

MINUTE ITEM

This Calendar Item No. 001  
was approved as Minute Item  
No. 01 by the State Lands  
Commission by a vote of 3  
to 0 at its June 8, 1992  
meeting.

MINUTE ITEM 01

W 3399  
W 30007  
C 9023  
Griggs  
D. Brown

ADOPT A NEGATIVE DECLARATION FOR CAPPING  
THREE OIL WELLS AT SUMMERLAND, SANTA BARBARA COUNTY

Gavin Payne, Legislative Assistant for Assemblyman Jack O'Connell, spoke before the Commission and presented a letter from Assemblyman O'Connell and State Senator Gary Hart praising the Commission for the plugging and abandonment of leaking oil wells on the Summerland Beach in Santa Barbara County.

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CALENDAR PAGE = 1005  
MINUTE PAGE = 1001

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# Assembly California Legislature

JACK O'CONNELL  
ASSEMBLYMAN THIRTY-FIFTH DISTRICT  
Speaker Pro Tempore

MEMBER  
EDUCATION,  
INSURANCE  
WAYS AND MEANS

June 5, 1992

Controller Gray Davis, Chair  
State Lands Commission  
1807 13th Street  
Sacramento, CA 95814

Dear Controller Davis and Commission members:


On Monday, June 8th, the State Lands Commission will have the opportunity to certify and adopt the Negative Declaration, and authorize a contract, for the plugging and abandonment of leaking oil wells on the Summerland Beach in Santa Barbara County.

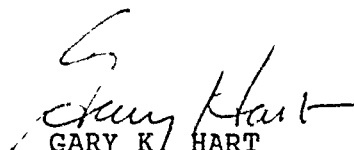
We want to thank the Commission for all of its assistance to date on this very important project. It has been almost two years since we began working with the Summerland community, you and your staff in an attempt to address this problem. We now stand on the brink of realizing that goal. Approval of the ND and the contract will allow us to begin, as soon as possible, the task of cleaning up these oil wells which are not only an environmental hazard, but a safety hazard to the public as well.

As you know, Summerland was the site of extensive onshore and offshore drilling in the early 1900's. Unfortunately technology and the legal requirements for abandoning oil wells at that time were not what they are today. As a result, there has always been some leakage of oil off Summerland. Over the years, however, the situation has significantly worsened.

Again, we want to urge you to adopt your staff recommendation so that the necessary permits can be obtained and work on this project can begin as soon as the summer recreational season has ended.

Sincerely,

  
JACK O'CONNELL  
Member of the Assembly

  
GARY K. HART  
State Senator

JO:GKH:cdf

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MINUTE ITEM  
This Calendar Item No. 01  
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No. \_\_\_\_\_ by the State Lands  
Commission by a vote of 2  
to 0 at its 6-8-92  
meeting.

CALENDAR ITEM

A 37

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06/08/92

S 18

W 3399

W 30007

C 9023

Griggs

D. Brown

ADOPT A NEGATIVE DECLARATION FOR CAPPING  
THREE OIL WELLS AT SUMMERLAND, SANTA BARBARA COUNTY

PARTY:

State Lands Commission  
1807 - 13th Street  
Sacramento, California 95814

At its meeting of August 8, 1990, the Commission approved, within Calendar Item 82, the finding that certain abandoned oil wells at Summerland, Santa Barbara County met the criteria of the Commission's 1986 Hazards Inventory report and authorized the Executive Officer to solicit bids and award and execute a contract for the capping of such wells to the lowest qualified bidder. At that time, staff determined that the Commission's action was exempt from the requirements of CEQA.

Upon receipt of bids, which detailed the methodology necessary to perform the work in a sound engineering manner, staff determined that the project, the abandonment process itself, was subject to the provisions of the CEQA.

AB 884:  
N/A

OTHER PERTINENT INFORMATION:

1. 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 EIR ND 586, State Clearinghouse No. 92041096. 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, which contains proposals that avoid or mitigate potential environmental impacts, will have a significant effect on the environment. (14 Cal. Code Regs. 15074(b))

2. This activity involves lands identified as possessing significant environmental values pursuant to P.R.C. 6370, et seq. Based upon 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.

**EXHIBITS:**

- A. Proposed Negative Declaration
- B. Mitigation Monitoring Program

**IT IS RECOMMENDED THAT THE COMMISSION:**

1. FIND THAT THIS ACTIVITY IS CONSISTENT WITH THE USE CLASSIFICATION DESIGNATED FOR THE LAND PURSUANT TO P.R.C. 6370, ET SEQ.
2. CERTIFY THAT A NEGATIVE DECLARATION, EIR ND 586, STATE CLEARINGHOUSE NO. 92041096, WAS PREPARED FOR THIS PROJECT PURSUANT TO THE PROVISIONS OF CEQA AND THAT THE COMMISSION HAS REVIEWED AND CONSIDERED THE INFORMATION CONTAINED THEREIN.
3. ADOPT THE NEGATIVE DECLARATION AND DETERMINE THAT THE PROJECT, AS APPROVED, WILL NOT HAVE A SIGNIFICANT EFFECT ON THE ENVIRONMENT.
4. ADOPT THE MONITORING PROGRAM, ATTACHED AS EXHIBIT "B", WHICH HAS BEEN PREPARED IN CONFORMANCE WITH P.R.C. 21081.6
5. ACKNOWLEDGE THE AWARD OF A CONTRACT TO \_\_\_\_\_ FOR THE CAPPING OF THREE (3) OIL WELLS LOCATED AT SUMMERLAND, SANTA BARBARA COUNTY.

EXHIBIT "A"

STATE OF CALIFORNIA

PETE WILSON Governor

**STATE LANDS COMMISSION**

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

EXECUTIVE OFFICE  
1807 - 13th Street  
Sacramento, CA 95814  
CHARLES WARREN  
Executive Officer

April 30, 1992  
File: W 9579  
ND 586

**NOTICE OF PUBLIC REVIEW OF A PROPOSED NEGATIVE DECLARATION  
(SECTION 15073 CCR)**

A Negative Declaration has been 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) for a project currently being processed by the staff of the State Lands Commission.

