

MINUTE ITEM
This Calendar item No. 32
was approved as Minute Item
No. 32 by the State Lands
Commission by a vote of 2
to 0 at its 3-2-88
meeting.

CALENDAR ITEM

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03/02/88
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APPROVAL OF A GEOPHYSICAL SURVEY PERMIT FOR STATE-OWNED
TIDE AND SUBMERGED LANDS IN THE SAN JOAQUIN DELTA
SAN JOAQUIN COUNTY

APPLICANT: CGG American Services, Inc.
Attn.: Mr. Jim Prossick
P. O. Box 488
Thornton, California 95686

PROPOSED AUTHORIZATION:

Approval of a Geophysical Survey Permit to
conduct geophysical seismic studies along three
lines totaling 22.5 miles in length crossing
private uplands and State-owned waterways in
the San Joaquin Delta Area of San Joaquin
County.

TYPE OF LAND:

The State lands subject to this permit are
those tide and submerged lands in the waterways
crossed by the three seismic survey lines. The
major waterways include the San Joaquin River
and the Stockton Deep Water Channel.

TERM:

The term of the Geophysical Survey Permit shall
be from March 1, 1988 through May 31, 1989.

PROJECT:

CGG American Services, Inc. has proposed
conducting a geophysical seismic survey in the
San Joaquin Delta Area of San Joaquin County.
The survey will be performed in three lines
totaling approximately 22.5 miles as shown in
the accompanying map of Exhibit "A". The
survey line will cross privately owned uplands
and portions of State-owned waters.
Approximately 1,082 four-inch diameter holes
will be drilled on 165-foot centers to a depth

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of 50-100 feet. The holes may be loaded with a five-pound explosive charge and/or geophone instrumentation. The hole will be backfilled with bentonite to seal the hole.

CGG is coordinating this project with all the affected land owners, trustee agencies, such as the Department of Fish and Game and Reclamation Districts, and other permitting and responsible local agencies listed in Attachment D of the Negative Declaration, Exhibit "B".

Special operating conditions have been developed by the Reclamation Districts and the Department of Fish and Game to eliminate any hazard to the levees, wildlife and habitat crossed by the survey lines and are reflected in the survey as proposed. Special permits and monitoring of the operations by Department of Fish and Game (DFG) personnel will be required for sensitive areas as determined by DFG. The geophysical information to be acquired is for the use of the oil and gas industry and possibly may benefit the State as an aid in development of the State's resources from adjacent private lands.

BOND: Applicant will submit a faithful performance bond of \$25,000 in favor of the State.

STATUTORY REFERENCES:

- A. P.R.C. 6826.
- B. 14 Cal. Adm. Code, Title II, Article 2.9, Section 15250 et. seq.
- C. P.R.C. 21080.5 and CEQA Guidelines, Section 15250 et. seq.

AB 884: 06/01/88.

OTHER PERTINENT INFORMATION:

1. Pursuant to the Commission's delegation of authority and the State CEQA Guidelines (14 Cal. Adm. Code 15025), the staff has prepared a Negative Declaration EIR ND 432, State Clearing house #88010507. The Negative Declaration was prepared and

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circulated for public review pursuant to the provision of the CEQA. A copy of this environmental document is attached as Exhibit "B".

Based upon the initial study, the 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 Cal. Adm. Code 15074(b)).

2. This activity involves lands identified as processing significant environmental values pursuant to P.R.C. 6370 et. seq. Based upon the staff's consultation with the Department of Fish and Game and through the CEQA review process, it is the staff's opinion that the project, as proposed, is consistent with the use classification.

EXHIBITS:

- A. Survey Location Map.
- B. Negative Declaration.

IT IS RECOMMENDED THAT THE COMMISSION:

1. CERTIFY THAT A NEGATIVE DECLARATION EIR ND 432 STATE CLEARINGHOUSE #88010507 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 THE PROJECT, AS PROPOSED, WILL NOT HAVE A SIGNIFICANT EFFECT ON THE ENVIRONMENT.
3. FIND THAT THIS ACTIVITY IS CONSISTENT WITH THE USE CLASSIFICATION DESIGNATED FOR THE LAND PURSUANT TO P.R.C. 6383 ET. SEQ.
4. AUTHORIZE THE ISSUANCE TO CGG AMERICAN SYSTEM, INC. OF A PERMIT TO CONDUCT GEOPHYSICAL SEISMIC SURVEYS ON STATE-OWNED TIDE AND SUBMERGED LANDS IN THE SAN JOAQUIN DELTA AREA OF SAN JOAQUIN COUNTY FOR THE PERIOD OF MARCH 1, 1988 THROUGH MAY 31, 1989.

