

MINUTE ITEM

This Calendar Item No. 42  
was approved as Minute Item  
No. 42 by the State Lands  
Commission by a vote of 3  
to 0 at its 9/25/84  
meeting.

MINUTE ITEM

42

09/25/84  
W 40411  
PRC 3242  
PRC 3120  
Gonzalez

APPROVAL OF APPLICATION FOR  
INSTALLATION OF A 12-INCH  
DIAMETER PRODUCTION PIPELINE  
FACILITIES AT ELLWOOD, SANTA BARBARA COUNTY

During consideration of Calendar Item 42, Assistant Executive Officer James Trout stated for the record that a call had been received from the County of Santa Barbara stating several unresolved questions with regard to the proposed project. The County will be working with staff to insure that all safety and mitigation measures are complied with.

Upon motion duly made and carried the resolution in Calendar Item 42 was approved as presented by a vote of 3-0.

Attachment: Calendar Item 42

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CALENDAR ITEM

A 35

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09/25/84  
W 40411  
PRC 3242  
PRC 3120  
Gonzalez

S 18

APPROVAL OF APPLICATION FOR INSTALLATION  
OF A 12-INCH DIAMETER PRODUCTION PIPELINE  
FROM PLATFORM HOLLY TO SHORE FACILITIES  
AT ELLWOOD, SANTA BARBARA COUNTY

APPLICANT:

Atlantic Richfield Company  
P. O. Box 147  
Bakersfield, California 93302  
Attention: Mr. J. B. Hundley

AREA, TYPE LAND

AND LOCATION:

The pipeline project will involve State Oil and Gas Leases PRC 3120 and 3242 which contain 3324 and 4290 acres, respectively, of tide and submerged lands located offshore from Ellwood, Santa Barbara County.

PROJECT:

A 12-inch diameter pipeline will be installed between Platform Holly and shore processing facilities of ARCO, located at Ellwood, to transport, oil and water produced from wells bottomed in State Lease 3242. The new pipeline will be placed within the existing pipeline corridor on PRC 3120 and PRC 3242 serving Platform Holly and the seep containment structure (see Exhibit "B"). The existing 6 5/8 inch line, will remain in place. The new pipeline will permit the lessee to comply with the Commission's policy and provisions of the oil and gas leases to segregate lease production, i.e., production from PRC 3242 will be shipped through the new pipeline and production under PRC 3120 through the existing line.

BACKGROUND:

Platform Holly currently produces approximately 9500 barrels of oil and 4000 barrels of water per day. The normally increasing production water to oil ratio will require transporting greater volumes of fluid to shore processing facilities so as to maintain current levels of oil production from these leases. The new pipeline will provide the additional capacity required to transport increased production as well as complying with the lease segregation requirement.

OTHER PERTINENT INFORMATION:

1. Pursuant to the Commission's delegation of authority and the State CEQA Guidelines (14 California Administrative Code 15025), the staff has prepared and circulated for public review a Proposed Negative Declaration identified as EIR ND 372 State Clearinghouse 84042503 pursuant to the provisions of the 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 will have a significant effect on the environment (14 California Administrative Code 15074(b)).

2. This activity involves lands identified as possessing significant environmental values pursuant to P.R.C. Sections 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.

3. In accordance with P.R.C. Section 6818, the Application was submitted to the Director of Parks and Recreation who has determined that the project will not interfere with recreational use of the littoral lands. Also in accordance with P.R.C. Section 6818, the Application was submitted to the Attorney General who has determined that the project complies with the applicable provisions of law and the rules and regulations of the Commission.

STATUTORY REFERENCES:

AB 884: 10/15/84.

EXHIBITS:

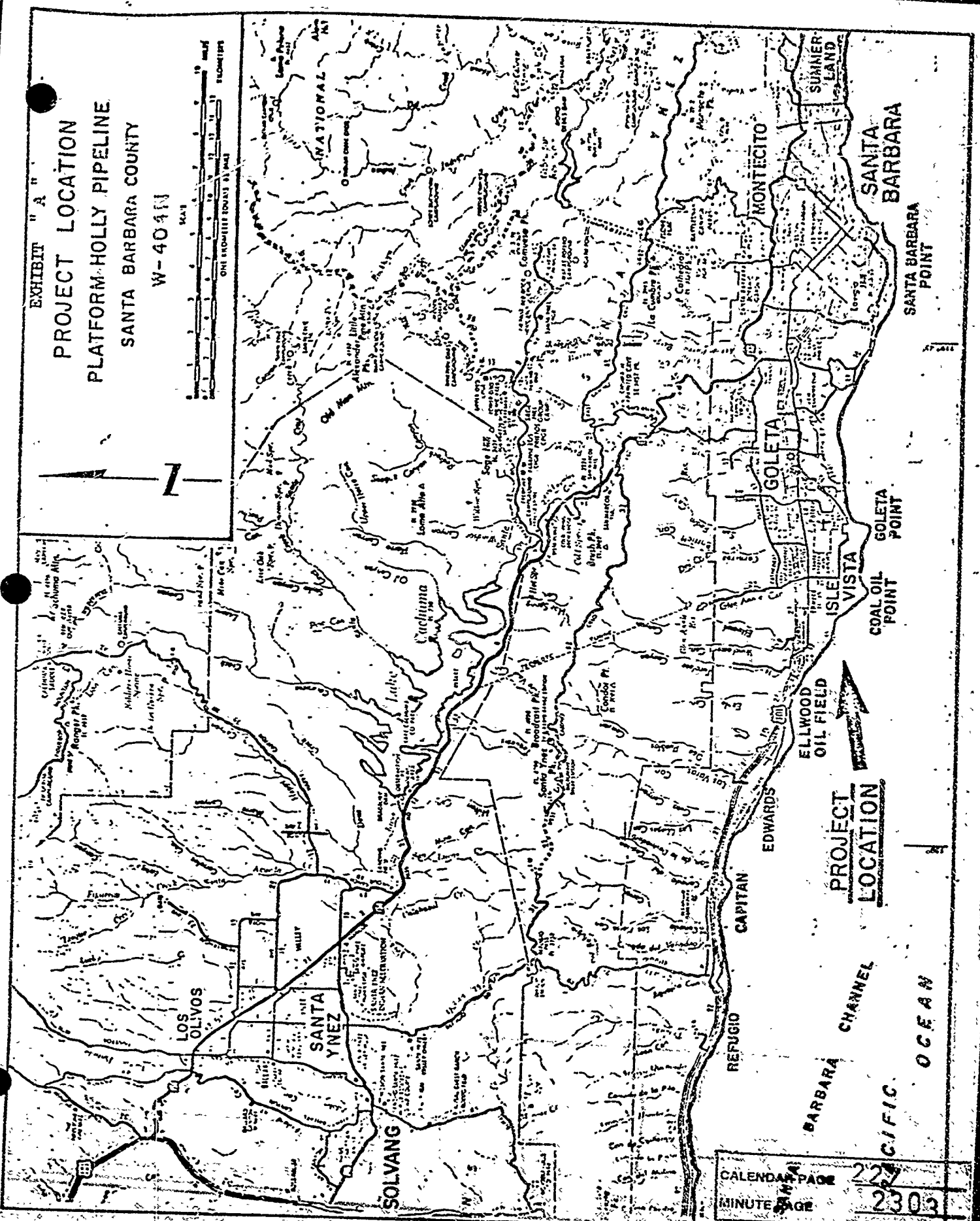
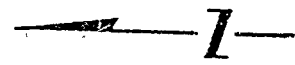
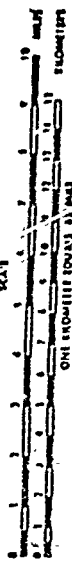
- A. Lease area.
- B. Pipeline route.
- C. Negative Declaration, EIR NO 372.