The document is attached for your review. Comments should be addressed to the State Lands Commission office shown above with attention to the undersigned. All comments must be received by May 29, 1992.

Should you have any questions or need additional information, please call the undersigned at (916) 322-0354.

*Mary Griggs*

MARY GRIGGS  
Division of Environmental  
Planning and Management

Attachment

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**STATE LANDS COMMISSION**

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

EXECUTIVE OFFICE  
1807 - 13th Street  
Sacramento, CA 95811  
CHARLES WARREN  
Executive Officer

**PROPOSED NEGATIVE DECLARATION**

File: W 9579  
ND 586  
SCH No. 92041096

Project Title: Well Abandonment -- Summerland Beach  
Proponents: State Lands Commission  
Project Location: Summerland Beach, Santa Barbara County  
Project Description: Plug and abandon three (3) oil wells on Summerland Beach.  
Contact Person: Mary Griggs Telephone: 916/322-0354

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.: W 9579.1

I. BACKGROUND INFORMATION

A. Applicant: State Lands Commission Contact Person: C. Powell
245 W. Broadway Suite 425
Long Beach, CA 90802

B. Checklist Date: 4 / 29 / 92

C. Contact Person: Marv Griggs
Telephone: ( 916 ) 322-0354

D. Purpose: To plug and abandon three oil wells on Summerland Beach

E. Location: On the west end of Summerland Beach in the community of Summerland, CA.

F. Description: SLC proposes to clean out the casing of three old oil wells and
plug each well with cement.

G. Persons Contacted: Santa Barbara County Energy Division - William Douros
Santa Barbara County Planning Dept. - Jeff Harris
California Coastal Commission - Susan Hansch
Santa Barbara County APCD - Dolly Arons

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

Table with 3 columns: Question, Yes, Maybe, No. Contains 7 rows of environmental impact questions with checkboxes.

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

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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?
- 2. Possible interference with emergency response plan or an emergency evacuation plan?

K. Population. Will the proposal result in:

- 1. The alteration, distribution, density, or growth rate of the human population of the area?

L. Housing. Will the proposal result in:

- 1. Affecting existing housing, or create a demand for additional housing?

M. Transportation/Circulation. Will the proposal result in:

- 1. Generation of substantial additional vehicular movement?
- 2. Affecting existing parking facilities, or create a demand for new parking?
- 3. Substantial impact upon existing transportation systems?
- 4. Alterations to present patterns of circulation or movement of people and/or goods?
- 5. Alterations to waterborne, rail, or air traffic?
- 6. Increase in traffic hazards to motor vehicles, bicyclists, or pedestrians?

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?
- 2. Police protection?
- 3. Schools?
- 4. Parks and other recreational facilities?
- 5. Maintenance of public facilities, including roads?
- 6. Other governmental services?

O. Energy. Will the proposal result in:

- 1. Use of substantial amounts of fuel or energy?
- 2. Substantial increase in demand upon existing sources of energy, or require the development of new sources?

P. Utilities. Will the proposal result in a need for new systems, or substantial alterations to the following utilities.

- 1. Power or natural gas?
- 2. Communication systems?
- 3. Water?
- 4. Sewer or septic tanks?
- 5. Storm water drainage?
- 6. Solid waste and disposal?

Q. Human Health. Will the proposal result in:

- 1. Creation of any health hazard or potential health hazard (excluding mental health)?
- 2. Exposure of people to potential health hazards?

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?

S. Recreation. Will the proposal result in:

- 1. An impact upon the quality or quantity of existing recreational opportunities?

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T. *Cultural Resources.*

Yes Maybe No

- 1. Will the proposal result in the alteration of or the destruction of a prehistoric or historic archeological site?
- 2. Will the proposal result in adverse physical or aesthetic effects to a prehistoric or historic building, structure, or object?
- 3. Does the proposal have the potential to cause a physical change which would affect unique ethnic cultural values?
- 4. Will the proposal restrict existing religious or sacred uses within the potential impact area?

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?
- 2. Does the project have the potential to achieve short-term, to the disadvantage of long-term, environmental goals?
- 3. Does the project have impacts which are individually limited, but cumulatively considerable?
- 4. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

III. DISCUSSION OF ENVIRONMENTAL EVALUATION (See Comments Attached)

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: 1 . 1

*Mary Duggan*  
 For the State Lands Commission  
 1700

## DESCRIPTION OF THE PROPOSED PROJECT

The State Lands Commission (SLC), the project applicant, proposes to properly plug and abandon three oil wells adjacent to Lookout Beach County Park in the community of Summerland, Santa Barbara County, which are seeping small amounts of oil that is contaminating the beach. These abandoned wells were improperly plugged in 1907.

The work will be done by an abandonment rig positioned on top of a 20 foot high steel structure. The structure will be assembled on the beach near the Summerland sewage treatment plant. The rig will be set on top of it by a crane and then the rig and structure will be moved to each well site by a tractor.

After the rig and structure are positioned over a well, a pipe will be welded to the top of the existing casing to extend the casing to the rig floor. A 6 foot diameter pipe will be installed around the casing which will prevent the escape of any oil that may migrate up hole outside the casing. The rig will be erected, the blow out preventer will be installed on the casing and debris will be cleaned out of the well (the wells are about 400 feet deep). Cementing equipment will then be brought in and the well will be filled with cement to within five feet of the surface. The casing will be cut off below the surface of the ground and a steel cap will be welded on top of it.

The well site will contain drill pipe, bits/mills, mud pump, power tongs, electric generator, etc., in addition to the rig, structure and blow out prevention equipment. A short distance from the well and on top of the bluff will be a tank for the storage of fluids from the well, oil spill boom and clean up equipment, and fire fighting and miscellaneous equipment.

After a well is cleaned out and cemented the rig will be rigged down and the rig, structure and other equipment will be moved to the next well. The first well to be abandoned will be the one immediately below the sewerage plant (well #3) which will be followed by well #2 and finally well #1.

The general location of the proposed project is shown on Figures 1 and 2. The specific location is shown on Figure 3 which is below Lookout Beach County Park in the community of Summerland. Summerland is about 7 miles east of the City of Santa Barbara.

