

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- _____

**GOLD FIELDS**

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 (NYSE) and the Swiss Exchange (SWX).

Sponsor: J.P. Morgan Equities Limited

Gold Fields Limited
Reg. 1968/004880/06
150 Helen Road,
Sandown, Sandton,
2196

Postnet Suite 252
Private Bag X30500
Houghton, 2041
South Africa

Tel +27 11 562 9700
Fax +27 11 562 9838
www.goldfields.co.za

Enquiries

Investor Enquiries

Zakira Amra
Tel +27 11 562 9775
Mobile +27 79 694 0267
email Zakira.Amra@goldfields.co.za

Willie Jacobsz
Tel +1 508 839 1188
Mobile +1 857 241 7127
email Willie.Jacobsz@gfexpl.com

Media Enquiries

Sven Lunsche
Tel +27 11 562 9763
Mobile +27 83 260 9279
email Sven.Lunsche@goldfields.co.za

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.

GOLD FIELDS LIMITED

Date: 23 April 2012

By:

A handwritten signature in black ink, appearing to read "Willie Jacobsz", written in a cursive style.

Name: Mr W J Jacobsz

Title: Senior Vice President: Investor
Relations and Corporate Affairs