To: Chief, Office of Structural and Technical Support, Field Operations, GOM OCS Region (MS 5210)

From: Acting Regional Supervisor, Leasing and Environment, GOM OCS Region (MS 5400)

Subject: Site-Specific Environmental Assessment (SEA) Prepared for Structure-Removal Activities by Gulfstream Resources, Inc., Eugene Island Area, Block 90, Lease OCS 0229, SBA No. ES/SR 96-099

Gulfstream Resources, Inc.'s proposal to remove Platform No. 4 in the subject block has been reviewed. Our SEA for the subject action is complete and results in a Finding of No Significant Impact. This Finding is conditioned on the imposition of the following mitigative measure to ensure environmental protection, consistent environmental policy, and safety as required by the National Environmental Policy Act, as amended. This Finding is valid only insofar as this condition is imposed:

Our analysis indicates that there is/are existing pipeline(s) located within 150 meters (490 feet) of the proposed activities. The pipeline(s) may pose a hazard to the proposed operations. Precautions in accordance with NTL 83-3, Section IV.B, must be taken prior to performing the proposed operations.

Fishermen's Contingency Fund hang site data are not available since the computer system is inoperable.

(Orig. Sgd.) Joseph A. Christopher

Joseph A. Christopher

cc: 102-01a ENV-5-4b (MS 5440)
    Lease OCS 0229 POD File (MS 5032)
    √Public Information (MS 5034)

WBarton:96-099.sea

NOTED: SCHEXNAILDRE
UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
Gulf of Mexico OCS Region
New Orleans, Louisiana

FINAL
SITE-SPECIFIC ENVIRONMENTAL ASSESSMENT
ENDANGERED SPECIES/STRUCTURE REMOVAL
No. ES/SR 96-099

Structure-Removal Activity
Eugene Island Area, Block 90
(Lease OCS 0229)

May, 1996
UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
Gulf of Mexico OCS Region
New Orleans, Louisiana

FINAL
SITE-SPECIFIC ENVIRONMENTAL ASSESSMENT
ENDANGERED SPECIES/STRUCTURE REMOVAL
No. ES/SR 96-099

Assessment of the Environmental Impacts of the
Proposed Removal of Platform No. 4 in
Eugene Island Area, Block 90 (Lease OCS 0229)
by
Gulfstream Resources, Inc.
Date Submitted: May 14, 1996
Commencement Date: Upon Approval

Prepared by Warren J. Barton
FINDING OF NO SIGNIFICANT IMPACT

I have considered the proposal by Gulfstream Resources, Inc. to remove Platform No. 4 in Eugene Island Area, Block 90 (Lease OCS 0229), SEA No. ES/SR 96-099. Based on the environmental analysis and mitigation measure(s) contained in the site-specific environmental assessment, there is no evidence to indicate that the proposed action will significantly (40 CFR 1508.27) affect the quality of the human environment if the permit/application is approved subject to the mitigative measure(s). Preparation of an environmental impact statement is not required.

[Signature]
Analyst

20 MAY 96
Date

[Signature]
Chief, Environmental Operations Section
Leasing and Environment
Gulf of Mexico OCS Region

5/20/96
Date

[Signature]
Acting Regional Supervisor
Leasing and Environment
Gulf of Mexico OCS Region

5/20/96
Date
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INTRODUCTION AND BACKGROUND

The purpose of this Site-Specific Environmental Assessment (SEA) is to assess the specific impacts associated with proposed structure-removal activities. The SEA is based on a Programmatic Environmental Assessment (PEA) (USDOI, MMS, 1987) which evaluates a broader spectrum of potential impacts resulting from the removal of structures, e.g., platforms/caissons across the Central and Western Planning Areas of the Gulf of Mexico (GOM) Outer Continental Shelf. The PEA/SEA process is designed to simplify and reduce the size of environmental assessment documents by eliminating repetitive discussions of the same issues. This SEA conforms to the MMS and other appropriate guidelines for preparing environmental assessments by utilizing data presented in the PEA to complete the assessment. It presents site-specific data regarding the proposed structure removal and evaluates the removal's potential impacts. Preparation of this SEA has allowed the determination of whether a Finding of No Significant Impact (FONSI) is appropriate or whether further assessment of the proposal is necessary.

