

**UNITED STATES DEPARTMENT OF THE INTERIOR  
MINERALS MANAGEMENT SERVICE  
GULF OF MEXICO OCS REGION**

NTL No. 2008-G06

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**NOTICE TO LESSEES AND OPERATORS OF FEDERAL OIL, GAS, AND SULPHUR  
LEASES IN THE OUTER CONTINENTAL SHELF, GULF OF MEXICO OCS REGION**

**Remotely Operated Vehicle Surveys in Deepwater**

This Notice to Lessees and Operators (NTL) supersedes NTL No. 2003-G03, effective January 23, 2003, and is being issued to provide for remotely operated vehicle (ROV) surveys in three additional grid areas and to make minor technical amendments. The NTL provides guidance with regard to ROV surveys and reports in deepwater areas (water depths greater than 400 meters) of the Gulf of Mexico.

**Introduction and Background**

The Minerals Management Service (MMS) Gulf of Mexico OCS Region (GOMR) has developed a strategy to ensure sound National Environmental Policy Act (NEPA) compliance for postlease activities in deepwater areas of the Central Planning Area, the Western Planning Area, and a portion of the Eastern Planning Area of the Gulf of Mexico. This strategy is outlined in a document that you can access on the Internet at [http://www.gomr.mms.gov/homepg/regulate/environ/ea\\_grid/NEPADWSTRATEGY.PDF](http://www.gomr.mms.gov/homepg/regulate/environ/ea_grid/NEPADWSTRATEGY.PDF).

The strategy was developed because the MMS GOMR is concerned that activities related to development in deepwater areas may have localized impacts on benthic communities, if such communities exist near the well or well cluster (template) site. These localized impacts are described in the report, "MMS Deepwater Operations and Activities Environmental Assessment" (MMS 2000-001).

To carry out this deepwater strategy, the MMS GOMR needs information to verify the effectiveness of existing requirements and mitigations. Accordingly, under the authority found at 30 CFR 250.207 and 30 CFR 250.282, the MMS GOMR has established a program to acquire information from ROV surveys both before and after you conduct certain activities in deepwater areas of the Gulf of Mexico.

The MMS GOMR will continue to approve OCS plans based on existing information regarding the general nature of the seafloor in deepwater areas. If the ROV survey information indicates

that previously unknown, high-value bottom communities exist, such information could lead to future alterations in the review process; however, it would not affect the current operation.

### **ROV Survey Plans**

Include an ROV survey plan as an integral part of each Exploration Plan (EP) that proposes activities in the deepwater area of the Central Planning Area, the Western Planning Area, and a portion of the Eastern Planning Area of the Gulf of Mexico. Submit also an ROV survey plan with the first Development Operations Coordination Document (DOCD) proposing a surface structure in each of 21 grid areas. (See Attachment No. 1, Grid Map for ROV Surveys, which shows the 21 established grid areas.) Include the following information in each ROV survey plan:

1. a statement that you are familiar with the ROV survey and reporting provisions of this NTL;
2. a brief description of the survey you plan to conduct, including timeframes, proposed transects, and the equipment you will use; and
3. a statement that you will make biological and physical observations as described in this NTL and the ROV survey form during two periods of operations:
  - a. Prespudding (survey performed from the facility prior to conducting proposed activities including jetting in the conductor), and
  - b. Postdrilling (prior to facility removal).

The MMS GOMR will notify you in the approval letter for your EP or DOCD whether or not you will need to actually conduct the ROV survey you propose. The GOMR will base this decision on whether the grid area that contains your proposed activities has already received adequate ROV survey coverage.

Before you submit an EP or DOCD, you should consult the Internet address [http://www.gomr.mms.gov/homepg/regulate/envIRON/ea\\_grid/ea\\_grid.asp](http://www.gomr.mms.gov/homepg/regulate/envIRON/ea_grid/ea_grid.asp) for information about the grid area that contains your proposed activities and whether adequate ROV survey coverage has already been achieved for that grid. When the MMS GOMR determines that sufficient ROV information has been gathered for a particular grid, the website will indicate that all subsequent EP's or DOCD's proposing activities in that grid need not contain an ROV survey plan. ***If that is the case, provide a statement indicating this information in your EP or DOCD in lieu of the ROV survey plan.*** As of the issuance date of this NTL, five grids (i.e., Grids Nos. 9, 10, 12, 13 and 16) have adequate ROV survey coverage.

### **Performing an ROV Survey**

1. Perform a visual survey of the seafloor in the vicinity of your proposed well or well cluster (template) site using an ROV equipped with video imaging capabilities.

