

GOLD FIELDS LTD

Form 6-K

April 23, 2012

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 April 2011

Commission File Number 1-31318

Gold Fields Limited

(Translation of registrant's name into English)

150 Helen Rd.

Sandown, Sandton 2196

South Africa

(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...x... 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): _____

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): _____

Indicate by check mark whether by furnishing the information contained in this Form, the registrant 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...

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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Directors: M A Ramphela (Chair), N J Holland † ** (Chief Executive Officer), P A Schmidt** (Chief Financial Officer), K Ansah # , C A Carolus, R Dañino*, A R Hill ≠,

D L Lazaro^, R P Menell, M S Moloko, D N Murray, D M J Ncube, R L Pennant-Rea † , G M Wilson

† British, ≠ Canadian, # Ghanaian, *Peruvian, ^Filipino, ** Executive Director

Corporate Secretary: C Farrel

Gold Fields Limited

Reg. 1968/004880/06

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MEDIA RELEASE

Mineral Resource and Mineral Reserve Publications

Johannesburg, 23 April 2012: Gold Fields Limited (Gold Fields) (JSE, NYSE, NASDAQ Dubai: GFI) has published its Mineral Resource and Mineral Reserve supplement to the 2011 Integrated Annual Review on the Gold Fields website at www.goldfields.co.za.

The Gold Fields Mineral Resources and Mineral Reserves Supplement 2011 is made up as follows:

The Mineral Resources and Mineral Reserves

Overview, which provides a comprehensive overview of Gold Fields' Mineral Resources and Mineral Reserves status on a Group and Regional basis;

Eight operational Technical Short Form Reports, which give an in-depth review of each operation; and a

Technical Short Form Report of Gold Fields' Exploration and Growth Projects.

As at 31 December 2011, Gold Fields Limited had total attributable precious metal and gold equivalent Mineral Resources of 217.0 million ounces (31 December 2010: 225.4 million ounces) and Mineral Reserves of 80.6 million ounces (76.7 million ounces).

Notes to editors

About Gold Fields

Gold Fields is one of the world's largest unhedged producers of gold with attributable annualised production of 3.5 million gold equivalent ounces from eight operating mines in Australia, Ghana, Peru and South Africa. Gold Fields also has an extensive and diverse global growth pipeline with four major projects in resource development and feasibility, with construction decisions expected in the next 18 to 24 months. Gold Fields has total attributable gold equivalent Mineral Reserves of 80.6 million ounces and Mineral Resources of 217 million ounces. Gold Fields is listed on the JSE Limited (primary listing), the New York Stock Exchange (NYSE), NASDAQ Dubai Limited, Euronext in Brussels (NYX) and the Swiss Exchange (SWX).

Sponsor: J.P. Morgan Equities Limited

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.

Date: 23 April 2012

GOLD FIELDS LIMITED

By:

Name: Mr W J Jacobsz

Title: Senior Vice President: Investor
Relations and Corporate Affairs