

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 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 February 21, 2017

Commission File Number 1-14846

AngloGold Ashanti Limited
(Name of registrant)

76 Rahima Moosa Street (formerly Jeppe Street)
Newtown, 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 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):

Yes ☐ **No X**

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 X**

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 X**

Enclosure: **Report - for the six months and year ended 31 December 2016 and declaration of Dividend No. 118**

MINERAL RESOURCE AND ORE RESERVE

The Mineral Resource and Ore Reserve for AngloGold Ashanti are reported in accordance with the minimum standards described by the South African Code for the Reporting of Exploration Results, Mineral Resources and Mineral Reserves (The SAMREC Code, 2016 edition), and also conform to the standards set out in the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code, 2012 Edition).

The Mineral Resource is inclusive of the Ore Reserve component unless otherwise stated. In complying with revisions to the SAMREC Code the changes to AngloGold Ashanti's Mineral Resource and Ore Reserve have been reviewed and it was concluded that none of the changes are material to the overall valuation of the Company. AngloGold Ashanti has therefore once again resolved not to provide the detailed reporting as defined in Table 1 of the Code. The Company will however continue to provide the high level of detail it has in previous years in order to comply with the transparency requirements of the Code.

AngloGold Ashanti strives to actively create value by growing its major asset – the Mineral Resource and Ore Reserve. This drive is based on active, well-defined brownfields and greenfields exploration programmes, innovation in both geological modelling and mine planning and continual optimisation of the asset portfolio.

GOLD PRICE

The following local prices of gold were used as a basis for estimation in the December 2016 declaration:

	Gold Price US\$/oz	Local prices of gold			
		South Africa ZAR/kg	Australia AUD/oz	Brazil BRL/oz	Argentina ARS/oz
2016 Ore Reserve	1,100	530,000	1,500	4,041	14,969
2016 Mineral Resource	1,400	663,819	1,817	4,414	21,531

The SAMREC and JORC Codes require the use of reasonable economic assumptions. These include long-range commodity price forecasts which are prepared in-house.

MINERAL RESOURCE

The total Mineral Resource increased from 207.8 million ounces (Moz) in December 2015 to 214.7Moz in December 2016. A gross annual increase of 11.3Moz occurred before depletion, while the net increase after allowing for depletion is 6.9Moz. Changes in economic assumptions from December 2015 to December 2016 resulted in a 1.7Moz increase to the Mineral Resource, whilst exploration and modelling resulted in an increase of 10.0Moz. Depletion from the Mineral Resource for the year totalled 4.4Moz. The Mineral Resource has been estimated at a gold price of US\$1,400/oz (2015: US\$1,400/oz).

MINERAL RESOURCE		Moz
Mineral Resource as at 31 December 2015		207.8
Depletions		-4.4
	Sub Total	203.4
Additions		
Obuasi	New geological models, the revalidated database and a revised estimation methodology resulted in the significant increase.	5.5
Mponeng	Surface and underground exploration of the VCR horizon added significant Mineral Resource.	2.2
Tropicana	Exploration additions in Havana South, Tropicana and Boston Shaker and mining cost decrease due to in-pit dumping and lateral waste haulage.	1.5
Sunrise Dam	Increased due to successful exploration drilling, gold price increase and methodology changes.	1.3
AGA Mineração	Mainly the result of open pit gains at Rosalino, some underground additions and the positive results from surface drilling at Carvoaria.	1.2

Siguiri	Attributed to cost reduction, infill drilling at Seguelen, Bidini, Tubani and Kami and the inclusion of mineralised waste.	0.9
Geita	Gains due to updates of the underground Mineral Resource models and a decrease in costs.	0.9
Other	Additions less than 0.5Moz.	0.9
Sub Total		217.8
Reductions		
Moab Khotsong	Changes due to a Mineral Resource clean-up, a value drop and a revised structural interpretation.	-1.0
Kibali	Change due to a revised geological model and the constraining of the underground Mineral Resource into optimised stope shapes.	-0.8
TauTona	Mainly due to value changes and transfers out of Mineral Resource.	-0.6
Kopanang	Resulting from movements out of Mineral Resource and a value drop resulting from a revised estimation approach.	-0.6
Other	Reductions less than 0.5Moz.	-0.1
Mineral Resource as at 31 December 2016		214.7

Rounding of numbers may result in computational discrepancies.

ORE RESERVE

The AngloGold Ashanti Ore Reserve reduced from 51.7Moz in December 2015 to 50.1Moz in December 2016. This gross annual decrease of 1.6Moz includes depletion of 3.9Moz. The balance of 2.3Moz additions in Ore Reserve, results from changes in economic assumptions between 2015 and 2016 of 0.2Moz, whilst exploration and modelling changes resulted in further additions of 2.3Moz. Other factors resulted in a 0.3Moz decrease. The Ore Reserve has been estimated using a gold price of US\$1,100/oz (2015: US\$1,100/oz).

