

ANGLOGOLD ASHANTI LTD

Form 6-K

August 11, 2006

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER

PURSUANT TO RULE 13a-16 or 15d-16 OF

THE SECURITIES EXCHANGE ACT OF 1934

Report on Form 6-K dated

AUGUST 11, 2006

AngloGold Ashanti Limited

—

(Name of Registrant)

11 Diagonal Street

Johannesburg, 2001

(P O Box 62117)

Marshalltown, 2107

South Africa _____

(Address of Principal Executive Offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F:

Form 20-F: 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):

Yes:

No:

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):

Yes:

No:

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:

Enclosures:

DEALINGS IN SECURITIES BY DIRECTORS OF ANGLOGOLD ASHANTI LIMITED

ANGLOGOLD ASHANTI LIMITED

(Registration number 1944/017354/06)

(Incorporated in the Republic of South Africa)

("AngloGold")

ISIN: ZAE000043485 JSE Share code: ANG

**DEALINGS IN SECURITIES BY DIRECTORS OF ANGLOGOLD ASHANTI LIMITED
IN TERMS OF THE ANGLOGOLD SHARE INCENTIVE SCHEME**

In terms of JSE Listings Requirement 3.63 we give notice that the following directors have exercised share options, after having received clearance to do so in terms of Listings Requirement 3.66. The options were granted in terms of the AngloGold Share Incentive Scheme.

In terms of the rules of the AngloGold Share Incentive Scheme, all options which are not exercised within ten years from the date of grant, automatically lapse. In 1996, Mr R M Godsell was awarded options which will lapse during September 2006, unless exercised. Mr Godsell has elected to exercise his rights in terms of the options granted and to use the after tax proceeds to purchase AngloGold Ashanti shares in his own name.

Mr N F Nicolau has elected to exercise his rights in terms of options granted and to retain a portion of the after tax proceeds in cash, and to use the balance to purchase AngloGold Ashanti shares in his own name.

This has resulted in the following ordinary shares of the company having been allotted and traded on the JSE and acquired by Mr Godsell and Mr Nicolau.

Details

R M GODSELL

N F NICOLAU

Date options exercised

8 August 2006

8 August 2006

Date options granted

27 September 1996

16 October 2000 and

1 November 2001

Quantity of options exercised / shares

allotted

9,200

17,600

Option exercise price

R104.00

R134.10 and R159.10

Quantity of shares sold on the JSE

5,367

14,700

Quantity of shares acquired in own name

3,833

2,900

Type of interest

Beneficial

Beneficial

Market price

R343.6160

R345.0005

% of total shares in issue

0.003342559%

0.00639446%

10 August 2006

JSE Sponsor: UBS

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.

AngloGold Ashanti Limited

Date:

AUGUST 11, 2006

By: /s/ C R BULL

Name: C R Bull

Title: Company Secretary