STATE OF CALIFORNIA

GEOFFREY DEUKMEJIAN, Governor

STATE LANDS COMMISSION

LEO T. MCCARTHY, Lieutenant Governor
 GRAY DAVIS, Controller
 JESSE R. HUFF, Director of Finance

EXECUTIVE OFFICE
 1807 - 13th Street
 Sacramento, California 95814
 CLAIRE T. DEDRICK
 Executive Officer



December 28, 1987
 File Ref: W 6005.9

NOTICE OF INTENT TO ADOPT NEGATIVE DECLARATION
 (Section 21092 PRC)

An application for the following described project is currently being processed by the staff of the State Lands Commission:

Project Title: CGG McDonald Island Seismic Survey
 Project Proponent: CGG American Services, Inc.
 Project Location: San Joaquin Delta, San Joaquin County
 Project Description: A seismic survey is proposed on three separate lines, totaling 22.58+ miles, and using 1,082 collection points. Each shot hole will be drilled to a depth of 50-100 feet. A down hole hydrophone, "phonyx" and 5 lb. charge will be loaded in each hole, and the holes will be sealed with bentonite.

Contact Person: Dan Cohen Telephone: (916) 324-8497

A Negative Declaration identified as EIR ND 432 has been prepared pursuant to the requirements of the California Environmental Quality Act.

The above described document will be considered for adoption at a regular meeting of the STATE LANDS COMMISSION scheduled for February 18, 1988, at 10:00 a.m., State Capitol, Room 447, Sacramento, California. Anyone interested in this matter is invited to comment on the document by written response prior to the meeting or by personal appearance at the meeting. Persons wishing to appear at the meeting should call (916) 322-4107 so that time can be allotted for such appearance.

CLAIRE T. DEDRICK
 Executive Officer

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STATE OF CALIFORNIA
STATE LANDS COMMISSION

EXECUTIVE OFFICE
1807 - 13th Street
Sacramento, California 95834

Date: December 30, 1987

File Ref.: W 6005.9

SCR No.:

TO: ALL INTERESTED PARTIES/AGENCIES

SUBJECT: Review of Negative Declaration Pursuant to Section 15073 of the State CEQA Guidelines (14 Cal. Adm. Code)

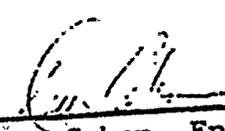
An application is currently being processed by the staff of the State Lands Commission for the following described project:

Project Title: CGG McDonald Island Seismic Survey
Project Proponent: CGG American Services, Inc.
Project Location: San Joaquin Delta, San Joaquin County

Project description: A seismic survey is proposed on three separate lines, totaling 22.58+ miles, and using 1,082 collection points. Each shot hole will be drilled to a depth of 50-100 feet. A down hole hydrophone, "phonyx" and 5 lb. charge will be loaded in each hole, and the holes will be sealed with bentonite.

A Negative Declaration has been prepared for the project pursuant to the requirements of Section 15070 of the State CEQA Guidelines and is attached for your review. Your comments are requested by February 2, 1988. Please address your comments to the State Lands Commission office shown above, with attention to the undersigned. Should you have any questions, you may call me at (916)24-8497. Your cooperation in this matter is greatly appreciated.

ATTACHMENT


Dan Cohen, Env. Coordinator
Division of Research
and Planning

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PROPOSED NEGATIVE DECLARATION

RIR ND 432

File Ref.: W.6005.9

SCH#:

Project Title: CGG McDonald Island Seismic Survey
Project Proponent: CGG American Services, Inc.
Project Location: San Joaquin Delta, San Joaquin County

Project Description: A seismic survey is proposed on three separate lines, totaling 22.58+ miles, and using 1,082 collection points. Each shot hole will be drilled to a depth of 50-100 feet. A down hole hydrophone, "phonyx" and 5 l.b. charge will be loaded in each hole, and the holes will be sealed with bentonite.

