

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 2010
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

GOLD FIELDS SECURES NEW LOAN FACILITY

Johannesburg, May 24, 2010: Gold Fields Limited (Gold Fields) (JSE, NYSE, NASDAQ Dubai: GFI) today announced that it has secured a US\$450 million revolving credit loan maturing 30 September 2013 to refinance a US\$311 million one-year facility that expired in May 2010. Gold Fields was seeking a minimum of US\$300 million from the banks approached to support the revolving credit loan.

The new facility, agreed by Gold Fields with a “club” of nine banks, is charged at 175 basis points above the London Interbank Offered Rate (Libor). This facility, which is currently undrawn, is for general corporate purposes and working capital requirements.

“The favourable response from the banks gives our balance sheet greater liquidity as we accelerate our global expansion programme,” said Gold Fields CFO Paul Schmidt. “The new loan bears a lower interest rate than the previous facility and significantly improves our debt maturity profile,” he added.

ends

Notes to editors

About Gold Fields

Gold Fields is one of the world's largest unhedged producers of gold with attributable production of 3.6 million ounces* per annum from nine operating mines in South Africa, Ghana, Australia and Peru. Gold Fields also has an extensive growth pipeline with both greenfields and near mine exploration projects at various stages of development. Gold Fields has total attributable Mineral Reserves of 81 million ounces and Mineral Resources of 271 million ounces. Gold Fields is listed on JSE Limited (primary listing), the New York Stock Exchange (NYSE), the Dubai International Financial Exchange (DIFX), the Euronext in Brussels (NYSE) and the Swiss Exchange (SWX). For more information please visit the Gold Fields website at www.goldfields.co.za

*Based on the annualised run rate for the second quarter of F2010

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Directors: A J Wright (Chairman), N J Holland*** (Chief Executive Officer), P A Schmidt** (Chief Financial Officer), K Ansah[#], C A Carolus, R Dañino*, A R Hill[#], R P Menell, D N Murray, D M J Ncube, R L Pennant-Rea[†], C I von Christerson, G M Wilson
[†]British, [#]Canadian, [#]Ghanaian, *Peruvian, ** Executive Director

Corporate Secretary: C Farrel

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: 24 May 2010

By:

A handwritten signature in dark 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