The total time allocated to complete the project is two months with a target start date of June 1, 1992.

STATE OF CALIFORNIA  
SANTA BARBARA COUNTY  
3151

The total time allocated to complete the project is two months with a target start date of June 1, 1992.

#### ENVIRONMENTAL SETTING

The community is within a narrow "valley" bounded on the north by coastal cliffs several feet in height and on the south by Summerland Beach. The areas to the east and west are occupied mostly by farms. Summerland has a population of about 2000 people.

The proposed project site is located on the beach immediately adjacent to and about 20 feet below Lookout Beach County Park. Two paved (black top) roads allow access to the beach. One leads from the park to the beach and another leads from a road east of the sewer treatment plant to the beach.

During low tide none of the wells are in water. At high tide all of the wells are under water. When the structure and rig are positioned over well #1 (Figure 3) the depth of water at that point is about seven feet at high tide. The wells are located on a sandy beach. There are no rock outcroppings.

The main line of the Southern Pacific Railroad is on the north side of the park. State Highway 101 is north of the railroad between the park and the business district of Summerland. The business district and almost all of the residences are north of the highway. A duplex is west of the park next to and about 10 feet above the beach. A few homes and the city sewage treatment plant are east of the park on top of the bluff south of the railroad track.

The County of Santa Barbara is located within the South Central Coast Air Basin, and has been divided into two airsheds by the Santa Barbara County Air Pollution Control District (APCD). These airsheds are the south county, which includes the coastal region to Point Conception, and the north county, which includes the Santa Maria/Lompoc/Santa Inez area.

Santa Barbara County is in attainment status for state and federal standards for all pollutants except ozone, hydrogen sulfide and PM 10. Both the south county and the north county airsheds exceed the state and federal 1-hour ozone standard. Both airsheds also exceed the state 24-hour PM 10 standard, although they meet the federal 24-hour standards as well as the state and federal annual standards.

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1732

Pollutants which meet the attainment standards within Santa Barbara County are regulated under the Prevention of Significant Deterioration (PSD) rules. However, if the pollutants are precursors to a non-attainment pollutant or are a non-attainment pollutant, then they are regulated by New Source Review (NSR) rules.

#### DISCUSSION OF THE POTENTIAL ENVIRONMENTAL IMPACTS

##### A.1 Unstable Earth Conditions

This is not an activity that has or will create an unstable earth condition. A structure 20 feet in height with a base 20 feet by 30 feet supported by skids will be pushed from one well location to another. The skids and the tracks of the tractor will leave furrows in the sand on the beach. When a well is being cleaned out the work will be done inside a steel casing in the ground. Neither of these events will cause an unstable earth condition.

##### A.2 Disruption Of Soil

The location of the project is on a sandy beach between high and low tides. The only thing that will be disturbed is sand as equipment and vehicles are moved across it which will be restored upon the arrival of the next high tide. There are some areas of rock along the bluff but the well sites do not include any of those areas.

##### A.3 Change In Topography

There will not a change in topography (see A.2 above)

##### A.4 Unique Geological Features

No unique geologic features exist or will be affected in the project area.

##### A.5 Soil Erosion

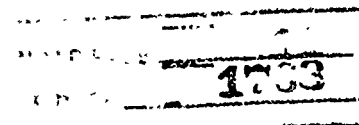
There will not be any soil erosion (see A.2).

##### A.6 Change In Soil Deposition

There will be no change in soil deposition caused by this project.

##### A.7 Geologic Hazards

The proposed project is taking place in a seismically active area. The project activity is not expected to induce seismic



instability to nearby faults. The short duration of the project will reduce the exposure of additional people to geologic hazards to an insignificant level.

#### B.1 Air Quality

Equipment will be transported to the work site at the beginning of the project and transported from the work site after the project is completed by large trucks. Crew personnel will arrive at and leave the work project site each work day by means of automobiles.

There will be one or two vehicles that will be used to transport the crew to and from work. The vehicles will be parked in the Lookout Point Park parking lot during the. A two ton truck will deliver supplies to the site every two or three days which will require one trip each time.

The rig, crane, trucks and automobiles will be powered by either gasoline or diesel engines which will cause a small impact upon air quality. (See Attachment for emissions projections.)

#### B.2 Objectionable Odors

While cleaning out the debris from wells oil will probably be present but there is not any evidence the oil contains any substance that will give off objectionable odors. Other odors related to well abandonment will not be noticeable by people in the community because they are too far away from the project to be affected. The motor of the rig will use diesel for fuel but the odor from the engine will not be any more noticeable than a diesel truck driven on the nearby freeway.

#### B.3 Air Movement

The proposed project will use a portable drilling rig with an open steel frame mast approximately 60 feet in height. This mast will not interfere with air currents.

#### C.1 Changes In Water Movements

This project is taking place on the beach between high and low tides and there should very little affect upon marine water movement and none upon fresh water movements.

#### C.2 Water Absorption, Drainage, Or Runoff

This project is taking place on the beach between high and low

tides and there will be no affect upon water absorption, drainage and runoff.

C.3 Flood Waters

The project will have no impacts upon flood waters.

C.4 Surface Waters

This project will not affect the amount of surface water of the Pacific Ocean or any other body of water.

C.5 Water Quality, Discharge

Nothing will be discharged into surface waters. If oil or water is present in a well casing it will be pumped to and stored in a steel tank and later transported to a suitable hazardous waste disposal site.

C.6 Groundwater Flow

Ocean water will be used during clean out operations. After a casing is cleaned out it will be filled with cement to isolate groundwater formations from oil bearing formations.

C.7 Groundwater Quality

The only fluids that will be pumped into the wells are salt water and cement. Neither will affect the present condition of the quality of groundwater.

C.8 Water

Since fresh water will not be used the project will not reduce the amount of water available for public water supplies.

C.9 Water Related Hazards

People and equipment could be exposed to tidal waves but work on the project will cease and equipment will be removed from the beach if tidal wave alerts occur.

C.10 Thermal Springs

The project will not impact thermal springs as there are no known thermal springs in the vicinity of the project.