I. DESCRIPTION OF THE PROPOSAL AND NEED FOR THE PROPOSAL

A. DESCRIPTION OF THE PROPOSED ACTION

Gulf Resources, Inc. proposes to non-explosively remove Platform No. 4 in Eugene Island Area, Block 90 (Lease OCS 0229). The platform is located in a water depth of 22 ft. and lies approximately 18.5 mi. south of the Louisiana shoreline of Iberia Parish and 55.7 mi. southwest of Amelia, Louisiana. Presently, the well and the jacket legs are severed and the structure is removed at the mud line. The operator plans to use divers to locate and jet around the well and jacket legs and then the divers will sever the remaining casing and the four jacket legs and pilings at least 15 feet below the mud line.

Previously, MMS approved an application to use divers to remove the Round Barge with its five barge bumper pilings and a waiver was granted to postpone the site clearance and trawling operations since the Header Platform will be in place with navigation aids.

Since no explosives will be utilized during the proposed removal activities, the MMS has determined that sea turtles and marine mammals will not be affected. A Section 7 Consultation under the Endangered Species Act, as amended, will not be initiated.

Refer to Appendix A for structure specifications and additional information on the removal activities.
B. NEED FOR THE PROPOSED ACTION

A discussion of the legal and regulatory mandates to remove abandoned oil and gas structures from Federal waters can be found in the PEA referenced in the Introduction. The MMS Operating Regulations require wells to be properly abandoned and well casing strings to be removed when of no further utility to preclude multiple-use conflicts on the OCS.

II. ALTERNATIVES TO THE PROPOSED ACTION

A. NON-REMOVAL OF THE STRUCTURE(S)

The alternative to the proposed structure removal as originally submitted is non-removal. Non-removal of the structure would represent a conflict with Federal legal and regulatory requirements, which mandate the timely removal of obsolete or abandoned structures within a period of one year after termination of the lease, or upon termination of a right-of-use and easement. Therefore, non-removal does not appear to be a valid alternative.

B. REMOVAL OF THE STRUCTURE AS PROPOSED WITH ADDED MITIGATION

In the course of this evaluation process, the following protective measure was identified to further mitigate the environmental impacts associated with the proposal:

Our analysis indicates that there is/are existing pipeline(s) located within 150 meters (490 feet) of the proposed activities. The existing pipeline(s) may pose a hazard to the proposed operations. Precautions in accordance with NTL 83-3, Section IV.B, will be taken prior to performing the proposed operations.

III. ENVIRONMENTAL EFFECTS, SOCIOECONOMIC CONCERNS, AND OTHER CONSIDERATIONS

A. PHYSICAL ENVIRONMENT

1. Environmental Geology and Geologic Hazards

A discussion of environmental geology and geologic hazards can be found in the PEA referenced in the Introduction. The proposed structure-removal activity is not in an area of sediment instability (mud flows, slumps, or slides). Therefore, geologic conditions are not expected to have an impact on the proposed structure-removal activities.
2. Meteorological Conditions

No impacts are expected as a result of the proposed activities. For analysis information, see the PEA referenced in the Introduction.

3. Physical and Chemical Oceanography
   a. Physical Oceanography

No impacts are expected as a result of the proposed activities. For analysis information, see the PEA referenced in the Introduction.

   b. Chemical Oceanography

Impacts are expected to be very low as a result of the proposed activities. For analysis information, see the PEA referenced in the Introduction.

4. Water Quality

Impacts are expected to be low as a result of the proposed activities. For analysis information, see the PEA referenced in the Introduction.

5. Air Quality

Impacts are expected to be very low as a result of the proposed activities. For analysis information, see the PEA referenced in the Introduction.

B. BIOLOGICAL ENVIRONMENT

1. Coastal Habitats

No impacts are expected as a result of the proposed activities. For analysis information, see the PEA referenced in the Introduction.