Contact Person: Dan Cohen

Telephone: 916/324-8497

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 regulation (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.

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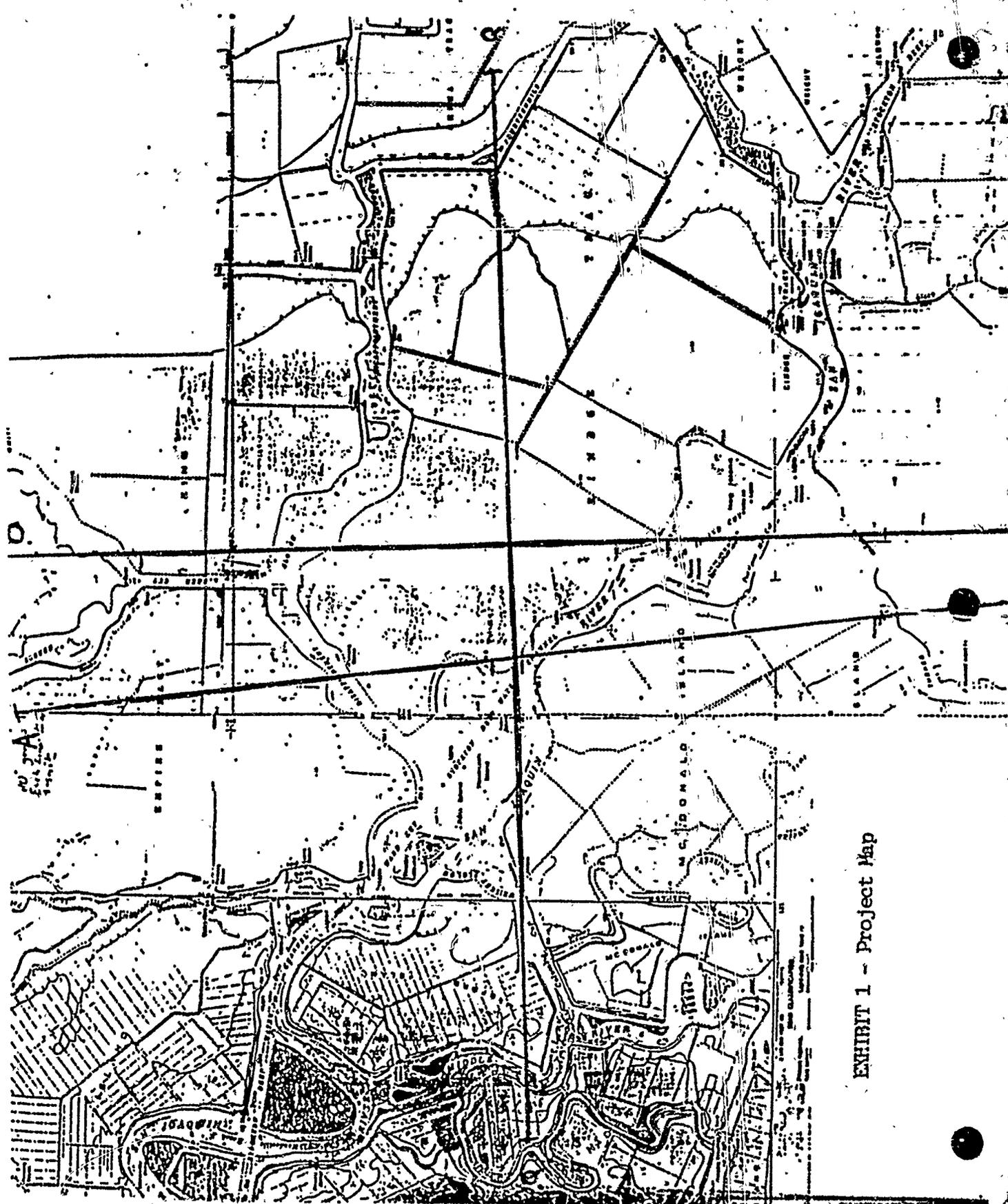


EXHIBIT 1 - Project Map

EXHIBIT 2

DETAILED LINE LOCATIONS

GENERAL

In all cases except for the channel islands water crossings will be over improved levee banks in most cases covered by rip rap. The majority of the project is over a wide variety of agricultural concerns located on Terminous Tract, Empire Tract, King Island, Rindge Tract, Shima Tract, Medford Island, Mandaville Island, McDonald Island and Roberts Island.