D.1-3 Plant Life

There is no vegetation on the beach sand so there should be not be any impact upon plant life. Access to the beach is upon existing paved roads.

1755

#### D.4 Agriculture Land

The project site is not located on or adjacent to agricultural lands and is not designated so in the General Plan nor zoned for agricultural uses. Thus, the proposed project will not convert prime agricultural land to other uses or create a loss of productive crop land or soils.

#### E.1 Animal Life

Transportation of equipment to the well sites as well as placement of the rig over the well sites will cause some disturbance to intertidal organisms on the beach. However the disturbance will be localized in vehicle tracks. Vehicles traveling the beach will use the same tracks to enter and exit the beach on any given day. Since intertidal organisms are mobile and adapted to disturbance, the project should have no significant impact on the beach communities.

#### E.2 Unique, Rare or endangered species

No unique, rare or endangered species exist.

#### E.3 New Species

Animals and/or plants are not associated with a project of this type so there is not any danger of the introduction of new species of plants or animals.

#### E.4 Deterioration of existing fish or wildlife habitat.

The project will not cause deterioration of fish and wildlife habitat. Disturbance of beach habitat will be minimal (see E.1). In the unlikely event of an oil spill oil will be contained and removed from the beach. Once the rig is in place, oil now leaking from the wells will be contained and stored in tanks.

#### F.1 Noise

The proposed project will generate additional noise levels because of the type of rig that will be used to plug and abandon the wells. However the residences near the sites are situated on a bluff 20 feet above the beach where the work is to take place. The rig will be below the homes and the rig noise affecting the residences should be less than the noise from the traffic on the nearby freeway.

The rig crew will work during daylight hours only so the increase in noise levels will only exist during the hours between 8:00 A.M. and 6:00 P.M..



Although the project will cause additional noise levels, the temporary nature of the project, and the restriction of work hours to daylight hours only will minimize these impacts.

#### G.1 Light And Glare

There are no lights on the structure and the crew will work daylight hours only.

#### H.1 Land Use

There will be no alteration of the present or planned land use. The land is presently zoned for recreational use.

#### I.1 Natural Resources

Natural resources will not be affected in any way.

#### J.1 Risk of Upset

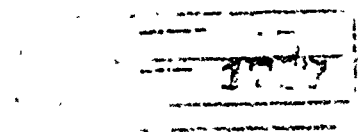
While cleaning out casing there is the risk of an oil spill or fire due to the escape of oil and/or gas. However an oil spill or fire is very unlikely because the pressure in the reservoir from which oil was produced is depleted. The maximum reservoir pressure when the wells were drilled was about 265 psi. The reservoir has been depleted so the expected pressure is 0 to 20 psi.

During the clean out operation a blow out preventer will be attached to the top of the casing. It will not allow any oil or gas to escape that may migrate up hole inside the casing during the clean out operation.

The 6 foot diameter steel pipe will extend from bedrock to the rig floor which is about 20 feet high. The pipe, which is around the casing, will prevent the escape of any oil that may flow up hole outside the casing. Oil that accumulates in either the casing or steel pipe will be pumped to and stored in an onshore steel storage tank which will be located near the well. The tank will be temporarily located on top of the bluff directly above and a short distance from the work site. Since the tank will be of top grade steel, not under pressure, on location a short time (one to two weeks) and a failure is highly unlikely, a berm is not planned. Accumulated oil, if any, will be removed promptly and transported to a suitable landfill.

An oil spill contingency plan will be prepared and approved by SLC and California Coastal Commission staff prior to start of work.

Oil spill containment and clean up equipment will be available



in case an oil spill should occur. Response time for an oil spill will be immediate because oil spill equipment and the necessary manpower will be on site. Fire equipment and personnel are within a few hundred feet of the site in case a fire should occur. Response by the fire department will be from two to five minutes since the fire station is about 200 yards from the work site. There is not any vegetation on the beach or bluff below the high tide mark that could be damaged by oil if oil is spilled in the water.

The well sites are on an area of the beach which is not heavily used by the public. The equipment and tanks on shore will be fenced off and a 24 hour security guard will be employed to prevent spectators from coming near the equipment, tanks or rig. The fencing will not affect public access to the beach.

#### K.1,L.1 Population and Housing

Because of the small size and local nature of the work force, implementation of the proposed project would not result in any population changes, nor would it affect housing demand in the region.

#### M.1 Transportation

The project will employ 3 to 5 people for the duration of the project. They will travel to the project site primarily along U. S. Highway 101. Transport vehicles for the equipment and supplies will create some impacts on traffic, but these events will be brief. These trips will not create significant impacts on traffic flows and highway systems.

#### M.2 Parking

No new parking facilities will be necessary since there will only be one or two vehicles parked near the project site.

#### M.3 Impacts On Transportation Systems

Work crews will utilize existing road systems to gain access to the project site. There will be no need for additional transportation systems.

#### M.4 Transportation Patterns

The number of personnel for the project will be small. It will not affect transportation patterns in the area.

#### M.5 Water, Air, Rail Traffic

There will be no alterations to water, air or rail traffic.

## N.1 Fire Protection

See discussion of fire potential under "J.1", Risk Of Upset

## N.2-6 Other Public Services

Because of the small size and local nature of the work force, implementation of the project will not result in any population changes. Therefore, it is anticipated that no new significant demand for public services will occur as a result of this proposed project.

## O. Energy

Because of the limited scope of the proposed project, substantial use of fuel or energy will not be required.

## P.1 Electricity Or Natural Gas

An outside source of electricity will not be needed. Natural gas will not be used.

## P.2 Communications

The project will use normal telephone communication systems.

## P.3 Water

The project will use a small amount (approximately 100 barrels for each well) of ocean water for cleaning out the well casings. After the water has been used in this process, it will be stored in a tank onshore, along with any oil from a well. The water, and any oil, will be transported to a suitable landfill.

## P.4 Sewage

Sewerage facilities will be furnished with portable chemical toilets on site. There will not be any other sewer facilities required.

## P.5 Storm Water Drainage

Storm water drainage from the rig floor will flow into a catch basin. The rig floor is the only area that will be affected by a storm where drainage is concerned.

