

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

**POST-EFFECTIVE AMENDMENT NO. 1  
TO  
FORM S-3  
REGISTRATION STATEMENT**  
*UNDER  
THE SECURITIES ACT OF 1933*

**TRANSOCEAN INC.**

(Exact name of registrant as specified in its charter)

**Cayman Islands**  
(State or other jurisdiction of  
incorporation or organization)

**66-0582307**  
(I.R.S. Employer  
Identification No.)

**4 Greenway Plaza  
Houston, Texas 77046  
(713) 232-7500**

**70 Harbour Drive  
Grand Cayman, Cayman Islands  
KY1-1003  
(345) 745-4500**

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

**Eric B. Brown  
Senior Vice President and General Counsel  
Transocean Inc.  
4 Greenway Plaza  
Houston, Texas 77046  
(713) 232-7500**

(Name, address, including zip code, and telephone number, including area code, of agent for service)

**Copy to:**

**Gene J. Oshman  
John D. Geddes  
Baker Botts L.L.P.  
One Shell Plaza  
910 Louisiana Street  
Houston, Texas 77002  
(713) 229-1234**

**Approximate date of commencement of proposed sale to the public:** Not applicable.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act of 1933, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act of 1933, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer

Accelerated filer

Non-accelerated filer

Smaller reporting company

(Do not check if a smaller reporting company)

**This Post-Effective Amendment No. 1 to the Registration Statement on Form S-3 (Registration No. 333-58604) shall become effective in accordance with Section 8(c) of the Securities Act of 1933 on such date as the Securities and Exchange Commission, acting pursuant to Section 8(c), may determine.**

---

---

## REMOVAL OF SECURITIES FROM REGISTRATION

This Post-Effective Amendment No. 1 relates to the Registration Statement on Form S-3 filed on April 10, 2001 (Registration No. 333-58604), as amended by Amendment No. 1 filed on April 13, 2001 (as thereby amended, the "Registration Statement"), of Transocean Inc. (formerly known as Transocean Sedco Forex Inc.) ("Transocean-Cayman"). The Registration Statement was declared effective by the Securities and Exchange Commission on April 13, 2001. The Registration Statement registered \$2,000,000,000 of debt securities, ordinary shares, preference shares and warrants (collectively, the "Securities"). Pursuant to the Registration Statement, \$400,000,000 principal amount of 1.5% Convertible Debentures due 2021 and \$1,000,000,000 principal amount of Floating Rate Notes due 2008 were issued and sold to the public.

On December 18, 2008, Transocean-Cayman merged by way of schemes of arrangement under Cayman Islands law with Transocean Cayman Ltd., a wholly-owned subsidiary of Transocean Ltd., a Swiss company ("Transocean-Switzerland"), with Transocean-Cayman as the surviving company (the "Transaction"). As a result of the Transaction, Transocean-Cayman became a wholly-owned subsidiary of Transocean-Switzerland. Transocean-Cayman has terminated all offerings of its securities pursuant to its existing registration statements, including the Registration Statement. In accordance with the undertaking of Transocean-Cayman in the Registration Statement, this Post-Effective Amendment is being filed to remove from registration the \$600,000,000 of Securities not heretofore sold pursuant to the Registration Statement. The Registration Statement is hereby amended, as appropriate, to reflect the deregistration of such Securities.

**SIGNATURE**

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Houston, the State of Texas, on January 7, 2009.

TRANSOCEAN INC.

By: /s/ C. Stephen McFadin

C. Stephen McFadin  
Vice President and  
Director

Pursuant to the requirements of the Securities Act of 1933, the Registration Statement has been signed by the following persons in the capacities indicated on January 7, 2009.

Signature

Title

/s/ C. Stephen McFadin

C. Stephen McFadin

Vice President and Director

(Principal Executive, Financial and Accounting Officer)

/s/ Anil B. Shah

Anil B. Shah

Director

/s/ William H. Gammerdinger

William H. Gammerdinger

Director