Line A

The line is 7.5± in length with a North to South orientation. It begins on the NE corner of Empire Tract as designated on the enclosed map. The line extends south 12500'± crossing Eightmile Road 4000'± West of it's intersection with Honker Cut. Continuing South for 4300'± the line crosses Disappointment Slough. The water crossing would be for 1000'± over open water and across the tip of a small tule. The line then extends across the agriculture of Rindge Tract for 3400'±. The line then enters a bend in the San Joaquin River for 1600'± reentering Rindge Tract. This is an open water crossing. The line continues across Rindge Tract for an additional 1609'± entering the San Joaquin River just SE of it's intersection with Headreach Island. This would be an open water crossing of 900'±. Continuing South the line crosses McDonald Island, leaving the Island and crossing Turner Cut at a point 5000'± west of Acker Island. This would be an open water crossing of 500'±. The line then continues to the South for 4800'± ending on Roberts Island, as indicated on the project map.

Line O

This line is 7.58± miles in length with a North to South orientation. It begins on Terminous Tract 3900'± North of White Slough as shown on the project map. The water crossing on White Slough would be in open water for 1000'±. Taking place 1700'± SE of the intersection of Honker Cut and White Slough. Continuing over the agriculture of King Island the line enters Disappointment Slough at a point 1000'± East of it's intersection with Honker Cut. The water crossing is for 2200'± over open water and through tule banks. Upon entering Rindge Tract the line continues south over crop lands for 12800'±. The line enters the eastern bend of the San Joaquin NE of Hog Island. It would be a 300'± crossing over open water. The line then enters the marsh lands of Hog Island for 800'±, crossing the open water of Hog Island Cut for 1400'± and then continuing across the marsh lands of the southern tip of Spud Island for 1400'±. It then enters Twentyone Mile Cut for an open water crossing of 400'±, extending across the agriculture of McDonald Island for 2800'±. The line leaves the island entering Turner Cut 1500'± west of Acker Island. The water crossing would be 500'± over open water. Entering Roberts Island the line extends 6500'± to the south across a variety of crops ending as indicated on the project map.

Line Q

The line is 7.50± miles in length with an East to West orientation. The line starts in the east on Shima Tract 2700'± East of Fourteenmile Slough. The water crossing for Fourteenmile Slough is for 1000'± across open water a small tule island located in the center of the waterway. Entering Rindge Tract 4500'± south of the intersection of Disappointment Slough and Fourteenmile Slough the line extends across crop lands to the west for 18600'±. The line then enters the San Joaquin River extending across the Stockton Deep Water Channel over open water for 1100'±. It then extends across the marsh lands of Tule Island for 2000'± and continuing across open water and marsh of Headreach Cutoff for 1600'±. The line then crosses the open water of the San Joaquin River for 800'±, crossing McDonald Island for 3000'± and continuing across the open water of Columbia Cut for 2500'± just west of it's intersection with Whiskey Slough. Once on Medford Island the line extends westward for 3900'± crossing the open water of Middle River for 1100'±. The line continues onto Mandaville Island for 2000'± ending as indicated on the project map.

EXHIBIT 3 - MODE OF OPERATIONS

The majority of this survey will be conducted on private property, mainly agricultural. Operations on land will include the use of buggy mounted drills, with pickup truck support and some use of helicopters for transportation of equipment and personnel. The project is scheduled to begin in late February.

For this project CGG will be using a down hole phonyx system to collect it's geophysical data. This will require the drilling of data collection points every 110' along our predetermined line location. Each data collection point will be drilled to a depth of 50' on land and 100' below the bottom of any watercourse. The holes will be loaded with a phonyx phone (a sensing device) and a 5 lbs. charge. The only exceptions to this procedure are noted in the cover letter and Exhibit 4. All holes will be filled immediately after drilling with a bentonite solution. Drilling and plugging procedures will follow all OSHA and California Oil and Gas Commission Standards.