## P.6 Solid Waste

Solid waste such as pipe, wood, parper, rubber, etc. will be hauled by truck to a landfill.

#### Q.1-2 Human Health

See J.1 for a discussion of the impacts to human health.

#### R.1 Aesthetics

The use of the rig will not be visible from Highway 101 or to anyone living in the community except the people that live in the homes overlooking the beach and the people that use Lookout County Park or the beach.

Well clean out activities for this project will occur over a two month period. Once the work is completed the rig and equipment will be removed. The top of the casing of each well will not be exposed.

#### S.1 Recreation

The project is on a beach which is used year round by the people of the community. Lookout County Park is one of the few authorized beach access areas available in Summerland. However, the County Parks Department has indicated that the west end of the beach, where two of the wells are located, does not receive much use. The beach is not used for surfing. The rig will occupy an area of about 100 foot square which will be isolated from the public by ropes and a guard. In order to complete the abandonment work as fast as possible and work under the most favorable weather conditions, the work will have to be done during the summer/fall months. Because of the temporary nature of the project, there will be minimal impact on recreational opportunities or facilities.

#### T.1-4 Cultural Resources

There are no known prehistoric or historic structures located in the vicinity of the project site. There should be no impacts to historic structures. There are no known ethnically significant or religiously significant sites within the project vicinity.. The project should not have any impacts on cultural resources.

#### U.1 Environmental Quality

The project will create some minor impacts to the area. Because of the short duration of the activities and the mitigation built into the project plan, none of these impacts will cause a major degradation of the environment to the point of endangering a wildlife or plant species or people of the community.

The quality of life could improve because the properly abandonment of the wells will prevent seeping oil from interfering

with enjoyment of the beach by the public.

#### U.2 Environmental Goals

The goal is to prevent oil from fouling the beach and the adjacent ocean water and to provide a more clean environment for the people of the community.

#### U.3 Cumulative Impacts

There should not be any negative cumulative impacts but there could be some positive impacts. Oil, at times, is found on the beach and the surface of the ocean water in the vicinity of the leaking oil wells which is a detriment to the environment. The proper abandonment of the wells will reduce and may completely eliminate the environmental damage that is now taking place which is caused by the escaping oil.

#### U.4 Human Impacts

The project proposes activities which will cause minor impacts such as the prevention of the use of two small areas of the beach by the public for a month or two. These impacts are not considered significant to cause detrimental affects on the human populace.

#### MITIGATION MEASURES WHICH HAVE BEEN INCORPORATED INTO THE APPLICANT'S PROPOSED PROJECT.

The State Lands Commission has incorporated a number of mitigation measures into their project to reduce the potential environmental impacts.

A number of safety considerations are incorporated into the project. As mentioned earlier oil spill equipment and contract personnel will be available to contain and recover any oil that may be spilled into the ocean water and clean up any oil that may get onto the beach.

An agreement will be reached with the local fire department whereby they will respond in case there is a fire. In addition, fire prevention, blowout prevention and other safety aspects, plus training, are incorporated into the project.

Spectators will not be allowed near the work site during working hours or at night. The only people that will be allowed on or near the rig are contract and SLC employees. The contractor and his employees will be supervised by a SLC engineer at all times during working hours.

The structure that supports the rig will have skids attached to the base of its legs so as to do as little damage as possible when it is moved across the sand from one location to another. The tractor that moves the structure will be mounted on tracks to prevent damage also. The crane that sets the rig on top of the structure will be positioned on the road east of the sewer treating plant to prevent damage to the bluff soil or vegetation. The roads that lead from the top of the bluff to the beach which will be used by the contractor's personnel and equipment is paved.