IT IS RECOMMENDED THAT THE COMMISSION:

1. CERTIFY THAT A NEGATIVE DECLARATION, EIR NO 372, STATE CLEARINGHOUSE 84042503 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. DETERMINE THAT THERE IS NO SUBSTANTIAL EVIDENCE THAT THE PROJECT, AS PROPOSED AND AMENDED, WILL HAVE A SIGNIFICANT EFFECT ON THE ENVIRONMENT.
3. FIND THAT THIS ACTIVITY IS CONSISTENT WITH THE USE CLASSIFICATION DESIGNATED FOR THE LAND PURSUANT TO PRC 6370 ET SEQ..
4. APPROVE THE APPLICATION BY ATLANTIC RICHFIELD COMPANY TO INSTALL A 12-INCH DIAMETER PIPELINE FOR THE PURPOSE OF TRANSPORTING OIL PRODUCED UNDER PRC 3242.1 FROM PLATFORM HOLLY TO ONSHORE PROCESSING FACILITIES AT ELLWOOD SUBJECT TO ENGINEERING APPROVAL BY THE CHIEF OR ASSISTANT CHIEF, EXTRACTIVE DEVELOPMENT PROGRAM OF THE STATE LANDS COMMISSION.

EXHIBIT "A"  
PROJECT LOCATION  
PLATFORM HOLLY PIPELINE  
SANTA BARBARA COUNTY

W-404N



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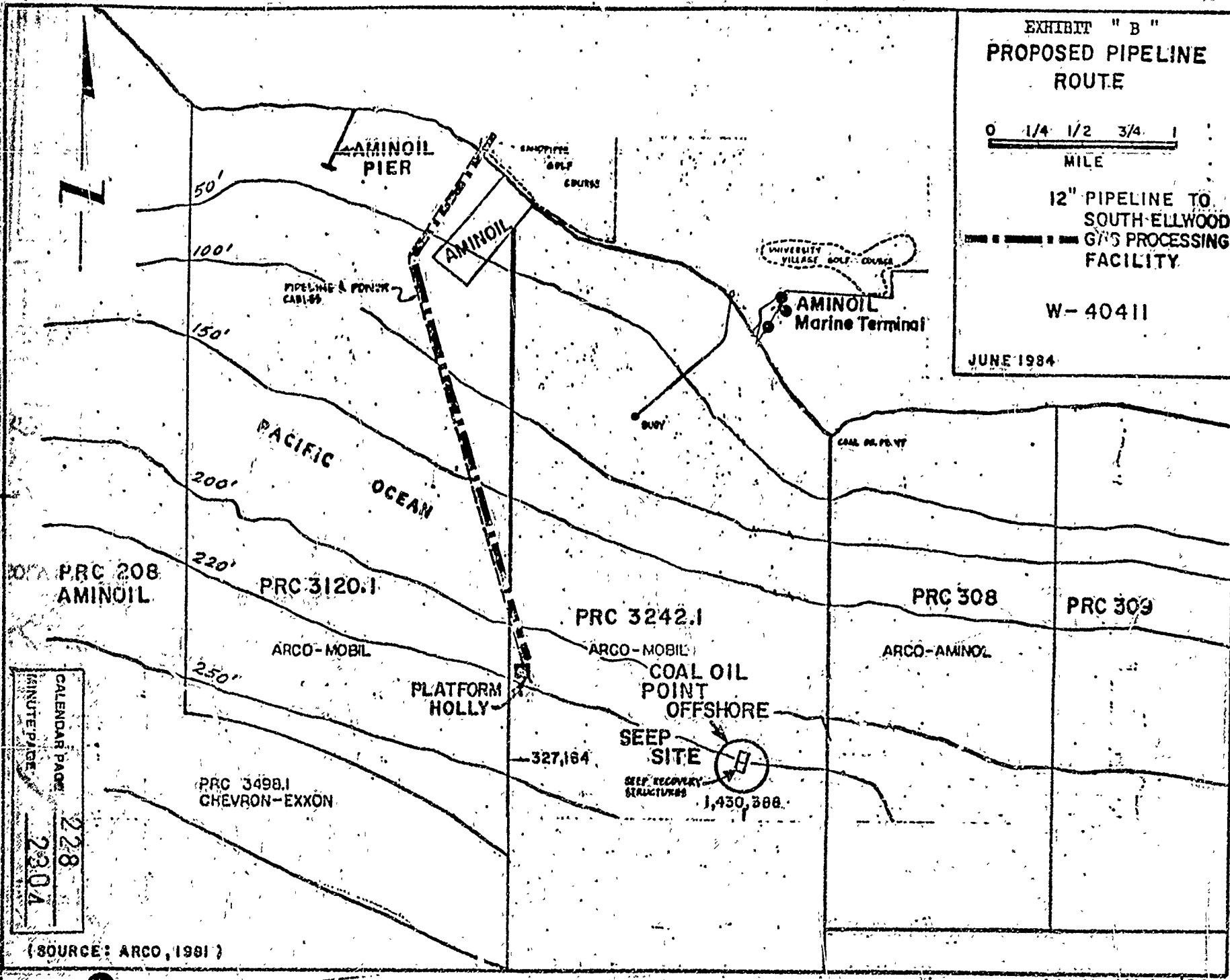
EXHIBIT " B "  
PROPOSED PIPELINE  
ROUTE



12" PIPELINE TO  
SOUTH ELLWOOD  
GAS PROCESSING  
FACILITY

W-40411

JUNE 1984



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(SOURCE: ARCO, 1981)

PROPOSED NEGATIVE DECLARATION

EIR ND 372

File Ref.: W 40411

SCH#: 84042503

Project Title: Pipeline from Platform HOLLY  
to the Ellwood Oil Processing Facility

Project Proponent: ARCO Oil and Gas Company

Project Location: Platform HOLLY located on State Oil and Gas Lease  
PRC 3242, approximately 25 miles offshore of  
Ellwood, Santa Barbara County

Project Description:  
Install a 12 inch diameter pipeline to carry  
production oil and water from Platform HOLLY  
to the Ellwood onshore oil processing facility.