The seismic signal generated by the phonyx phone will be transmitted to CGG's recording device by a series of Telemetry Sending Units (TSU). Each TSU consists of a 30" high, watertight, metal cylinder weighing 22 lbs and equipped with an antenna. A TSU will be positioned at each data collection point and hooked up to the individual phonyx phone. The TSU will be fitted with a tripod on land and a buoy in the water. This system allows the seismic signal to be transmitted by radio frequency, alleviating the need for seismic cables.

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EXHIBIT 4 - OPERATIONS IN VICINITY OF LEVEES

- 1.) No hole loaded with a charge shall be closer than 250' from the center of the levee crown on the land or water side of the levee.
- 2.) No hole loaded with a geophone only (no charge) shall be drilled closer than 165' from the center of the levee crown on the land or water side of the levee.
- 3.) A hole loaded with a geophone only may be drilled in the center of the levee crown.

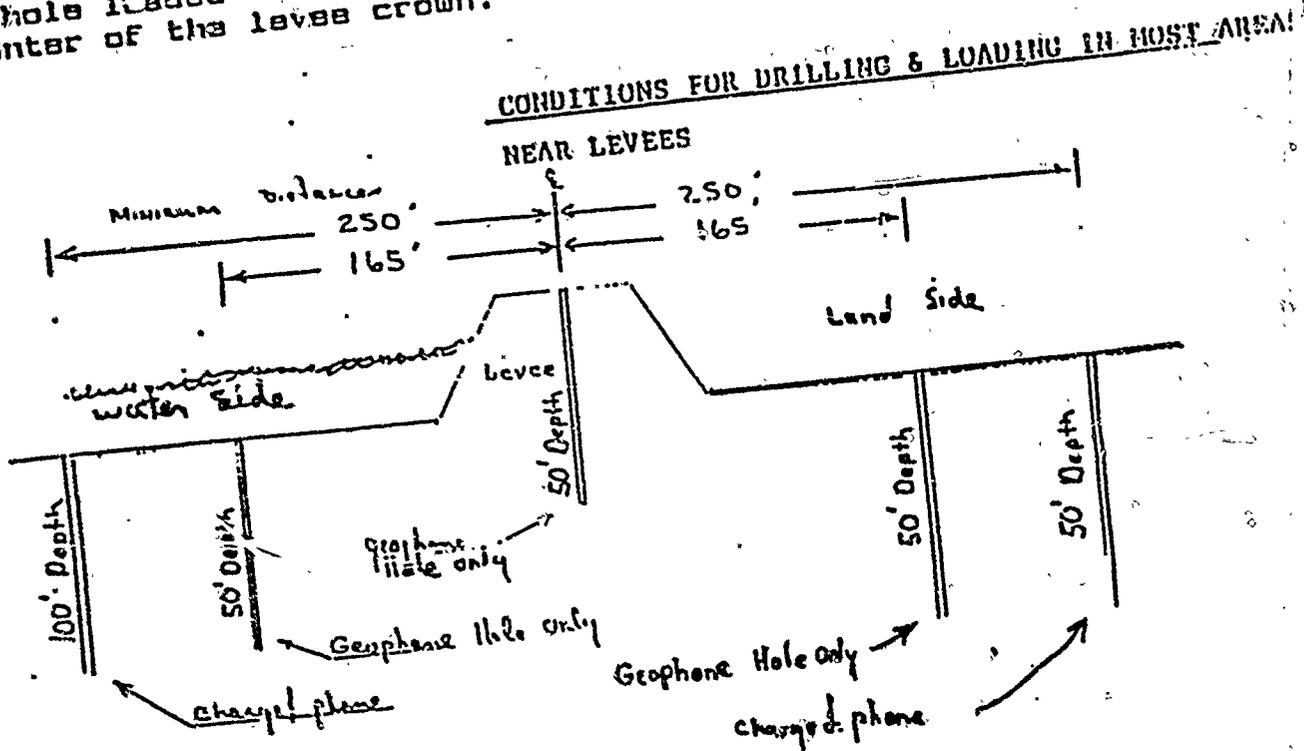


EXHIBIT 5 - REQUIRED GOVERNMENT AND ADMINISTRATIVE PERMITS

- 1.) Department of Fish and Game
- 2.) Stockton Port District
- 3.) Department of The Army
- 4.) Department of Water Resources
- 5.) San Joaquin County Sheriffs Department
- 6.) Various Reclamation Districts
- 7.) San Joaquin Health District

EXHIBIT 6 - OPERATIONS ON WATERWAYS AND WITHIN MARSH LANDS

--A. Data collection points loaded with a charge and a phonyx phone shall be drilled to a 100' depth below the bottom of any body of water or watercourse. Data collection points that are not loaded with a charge and are loaded with a phonyx phone only will be drilled to a depth of 50' depth below the bottom of any body of water or watercourse. The method for drilling the data collection points shall be through the use of a pontoon drill, which is self propelled and which enters and exits the water at approved locations.

