



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

December 19, 2018

Ms. Sylvia Bellone
Shell Offshore Inc.
One Shell Square
P.O. Box 61933
New Orleans, LA 70161-1933

Dear Ms. Bellone,

Reference is made to the following plan:

Control No. S-07917
Type Supplemental Exploration Plan
Received October 22, 2018, amended October 30 and November 7, 2018
Lease(s) OCS-G 17565, Block 857, Alaminos Canyon Area (AC)
OCS-G 17571, Block 901, Alaminos Canyon Area (AC)

The Minerals Management Service Alaminos Canyon Block 857 Unit Agreement Number is 754308001.

You are hereby notified that the approval of the subject plan has been granted as of December 19, 2018, in accordance with 30 CFR 550.233(b)(1).

This approval includes the proposed activities for Subsea Wells GWE-BB, GWE-CC, GWE-DD, and GWE-DDA1 in AC Block 857 and Subsea Wells GWE DDA2, GWE-AA, GWE-DD A, and GWE-EE in AC Block 901.

In accordance with 30 CFR 556.901(d), additional security may be required for your proposed activities. Prior to conducting activities in which you need to obtain approvals and/or permits described in 30 CFR 550.281(a) from the appropriate District Manager or BSEE Regional Supervisor, you must contact BOEM Risk Management Operations Group by email at boemrmog@boem.gov to determine if additional security is required and comply with any demand for this security.

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 years 2019-2026 for the equipment presented in the table below.

Equipment	Total Annual Fuel Consumption Limit (gallons/year)
Six Prime Movers	5,500,440 for all six
Three Supply Vessels	3,863,640 for all three
Crew Vessel	306,020

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 2020. 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."

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

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

- BOEM Notice to Lessees and Operators (NTL) No. 2016-G01, "Vessel Strike Avoidance and Injured/Dead Protected Species Reporting" (available at <http://www.boem.gov/BOEM-NTL-No-2016-G01>);
- BOEM NTL No. 2016-G02, "Implementation of Seismic Survey Mitigation Measures and Protected Species Observer Program" (available at <http://www.boem.gov/BOEM-NTL-2016-G02>); and
- BSEE NTL No. 2015-G03, "Marine Trash and Debris Awareness and Elimination" (available at <https://www.bsee.gov/sites/bsee.gov/files/notices-to-lessees-ntl/alerts/ntl-2015-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 Leslie Wilson at (504) 736-2588.

Sincerely,

**MICHELLE
PICOU** Digitally signed by
MICHELLE PICOU
Date: 2018.12.19
18:25:47 -06'00'

for Bernadette Thomas
Regional Supervisor
Office of Leasing and Plans