ORE RESERVE		Moz
Ore Reserve as at 31 December 2015		51.7
Depletions		-3.9
Sub Total		47.8
Additions		
Tropicana	Introduction of the Long Island project and the HA04 pit.	1.1
AGA Mineração	Ore Reserve variation due to change in costs and revenue factor as well as minor mining method and revised estimation techniques changes.	0.6
Siguiri	Mainly due to model changes.	0.5
Sunrise Dam	Increase due to revised drill spacing requirements. Vogue ore body had large increase due to the drill spacing change and additional diamond drilling.	0.4
Other	Additions less than 0.3Moz.	0.9
Sub Total		51.3
Reductions		
Kibali	Decrease is the result of a new geological model.	-0.3
Other	Reductions less than 0.3Moz.	-0.9
Ore Reserve as at 31 December 2016		50.1

Rounding of numbers may result in computational discrepancies.

BY-PRODUCTS

Several by-products will be recovered as a result of processing of the gold Ore Reserve. These include 56.0kt of uranium oxide from the South African operations, 0.42Mt of sulphur from Brazil and 18.2Moz of silver from Argentina.

CORPORATE GOVERNANCE

AngloGold Ashanti has established a Mineral Resource and Ore Reserve Steering Committee (RRSC), which is responsible for setting and overseeing the company's Mineral Resource and Ore Reserve governance framework and for ensuring that it meets the company's goals and objectives while complying with all relevant regulatory codes. Its membership and terms of references are mandated under a policy document signed off by the Chief Executive Officer.

Over more than a decade, the company has developed and implemented a rigorous system of internal and external reviews aimed at providing assurance in respect of Ore Reserve and Mineral Resource estimates. The following operations were subject to an external review in line with the policy that each operation project will be reviewed by an independent third party on average once every three years:

- Mineral Resource and Ore Reserve at South African Surface Operations
- Mineral Resource and Ore Reserve at AGA Mineração – Córrego do Sítio
- Mineral Resource and Ore Reserve at Sadiola

The external reviews were conducted by AMEC, Optiro and Snowden respectively. Certificate of competence documentation has been received for the first two audits from the companies conducting the external reviews to state that the Mineral Resource and/or Ore Reserve comply with the SAMREC and JORC Codes. A signed NI 43-101 report was provided in the case of Sadiola.

In addition, numerous internal Mineral Resource and Ore Reserve process reviews were completed by suitably qualified Competent Persons from within AngloGold Ashanti and no significant deficiencies were identified. The Mineral Resource and Ore Reserve are underpinned by appropriate Mineral Resource Management processes and protocols that ensure adequate corporate governance. These procedures have been developed to be compliant with the guiding principles of the Sarbanes-Oxley Act of 2002 (SOX).

AngloGold Ashanti makes use of a web based group reporting database called the Resource and Reserve Reporting System (R3) for the compilation and authorisation of Mineral Resource and Ore Reserve reporting. It is a fully integrated system for the reporting and reconciliation of Mineral Resource and Ore Reserve that supports various regulatory reporting requirements including the SEC and the JSE under SAMREC. AngloGold Ashanti uses R3 to ensure a documented chain of responsibility exists from the competent persons at the operations to the company's RRSC.

AngloGold Ashanti has also developed an enterprise-wide risk management tool that provides consistent and reliable data that allows for visibility of risks and actions across the group. This tool is used to facilitate, control and monitor material risks to the Mineral Resource and Ore Reserve, thus ensuring that the appropriate risk management and mitigation plans are in place.

COMPETENT PERSONS

The information in this report relating to exploration results, Mineral Resources and Ore Reserves is based on information compiled by or under the supervision of the Competent Persons as defined in the SAMREC or JORC Codes. All Competent Persons are employed by AngloGold Ashanti, except for Kibali and Morila, and have sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking. The legal tenure of each operation and project has been verified to the satisfaction of the accountable Competent Person and all Ore Reserves have been confirmed to be covered by the required mining permits or there exists a realistic expectation that these permits will be issued. This will be detailed in the 2016 Mineral Resource and Ore Reserve document.

Accordingly, the Chairman of the Mineral Resource and Ore Reserve Steering Committee, VA Chamberlain, MSc (Mining Engineering), BSc (Hons) (Geology), MGSSA, FAusIMM, assumes responsibility for the Mineral

Resource and Ore Reserve processes for AngloGold Ashanti and is satisfied that the Competent Persons have fulfilled their responsibilities. VA Chamberlain has 29 years' experience in exploration and mining and is employed full-time by AngloGold Ashanti and can be contacted at the following address: 76 Rahima Moosa Street, Newtown, 2001, South Africa.

