of animals?
  - 4. Deterioration to existing fish or wildlife habitat?
- F. Noise.** Will the proposal result in:
- 1. Increase in existing noise levels?
  - 2. Exposure of people to severe noise levels?
- G. Light and Glare.** Will the proposal result in:
- 1. The production of new light or glare?
- H. Land Use.** Will the proposal result in:
- 1. A substantial alteration of the present or planned land use of an area?
- I. Natural Resources.** Will the proposal result in:
- 1. Increase in the rate of use of any natural resources?
  - 2. Substantial depletion of any nonrenewable resources?

- J. *Risk of Upset.* Does the proposal result in:
- |   | Yes                      | Maybe                               | No                                  |
|---|--------------------------|-------------------------------------|-------------------------------------|
| 1. A risk of an explosion or the release of hazardous substances (including, but not limited to, oil, pesticides, chemicals, or radiation) in the event of an accident or upset conditions? ..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 2. Possible interference with emergency response plan or an emergency evacuation plan? .....  | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
- K. *Population.* Will the proposal result in:
- |   |                          |                          |                                     |
|---|--------------------------|--------------------------|-------------------------------------|
| 1. The alteration, distribution, density, or growth rate of the human population of the area? ..... | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|-------------------------------------|
- L. *Housing.* Will the proposal result in:
- |   |                          |                          |                                     |
|---|--------------------------|--------------------------|-------------------------------------|
| 1. Affecting existing housing, or create a demand for additional housing? ..... | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|-------------------------------------|
- M. *Transportation/Circulation.* Will the proposal result in:
- |   |                          |                                     |                                     |
|---|--------------------------|-------------------------------------|-------------------------------------|
| 1. Generation of substantial additional vehicular movement? .....                           | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 2. Affecting existing parking facilities, or create a demand for new parking? .....         | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 3. Substantial impact upon existing transportation systems? .....                           | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4. Alterations to present patterns of circulation or movement of people and/or goods? ..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 5. Alterations to waterborne, rail, or air traffic? .....                                   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 6. Increase in traffic hazards to motor vehicles, bicyclists, or pedestrians? .....         | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
- N. *Public Services.* Will the proposal have an effect upon, or result in a need for new or altered governmental services in any of the following areas:
- |   |                          |                          |                                     |
|---|--------------------------|--------------------------|-------------------------------------|
| 1. Fire protection? .....                                   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Police protection? .....                                 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Schools? .....   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Parks and other recreational facilities? .....           | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Maintenance of public facilities, including roads? ..... | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Other governmental services? .....                       | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
- O. *Energy.* Will the proposal result in:
- |  |                          |                          |                                     |
|--|--------------------------|--------------------------|-------------------------------------|
| 1. Use of substantial amounts of fuel or energy? .....   | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Substantial increase in demand upon existing sources of energy, or require the development of new sources? .. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
- P. *Utilities.* Will the proposal result in a need for new systems, or substantial alterations to the following utilities:
- |                                    |                          |                          |                                     |
|------------------------------------|--------------------------|--------------------------|-------------------------------------|
| 1. Power or natural gas? .....     | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Communication systems? .....    | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Water? .....                    | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Sewer or septic tanks? .....    | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Storm water drainage? .....     | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Solid waste and disposal? ..... | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
- Q. *Human Health.* Will the proposal result in:
- |  |                          |                                     |                                     |
|--|--------------------------|-------------------------------------|-------------------------------------|
| 1. Creation of any health hazard or potential health hazard (excluding mental health)? ..... | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 2. Exposure of people to potential health hazards? .....                                     | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
- R. *Aesthetics.* Will the proposal result in:
- |  |                          |                          |                                     |
|--|--------------------------|--------------------------|-------------------------------------|
| 1. The obstruction of any scenic vista or view open to the public, or will the proposal result in the creation of an aesthetically offensive site open to public view? ..... | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|-------------------------------------|
- S. *Recreation.* Will the proposal result in:
- |   |                          |                          |                                     |
|---|--------------------------|--------------------------|-------------------------------------|
| 1. An impact upon the quality or quantity of existing recreational opportunities? ..... | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|-------------------------------------|