PETROBRAS - PETROLEO BRASILEIRO SA Form 6-K August 03, 2012

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 6-K

Report of Foreign Private Issuer Pursuant to Rule 13a-16 or 15d-16 of the Securities Exchange Act of 1934

For the month of August, 2012

Commission File Number 1-15106

PETRÓLEO BRASILEIRO S.A. - PETROBRAS

(Exact name of registrant as specified in its charter)

Brazilian Petroleum Corporation - PETROBRAS

(Translation of Registrant's name into English)

Avenida República do Chile, 65 20031-912 - Rio de Janeiro, RJ Federative Republic of Brazil (Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Form 20-F ____X ___ Form 40-F _____

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes _____ No___X____

This report on Form 6-K is incorporated by reference in the Registration Statement on Form F-3 of Petróleo Brasileiro -- Petrobras (No. 333-163665).

New oil discovery in Ceará Basin

Rio de Janeiro, August 02 2012 – Petróleo Brasileiro S.A. - Petrobras informs that it has successfully verified the occurrence of oil in deepwater of Ceará Basin during drilling operations of 1-BRSA-1080-CES (1-CES-158) well.

The well, commonly known as Pecém, is located 76 km away from the county of Paracuru, on the shore Ceará State, in a water depth of 2,129m. The well's current depth is 4,410m and the drilling shall continue down to 5,500m.

The discovery occurred in siliciclastic reservoirs of Paracuru Formation, verified due to the evidence of hydrocarbon, during drilling operation, logging analysis and results of wireline tests. The samples of fluid collected from the well indicated the presence of liquid hydrocarbonate which will be defined by means of lab analysis.

The estimated hydrocarbon column is 290 m, with 140 m of reservoir.

Petrobras operates the BM-CE-2 concession, with 60% interest, in consortium with BP Energy do Brasil Ltda, which holds 40%.

The Consortium will continue the operations to complete the drilling project of the well until the estimated depth, check the extension of the new discovery and define the permeability and porosity of the reservoirs.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Date: August 02, 2012

PETRÓLEO BRASILEIRO S.A--PETROBRAS

By:

/s/ Almir Guilherme Barbassa

Almir Guilherme Barbassa Chief Financial Officer and Investor Relations Officer

FORWARD-LOOKING STATEMENTS

This press release may contain forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended (Securities Act), and Section 21E of the Securities Exchange Act of 1934, as amended (Exchange Act) that are not based on historical facts and are not assurances of future results. These forward-looking statements are based on management's current view and estimates of future economic circumstances, industry conditions, company performance and financial results. The words "anticipates", "believes", "estimates", "expects", "plans" and similar expressions, as they relate to the company, are intended to identify forward-looking statements. Statements regarding the declaration or payment of dividends, the implementation of principal operating and financial condition, liquidity or results of operations are examples of forward-looking statements. Such statements reflect the current views of management and are subject to a number of risks and uncertainties. There is no guarantee that the expected events, trends or results will actually occur. The statements are based on many assumptions and factors, including general economic and market conditions, industry conditions, and operating factors. Any changes in such assumptions or factors could cause actual results to differ materially from current expectations.

All forward-looking statements are expressly qualified in their entirety by this cautionary statement, and you should not place reliance on any forward-looking statement contained in this press release. We undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information or future events or for any other reason.