Contact Person: Alex Gonzalez

Telephone: (213) 590-5220

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 Administrative Code), and the State Lands Commission regulations (Section 2901 et seq., Title 2, California Administrative Code).

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

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

COMMENTS RECEIVED TO INITIAL STUDY AND RESPONSES

California Coastal Commission

Comments

1. "Impacts to the marine resources from blasting in the surf zone;"
2. "Impacts to the benthic community from trenching and laying the new pipeline;"

Response

The Department of Fish and Game (DFG), in commenting on the proposed project, has stated:

"Blasting for pipe burial through the nearshore intertidal and subtidal zone would result in loss of benthic infaunal resources. This loss would be temporary with recolonization expected to commence at the completion of construction activities."

Comment

3. "Timing construction of the pipeline to limit conflicts with commercial fishing activities;"

Response

The impacts to the commercial fishery will be minor and insignificant. Again the DFG has commented:

"Pipeline placement activities could disrupt commercial and sport fishing activities...by precluding use of the area during construction. The loss of fishing area would be short-term and temporary".

Comments

4. "Designing the pipeline to ensure the protrusions will be properly designed or shrouded to eliminate snagging of fishing gear;"
5. "Ensuring that proper pipeline installation techniques would be followed to reduce or eliminate the creation of anchor furrows."



Response

The 18-inch diameter pipeline will be of welded construction and coated with high density polyethylene with no protrusions to interfere with fishing gear. An "as built survey" and inspection of the pipeline corridor will be required and any obstructions to trawling will be removed and furrows smoothed.

Comments

6. "Possibilities for consolidation of lines;"
7. "Effects of consolidation of onshore storage, processing and transportation facilities on use of the proposed pipeline;"

Response

The purpose of the proposed pipeline is to carry the naturally increasing fluid production (oil and water) from Platform HOLLY. The new pipeline will be consolidated with existing pipelines within the present corridor from the platform to Ellwood. Consolidation onshore already exists as the Ellwood facilities handle production from two State oil and gas leases developed from Platform HOLLY.

Department of Fish and Game

Comments

"The project, as proposed, would have the following impacts on marine resources, commercial and sport fishing activities and kelp harvesting:

1. Blasting for pipe burial through the nearshore, intertidal and subtidal zone would result in loss of benthic infaunal resources. This loss would be temporary with recolonization expected to commence at the completion of construction activities.
2. Pull barge and work boat activities during pipeline placement would cause the loss of kelp canopy as a result of vessel movement and the loss of kelp plants from pull barge anchor placement as well as actual pipeline placement through the kelp bed. Depending on the width of the construction area, the loss of canopy and plants could be significant.
3. Pipeline placement activities could disrupt commercial and sport fishing activities and kelp harvesting by precluding use of the area during construction. The loss of fishing area would be short-term and temporary, however, the loss of kelp canopy would probably be for a more prolonged period and would reduce the amount of

kelp which could be harvested until new canopy regenerated.

4. Trawling activities in this area could be disrupted if anchor scars from the pull barge precluded the operation of trawl gear."

Response

The project applicant, ARCO Oil and Gas Company, has agreed to comply with the mitigation measures proposed in Mr. Parnell's letter of August 2, 1984 and quoted as follows:

"We offer the following items as measures that would satisfy our interest: 1) establish a work boat and pull barge corridor through the kelp bed, 2) prohibit the placement of barge anchors in or anchor lines through the kelp bed, 3) commit to a preproject and postproject survey of the kelp bed to determine plant densities (the survey reports to be submitted to the State Lands Commission and reviewed by the Department of Fish and Game), and a revegetation program if densities do not return to preproject levels two years after project completion 4) prohibit the use of explosives within the kelp bed, and 5) conduct a post project pipeline survey to locate and remove any obstructions to trawling that may have been created."

Comment

"Although the proposed project could impact marine resources, commercial and sport fishing and kelp harvesting, we believe that a Negative Declaration with measures to eliminate or significantly reduce project impacts would be appropriate."

Response

(The above listed) measures will be incorporated into any permit issued by the State Lands Commission for the proposed project.

Department of Boating and Waterways

Comment

1. Potential for navigation hazards - to what extent might the proposed project affect safe navigation in California's waterways?

Response

Additional water borne traffic will be generated between the onshore facility and Platform HOLLY during the construction of the pipeline which is expected to last six weeks. This activity

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could impact the usage of and navigation of the coastal waters.

Comment

2. Beach erosion - to what extent might the proposed project affect the stability of coastal as well as inland beaches?

Response

The new pipeline will be installed in accordance with Federal pipeline standards with a minimum of three feet of cover from the Ellwood facility to the high water mark. Across the surf zone the pipe will be cement weight coated and buried in hard rock 18 inches above the top of the pipe. This project, therefore, should not affect the stability of the coastal beaches.

Comment

3. Boating and boating facilities - to what extent might the proposed project affect existing or planned small craft harbors, launching facilities, and other boating facilities? To what extent might recreational boating activities be affected?

Response

The pipeline laying activities will be governed by rules and regulations of the U.S. Coast Guard so as to minimize interference with fishing, boating and hazards to navigation. The installation activities will be restricted to the area immediately around the pipelaying boat or barge and will be of brief duration. Recreational boating in the pipeline laying area will be restricted and controlled by Coast Guard regulation for the duration of the project.

Santa Barbara County - Air Pollution Control District

Comment

1. Construction of the pipeline with its associated emissions from pig launchers/receivers, barge, crew/supply boats are subject to District permit approvals under Rule 205.C., NSR/PSD.

Response

All permits issued by the State Lands Commission require full compliance with all federal, State and local agency laws, rules or ordinances. In a letter dated July 30, 1984, with a copy sent to your office, ARCO has agreed to comply with the applicable APCD rules and regulations in the construction and operation of the pipeline and associated equipment.

Comment

2. ARCO has not stipulated when this project may commence. Since ARCO and others have plans to conduct exploratory drilling operations on this lease and adjacent leases, the proposed pipeline project may be dependent upon or influenced by other foreseeable projects in the immediate area. Such reasonably foreseeable future projects should be addressed along with the project impacts in an EIR.

Response

The applicant has stated that construction could be started 6 months after receipt of final permits. The purpose of the proposed pipeline is to segregate and carry the naturally increasing fluid production (oil and water) from Platform HOLLY. Installation of the pipeline is, therefore, not dependent on exploratory drilling.

Comment

3. ARCO has stated that this proposed project does not involve a large project or series of projects. What is the relationship between this project and ARCO's Coal Oil Point project?