--B. In order to place our sensing equipment from levee to levee or in open water it will be necessary to place by hand a series of TSU's. Each TSU will be placed in a buoy shell and connected to a phonyx phone. In most cases this will be done from a large work boat launched at approved locations. In some cases where there are narrow water crossings or when a boat is not already launched, it may be necessary to hand carry from a pickup truck on the levee a 12-15' aluminum boat to transport the TSU system into the water. No alteration to the stream bed will occur in either case. Any equipment entering or exiting the water will do so at locations approved by the Department of Fish and Game or it's observer.

--C. For this project there will be no need to use heavy equipment, drilling operations or explosives in any riparian area or marsh wetlands. In areas where marsh lands are encountered a weighted phonyx phone or marsh phones will be used in place of the down hole phonyx phone.

--D. Any explosive operations will be conducted pursuant to permits from the Department of Fish and Game and local counties. Unless otherwise authorized by the Department of Fish and Game there will be no use of explosives in any marsh land or watercourse during the months of April, May, June, September or October.

ENVIRONMENTAL IMPACT ASSESSMENT CHECKLIST - PART II
Form 12-20 (7/82)File Ref.: W6005.9

I. BACKGROUND INFORMATION

A. Applicant: OGG American Services Inc.P.O. Box 488Thornton, CA. 95686B. Checklist Date: 11 1 27 1 87C. Contact Person: James P. Prociak DAN COHENTelephone: ~~800-794-2882~~ (916) 324-8497D. Purpose: Geophysical SurveyE. Location: See Exhibit 1F. Description: See Exhibit 2G. Persons Contacted: See Exhibit 5

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

A. *Earth*. Will the proposal result in:

- | | Yes | Maybe |
|---|-------------------------------------|--------------------------|
| 1. Unstable earth conditions or changes in geologic substructures? | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Disruptions, displacements, compaction, or overcovering of the soil? .. See Exhibit 3 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Change in topography or ground surface relief features? | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. The destruction, covering, or modification of any unique geologic or physical features? | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Any increase in wind or water erosion of soils, either on or off the site? | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Changes in deposition or erosion of beach sands, or changes in siltation, deposition, or erosion which may modify the channel of a river or stream or the bed of the ocean or any bay, inlet, or lake? | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Exposure of all people or property to geologic hazards such as earthquakes, landslides, mudslides, ground | <input type="checkbox"/> | <input type="checkbox"/> |

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Yes Maybe No

B. Air. Will the proposal result in:

- 1. Substantial air emissions or deterioration of ambient air quality? Yes Maybe No
- 2. The creation of objectionable odors? Yes Maybe No
- 3. Alteration of air movement, moisture or temperature, or any change in climate, either locally or regionally? Yes Maybe 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 Maybe No
- 2. Changes in absorption rates, drainage patterns, or the rate and amount of surface water runoff? Yes Maybe No
- 3. Alterations to the course or flow of flood waters? Yes Maybe No
- 4. Change in the amount of surface water in any water body? Yes Maybe No
- 5. Discharge into surface waters, or in any alteration of surface water quality, including but not limited to temperature, dissolved oxygen or turbidity? See Exhibit 6 Yes Maybe No
- 6. Alteration of the direction or rate of flow of ground waters? Yes Maybe No
- 7. Change in the quantity of ground waters, either through direct additions or withdrawals, or through interception of an aquifer by cuts or excavations? Yes Maybe No
- 8. Substantial reduction in the amount of water otherwise available for public water supplies? Yes Maybe No
- 9. Exposure of people or property to water-related hazards such as flooding or tidal waves? Yes Maybe No
- 10. Significant changes in the temperature, flow or chemical content of surface thermal springs? Yes Maybe 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 Maybe No
- 2. Reduction of the numbers of any unique, rare or endangered species of plants? Yes Maybe No
- 3. Introduction of new species of plants into an area, or in a barrier to the normal replenishment of existing species? Yes Maybe No
- 4. Reduction in acreage of any agricultural crop? See Exhibit 2 & 3 Yes Maybe 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, benthic organisms, or insects)? Yes Maybe No
- 2. Reduction of the numbers of any unique, rare or endangered species of animals? Yes Maybe No
- 3. Introduction of new species of animals into an area, or result in a barrier to the migration or movement of animals? Yes Maybe No
- 4. Deterioration to existing fish or wildlife habitat? Yes Maybe No

