

TOTAL SA  
Form 6-K  
October 02, 2009

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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington D.C. 20549  
FORM 6-K  
REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13-a16 OR 15-d16 UNDER  
THE SECURITIES EXCHANGE ACT OF 1934  
For the months of: September 4 1 to October 1, 2009  
Commission File Number: 1-10888**

**TOTAL S.A.**

(Translation of registrant's name into English)

2 place Jean Millier

La Défense 6

92400 Courbevoie

France

(Address of principal executive offices)

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

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T  
Rule 101(b)(1):

**Note:** Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T  
Rule 101(b)(7):

**Note:** Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's home country), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

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

If Yes is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b):  
82-\_\_\_\_\_ ..

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**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.

**TOTAL S.A.**

Date: October 2, 2009

By: /s/ Jérôme Schmitt  
Name : Jérôme SCHMITT  
Title : Treasurer

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- Ø **EXHIBIT 99.7:** Total, France s Ecole Polytechnique Engineering School and the French National Center for Scientific Research Partner in Photovoltaic Solar Applications (September 29, 2009)