Response

The HOLLY pipeline project is separate and independent from the Coal Oil Point Project and is required at this time to segregate and carry the increasing production from lease PRC 3242. The possibility that future production attributable to lease PRC 3242 which may be developed from the Coal Oil Point Project (COPP) and which might be transported to Platform HOLLY and then to shore via the subject 12-inch pipeline, is being addressed in the COPP Development EIR in preparation at this time.

Comment

4. Contained within the first paragraph of the Introduction (INITIAL STUDY), it is stated that "the proposed 12 inch line will eventually replace an existing 6 5/8 inch diameter line which has been in service since 1966." Is it the intent of ARCO to concurrently operate two sour oil/water pipeline to Ellwood?

Response

Yes, both lines will be utilized to transport oil/water production. State Lands Commission policy and the provisions of the oil and gas leases require the Lessee to segregate lease production. The new pipeline will permit ARCO to comply with this requirement. Production from lease PRC 3242 will be shipped ashore through the new 12-inch pipeline; production from lease PRC 3120 will travel through the existing line.

Comment

5. Will the installation of this new line allow or precipitate an increased throughput at Ellwood and consequently increase marine terminal activity?

Response

Throughput capacity at the Ellwood facility is regulated by County Ordinance 2919. It is not anticipated that production from HOLLY will exceed the presently permitted limit of the Ellwood processing facility.

END OF COMMENTS

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W 40411  
SCH# 84042503

INITIAL STUDY  
Proposed Pipeline from Platform Holly  
to the ARCO Ellwood Facility  
Santa Barbara County

INTRODUCTION

ARCO Oil and Gas Company has applied to the State Lands Commission for permission to install a 12 inch diameter pipeline to carry oil/water emulsion from Platform Holly to the Ellwood onshore oil and gas treating facility. The new pipeline will be emplaced in the existing pipeline corridor serving Platform Holly and the seep containment structure. It is expected that the proposed 12 inch line will eventually replace an existing 6 5/8 inch diameter line which has been in service since 1966.

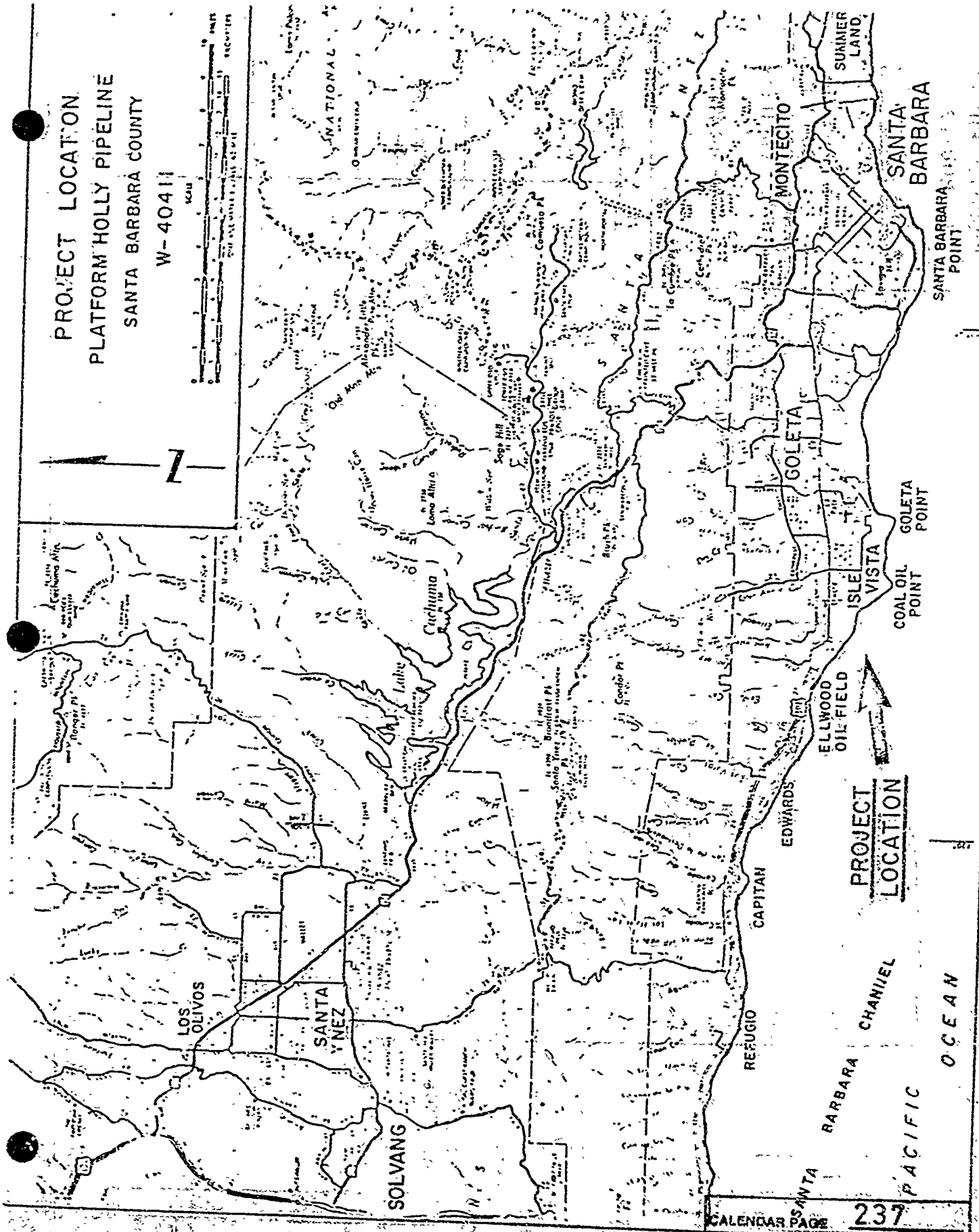
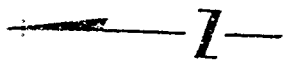
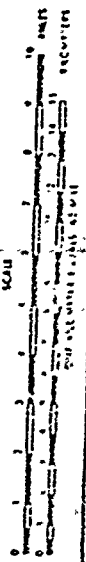
The proposed 12 inch diameter pipeline will have a nominal capacity of 20,000 barrels of fluid per day. Platform Holly currently produces approximately 9500 barrels of oil and 4000 barrels of water per day. The normally increasing production water to oil ratio will require transporting greater volumes of fluid to shore processing facilities. The pipeline will have a designed pressure rating of 1440 PSIG, be approximately 16,000 feet in length, and will be coated externally with high density polyethylene and weighted with a two inch thick coating of cement from the high water mark to Platform Holly.

Pursuant to CEQA Guidelines Section 15063(d) this Initial Study consists of a detailed project description with location maps, description of environmental setting, environmental effects checklist and discussion.