F. Noise. Will the proposal result in:

- 1. Increase in existing noise levels? See Exhibit 3 & 6 Yes Maybe No
- 2. Exposure of people to severe noise levels? Yes Maybe No

G. Light and Glare. Will the proposal result in:

- 1. The production of new light or glare? Yes Maybe No

H. Land Use. Will the proposal result in:

- 1. A substantial alteration of the present or planned land use of an area? Yes Maybe No

I. Natural Resources. Will the proposal result in:

- 1. Increase in the rate of use of any natural resources? Yes Maybe No
- 2. Substantial depletion of any nonrenewable resources? Yes Maybe No

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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? See Exhibit 3 & 6.
- 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.

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T. Cultural Resources.

- | | Yes | Maybe | N |
|---|--------------------------|--------------------------|-------------------------------------|
| 1. Will the proposal result in the alteration of or the destruction of a prehistoric or historic archeological site? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Will the proposal result in adverse physical or aesthetic effects to a prehistoric or historic building, structure, or object? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Does the proposal have the potential to cause a physical change which would affect unique ethnic cultural values? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Will the proposal restrict existing religious or sacred uses within the potential impact area? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

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

II. DISCUSSION OF ENVIRONMENTAL EVALUATION (See Comments Attached)

See Enclosed documents

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: 12 1 23 187

John C. Cole
 For the State Lands Commission

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ENVIRONMENTAL IMPACT ASSESSMENT FORM - Part I
(To be completed by applicant)
FORM 69.3(11/82)

A. GENERAL INFORMATION

1. Name, address, and telephone number:

a. Applicant

CGG American Services Inc.

P.O. Box 488

Thornton, CA. 95686

(209) 794-2382

b. Contact person if other than applicant:

James F. Prossick

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

See Exhibit 1 & 2

b. Assessor's parcel number: Not Available

3. Existing zoning of project site: Agriculture

4. Existing land use of project site: Farm Lands, Marsh or Waterways

5. Proposed use of site: Geophysical Survey

6. Other permits required: SEE Exhibit 5

3. PROJECT DESCRIPTION

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

2. For non-building construction projects: Describe fully, the proposed activity, its purpose and intended use, e.g. for mining or 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.

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? <i>Drilling Operations See Exhibit 3 & 6</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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? <i>See Exhibit 3 & 6</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 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: 12/23/87

Signed: *[Signature]*
For Applicant

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STATE LANDS COMMISSION
 215 WEST BROADWAY, SUITE 425
 LONG BEACH, CALIFORNIA 90802 4471
 TELEPHONE: (213) 590-5201
 ATT: SUSAN LIVENICK



Date: 11/27/87

GEOPHYSICAL OR GEOLOGICAL SURVEY PERMIT APPLICATION

California State Lands Commission

This application is for a permit to conduct geophysical or geological surveys on lands under the jurisdiction of the State Lands Commission, pursuant to Public Resources Code Section 6826 et seq.

Any person who meets the requirements of Section 6801 of the Public Resources Code may apply to the State Lands Commission for a geophysical or geological survey permit. The application shall contain the following:

1. Name, address, and status of citizenship of applicant.

If applicant is a corporation, the corporate name and status, the name of the president, the secretary, and an officer authorized to execute contracts and leases and receive service of process. An example of the kind of authorization form is attached as an exhibit. Complete the appropriate column.