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1972

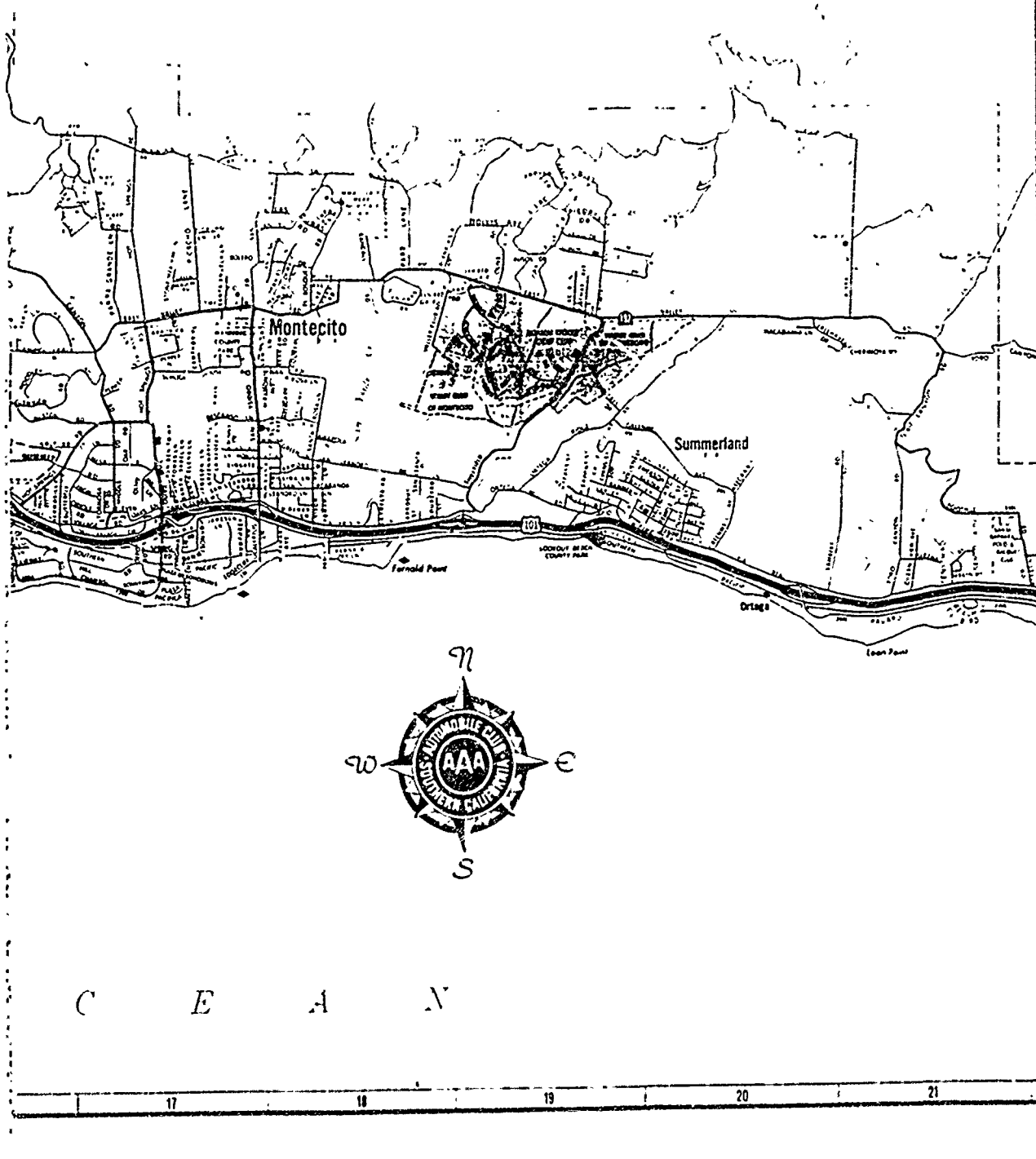


Figure 1.

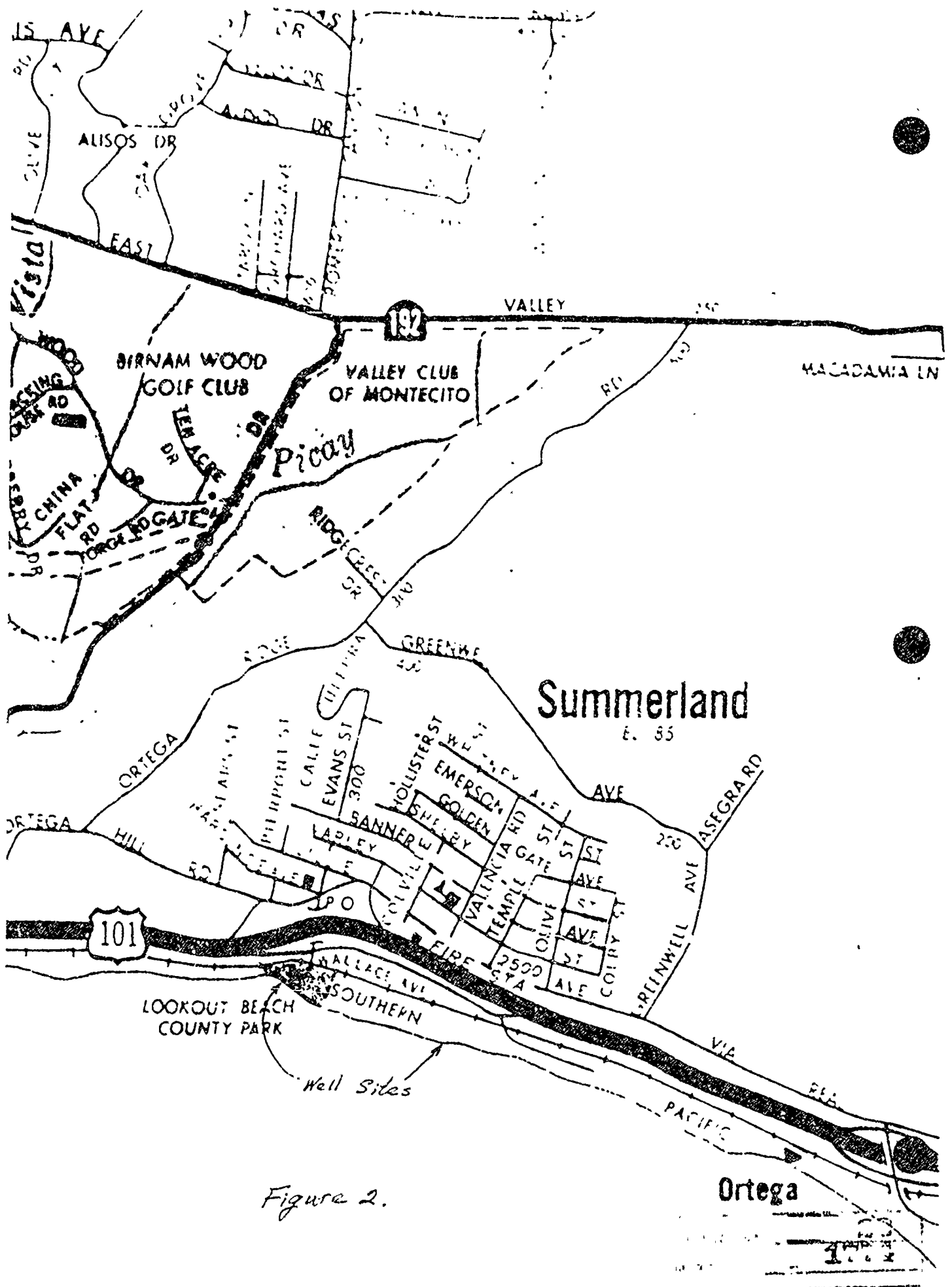
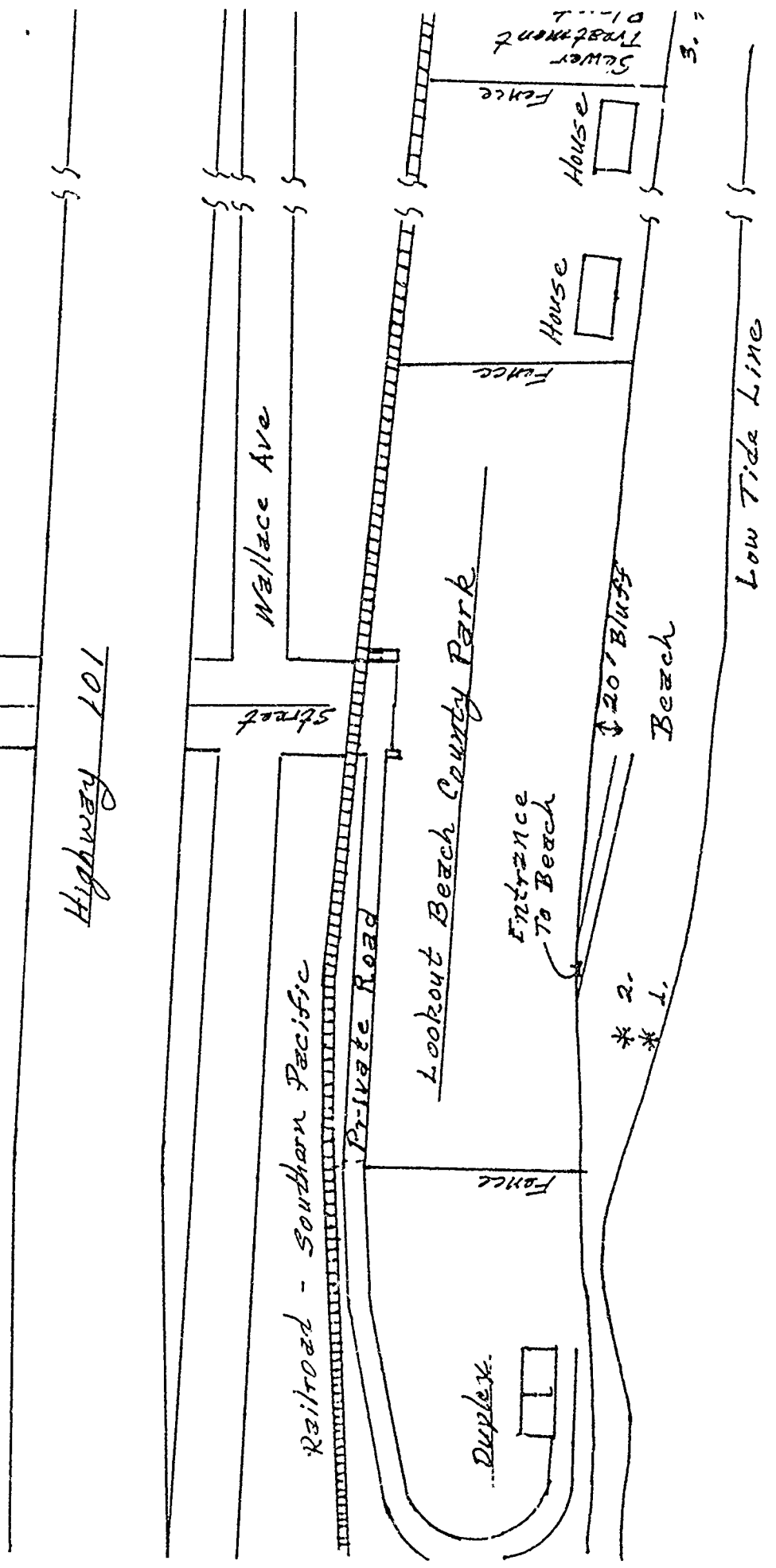