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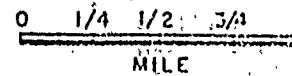
PROJECT LOCATION  
PLATFORM HOLLY PIPELINE  
SANTA BARBARA COUNTY

W-40411



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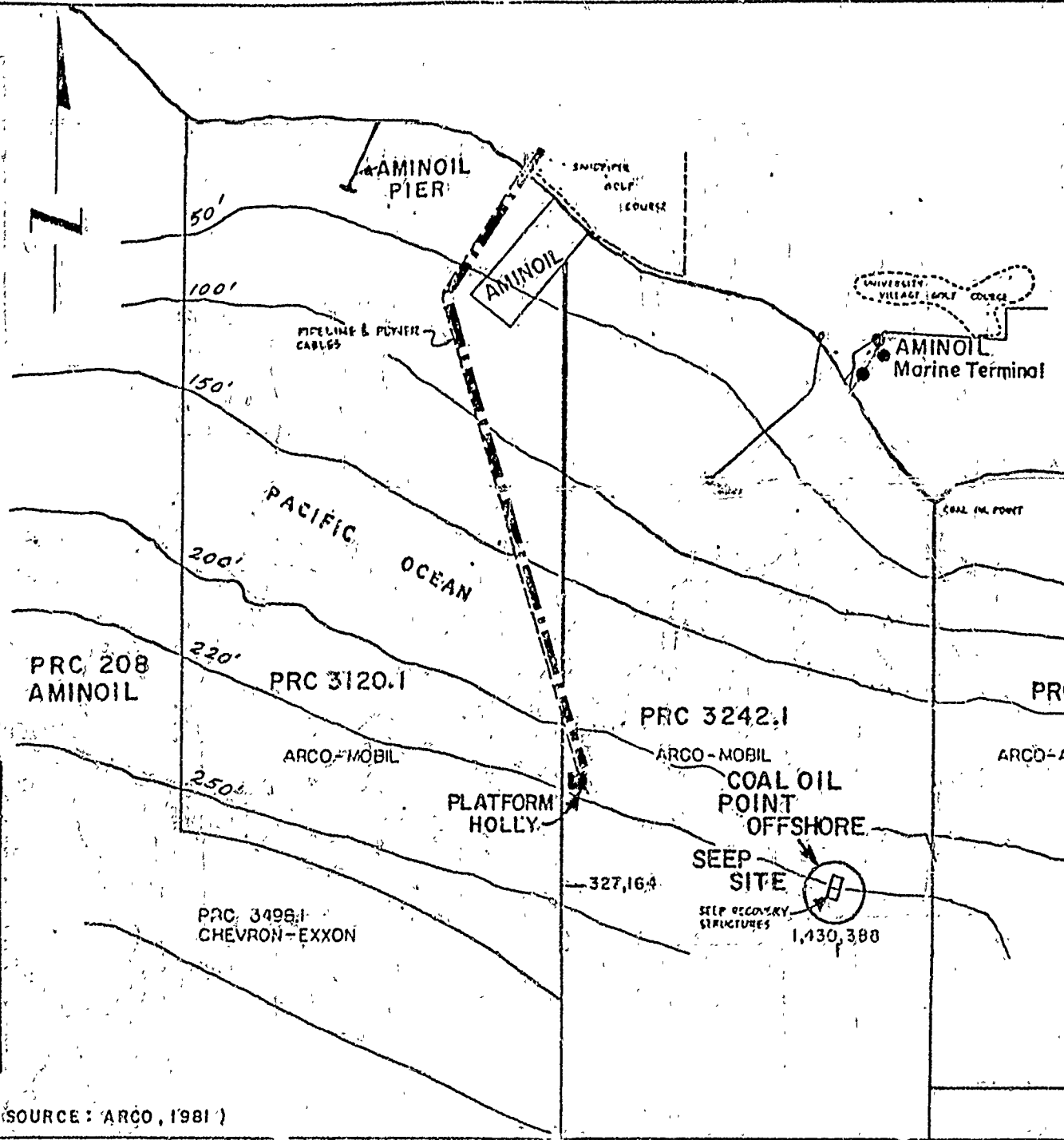
PROPOSED PIPELINE  
ROUTES



12" PIPELINE TO  
SOUTH ELLWOOD  
GAS PROCESSING  
FACILITY

W-40411

JUNE 1984



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(SOURCE: ARCO, 1981)



## PROJECT DESCRIPTION

### GENERAL DATA

1. It is proposed to lay the 12" line along the route of existing pipelines from Ellwood to Platform Holly. The line will be externally coated with high density polyethylene X-Tru Coat with Thermofit pipe sleeves over welded joints, and anodes for corrosion protection. The line from Holly to Ellwood will be approximately 16,500 ft. long. Pig launchers, pig receivers and the pipeline will be designed to handle internal inspection survey tools. The inspection-service tool supplier has not yet been determined.

The facilities at Platform Holly will include a 12" pig launcher and revised piping from the shipping pumps discharge.

The facilities at Ellwood will include laying the 12" pipeline to a new 12" pig receiver located in the general area of the existing pig receivers at Ellwood. A 12" line will extend from the pig receiver to a hot-tap into an existing header for incoming fluids into Ellwood.

The construction is based on fabricating the pipeline into 600 to 700 ft. sections and pulling the sections over the beach to Holly. A "bottom-pull" method will be used similar to that used on the "Seep" Project. The same fabrication area and the same onshore routing will be used as was used for the Seep Project.

All work on Platform Holly, at Ellwood, and the pipeline installation will run concurrently.

The Platform Holly and Ellwood facility installation will have pre-fabricated pipe spools, pig launchers, pig receivers, and structural equipment made ready prior to the start of construction. Preliminary timing is as follows:

- |   |          |
|---|----------|
| (a) Mobilization, includes work on Holly, at Ellwood, and pipeline installation preparation | -3 Weeks |
| (b) Pipeline laying, anchoring  | -3 Weeks |
| TOTAL CONSTRUCTION TIME   | 6 Weeks  |

2. No other project is dependent upon or influenced by this project. However, should blasting be required in the surf zone, ARCO will consider requesting a new right-of-way where trenching may be done by blasting and production from Holly will not be affected.

## PLATFORM HOLLY 12" EMULSION LINE

### General Requirements

1. All design of the pipeline, including the pipeline material, pipe design, pipeline components, and corrosion control is in accordance with the engineering specifications as outlined and CFR Title 49 Part 195.
2. The construction of the pipeline will be in accordance with the above Code of Federal Regulations and shall be as set out in the Contractor's construction specifications.
3. Operation and Maintenance - A written operation and maintenance program covering procedures establishing safe operating practices will be provided. The procedures will include specific programs relating to conditions presenting the greatest hazard to operations. Maintenance will include record keeping to assist in developing a history and will include periodic inspections of the parts of the pipeline available for checking.

