



United States Department of the Interior

BUREAU OF OCEAN ENERGY MANAGEMENT

Gulf of Mexico OCS Region
1201 Elmwood Park Boulevard
New Orleans, LA 70123 2394

In Reply Refer To: GM 235D

June 22, 2016

Ms. Nelda T. Runyon
LLOG Exploration Offshore, L.L.C.
1001 Ochsner Boulevard
Suite 200
Covington, Louisiana 70433

Dear Ms. Runyon,

Reference is made to the following plan:

Control No.	S-7804
Type	Supplemental Exploration Plan
Received	May 4, 2016
Lease(s)	OCS-G 34909, Block 794, Mississippi Canyon Area (MC)

You are hereby notified that the approval of the subject plan has been granted as of June 22, 2016, in accordance with 30 CFR 550.233(b) (1).

This approval includes the proposed activities for Subsea Wells B, C, and CST01.

Our review indicates that your proposed activities are in the vicinity of the unidentified sonar targets listed in the Enclosure, features that may represent significant archaeological resources. In accordance with 30 CFR 550.194, you must either (1) conduct an underwater archaeological investigation (diver and/or ROV investigations) prior to commencing your activities to determine whether these features represent archaeological resources, or (2) ensure that all seafloor disturbing actions resulting from the proposed activities avoid the subject features by a distance greater than that listed in the Enclosure. If you conduct an underwater archaeological investigation, contact either Dr. Jack Irion at (504) 736-1742 or Dr. Christopher Horrell at (504) 736-2796 at least two weeks prior to performing operations to obtain the investigation methodology. If you choose to avoid the features, submit an as-built map at a scale of 1-inch = 1,000-feet with DGPS accuracy, showing the location of all seafloor disturbances (e.g., the rig or platform, anchors, anchor chains, wire ropes, cables, etc.) relative to these features to the BOEM Regional Supervisor, Office of Leasing and Plans, Plans Section (GM 235D), at the same time you submit your End of Operations Report (Form BSEE-0125) to the appropriate BSEE GOMR District Office.

Exercise caution while drilling due to indications of shallow gas, faulting, and possible water flow.

The projected NO_x emissions amounts in your plan were calculated using historic fuel consumption rates. Maintain monthly records of the total annual fuel consumption for the Sevan LA DP Semi Sub or Drillship Seadrill Neptune with a limit of 22,158 gallons/day for the Sevan or 20,124 gallons/day for

the Seadrill and provide the information to the BOEM Regional Supervisor, Office of Leasing and Plans, Plans Section (GM 235D) annually by February 1st of each year, beginning in the year 2017. If no activities were conducted during a calendar year, provide a statement to that effect in lieu of the required records. If at any time during your activities these records indicate that your NO_x annual emissions may exceed the annual limit approved in your plan or the total annual fuel consumption limit, you must immediately prepare a revised plan pursuant to 30 CFR 550.283 to include the recalculated emissions amounts. You will not proceed with the actions that could cause the potential annual increase in emissions until the revised plan has been submitted to and approved by BOEM.

In response to the request accompanying your plan for a hydrogen sulfide (H₂S) classification, the area in which the proposed drilling operations are to be conducted is hereby classified, in accordance with 30 CFR 250.490(c), as "H₂S absent."

You must comply with the following species protective measures in all activities conducted pursuant to the plan:

- Joint Notice to Lessees and Operators (NTL) No. 2012-G01, "Vessel Strike Avoidance and Injured/Dead Protected Species Reporting" (available at <http://www.boem.gov/Regulations/Notices-To-Lessees/2012/2012-JOINT-G01-pdf.aspx>);
- Joint NTL No. 2012-G02, "Implementation of Seismic Survey Mitigation Measures and Protected Species Observer Program" (available at <http://www.boem.gov/Regulations/Notices-To-Lessees/2012/2012-JOINT-G02-pdf.aspx>); and
- BSEE NTL No. 2015-03, "Marine Trash and Debris Awareness and Elimination" (available at [http://www.bsee.gov/uploadedFiles/BSEE/Regulations and Guidance/Notices to Lessees/2015/NTL%202015-G03.pdf](http://www.bsee.gov/uploadedFiles/BSEE/Regulations%20and%20Guidance/Notices%20to%20Lessees/2015/NTL%202015-G03.pdf)).

These measures are designed to promote environmental protection, consistent environmental policy, compliance with environmental laws, and safety.

If you have any questions or comments concerning this approval, please contact Chiquita Hill at (504) 736-2668.

Sincerely,

**Michelle
Uli Picou**

Digitally signed by Michelle Uli Picou
DN: cn=Michelle Uli Picou, o=U.S.
Government, ou=Bureau of Ocean Energy
Management,
email=michelle.picou@boem.gov, c=US
Date: 2016.06.22 18:31:01 -05'00'

for Jaron E. Ming
Regional Supervisor
Leasing and Plans

Enclosure