Figure 2.





\* Oil Wells

Figure 3.  
(Not to scale)

ATTACHMENT I  
EMISSIONS PROJECTION

CLEAN OUT, PLUG AND ABANDON  
OIL WELLS ON SUMMERLAND BEACH  
SANTA BARBARA COUNTY

1.0 INTRODUCTION

1.1 PURPOSE

The purpose of this document is to project the quantity of NOX emissions which will be produced by the combustion engines used in the execution of the well abandonments. The NOX emission projections are broken down by project phase:

- 1.1.1 On-Site Mobilization - This phase is comprised of the activities involved in the transport and setup of the well abandonment and plugging equipment at the beach work site at Summerland, California. The equipment and associated NOX emissions projected in this section include trucking of equipment to the site, equipment used to erect the abandonment skid and equipment used to pull the abandonment skid to first well site.
- 1.1.2 Abandonment of Wells #1, #2 and #3 - This phase is comprised of the activities involved in cleaning out and properly plugging oil wells #1, #2 and #3. These wells are located approximately at the mean low water mark on the beach. Included in these activities are the actual abandonment operations, occasional resupply with light trucks, movement of the abandonment skid from one well to the next and movement of support equipment on the bluffs overlooking the site.
- 1.1.3 On Site Demobilization - This phase is comprised of the activities involved in the breakdown and removal of well abandonment equipment from the work site at the conclusion of the abandonment operations. This includes crane service and trucking during the demobilization activities.

1.2 WORK HOURS

A project schedule of 8 hour work days and five day work weeks is planned.

### 1.3 EMISSION FACTORS

This projection provides a detailed list of combustion engines which will be used in each of the above phases. Although engine types and approximate horsepower are known at this time, specific engines have not been chosen and, therefore, serial numbers, certifications and degree of timing retard are not yet available.

The emission factor references, on which this projection are based, are as follows:

<u>Code#</u>	<u>Reference Name</u>	<u>Reference</u>	<u>NOx lb/10<sup>3</sup> gal</u>
1)	Stationary Industrial Small Bore Diesel	AP-42, Vol I, Table 3.3-1	469
2)	Stationary Industrial Large Bore Diesel	AP-42, Vol I, Table 3.4-1	500
4)	Miscellaneous Heavy Duty Diesel Construction	AP-42, Vol I, Table II-7.1	368.01

AP-42, Vol I, Table 3.3-1  
AP-42, Vol I, Table 3.4-1  
AP-42, Vol I, Table II-7.1

## 2.0 ON-SITE MOBILIZATION

### 2.1 SCOPE OF WORK

IDS will modify and adapt an existing abandonment skid at its facilities in Oxnard, California for use on this project. Once completed, this rig will be trucked to the work site for mobilization and erected on the beach with crane support from the bluff. This skid is constructed with skid feet which allow it to be pulled across the sandy beach to each well location with a minimum of disturbance to the sand.