2. Protected, Endangered, and/or Threatened Species
   a. Birds

The operator has indicated that they propose to use Amelia, Louisiana, as the shore base to support the proposed structure-removal activity. The PEA (USDOI, MMS, 1987) referenced in the Introduction delineates sensitive areas along the Texas coastline where whooping cranes and brown pelicans could be adversely impacted by structure-removal support activities. The shore base for the proposed activity lies outside of this sensitive area.
b. Marine Mammals

A discussion of marine mammals occurring across the GOM and an assessment of the potential impacts of structure-removal activities on marine mammals can be found in the PEA referenced in the Introduction. Fritts et al. (1983) conducted aerial surveys across a 9,514 sq mi area of waters lying in the central GOM. Results of these surveys indicate that the bottlenose dolphin is by far the most likely marine mammal to be encountered at the proposed structure removal. Since the proposed structure removal will utilize no explosives, no impacts are expected on marine mammals.

c. Sea Turtles

A discussion of sea turtles occurring across the central and western GOM and an assessment of the potential impacts of structure-removal activities on sea turtles can be found in the PEA referenced in the Introduction. Studies by Fritts et al. (1983) and Fuller and Tappan (1986) as well as stranding data from the Sea Turtle Stranding and Salvage Network (Teas, 1995) indicate that sea turtles may occur in the vicinity of the proposed activities. Definitive information on the probability of encountering sea turtles at the removal site during removal operations is scarce. Since the proposed structure removal will utilize no explosives, no impacts are expected on sea turtles.

3. Birds

Impacts are expected to be very low as a result of the proposed activities. For analysis information, see the PEA referenced in the Introduction.

4. Sensitive Marine Habitats

A discussion of sensitive marine habitats occurring in the central and western GOM and an assessment of the potential impacts of structure-removal activities on these areas can be found in the PEA referenced in the Introduction. The proposed activities are not near any sensitive marine habitats. Therefore, the subject structure removal will not impact any sensitive marine habitats or their resident biota.

5. Offshore Habitats and Biota

Impacts are expected to be low as a result of the proposed activities. For analysis information, see the PEA referenced in the Introduction.
C. SOCIOECONOMIC CONCERNS

1. Employment

Impacts are expected to be very low as a result of the proposed activities. For analysis information, see the PEA referenced in the Introduction.

2. Economics

Impacts are expected to be very low as a result of the proposed activities. For analysis information, see the PEA referenced in the Introduction.

3. Onshore Support Facilities, Land Use, and Coastal Communities and Services

The operator has indicated that they propose to use Amelia, Louisiana, as the shore base to support the proposed structure-removal activities. No impacts are expected as a result of the proposed activities. For analysis information, see the PEA referenced in the Introduction.

D. OTHER CONSIDERATIONS

1. Commercial and Recreational Fisheries
   a. Commercial Fisheries

   Impacts are expected to be low as a result of the proposed activities. For analysis information, see the PEA referenced in the Introduction.

   b. Recreational Fisheries

   Impacts are expected to be low as a result of the proposed activities. For analysis information, see the PEA referenced in the Introduction.

2. Archaeological Resources

   Impacts are expected to be low as a result of the proposed activities. For analysis information, see the PEA referenced in the Introduction.

3. Military Use/Warning Areas and Explosive Dumping Areas

   A description of military use/warning areas and explosive dumping areas, their locations and potential impacts of structure-removal activities on these areas can be found in the PEA referenced in the Introduction. The proposed activities will
not impact or be impacted by any military use/warning area or explosives dumping areas.

4. Navigation and Shipping

The proposed structure-removal activities in Block 90 are not located near a vessel safety fairway or anchorage. Structures located nearshore may serve as "landmarks" to vessels or helicopters operating in the area on a regular basis. The overall impacts of the proposed work on navigation and shipping is expected to be very low. More information on the impacts of structure removals on navigation and shipping can be found in the PEA referenced in the Introduction.

5. Pipelines and Cables

The PEA referenced in the Introduction contains a description of the impacts of structure-removal activities on pipelines and cables. There is/are existing pipeline(s) within 150 meters (490 feet) of the proposed structure-removal activities. Since the operator must adhere to existing laws and regulations for abandonment of structures (including procedures required by Notice to Lessees and Operators No. 83-3), the proposed work will not pose a hazard to pipeline(s) and cable(s) in the area.

