

BP PLC  
Form 6-K  
October 15, 2008

**SECURITIES AND EXCHANGE COMMISSION**

**Washington, D.C. 20549**

**Form 6-K**

**Report of Foreign Issuer**

**Pursuant to Rule 13a-16 or 15d-16 of  
the Securities Exchange Act of 1934**

for the period ended 15 October, 2008

**BP p.l.c.**

(Translation of registrant's name into English)

**1 ST JAMES'S SQUARE, LONDON, SW1Y 4PD, ENGLAND**  
(Address of principal executive offices)

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	<input checked="" type="checkbox"/>	Form 40-F
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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|  
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press release

**October 15, 2008**

**BP MAKES SIXTEENTH OIL DISCOVERY**  
**IN**  
**ULTRA**  
**DEEP**  
**WATER BLOCK 31**  
**ANGOLA**

Sociedade Nacional de Combustíveis de Angola (Sonangol) and BP Exploration (Angola)

) Limited today announced the Dione oil discovery in ultra-deepwater Block 31, offshore Angola

This is the sixteenth discovery made by BP in Block 31 and is located in the southern portion of the block, about 9 kilometres to the south-west of the Juno-1 discovery.

Dione was drilled in a water depth of 1696 metres, some 390 kilometres northwest of Luanda

and reached a total depth of 3272 metres below sea level.

The well test results confirmed the capacity of the reservoir to flow in excess of 5000 barrels a day under production conditions.

Sonangol is t

the concessionaire of Block 31  
and owns 20 per cent equity

.  
BP Exploration (Angola  
) Limited as operator holds 26.67 per

cent. The other interest owners in Block 31 are Esso Exploration and Production Angola (Block 31) Limited (25 per  
cent)

;  
Statoil Angola A.S. a subsidiary of StatoilHydro ASA (13.33 per

cent)  
;  
Marathon International Petroleum Angola Block 31 Limited (10 per

cent)  
;  
and TEPA (BLOCK 31) Limited  
imited  
, a subsidiary of the Total Group  
(  
5 per

cent  
)

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Note to editors

BP's involvement with  
Angola  
la

goes back to the mid 1970s.

During the 1990s, BP made very substantial investments in  
Angola

's offshore oil and it is now an important part of the  
company's upstream portfolio.

BP has interests in four blocks with operated interests in two  
and

has a 13.6 per cent interest in the Angola LNG project.

Operatorship of Block 31 was awarded to BP Exploration

(  
Angola  
) Limited in May 1999.

The Block covers an area of 5,349 square kilometres and lies in water depths of between 1,500 and 2,500 metres.

BP also has operated interests (BP 50

per cent  
equity) in Block 18 where Greater Plutonio started production on 1st October 2007.

BP has non-operated interests in Block 15, operated by Esso Exploration Angola (Block 15) Limited (BP 26.67  
per cent

equity) and in Block 17 operated by Total (BP 16.67 per cent equity).

**Further enquiries**

:

Robert Wine, BP Press Office,  
London

: +44 (0) 20 7496 4076

Amilcar Costa, BP Angola, Luanda:

+244 2 22637408

**SIGNATURES**

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.

BP p.l.c.  
(Registrant)

Dated: 15 October, 2008

/s/ D. J. PEARL

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D. J. PEARL

Deputy Company Secretary