### "As Built" Survey

It is proposed to conduct a side scan sonar survey to map the as-built location of the Platform Holly emulsion line. A 100 meter wide corridor will be surveyed to locate the existing pipelines, and will also provide evidence of such features as other pipelines, rock outcrops, and depressions. To map the 12" Holly pipeline, a survey will locate the pipeline as it touches bottom as laid from shore to Platform Holly. A map of the Holly pipeline location will be provided. No soil borings are provided for as the existing lines have been in place since 1967 and pipeline inspections have shown no adverse problems.

### Pipeline Application

(a) The product to be transported by the pipeline is a sour crude oil and produced water mixture from Holly.

Engineering Drawings (Available at SLC office)

Drawings show the typical location and installation of the following:

1. Tentative routing of line
- 2./3. Platform Holly pig launcher
4. Platform Holly riser

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5. Platform Holly riser clamps
- 6./7. Line location into Ellwood facility
8. Pig receiver and details at Ellwood

#### Engineering Specifications

1. Pipe data - pipe shall be 12" nominal size, 0.688" wall, 88.57 lbs./ft., pipe material to API-5L, Grade B. All joints to be welded in accordance with API 1104 Code. 100% x-ray, and all in accordance with the construction specifications to be provided later.
2. The pipeline will be externally coated with high density polyethylene X-Tru Coat with Thermofit pipe sleeves over welded joints and weighted with a two inch coating of cement.
3. The pipeline will have external anodes attached to the pipeline on an approximate 150 foot spacing for cathodic corrosion protection.
4. Internal design pressure is 1440 psi at the discharge of the shipping pumps on the platform. Maximum design pressure under this specification will be in the platform riser at sea level at a maximum of 1461 psi. Maximum internal pressure allowed by the API-5L, Grade B pipe, less 0.125" corrosion allowance, is 1855 psi. Nominal capacity is 20,000 B/D crude with its associated produced water at an operating pressure of 1400 psig.
- 5.&6. The line will be hydrostatically tested with treated seawater to 1.25 times the design pressure. The completed line will be pressured to 1800 psi at the discharge of the shipping pumps on Platform Holly. Highest test pressure will be 1806 psi in the platform riser at sea level.

The line will be prepared for hydrostatically testing by pumping treated seawater through the line behind a poly pig from the platform. After the line is filled with water, the pressure will be built up to test pressure conditions and held for eight hours. Pressure will then be reduced on the line, and the water will remain in the line until production commences from the platform. Initial capacity of the line will be approximately 10,000 B/D crude and its associated produced water at an estimated pressure of 250 psig.

7. It is proposed to fabricate the line into sections approximately 700 ft. long at a work area near the point the pipeline will cross the beach near ARCO Oil and Gas

Company's Ellwood facility. When the line is installed to the platform, each long pipe section will be pulled within the designated pipeline right of way from the shoreline toward Platform Holly. The long pipe sections will be joined by welding as the pipe is pulled toward the platform. After the pipeline has been pulled to the platform, the platform end of the line will be raised to the surface, and the platform riser will be welded to the pipeline, and the entire assembly lowered to the ocean floor and the riser clamp attached to the platform. The platform riser will be coated with "Tidegard" through the splash zone.

#### Pipeline Stability Data

1. It is proposed to bury the pipeline from the Ellwood facility to the ordinary high water mark with a minimum of three feet of cover. The pipeline across the surf zone will be cement weight coated and buried in hard rock 18" above the top of the pipe.
2. The pipeline across the surf zone, from the ordinary high water mark to 100 feet beyond the low low water level will be cement weight coated and buried to cover 18" over top in hard rock. If conditions/contract require special considerations, these will be mutually agreed on by SLC/ADOC prior to construction. Test results of the underlying material are not yet available, but visual inspection suggest blasting will be required to cut a trench. For this reason, we propose to blast only 100 feet past the low water mark and water jet the line into place, covering the line with the blasted rubble.
- 3.&4. No movement of the pipeline is anticipated due to water motion or buoyancy. Weight coating/burial will secure the line to non-movement in areas where water motion will occur. As experienced by Pacific Interstate Offshore Co., in the storm of February/March 1983, no movement or uncovering occurred in the surf zone of the Hondo or Habitat lines. If buried, no wave forces will affect the pipe. Weight coating calculations are on file at SLC office.

**ENVIRONMENTAL IMPACT ASSESSMENT FORM - Part I**  
(To be completed by applicant)  
FORM 0.3(11/82)

**A. GENERAL INFORMATION**

1. Name, address, and telephone number:

a. Applicant

Atlantic Richfield Company  
Post Office Box 147  
Bakersfield, California 93302  
( )

b. Contact person if other than applicant:

J. B. Hundley  
Post Office Box 147  
Bakersfield, California 93302  
(805) 833-4036

2. a. Project location: (Please reference to nearest town or community and include county):

Nearest City - Goleta, Santa Barbara County

b. Assessor's parcel number: 079-210-59

3. Existing zoning of project site: Local Coastal Plan Designation: Public/Private Recreation and/or open space.

4. Existing land use of project site: Pipeline right-of-ways

5. Proposed use of site: Pipeline right-of-way

6. Other permits required:

**B. PROJECT DESCRIPTION**

1. For building construction project, complete "ATTACHMENT A".

2. For non-building construction projects: Describe fully, the proposed activity, its purpose and intended use, e.g. for proposed mineral prospecting permits, include the number of test holes, size of holes, amount of material to be excavated, maximum surface area of disturbance, hole locations, depth of holes, etc. Attach plans or other drawings as necessary.

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C. ENVIRONMENTAL SETTING

1. Describe the project site as it exists before the project, including information on topography, soil stability, plants and animals, and any cultural, historical, or scenic aspects. Describe any existing structures on the site, and the use of the structures.
2. Describe the surrounding properties, including information on plants and animals, and any cultural, historical, or scenic aspects. Indicate the type of land use (residential, commercial, etc.), intensity of land use (one family, apartment houses, shops, department stores, etc.), and scale of development (height, frontage, set-back, rear yard, etc.).

D. ENVIRONMENTAL IMPACT ASSESSMENT

Answer the following questions by placing a check in the appropriate box (Discuss all items checked "yes" or "maybe". Attach additional sheets as necessary)

	YES	MAYBE	NO
Will the project involve:			
1. a change in existing features of any bays, tidelands, beaches, lakes, or hills, or substantial alteration of ground contours? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. a change in scenic views or vistas from existing residential areas or public lands or roads? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. a change in pattern, scale, or character of the general area of project? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. a significant effect on plant or animal life? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. significant amounts of solid waste or litter? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. a change in dust, ash, smoke, fumes, or odors in the vicinity? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. a change in ocean, bay, lake, stream, or ground water quality or quantity, or alteration of existing drainage patterns? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. a change in existing noise or vibration levels in the vicinity? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9. construction on filled land or on slope of 10 percent or more? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. use or disposal of potentially hazardous materials, such as toxic or radioactive substances, flammables, or explosives? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. a change in demand for municipal services (police, fire, water, sewage, etc.)? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12. an increase in fossil fuel consumption (electricity, oil, natural gas, etc.)? .....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13. a larger project or a series of projects? .....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

E. CERTIFICATION

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

Date: 3/15/84

Signed: [Signature]

## ENVIRONMENTAL SETTING

The proposed pipeline will be located adjacent to existing pipelines on ARCO State Leases PRC 3120.1 and 3242.1. These leases are located along the northern edge of the Santa Barbara Channel extending three miles offshore between Coal Oil Point and Ellwood Pier. The pipelines run from ARCO's Platform Holly, located about 2.5 miles offshore on lease PRC 3242.1 to the Ellwood Onshore Facility.