6. Other Mineral Resources

No impacts are expected as a result of the proposed activities. For analysis information, see the PEA referenced in the Introduction.

7. Human Health and Safety

The PEA referenced in the Introduction describes the hazardous conditions for workers during structure-removal activities. The operator has proposed a non-explosive method to remove the subject structure and well. Existing legal and regulatory safety requirements will keep the impacts of the proposed work on human health and safety at a very low level.

E. UNAVOIDABLE ADVERSE IMPACTS

A discussion of unavoidable adverse impacts can be found in the PEA referenced in the Introduction. One area of primary concern is the potential loss of habitat to the marine environment. This topic is discussed in the PEA and a low level of impact is expected. Other unavoidable adverse impacts are considered to be minor.
IV. PUBLIC OPINION

A discussion of public concerns regarding structure removals can be found in the PEA referenced in the Introduction. The proposed structure removal has generated no comments from the public.

V. CONSULTATION AND COORDINATION

In accordance with the provisions of Section 7 of the Endangered Species Act, this proposed structure removal does not require coordination with the National Marine Fisheries Service (NMFS).
VI. BIBLIOGRAPHY AND SPECIAL REFERENCE(S)


VII. PREPARERS

Author:
Warren J. Barton - Environmental Scientist

Typist:
Kathy Bell - Secretary, Office Automation
VIII. APPENDIX

A. GULFSTREAM RESOURCES, INC. CORRESPONDENCE
APPENDIX A

GULFSTREAM RESOURCES, INC. CORRESPONDENCE
To:       Environmental Operations Section (LE-5)
From:    Office of Structural and Technical Support, Field Operations,
         Gulf of Mexico OCS Region (OSTS)
Subject: Platform Removal

OPERATOR: Gulfstream
Control No: ES/SR 96-099

Platform | Area/Block | Lease
---------|------------|--------
No 4      | ET 90      | OCS 0229

Shore Base: Amelia, LA

The attached application is forwarded to your office so that the Finding of No
Significant Impact can be prepared. Since explosives will not be used in this
removal operation, an Endangered Species Act Section 7 Consultation Documentation
is not required. There are no existing pipeline(s) within 500 feet of the
proposed removal location.

Arvind Shah (OSTS)
Extension 2894

Wants approval by 5/17/96
Removal to start on 5/21/96
May 7, 1996

U.S. Department of the Interior
Minerals Management Service
Gulf of Mexico OCS Region
1201 Elmwood Park Blvd.
New Orleans, LA 70123-2394

Attention: Mr. Felix Dyhrkopp

RE: Completion of Salvage Operations
OCS 0229 #4
Eugene Island Block 90

Dear Sir:

Attached is our request to complete the salvage operations on the captioned well. Also attached is a copy of the Sundry Notice submitted to the MMS Houma District Office requesting District approval of the salvage operation. The OCS 0229 #4 well was temporarily abandoned in 8/74. The caisson and the remaining casing strings and the four pile well protection structure were removed in 9/76. Due to the proximity of the Eugene Island 90 Round Barge and Header Platform, the well and the jacket were only removed to the mudline, leaving the salvage to 15' below the mudline until the Round Barge was removed. The Round Barge will be removed in May, 1996, and the Header Platform will be left in place and in service. The removal of the Round Barge will include the use of divers to remove the five barge bumper piling adjacent to the facility. We propose to have the divers locate and complete the removal of the OCS 0229 #4 well and its jacket to 15' BML while they are in the field performing the barge bumper piles.

As the Header Platform is to be left in place and is only 40' from the #4 location, we request permission to postpone the site clearance survey and trawling operations until such time that the Header Platform is removed. Please note that MMS approval has been granted to postpone the site clearance operations for the Round Barge removal until after the Header Platform has been salvaged.

The proposed operations are planned to commence immediately following the completion of the removal of the barge bumper piles, or approximately May 21, 1996. Therefore, we request approval of this application by May 17, 1996.
Your cooperation in this matter will be greatly appreciated. Should you require any additional information regarding this matter, please contact the undersigned.

Very truly yours,

GULFSTREAM RESOURCES, INC.

