

PETROBRAS - PETROLEO BRASILEIRO SA  
Form 6-K  
October 27, 2010

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

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**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 October, 2010**

**Commission File Number 1-15106**

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**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  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

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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).

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### **New Discovery in the Sergipe Basin**

Rio de Janeiro, October 27 2010   Petróleo Brasileiro S.A. - Petrobras announces that the first well drilled in ultra deep Sergipe-Alagoas Basin waters identified the presence of hydrocarbons similar to those bearing oil in deep Campos Basin waters. It is a discovery of a new oil province in the Sergipe-Alagoas Basin.

This location confirms the existence of large accumulations in the distal portions of this basin, implying that there are greater volumes than those found in the shallow water fields (Guaricema and Dourado). Profile data point to the presence of light hydrocarbons.

This well, called 1-BRSA-851-SES (1-SES-158), known as BARRA, is located in Block SEAL-M-426, in the BM-SEAL-11 concession, northeast of the Sergipe sub-basin, at a water depth of 2,341 meters, 58 km off the coast of the state of Sergipe.

Well 1-SES-158 tested deposits in an accumulation developed in an area of some 70 square kilometers. The nearest analogous field, Piranema, is located 90 km away. This well, which is still being drilled, will continue sampling older and deeper reservoirs.

After the drilling has been completed, the consortium formed by Petrobras (60% - Operator) and IBV-Brasil (40%) to explore the BM-SEAL-11 concession will continue its activities and investments by drilling other wildcat wells and preparing the Discovery Evaluation Plan to be defined by the ANP.

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***[www.petrobras.com.br/ri/english](http://www.petrobras.com.br/ri/english)***

**Contacts:** PETRÓLEO BRASILEIRO S. A.   PETROBRAS

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This document 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 merely reflect the expectations of the Company's management. Such terms as anticipate, believe, expect, forecast, intend, plan, project, seek, should, along with similar or analogous terms are used to identify such forward-looking statements. These predictions evidently involve risks and uncertainties, whether foreseen or not by the Company. Therefore, the future results of operations may differ from current expectations, and readers must not base their expectations exclusively on the information presented herein.

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***www.petrobras.com.br/ri/english***

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## 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: October 27, 2010

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 financing strategies and capital expenditure plans, the direction of future operations and the factors or trends affecting 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.

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