2. For each well or well cluster site, conduct the ROV survey on two separate occasions, one immediately before you begin your activities and the other immediately after you complete all activities at the site.
3. Run the ROV along at least six transects. Make sure that each of the six excursions extends at least 100 meters from the launch point and that at least one transect passes directly over or very near the well or well cluster site. We suggest that the transect pattern consist of track lines located at 60-degree intervals.
4. Video the seafloor continuously during the entire survey. You may want to obtain additional imagery, such as scanning sonar, that may help depict bottom conditions.
5. Run the ROV close enough to the seafloor so that you can observe and identify relatively small animals and features (one inch and larger) on the resulting video. When you encounter each type of animal for the first time, stop the ROV momentarily so that you can take close-up video footage. Try also to get close-up images of each bottom type and other interesting features on the video as they are encountered. Additional detail concerning how to conduct the surveys, along with answers to common questions, can be found on the website mentioned above.

### **Recording Information from Your ROV Surveys**

Use the ROV Survey Report (Form MMS-141) or a reasonable facsimile to record basic biological and physical information from your observations of the video during both of the ROV survey excursions. You can access Form MMS-141 on the Internet at <http://www.gomr.mms.gov/homepg/forms/FormMMS-141.pdf>. Log all major events, including transect starts and stops, and visual sightings of deepwater animals and bottom conditions on the ROV Survey Log Sheet on page 2 of Form MMS-141. No scientific expertise is required to do this; simply do the best job possible. In describing your observations, you can refer to the pictures of many common deep-sea animal groups and seafloor types on pages 3 and 4 of Form MMS-141, or just provide simple descriptions.

We have found that the seafloor is generally a rather featureless plain with relatively few visible animals and minimal currents. Ensure that you provide an account of the types of animals you do encounter and the appearance of the seafloor, such as color and texture. We are interested in all observations of animals, indications of currents such as ripple marks, and bottom types. Of particular interest is your observation of any hardbottom areas or outcrops with attached animals.

For additional information on the appearance of chemosynthetic communities and deepwater coral habitats, consult the following websites and reports:

Chemosynthetic communities:

<http://www.gomr.mms.gov/homepg/regulate/environ/chemo/chemo.html> and  
[http://www.bio.psu.edu/cold\\_seeps/index.html](http://www.bio.psu.edu/cold_seeps/index.html)

Deepwater corals:

<http://www.gomr.mms.gov/PI/PDFImages/ESPIS/4/4256.pdf>,  
<http://www.gomr.mms.gov/PI/PDFImages/ESPIS/4/4264.pdf>, and  
<http://www.coris.noaa.gov/about/deep/>

Show the time and counter number for each of these observations. Show the tracks in the survey report with transect numbers, times, and bearings indicated so that video images may be later located in relation to the well or well cluster site and using the video timelines.

### **Submitting the Results of an ROV Survey**

Submit the completed Form MMS-141 or facsimile to the GOMR, within 60 days after your rig leaves the first well location drilled for EP's, or within 60 days after the facility installation is complete for DOCD's. Submit also, all of the video and any other imagery you may have obtained, such as ROV scanning sonar data, that could help depict bottom conditions. Mail the form and video/sonar data to the address below:

U.S. Department of the Interior  
Minerals Management Service  
Office of Field Operations  
Attention: Plans Section (MS 5230)  
1201 Elmwood Park Boulevard  
New Orleans, Louisiana 70123-2394

In addition to ROV Survey Report information submitted on video tape (VHS), referenced on Form MMS-141, Item B.2, the MMS GOMR will also accept submittal on compact disc (CD) or digital video disc (DVD).

### **Guidance Document Statement**

The MMS issues NTL's as guidance documents in accordance with 30 CFR 250.103 to clarify, supplement, and provide more detail about certain MMS regulatory requirements and to outline the information you provide in your various submittals. Under that authority, this NTL sets forth a policy on and an interpretation of a regulatory requirement that provides a clear and consistent approach to complying with that requirement. However, if you wish to use an alternative approach for compliance, you may do so, after you receive approval from the appropriate MMS office under 30 CFR 250.141.

### **Paperwork Reduction Act of 1995 Statement**

The information collection referred to in this NTL provides clarification, description, or interpretation of requirements contained in 30 CFR 250, Subpart B. The Office of Management and Budget (OMB) approved the information collection requirements for these regulations and assigned OMB Control No. 1010-0151. This NTL does not impose additional information collection requirements subject to the Paperwork Reduction Act of 1995.