J. C. Garrett
Vice President - Engineering

Attachments
PROPOSED OCS PLATFORM/STRUCTURE REMOVAL

I. Responsible Party

A. Lease operator name ___________ Gulfstream Resources, Inc. ___________

B. Address ___________ 3850 North Causeway Boulevard, Suite 830
Metairie, Louisiana 70002

C. Contact person and telephone number ___________ J.C. Garrett
(504) 837-1715

D. Shore base ___________ Amelia, Louisiana

II. Identification of Structure to be Removed

A. Platform name ___________ OCS-0229 #4 ___________

B. Location (lease, area, block, and block coordinates) ___________ Eugene Island 90,  
OCS-0229, S01330E01600

C. Date installed (year) ___________ 1959 ___________

D. Proposed date of removal (Month/Year) ___________ 05/96 ___________

E. Water depth ___________ 22' ___________

III. Description of Structure to be Removed

A. Configuration (attach a photograph or a diagram)

B. Size ___________ 4 pile well protector with caisson ___________

C. Number of legs/casings/pilings ___________ four ___________
D. Diameter and wall thickness of legs/casings/pilings 8" 3/8" wall

E. Are piles grouted? No Inside or outside?

F. Brief description of soil composition and condition Mud

IV. Purpose

Lease expiration date and reason for removing the structure Well and jacket removed to mudline in 09/76. Propose to complete salvage to 15' BML.

V. Removal Method

A. Brief description of the method to be used Divers will jet out to 15' BML and cut jacket legs and remaining casing strings.

B. If explosives are to be used, provide the following:

1. Kind of explosives N/A

2. Number and sizes of charges

   a. Single shot or multiple shots?

   b. If multiple shots, sequence and timing of detonations
3. Bulk or shaped charge?

   a. Depth of detonation below mud line

   b. Inside or outside piling?

C. Pre-removal monitoring techniques

1. Is the use of scare charges or acoustic devices proposed?

   If yes, provide the following:

   a. Number and kind

   b. Size of charges

   c. Brief description of how, where, and when scare charges or acoustic devices will be used

2. Will divers or acoustic devices be used to conduct a pre-removal survey to detect presence of turtles and marine mammals?

   If yes, briefly describe the proposed detection method

D. Post-removal monitoring techniques

1. Will transducers be used to measure the pressure and impulse of the detonations?
2. Will divers be used to survey the area after removal to determine and effects on marine life?

VI. Biological Information

If available, provide the results of any recent biological surveys conducted in the vicinity of the structure. If available, describe any recent observations of turtles or marine mammals at the structure site.

PLEASE SEND THREE COPIES OF THE APPLICATION TO:

Regional Supervisor, Field Operations (OSTS)
Minerals Management Service
1201 Elmwood Park Blvd.
New Orleans, Louisiana 70123
1. ORIGINAL CORRECTION 2. API WELL NUMBER/PRODUCING INTERVAL CODE 3. WELL NO.
XX 177009041300D01 #4

8. FIELD NAME 9. UNIT NUMBER 10. MMS OPERATOR NUMBER
EI 89 754390200 01091

WELL AT TOTAL DEPTH

4. LEASE NUMBER 5. AREA NAME 6. BLOCK NUMBER 7. OPD NUMBER
00229 EI 90 LA4

32. TYPE OF SUBMITAL
REQUEST APPROVAL

33. PROPOSED OR COMPLETED WORK
ACIDIZE FRACTURE PLUG BACK WORKOVER
ALTER CASING INITIAL COMPLETION PULL CASING OTHER
ARTIFICIAL LIFT MULTI-COMPLETION RECOMPLETION
CHANGE ZONE PERFORATE SIDETRACK TEMPORARY
DEEPEN PERM ABANDONMENT XXX ABANDONMENT

