

Attachment 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE

Gulf of Mexico OCS Region

(Insert Appropriate Regional Office)



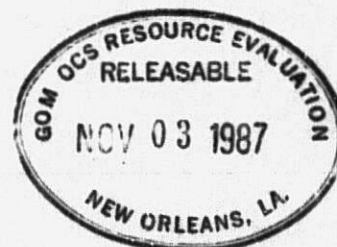
APPLICATION FOR PERMIT TO CONDUCT GEOLOGICAL
OR GEOPHYSICAL EXPLORATION FOR MINERAL RESOURCES
OR SCIENTIFIC RESEARCH ON THE OUTER CONTINENTAL SHELF

(Section 11, Outer Continental Shelf Lands Act of August 7, 1953,
as amended on September 18, 1978 by Public Law 95-372, 92 Statute 629,
43 U.S.C. 1340; and 30 CFR Part 251)

Standard Oil Production Company
(Name of Applicant)

9401 Southwest Freeway, Suite 1200
(Number and Street)

Houston, Texas 77074
(City, State, and Zip Code)



Western Geophysical Company
(Name of Service Company or Purchaser
if different from above)

Application is herein made for the following activity: (check one)

- ☐ Geological exploration for mineral resources
☐ Geological scientific research
☒ Geophysical exploration for mineral resources
☐ Geophysical scientific research

PERMIT NUMBER: 187-147

DATE: 10-28-87

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INFORMATION SERVICES
GULF OF MEXICO OCS REGION

SUBMIT: Original, two copies, and one public information copy

A. GENERAL INFORMATION:

1. The activity shall be conducted by:

Western Geophysical Company

(Service company name)

P.O. Box 2469

Houston, Texas 77252

(Address)

(713) 789-9600

(Telephone)

FOR

Standard Oil Production Company

(Purchaser of the data)

9401 Southwest Freeway, Suite 1200

Houston, Texas 77074

(Address)

(713) 981-1150

(Telephone)

2. The purpose of the activity is: X Mineral exploration
Scientific research

3. Describe the environmental effects of the proposed activity including potential adverse effects on marine life and what steps are planned to minimize these adverse effects (use continuation sheets as necessary).

NO ADVERSE EFFECTS ON MARINE LIFE

4. The expected commencement date is 10/30/87 and the
expected completion date is 12/30/87.

5. The name of the individual in charge of the field operation is James Wilkerson. May be contacted at Western Geophysical Company, 10 001 Richmond Avenue, Houston, Texas 77042. Telephone (Local) (713) 789-9600 (Marine) Galveston Marine Operator Radio call sign HP-4602.

6. The vessel(s) to be used in the operation is (are) as follows:
- Name M/V RESOLUTION Registry number 7125
- Registered owner Western Geophysical Company

7. The port from which the vessel(s) will operate is Galveston, Texas.

8. Briefly describe the navigation system (vessel navigation only) _____

STARFIX/ARGO

B. COMPLETE FOR GEOLOGICAL EXPLORATION FOR MINERAL RESOURCES, OR GEOLOGICAL SCIENTIFIC RESEARCH:

1. The type(s) of operation(s) to be employed is (are): (check one)

(a) _____ Deep stratigraphic test, or (b) _____ Shallow stratigraphic test with proposed total depth of _____, or

(c) _____ Other: _____.

2. Exact geographic coordinates of proposed test(s): (attach a page-size plat(s)) _____.

C. COMPLETE FOR GEOPHYSICAL EXPLORATION FOR MINERAL RESOURCES, OR GEOPHYSICAL SCIENTIFIC RESEARCH:

1. Proposed location of the activity: (attach a page-size plat(s))
Offshore Louisiana, Garden Banks, East Cameron, Vermilion, High Island
Areas - Federal Waters.

2. The type(s) of operation(s) to be employed is (are): Seismic
(Seismic,
gravity, magnetic, etc.)

3. The instrumentation and/or technique(s) to be used in the
operation(s) is (are): Airgun
(Air gun, sparker, etc.)

4. Explosive charges will _____ will not X be used. If applicable,
indicate the type of explosive and maximum charge size (in pounds)
to be used: Type _____ Pounds _____
Equivalent pounds of TNT _____.

D. PROPRIETARY INFORMATION ATTACHMENTS*

Geological Permit

1. Brief description of method of shallow drilling or sampling.
2. Brief description of shallow drilling or sampling equipment to be used.
3. Number of borings or sample locations to be occupied.
4. Navigation system or method to be used to position sample locations.
5. Method of sample analyses, storage, and handling.
6. A description and list of the final processed data which will result from operations under the proposed activity.
7. The estimated date on which samples, logs, and processed data will be ready for inspection.
8. Map(s), plat(s), and chart(s) showing specific block numbers, specific boring or sample locations, and total number of borings or samples proposed.

Geophysical Permit

1. A brief description of the energy source (unless explosives are used, in which case the source type is nonproprietary information).
2. The total energy output per impulse.
3. The number of impulses per linear mile.
4. The towing depth of the energy source.
5. The towing depth of the streamer.
6. Navigation system or method to be used to position shotpoint locations.
7. Area of activity and total number of line miles proposed.
8. A description and list of the final processed data which will result from operations under the proposed activity.
9. The estimated date on which processed data will be available for inspection.
10. Attach map(s), plat(s), or chart(s) showing latitude and longitude, scale, specific block numbers, specific track lines with line identifications, and the total number of line miles proposed.

I hereby certify that the foregoing and attached information is true and correct.

SIGNED James Furb for TITLE Division DATE October 27, 1987
Jack Golden Geophysicist
(This space for Federal office use)

Permit No. L87-147 Assigned by MMS Date 10-27-87

This application is hereby:

- a. Approved ☒
b. Returned for reasons stated in the attached ☐

The approved permit is:

- a. Attached ☒
b. Will be forwarded at a later date. ☐

SIGNED Greg L. Lore TITLE Acting Reg. Supr., RE DATE NOV - 3 1987

*(See instructions on next page)