_____	CGG American Services Inc.
(Company/Institution Name)	(Corporate Name)
_____	Pierre Benichou
(Authorized Officer)	Vice (President)
_____	_____
(Address)	(Secretary)
_____	Pierre Benichou
_____	(Authorized Officer)
_____	Corporate 2500 Wilcrest
_____	Office Houston, TX 77042
_____	(Address)
_____	Calif. 699 Hampshire Rd., Suite 100A
_____	Office Westlake Village, CA. 91361
_____	Local P.O. Box 488
_____	Office Thornton, CA. 95686
_____	_____
(Telephone)	*****Please direct all correspondence to Local Office
_____	(209) 794-2382
_____	(Telephone)

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2. Permits are issued for several types of surveys, on various types of State-owned lands. Please identify the appropriate category of permit for which this application is submitted:

a. Purpose of Survey

- Geophysical Survey for Resource Evaluation
- Geophysical Scientific Research and/or Non-commercial Operations
- Geophysical Survey for Geotechnical Facility Design or Inspection
- Geological Survey for Resource Evaluation
- Geological Scientific Research and/or Non-commercial Operation
- Geological Survey for Geotechnical Facility Design or Inspection

b. Type of Survey and Equipment to be used

Survey

Equipment

- Seismic
- Gravity
- Magnetic
- Geologic Sample (boring or core)
- dart — percussion
- grab — rotary bit
- jet.
- Acoustic Pulse Generator
- Air
- Water
- Other _____
- Sparker
- Explosive Charge
- Other _____
- Other _____

c. Area of Survey

- Tide and Submerged Lands (offshore) between Mexican Border and Oregon Border
- Sovereign lands (inland)
Specific Location: See attached documents
- Proprietary Lands
Specific Location: See attached documents

Agency which manages surface: See attached documents

3. Geophysical and geological survey permits have certain standard terms and conditions. In addition to specifying that the permit are non-exclusive and requiring that the permittee obtain all applicable permits and obey all laws and regulations applicable to the conduct of operations under the permit, all geophysical and geological survey permits provide for specific notification procedures to alleviate use conflicts, require submission of field operations report including a post-plot 30 days after each survey is completed, require the permittee to submit all factual or physical exploration results requested by Commission staff, and require indemnity against third party claims. Offshore geophysical survey permits and permits involving use of explosive require a \$25,000 performance bond or letter of credit.

Permits are issued for various time periods, depending on locations and other uses of lands. A single geophysical permit for both deep seismic and high resolution work is normally issued for a period of three years on State Tide and Submerged Lands (offshore) from the Mexican Border to the Oregon Border. A single geological permit is normally issued for a period of three years for non-rotary geological sampling activities on State Tide and Submerged Lands (offshore) from the Mexican Border to the Oregon Border. The Commission has recently conducted programmatic environmental review for these two offshore permit programs. For any survey involving explosives, rotary coring or activities on inland sovereign or proprietary lands, a project-specific permit with a specified term will be issued after the Commission reviews the project for potential environmental impacts or land use conflicts. Please identify the permit for which this application is submitted.

- General Permit to Conduct Seismic Surveys on Tide and Submerged Lands (offshore)
- General Permit to Conduct Geological Surveys (offshore)
- Permit to Conduct Seismic Surveys on Sovereign (inland) or Proprietary Lands
- Permit to Conduct Geophysical Surveys Using Explosives
- Permit to take Geologic Samples using Rotary Core Drilling Techniques

4. For any permit involving sovereign lands (inland), proprietary lands, explosives or rotary borings, a detailed description of the project must be submitted. The description must include specific locations of activities, detailed maps, specific description of all equipment to be used, and the proposed dates of activities. In addition, a detailed description of the existing environment at the project site and an identification of all agencies which will permit or regulate the project must be submitted. The greater the level of detail submitted by the applicant, the more efficiently

and cost-effectively the application can be processed by Commission staff.

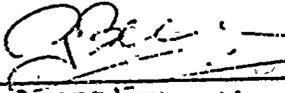
A nonrefundable filing fee of \$25.00 and a nonrefundable expense deposit of \$300.00 are required for each permit application.

5. In the course of processing the application, either prior to declaring it complete, or subsequent thereto, the applicant may be required to enter into a written reimbursement agreement to cover the environmental costs incurred by the Commission in preparing a negative declaration or an environmental impact report.

6. Signature and Certification.

All statements contained above on the attached application form and related exhibit are true and correct to the best of my knowledge and belief and are submitted under penalty of perjury.

Applicant: CGG American Services Inc.

By: 
(If Agent) Executive Vice President

Date: November 27th 1987