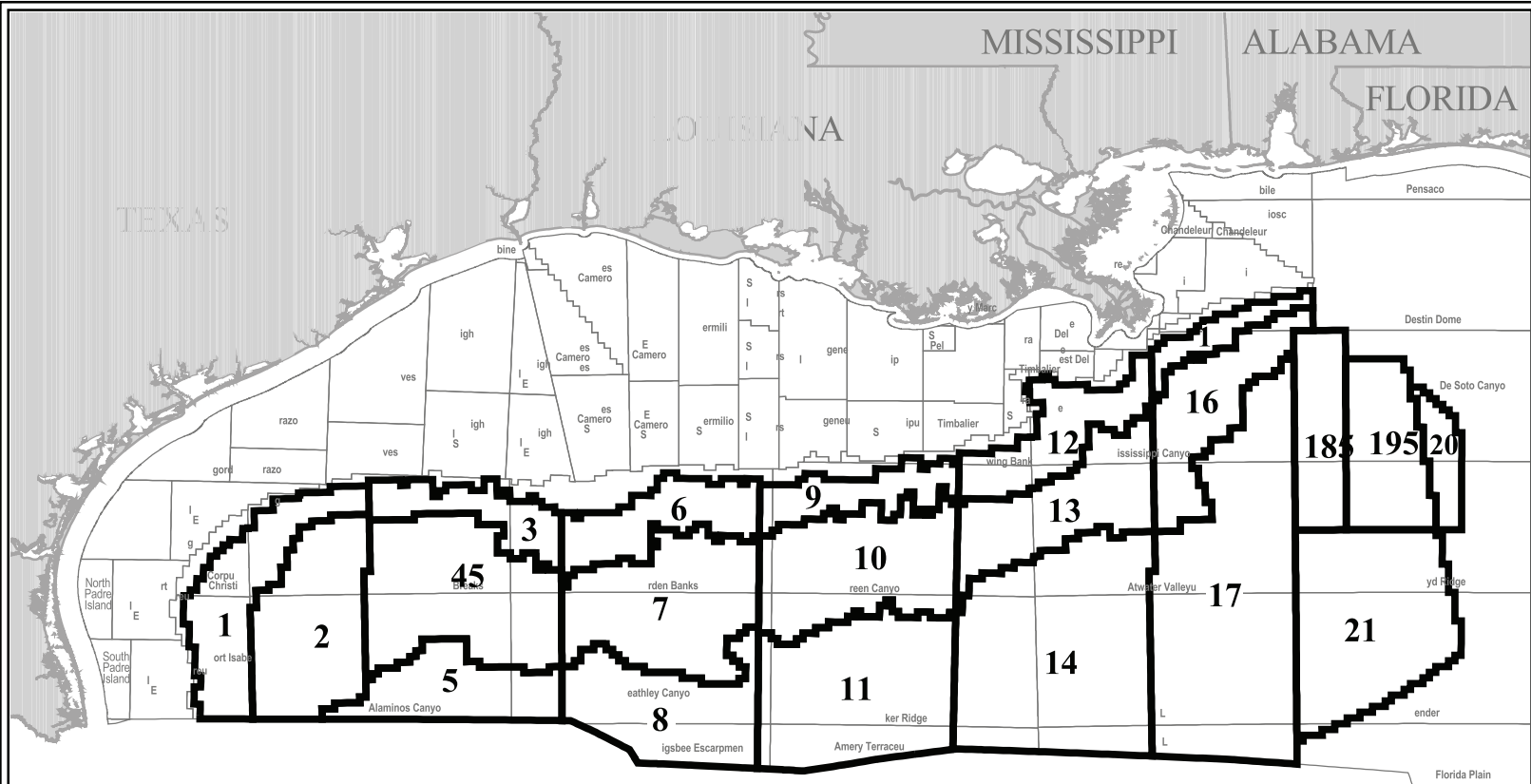
**Contacts**

Contact Ms. Liz Peuler ((504) 736-2581) of the MMS GOMR Plans Section if you have any questions concerning ROV survey plans for EP's and DOCD's. Contact either Mr. Herb Leedy ((504) 736-2776) or Mr. Greg Boland ((504) 736-2740) of the MMS GOMR Environmental Sciences Section if you have any questions regarding ROV surveys and reporting.

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Lars T. Herbst  
Regional Director

Attachment



**Grid Map for  
Remotely Operated Vehicle (ROV) Surveys  
in the Deepwater Gulf of Mexico**

**March 2008**

This numbered grid depicts 21 areas of ecological similarity. ROV surveys will be conducted on each grid to investigate the possible occurrence of high density biological communities that may occur on the seafloor in deep water.