34. WELL STATUS/TYPE CODE
PA

WELL AT SURFACE

12. WELL LOCATION AT SURFACE (Surveyed)
S01330E01600

13. LEASE NUMBER 14. AREA NAME 15. BLOCK NO. 16. OPD NUMBER
00229 EI 90 LA4

35. SURVEY BASE

NAD 27 XX NAD 83

18. WATER DEPTH (Surveyed) 19. ELEVATION AT KB (Surveyed)
22' 54'

20. RIG NAME

21. RIG TYPE

36. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Attach prognosis or summary of completed work, as appropriate)
The well was T&A'd in 8/74 (copy of approved Subsequent Sundry attached). The well and the jacket were salvaged in 9/76 and cataloged as P&A'd (copy of approved Subsequent Sundry attached). However, at the time of salvage the casing strings, caisson and jacket legs were only removed to the mudline, with salvage to 15' BML to be accomplished upon removal of the EI 90 Round Barge and Header Platform. The Round Barge will be removed in 5/96 and the Header Platform will be left in place and in service. Removal of the Round Barge will include the removal of five hanger bumper piles with divers. Request permission to complete the salvage of the 74 well and jacket to 15' BML while divers are on location removing the hanger bumper piles.

Best available copy

ANTICIPATED commencement of proposed operation is week of May 20, 1996.

26. CONTACT NAME

J.C. GARRETT

27. TELEPHONE NUMBER

(504) 837-1715

28. AUTHORIZING OFFICIAL (Type Name)

J.C. GARRETT

29. TITLE

VP - ENGINEERING

30. AUTHORIZING SIGNATURE

31. DATE

960507

THIS SPACE FOR MMS USE ONLY

APPROVED BY

TITLE

DATE

PAPERWORK REDUCTION ACT STATEMENT: The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq.) requires us to inform you that this information is being collected to obtain knowledge of equipment and procedures to be used during well-completion, workover, and production operations. This information will be used by the District Supervisor to evaluate and approve or disapprove the adequacy of the equipment and procedures to safely perform the proposed operations. Equipment response to this request is mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.18.

Public reporting burden for this form is estimated to average 1 hour per response, including the time for reviewing the form. Direct comments regarding the Collection Clearance Officer, Mail Stop 2053, Minerals Management Service, 381 Elen Street, Herndon, VA 22070-4817; Reduction Project (OMB No. 1010-0045), Washington, DC 20503.
1. ORIGINAL XXX
2. API WELL NUMBER/PRODUCING INTERVAL CODE 17709041300D01
3. WELL NO. #4
8. FIELD NAME EI 89
9. UNIT NUMBER 7S43930000
10. MMS OPERATOR NUMBER 01091

WELL AT TOTAL DEPTH

4. LEASE NUMBER 00229
5. AREA NAME E1
6. BLOCK NUMBER 90
7. OPD NUMBER LA4
32. TYPE OF SUBMITTAL REQUEST APPROVAL XXX
33. PROPOSED OR COMPLETED WORK
   ACDIZE
   ALTER CASING
   ARTIFICIAL LIFT
   CHANGE ZONE DEEPEN

34. WELL STATUS/TYPE CODE
   PA

WELL AT SURFACE

12. WELL LOCATION AT SURFACE (Surveyed) S01350E01600
13. LEASE NUMBER 00229
14. AREA NAME E1
15. BLOCK NO. 90
16. OPD NUMBER LA4
35. SURVEY BASE NAD 27 XX NAD 83
36. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Attach prognosis or summary of completed work, as appropriate)

37. PUBLIC INFORMATION
BEST AVAILABLE COPY

26. CONTACT NAME J.C. GARRETT
27. TELEPHONE NUMBER (504) 837-1715

28. AUTHORIZING OFFICIAL (Type Name) J.C. GARRETT
29. TITLE VP - ENGINEERING

30. AUTHORIZING SIGNATURE
31. DATE 960507

THIS SPACE FOR MMS USE ONLY

APPROVED BY ____________________________

PAPERWORK REDUCTION ACT STATEMENT: The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq.) requires us to inform you that this information is being collected to obtain knowledge of equipment and procedures to be used during well-completion, workover, and production operations. This information will be used by the District Supervisor to evaluate and approve or disapprove the adequacy of the equipment and procedures to safely perform the proposed operations. Equipment Response to this request is mandatory (43 U.S.C. 1334). Proprietary data are covered under 30 CFR 250.18.