The abandonment rig will be a "Failing 1500" or equivalent. This is a compact, lightweight rig which is ideally suited to the project requirements. It will also be trucked to location. Once on location, it will be placed atop the abandonment skid described above. Mud tanks will be positioned appropriately on the overlooking bluffs while rig power and mud pump power will be provided by two diesel engine drivers each producing less than 90 continuous B.H.P.

A bulldozer will be used to pull the skid/frame to each well. The bulldozer will be demobilized between moves.

The crew size, including supervisors, will be approximately 11 people for this phase. At least five people out of this 11 person crew will stay in a motel near the beach site, thereby substantially reducing the workers commuting to and from the worksite.

### 2.2 TABLE 1 - NOX PROJECTION DURING ON-SITE MOBILIZATION

The following table lists the total NOX emissions which are projected for this phase. This projection is limited to equipment used in Santa Barbara County:

CODE #:	EQUIPMENT:	ENGINE TYPE:	APPROX. HP	TOTAL HOURS ENGINE USE	GALS. PER HOUR	TOTAL POUNDS OF NOX
4	Trucks hauling equipment to site.	Diesel	150	5	6	11.04
4	Welding machines used in assembling equipment.	Diesel	75	96	3	105.98
1	Crane to lift and erect equipment.	Diesel	175	24	10	112.56
2	Bulldozer to move skid to first well site.	Diesel	350	8	15	60.00
TOTAL POUNDS NOX THIS PHASE:						289.58

### 3.0 CLEAN-OUT, PLUG & ABANDON BEACH WELLS #1, #2 AND #3

#### 3.1 SCOPE OF WORK

At the completion of the previous mobilization phase, the abandonment skid will be placed directly over the first well to be abandoned. The abandonment rig will then be used to clean out the well, properly plug it with cement and cut off the well casing below sandline. Once the abandonment is completed, the bulldozer will tow the abandonment skid to the next well location and the process will be repeated until all scheduled wells are abandoned.

The crew size, including supervisors, will be approximately 8 people for this phase. At least five people out of this 8 person crew will stay in a motel near the beach site, thereby substantially reducing the workers commuting to and from the worksite.

#### 3.2 TABLE 2 - NOX PROJECTION DURING WELL ABANDONMENT

The following table lists the total NOX emissions which are projected for this phase. This projection is limited to equipment used in Santa Barbara County:

CODE #:	EQUIPMENT:	ENGINE TYPE:	APPROX. HP	TOTAL HOURS ENGINE USE	GALS. PER HOUR	TOTAL POUNDS OF NOX
4	Trucks hauling equipment to site.	Diesel	150	4	6	8.83
1	Engine to power abandonment rig	Diesel	90	72	5	168.84
1	Engine to power mud pump.	Diesel	90	72	5	168.84
1	Crane to move equipment on bluff.	Diesel	175	16	10	75.04
2	Bulldozer to move skid to 2nd & 3rd well site.	Diesel	350	2	16	64.00
TOTAL POUNDS NOX THIS PHASE:						485.55

1519

#### 4.0 ON-SITE DEMOBILIZATION

##### 4.1 SCOPE OF WORK

Upon completion of the well abandonment phase, the skid will be moved back to the mobilization site and all equipment will be demobilized. A crane will be used to disassemble the skid and equipment and load the equipment on trucks for transportation back to Oxnard.

The crew size, including supervisors, will be approximately 11 people for this phase. At least five people out of this 11 person crew will stay in a motel near the beach site, thereby substantially reducing the workers commuting to and from the worksite.

##### 4.2 TABLE 3 - NOX PROJECTION DURING DEMOBILIZATION

The following table lists the total NOX emissions which are projected for this phase. This projection is limited to equipment used in Santa Barbara County:

CODE #:	EQUIPMENT:	ENGINE TYPE:	APPROX. HP	TOTAL HOURS ENGINE USE	GALS. PER HOUR	TOTAL POUNDS OF NOX
4	Trucks hauling equipment from site.	Diesel	150	5	6	11.04
1	Crane to disassemble and load the equipment.	Diesel	175	16	10	75.04
2	Bulldozer to move skid back to mobilization site.	Diesel	350	8	15	60.00
TOTAL POUNDS NOX THIS PHASE:						146.08

23  
1992

## 5.0 SUMMARY

### 5.1 TOTAL PROJECTED NOX EMISSIONS

The total projected NOX emissions from this project are as follows:

Phase 1,- Mobilization:	289.58#
Phase 2 - Abandon Wells #1, #2 and #3:	485.55#
<u>Phase 3 - Demobilize:</u>	<u>146.08#</u>
Total Project NOX Emissions:	921.21#

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10:04

MITIGATION MONITORING PLAN  
SUMMERLAND BEACH WELL ABANDONMENT

1. Impact: The project will generate additional noise from construction activities and equipment.

Project Modification: The rig crew will work only during daylight hours between 8:00 A.M. and 6:00 P.M., to limit disturbance to area residents and the public from increased noise.

Monitoring: SLC inspectors will verify actual working hours.

2. Impact: There is a small possibility of an upset and oil spill during the clean-out of the wells.

Project Modification: During the clean-out operation, a blowout preventor will be installed on the top of the well casing and maintained in proper working order by the rig crew.

Oil spill containment and clean up equipment will be available on the work site.

Monitoring: Prior to the commencement of operations, an Oil Spill Contingency Plan, prepared by the Division of Mineral Resources Management, SLC and approved by the staff of the California Coastal Commission, shall be provided to the contractor. The contractor shall acknowledge receipt of the Plan and certify that operations will be conducted in accordance with its provisions. The oil spill prevention equipment, for example, the blowout preventor, will be inspected to ensure that it is in working order at all times, and that drilling crews are trained in its use.

SLC inspectors will ensure that the proper containment and clean up materials are present while the work is in progress.

3. Impact: While the project is located on a portion of the beach that is not heavily used, the equipment and operation pose a danger to spectators or others using the beach.

Project Modifications: The equipment and tanks on shore will be fenced off and a 24 hour security guard will be employed to prevent spectators from coming near the equipment, tanks or rig. The fencing will not affect the public's access to the beach.

Monitoring: SLC inspectors will ensure that the fence is in place and in good condition and verify security arrangement throughout project operations.