

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 May 2012
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 Limited
 (Reg. No. 1968/004880/06)
 (Incorporated in the Republic of South Africa)
 ("Gold Fields" or "the Company")

JSE, NYSE, DIFX Share Code: GFI
 ISIN Code: ZAE000018123

DEALING IN SECURITIES BY DIRECTOR

In compliance with paragraphs 3.63 to 3.74 of the Listings Requirements of JSE Limited ("the Listings Requirements") we hereby advise that Mr. C Farrel, a Company Secretary of Gold Fields Limited has exercised Share Options which were issued to him in terms of The GF Management Incentive Scheme, as amended.

Share options are offered at a strike price, with a third of the total share option grant vesting upon the second, third and fourth anniversaries of the grant date. The vested options can be exercised before the expiry date which is seven years from the grant date. The value of the Options which a participant may exercise will be the difference between the Share price at the date of exercise and the Strike price on the allocation date.

Details of the transaction are set out below:

| | C Farrel |
|-------------------------------|---|
| Nature of transaction | On market sale of shares in terms of the above scheme |
| Transaction Date | 21 May 2012 |
| Number of Shares/Options | 605 |
| Class of Security | Ordinary Shares |
| Strike price per share option | R93.49 |
| Market price per share | R102.0055 |
| Total Value | R61,713.3275 |
| Total proceeds | R5,151.8775 |
| Vesting Period | A third of the total share option grant vests upon the second, third and fourth anniversaries of the grant date and the options expire seven years from grant date. |
| Nature of interest | Direct and Beneficial |
| | |

| | C Farrel |
|--------------------------|---|
| Nature of transaction | Off-market acquisition of shares in terms of the above scheme |
| Transaction Date | 21 May 2012 |
| Number of Shares/Options | 28 |
| Class of Security | Ordinary Shares |
| Market price per share | R101.9900 |

| | |
|--------------------|---|
| Total Value | R2,855.72 |
| Vesting Period | A third of the total share option grant vests upon the second, third and fourth anniversaries of the grant date and the options expire seven years from grant date. |
| Nature of interest | Direct and Beneficial |

In terms of paragraph 3.66 of the Listings requirements the necessary clearance to deal in the above securities has been obtained.

22 May 2012

Sponsor:

JP 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.

GOLD FIELDS LIMITED

Date: 23 May 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