Public reporting burden for this form is estimated to average 1 hour per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Mail Stop 2053, Minerals Management Service, 351 E. Street, Herndon, VA 22070; and Office of Management and Budget, Paperwork Reduction Project (OMB No. 1010-0045), Washington, DC 20503.

FORM MMS-124 (August 1993) (Replaces Form MMS-331 and MMS-332 which will not be used)
SUNDRY NOTICES AND REPORTS ON WELLS

1. OIL
   X CAR
   WELL
   OTHER

2. NAME OF OPERATOR
   Ocean Drilling & Exploration Co.

3. ADDRESS OF OPERATOR
   P. O. Box 61780 New Orleans, La. 70161

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements, *See also space 17 below.)
   At surface 1600' W & 1330' N of SE/C of Blk. 90
   At top prod. interval
   BHL: 1606' W & 1679' N of SE/C of Blk. 90
   At total depth

5. PERMIT NO.
   API 1770900413
   54' RT

6. ELEVATIONS (Show whether SF, ST, or etc.)
   La.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

- TEST WATER SHUT-OFF
- PULL OR ALTER CASING
- FRACTURE TREAT
- MULTIPLE COMPLETE
- SHUT OR ACIDIZE
- ABANDON
- REPAIR WELL
- CHANGE PLANS

SUBSEQUENT REPORT OF:

- WATER SHUT-OFF
- FRACTURE TREATMENT
- MULTIPLE COMPLETE
- REPAIRING WELL
- ALTERNING CASING
- TEMP. ABANDONMENT
- SHOOTING OR ACIDIZING
- (Other)

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any operation to this work,)*

Well temp. abandoned as follows:

1. Squeezed perforations 10,018-10,028' with 50 sq cm H cement. Top of cement in tubing @3000'. Tested plug to 1500 psi.
2. Set a 50 sq cement plug in 7' x 10 3/4' annulus from 1090'-1346'.
3. Cut & retrieved tubing @7625'.
4. Set a 50 sq cement plug in the 7' casing from 100'-300'.
5. Well caissons and structure remain unsalvaged. A production header is located on the structure. Proper navigational aids are being maintained.

Enclosed in duplicate.
Temp. P & A drawing

*See Instructions on Reverse Side

BEST AVAILABLE COPY

Signatures:

Rex Everett
TITLE Production Supt.
DATE 9/12/74

E. J. Hebbe
TITLE District Superintendent
DATE 07/27/74

CONDITIONS OF APPROVAL, IF ANY:
SUNDARY NOTICES AND REPORTS ON WELLS

1. oil □ gas □ well □ other □

2. NAME OF OPERATOR
Ocean Production Company

3. ADDRESS OF OPERATOR
P.O. Box 61780, New Orleans, LA 70161

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. SEE SPACE BELOW.)
   AT SURFACE: 1600'W & 1330'N Of SE/C Of Blk 90.
   AT TOP PROD. INTERVAL:

5. LEASE
   OCS-0229

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD OR WILDCAT NAME
   Eugene Island Block 99

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
   Eugene Island Block 99

12. COUNTY OR PARISH
   13. STATE
   LA

14. API NO.
   17709004130001

15. ELEVATIONS (SHOW DF, KDB, AND WD)
   GLL RT

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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<thead>
<tr>
<th>REQUEST FOR APPROVAL TO:</th>
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<tr>
<td>TEST WATER SHUT-OFF</td>
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<tr>
<td>ABANDON*</td>
<td>P &amp; A</td>
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17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured true vertical depths for all markers and zones pertinent to this work.)*

Permanent abandonment of the 0229 #4 well was completed on September 26, 1976 as follows:

1. Salvaged well caisson and protective structure by cutting all legs and pipe even with mud line.
2. Removed well and structure.

NOTE: Well piling and well casing will be cut 15' below mud line when Round Barge Production facility is removed.

Subsurface Safety Valve: Manu. and Type

18. I hereby certify that the foregoing is true and correct

SIGNED
Box m. Everatt

TITLE Prod. Sup't.

DATE 9/30/76

(This space for Federal or State office use)

APPROVED BY

OCT 6-1976

*See Instructions on Reverse Side
Jacket Legs, Casing & Casing Removed even with the Cutting in 9/76

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