The area of the proposed pipeline is within the Transverse Range Geomorphic Province, an east-west trending province that is characterized by extensive faulting, folds, mountain ranges, and valleys (or basins). The project is specifically located on the Mainland shelf, a subsea terrace that extends from the shoreline roughly four or five miles offshore. Water depths in the project area range from over 200 feet at Platform Holly to 0 feet at the beach. The shelf gradient is relatively gentle sloping about one degree toward the southwest. The project site is underlain by sequence of folded and faulted tertiary sedimentary strata. Rocks of the Sisquoc Formation underlie surficial sediments. The bottom sedimentary sequence consists of a surface layer of unconsolidated sediments overlaying bedrock. The contact is an erosional unconformity. Surficial sediments vary in thickness from about 15 feet at Platform Holly to over fifty feet near the shore.

Chemical oceanography of the site is typical of sea water throughout the Santa Barbara Channel with variations due to season, conditions, and

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depth. Mean surface temperature is 58°F, at 200 feet 54°F. Salinity has a mean of 33.5 parts per thousand. Nutrients range from 0.3 - 1.6 PO<sub>4</sub> grams-atoms/liter (surface to 200 feet) and 5 - 26.7 SiO<sub>2</sub> grams-atoms/liter (surface to 200 feet). Dissolved oxygen ranges from 5.17 - 3.44 milligrams/liter (surface to 200 feet). Heavy metal and hydrocarbon specifications have not been measured in the area but are expected not to depart significantly from world values, except in areas of natural seep activity.

The project is located at the northern most boundary of the Southern California Bight, and resident biota are represented by northern and southern species. Soft bottom substrates and cobble or rock outcrops are found in the project area. Invertebrate, planktonic, fish and mammalian species commonly associated with these habitats are found within the project area.

No significant cultural resources are known to occur within the immediate area of the pipeline. Previous cultural resource surveys on the leases have noted some potential for the presence of underwater sites, but to date no significant sites have been identified.

Vessel activity in the project area include commercial shipping, crew and supply boats for offshore petroleum development, commercial and sport fishing, and recreational power and sail boats. In the immediate project vicinity, recreational use and crew and supply boats for platforms are the most common usage. ARCO and Exxon crew boats average four

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or five trips per day from the Ellwood Pier to Platforms Holly (ARCO) and Honda (Exxon). Recreational boats occasionally frequent the area.

#### ENVIRONMENTAL IMPACT ASSESSMENT

Environmental impacts from the pipeline construction result from physical disturbance onshore and through surf zone, noise and air contaminants from onshore construction and lay barges and general offshore marine vessel activity. Impacts are, however, expected to be very small and of short duration.

Turbidity levels in the surf zone as a result of trench excavation may increase slightly. Coarser grain material will settle out within a relatively short distance of excavation, finer grain material may be suspended for somewhat greater distance. All impacts to water quality are expected to be very local and of short duration.

Impacts to existing biota are expected to be very small. The habitats to be impacted will be those substrates effected by pipeline construction. In these areas invertebrate and planktonic communities will be effected, but the overall effect upon area ecology will be negligible.

Ambient noise levels in close proximity to the tug boat will increase slightly as a result of pipeline laying, however, since most barge activity will occur one-half mile or more offshore, on-shore receptors should not be impacted to any noticeable extent.

The tugboat will release small amounts of air pollutants into the atmosphere, primarily oxides of nitrogen, sulfur dioxide, carbon monoxide and some reactive hydrocarbons. However, since this activity is of a relatively short duration, impacts to the area's overall air quality are expected to be negligible. Since the project is not a major stationary source, it does not require a permit from the Santa Barbara County Air Pollution Control District.

Impacts to navigation and traffic in the Santa Barbara Channel are expected to be negligible. Adequate safeguards currently exist to notify marine traffic in the area of construction activity.

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I. BACKGROUND INFORMATION

- A. Applicant: Atlantic Richfield Company  
P.O. Box 147  
Bakersfield, CA 93302  
J. B. Hundley, (805) 833-4036
- B. Checklist Date 06 / 20 / 1984
- C. Contact Person Alex Gonzalez, State Lands Commission  
 Telephone: (213) 590-5201
- D. Purpose Install 12" oil/water pipeline
- E. Location Near Coleta, Santa Barbara County, between Platform HOLLY and Ellwood shore facilities. See location map.
- F. Description Install 12" oil/water pipeline between Platform HOLLY and onshore oil processing facility of ARCO. See project description and route map.
- G. Persons Contacted:  
See attached distribution list.

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? .....   |     |       | X  |
| 2. Disruptions, displacements, compaction, or overcovering of the soil? .....  |     | X     |    |
| 3. Change in topography or ground surface relief features? .....   |     | X     |    |
| 4. The destruction, covering, or modification of any unique geologic or physical features? .....   |     |       | X  |
| 5. Any increase in wind or water erosion of soils, either on or off the site? .....  |     |       | X  |
| 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, or lake? ..... |     |       | X  |
| 7. Exposure of all people or property to geologic hazards such as earthquakes, landslides, or similar hazards? .....   |     |       | X  |