A detailed breakdown of Mineral Resource and Ore Reserve and backup detail will be provided on the AngloGold Ashanti website (www.anglogoldashanti.com) and www.aga-reports.com.

ORE RESERVE BY REGION (ATTRIBUTABLE)

Gold as at 31 December 2016	Category	Tonnes million	Grade g/t	Contained gold	
				Tonnes	Moz
South Africa	Proved	139	0.57	79	3
	Probable	689	1.02	703	23
	Total	828	0.94	782	25
Continental Africa	Proved	30	0.73	22	1
	Probable	217	2.45	531	17
	Total	247	2.24	553	18
Australasia	Proved	23	1.23	28	1
	Probable	42	2.32	97	3
	Total	64	1.94	124	4
Americas	Proved	12	2.67	32	1
	Probable	15	4.54	66	2
	Total	27	3.69	98	3
AngloGold Ashanti total	Proved	204	0.79	161	5
	Probable	962	1.45	1,396	45
	Total	1,165	1.34	1,557	50

Rounding of figures may result in computational discrepancies.

Independent auditor's review report on the Condensed Consolidated Financial Statements for the year ended 31 December 2016 to the Shareholders of AngloGold Ashanti Limited

We have reviewed the condensed consolidated financial statements of AngloGold Ashanti Limited (the company) contained in the accompanying preliminary report on pages 18 to 31, which comprise the accompanying condensed consolidated statement of financial position as at 31 December 2016, the condensed consolidated income statement, statement of comprehensive income, statement of changes in equity and statement of cash flows for the year then ended, and selected explanatory notes.

Directors' Responsibility for the Condensed Consolidated Financial Statements

The directors are responsible for the preparation and presentation of these condensed consolidated financial statements in accordance with the requirements of the JSE Limited Listings Requirements for preliminary reports, as set out in note 1 to the financial statements, and the requirements of the Companies Act of South Africa, and for such internal control as the directors determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express a conclusion on these preliminary financial statements. We conducted our review in accordance with International Standard on Review Engagements (ISRE) 2410, which applies to a review of historical information performed by the independent auditor of the entity. This standard requires us to conclude whether anything has come to our attention that causes us to believe that the preliminary financial statements are not prepared in all material respects in accordance with the applicable financial reporting framework. This standard also requires us to comply with relevant ethical requirements.

A review of financial statements in accordance with ISRE 2410 is a limited assurance engagement. We perform procedures, primarily consisting of making enquiries of management and others within the entity, as appropriate, and applying analytical procedures, and evaluating the evidence obtained.

The procedures performed in a review are substantially less than and differ in nature from those performed in an audit conducted in accordance with International Standards on Auditing. Accordingly, we do not express an audit opinion on these preliminary financial statements.

Conclusion

Based on our review, nothing has come to our attention that causes us to believe that the condensed consolidated financial statements of the company for the year ended 31 December 2016 are not prepared, in all material respects, in accordance with the requirements of the JSE Limited Listings Requirements for preliminary reports, as set out in note 1 to the financial statements, and the requirements of the Companies Act of South Africa.

Ernst & Young Inc.
Roger Hillen - Director
Registered Auditor
Chartered Accountant (SA)
102 Rivonia Road, Sandton
Johannesburg, South Africa
20 February 2017

Group statement of comprehensive income

	Six months ended Dec 2016	Six months ended Dec 2015	Year ended Dec 2016	Year ended Dec 2015
US Dollar million	Unaudited	Unaudited	Reviewed	Audited
Profit (loss) for the period	19	63	80	(70)
Items that will be reclassified subsequently to profit or loss:				
Exchange differences on translation of foreign operations	58	(281)	180	(371)
Share of associates and joint ventures' other comprehensive income	-	1	-	1
Net (loss) gain on available-for-sale financial assets	(14)	(7)	13	(14)
Release on impairment of available-for-sale financial assets	-	4	-	9
Release on disposal of available-for-sale financial assets	(1)	(1)	(2)	(3)
Deferred taxation thereon	4	-	(2)	1
	(11)	(4)	9	(7)
Items that will not be reclassified subsequently to profit or loss:				
Actuarial gain (loss) recognised	3	12	(2)	17
Deferred taxation thereon	(1)	(2)	-	(3)
	2	10	(2)	14
Other comprehensive income (loss) for the period, net of tax	49	(274)	187	(363)
Total comprehensive income (loss) for the period, net of tax	68	(211)	267	(433)
Allocated as follows:				
Equity shareholders				
- Continuing operations	60	(220)	250	(332)
- Discontinued operations	-	4	-	(116)
Non-controlling interests				
- Continuing operations	8	5	17	15
	68	(211)	267	(433)

Rounding of figures may result in computational discrepancies.

