

GENERAL GEOPHYSICS CO

Form 6-K

December 15, 2005

**FORM 6-K**  
**SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**  
**Report of Foreign Private Issuer**  
**Pursuant to Rule 13a-16 or 15d-16 of**  
**the Securities Exchange Act of 1934**

**For the month of December, 2005**

**GENERAL COMPANY OF GEOPHYSICS**  
(translation of registrant's name into English)

1, rue Leon Migaux, 91341 MASSY FRANCE (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  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

If  Yes is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b):  
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**COMPAGNIE GENERALE DE GEOPHYSIQUE**  
(ISIN : 0000120164 NYSE : GGY)

Paris, December 14, 2005

**CGG announces completion of its EUR 209 055 528 capital increase  
with preferential subscription rights which has been highly successful**

The capital increase with preferential subscription rights launched by CGG on November 16, 2005 to refinance a portion of the bridge credit facility used to finance the acquisition of Exploration Resources ASA was successfully completed. The gross proceeds amount to EUR 209,055,528 (including a share premium of EUR 200,857,272) and 4,099,128 new shares deemed existing from January 1<sup>st</sup> 2005, will be issued.

4,027,320 new shares were subscribed through rights on an irreducible basis, *i.e.* 98,2 % of total new shares. Orders for 2,785,270 new shares subscribed on a reducible basis will only be satisfied in part, to create 71,808 new shares. Total orders amounted to nearly EUR 348 million, *i.e.* an oversubscription of 166 %.

Delivery of the new shares is expected to occur on December 16, 2005. New shares of EUR 2 nominal value will start trading on Eurolist by Euronext on December 16, 2005 on the same line of trading as the existing shares.

Upon completion, the share capital of CGG will be comprised of 17,079,718 shares.

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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.

COMPAGNIE GENERALE DE GEOPHYSIQUE  
1, rue Leon Migaux  
91341 Massy Cedex

GENERAL COMPANY OF GEOPHYSICS

Date : December 14, 2005

By Senior Executive Vice President  
Technology , Control, corporate planning  
&  
Communication  
/Gerard CHAMBOVET/