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- B. Will the proposal result in:**
- 1. Substantial air emissions or other degradation of ambient air quality?  Yes  Mayb  No
  - 2. The creation of other notable odors?  Yes  Mayb  No
  - 3. Alteration of air movement, moisture or temperature or any change in climate, either locally or regionally?  Yes  Mayb  No
- 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?  Yes  Mayb  No
  - 2. Changes in abutment rates, directions or patterns, or the rate and amount of surface water runoff?  Yes  Mayb  No
  - 3. Alterations to the course or flow of flood waters?  Yes  Mayb  No
  - 4. Change in the amount of surface water in any water body?  Yes  Mayb  No
  - 5. Discharge into surface waters, or in any alteration of surface water quality, including but not limited to temperature, dissolved oxygen or turbidity?  Yes  Mayb  No
  - 6. Alteration of the direction or rate of flow of ground waters?  Yes  Mayb  No
  - 7. Change in the quantity of ground waters, either through direct additions or withdrawals, or through interception of moisture by cut or excavations?  Yes  Mayb  No
  - 8. Substantial reduction in the amount of water otherwise available for public water supplies?  Yes  Mayb  No
  - 9. Exposure of people or property to water-related hazards such as flooding or tidal waves?  Yes  Mayb  No
  - 10. Significant changes in the temperature, flow or chemical content of surface thermal springs?  Yes  Mayb  No
- 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)?  Yes  Mayb  No
  - 2. Reduction of the numbers of any unique, rare or endangered species of plants?  Yes  Mayb  No
  - 3. Introduction of new species of plants into an area, or in a barrier to the normal replenishment of existing species?  Yes  Mayb  No
  - 4. Reduction in acreage of any agricultural crop?  Yes  Mayb  No
- 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, marine organisms, or insects)?  Yes  Mayb  No
  - 2. Reduction of the numbers of any unique, rare or endangered species of animals?  Yes  Mayb  No
  - 3. Introduction of new species of animals into an area, or result in a barrier to the migration or movement of animals?  Yes  Mayb  No
  - 4. Deterioration to existing forest wildlife habitat?  Yes  Mayb  No
- F. Noise: Will the proposal result in:**
- 1. Increase in existing noise levels?  Yes  Mayb  No
  - 2. Exposure of people to severe noise levels?  Yes  Mayb  No
- G. Light and Glare: Will the proposal result in:**
- 1. The production of new light or glare?  Yes  Mayb  No
- H. Land Use: Will the proposal result in:**
- 1. A substantial alteration of the present or planned land use of an area?  Yes  Mayb  No
- Natural Resources: Will the proposal result in:**
- 1. Increase in the rate of use of any natural resources?  Yes  Mayb  No
  - 2. Substantial depletion of any nonrenewable resources?  Yes  Mayb  No

- J. Risk of Injury** Will the proposal result in:
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?  Yes  Maybe  No
  2. Possible interference with emergency response plan or an emergency evacuation plan?  Yes  Maybe  No
- K. Population** Will the proposal result in:
1. The alteration, distribution, density or growth rate of the human population of the area?  Yes  Maybe  No
- L. Housing** Will the proposal result in:
1. Affecting existing housing or create a demand for additional housing?  Yes  Maybe  No
- M. Transportation/Circulation** Will the proposal result in:
1. Generation of substantial additional vehicular movement?  Yes  Maybe  No
  2. Affecting existing parking facilities, or create a demand for new parking?  Yes  Maybe  No
  3. Substantial impact upon existing transportation systems?  Yes  Maybe  No
  4. Alterations to present patterns of circulation or movement of people and/or goods?  Yes  Maybe  No
  5. Alterations to waterborne, rail, or air traffic?  Yes  Maybe  No
  6. Increase in traffic hazards to motor vehicles, bicyclists, or pedestrians?  Yes  Maybe  No
- 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?  Yes  Maybe  No
  2. Police protection?  Yes  Maybe  No
  3. Schools?  Yes  Maybe  No
  4. Parks and other recreational facilities?  Yes  Maybe  No
  5. Maintenance of public facilities, including roads?  Yes  Maybe  No
  6. Other governmental services?  Yes  Maybe  No
- O. Energy** Will the proposal result in:
1. Use of substantial amounts of fuel or energy?  Yes  Maybe  No
  2. Substantial increase in demand upon existing sources of energy, or require the development of new sources?  Yes  Maybe  No
- P. Utilities** Will the proposal result in a need for new systems, or substantial alterations to the following utilities:
1. Power or natural gas?  Yes  Maybe  No
  2. Communication systems?  Yes  Maybe  No
  3. Water?  Yes  Maybe  No
  4. Sewer or septic tanks?  Yes  Maybe  No
  5. Storm water drainage?  Yes  Maybe  No
  6. Solid waste and disposal?  Yes  Maybe  No
- Q. Human Health** Will the proposal result in:
1. Creation of any health hazard or potential health hazard (excluding mental health)?  Yes  Maybe  No
  2. Exposure of people to potential health hazards?  Yes  Maybe  No
- 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?  Yes  Maybe  No
- S. Recreation** Will the proposal result in:
1. An impact upon the quality or quantity of existing recreational opportunities?  Yes  Maybe  No

Yes Maybe No

**Cultural Resources**

- 1. Will the proposal result in the alteration of or the destruction of a prehistoric or historic archaeological site?  Yes  Maybe  No
- 2. Will the proposal result in adverse physical or aesthetic effects to a prehistoric or historic building, structure, or object?  Yes  Maybe  No
- 3. Does the proposal have the potential to cause a physical change which would affect unique ethnic cultural values?  Yes  Maybe  No
- 4. Will the proposal restrict existing religious or sacred uses within the potential impact area?  Yes  Maybe  No

**U Mandatory Findings of Significance**

- 1. Does the project have the potential to degrade the quality of the environment, reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?  Yes  Maybe  No
- 2. Does the project have the potential to achieve short term to the disadvantage of long-term environmental goals?  Yes  Maybe  No
- 3. Does the project have impacts which are individually limited, but cumulatively considerable?  Yes  Maybe  No
- 4. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?  Yes  Maybe  No

**III DISCUSSION OF ENVIRONMENTAL EVALUATION (See Comments Attached)**

See following discussion

**IV. PRELIMINARY DETERMINATION**

On the basis of this initial evaluation:

- I find the proposed project **COULD NOT** have a significant effect on the environment, and a **NEGATIVE DECLARATION** will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because the mitigation measures described on an attached sheet have been added to the project. A **NEGATIVE DECLARATION** will be prepared.
- I find the proposed project **MAY** have a significant effect on the environment and an **ENVIRONMENTAL IMPACT REPORT** is required.

Date 9.4.84

*[Signature]*  
for the State Lands Commission

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### III Discussion of Environmental Evaluation

#### Section II

A-2, 3: Some temporary disturbance of the soil and minor changes in the ground surface will result from the pipeline construction and trenching onshore and through the surf zone. These impacts will be minor and of short duration.

B-1: Some air emissions will be generated by onshore construction machinery, lay barges and marine vessel activity. This impact to air quality will be of temporary duration.

E-1, 4: There will be impacts to the existing biota and any existing kelp beds by the construction for the period of time to construct and lay the pipeline. These impacts will be of limited duration and recolonization of the areas will occur. Any blasting in the water may require permitting and/or coordination with Fish and Game Commission.

F-1; G-1: There will be an increase in ambient noise and light levels in proximity to the tug and lay barge and welding equipment. This impact should be minor and of short duration.

M-1, 5; S-1: Additional water borne traffic will be temporarily generated between the onshore facility and Platform HOLLY during the construction of the pipeline. This activity will impact usage and navigation on the coastal waters.

The pipeline laying activities will be governed by rules and regulations of the U.S. Coast Guard so as to minimize interference with fishing, boating and hazards to navigation. The installation activities will be restricted to area immediately around the pipelaying boat or barge and will be of brief duration. Recreational boating in the pipeline laying area will be restricted and controlled by Coast Guard regulation for the duration of the project.