

# ORBIS

ENGINEERING, INCORPORATED



## PROFESSIONAL ENGINEERING CERTIFICATION

For

United States Department of the Interior  
Bureau of Ocean Energy Management

Operator: BP Exploration & Production Inc.  
Well: OCS-G-32306  
MC252-2

Reference the following documents prepared by BP Exploration and Production Inc. for the subject well for BOEM submittal:

- Macondo Relief Well MC252-2, Plug and Abandon Procedure
- Current wellbore schematic with casing/liner cement tops

I have reviewed the following:

- The planned abandonment plug locations
- Cement plug models ran for referenced plugs
- Lab tests of the planned cement plugs
- Planned procedures for plug installations
- Planned plug testing
- Planned fluids to be left in the well

Based on the review of the above documents and data (collectively the "Criteria"):

I hereby certify that the planned abandonment plugs and their placement procedures in the subject well meet or exceed the requirements as stated in 30 CFR Part 250.1712 (g) dated October 14, 2010. I further certify that the planned plugs, plug testing, and fluids left in the hole meets the applicable requirements in the CFR Part 250.1715. I further certify that the planned plug placement procedures follow industry accepted practices.

Joseph Melvan, P.E.  
Professional Engineering No. 106974

12/8/2010  
Date



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November 18<sup>th</sup>, 2010

Subject: Orbis Engineering Third Party Qualifications

To Whom It May Concern:

Orbis Engineering has prepared a brief summary of Orbis's qualifications for preparing Registered PE certification as required under Federal Register Section 250.1712(g) issued October 14<sup>th</sup>, 2010.

Firm Name: Orbis Engineering, Incorporated  
Address: 675 Bering Dr. Ste. 360  
Houston, Texas 77057  
Phone: 832-4360171

Company Background:

Orbis Engineering (Orbis) has provided engineering and geotechnical services to the oil and gas industry since 1986. Orbis specializes in upstream activities including well planning and execution. Engineering services include drilling, completion, testing, workover, well intervention, and P&A activities. Orbis supplies both planning and field execution services. Orbis has operated in most hydrocarbon basins within the United States including the Gulf of Mexico, as well as several international locations.

Orbis consists of petroleum engineers, geologists, and field supervisors. Orbis currently has 4 registered professional engineers within its organization. Orbis currently has 75 senior engineers, geologists, and field supervisors working for clients.

P&A Experience:

Orbis currently has 5 engineers working on P&A activities for the GOM. Of the 5 engineers, 3 are registered professional engineers in the state of Texas. Some are registered in other states as well. In addition, over 50% of Orbis's staff is engaged in closely related well intervention activities for its clients.

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Orbis Engineering, Incorporated is private company wholly owned by two principals and is independent of any oil and gas company or regulatory agency. Orbis Engineering, Incorporated P&A certifications are based on Orbis Engineering, Incorporated standards and in compliance with 30 CFR Part 250.1712(g) issued October 14<sup>th</sup>, 2010, and CFR Part 250.1715.

Respectfully,

A handwritten signature in blue ink, appearing to read 'J. Melvan', written over a horizontal line.

Joseph Melvan, P.E.  
Sr. Vice President  
Orbis Engineering, Incorporated