Group statement of financial position

		As at December 2016	As at December 2015
US Dollar million	Notes	Reviewed	Audited
ASSETS			
Non-current assets			
Tangible assets		4,111	4,058
Intangible assets		145	161
Investments in associates and joint ventures		1,448	1,465
Other investments		125	91
Inventories		84	90
Trade and other receivables		34	13
Deferred taxation		4	1
Cash restricted for use		36	37
Other non-current assets		-	18
		5,987	5,934
Current assets			
Other investments		5	1
Inventories		672	646
Trade, other receivables and other assets		255	196
Cash restricted for use		19	23
Cash and cash equivalents		215	484
		1,166	1,350
TOTAL ASSETS		7,153	7,284
EQUITY AND LIABILITIES			
Share capital and premium	11	7,108	7,066
Accumulated losses and other reserves		(4,393)	(4,636)
Shareholders' equity		2,715	2,430
Non-controlling interests		39	37
Total equity		2,754	2,467
Non-current liabilities			
Borrowings		2,144	2,637
Environmental rehabilitation and other provisions		877	847
Provision for pension and post-retirement benefits		118	107
Trade, other payables and deferred income		4	5
Deferred taxation		496	514
		3,639	4,110
Current liabilities			
Borrowings		34	100
Trade, other payables, provisions and deferred income		615	516
Taxation		111	91
		760	707
Total liabilities		4,399	4,817
TOTAL EQUITY AND LIABILITIES		7,153	7,284

Rounding of figures may result in computational discrepancies.

Group statement of changes in equity

US Dollar million	Equity holders of the parent							Non-controlling interests		Total equity
	Share capital and premium	Other capital reserves	Accumulated losses	Cash flow hedge reserve	Available for sale reserve	Actuarial (losses) gains	Foreign currency translation reserve			
Balance at 31 December 2014	7,041	132	(3,109)	(1)	17	(40)	(1,195)	2,845	26	2,871
Loss for the period			(85)					(85)	15	(70)
Other comprehensive income (loss)		1			(7)	14	(371)	(363)		(363)
Total comprehensive income (loss)	-	1	(85)	-	(7)	14	(371)	(448)	15	(433)
Shares issued	25							25		25
Share-based payment for share awards net of exercised		8						8		8
Dividends of subsidiaries								-	(4)	(4)
Translation		(24)	20		(3)	7		-		-
Balance at 31 December 2015	7,066	117	(3,174)	(1)	7	(19)	(1,566)	2,430	37	2,467
Balance at 31 December 2015	7,066	117	(3,174)	(1)	7	(19)	(1,566)	2,430	37	2,467
Profit for the period			63					63	17	80
Other comprehensive income (loss) ⁽¹⁾					9	(2)	180	187		187
Total comprehensive income (loss)	-	-	63	-	9	(2)	180	250	17	267
Shares issued	42							42		42
Share-based payment for share awards net of exercised		(7)						(7)		(7)
Dividends of subsidiaries								-	(15)	(15)
Transfer to reserves			(2)			2		-		-
Translation		7	(6)		1	(2)		-	-	-
Balance at 31 December 2016	7,108	117	(3,119)	(1)	17	(21)	(1,386)	2,715	39	2,754

⁽¹⁾ Foreign currency translation reserve includes an exchange difference of \$60 million reclassified on the repayment of a loan which was designated as part of the investment in subsidiary and \$53 million arising on preference shares cancelled.

Rounding of figures may result in computational discrepancies.

Notes

for the six months and year ended 31 December 2016

1. Basis of preparation

The financial statements in this report have been prepared in accordance with the historic cost convention except for certain financial instruments which are stated at fair value. The group's accounting policies used in the preparation of these financial statements are in terms of the JSE Listings Requirements and are consistent with those used in the annual financial statements for the year ended 31 December 2016. They are also consistent with those used for the year ended 31 December 2015 as no new standards were adopted during 2016.

The financial statements of AngloGold Ashanti have been prepared in compliance with the framework concepts and the measurement and recognition requirements of IFRS, IAS 34, IFRS as issued by the International Accounting Standards Board, the South African Institute of Chartered Accountants Financial Reporting Guides as issued by the Accounting Practices Committee, Financial Reporting Pronouncements as issued by the Financial Reporting Standards Council, JSE Listings Requirements and in the manner required by the South African Companies Act, 2008 (as amended) for the preparation of financial information of the group for the year ended 31 December 2016. These financial statements should be read in conjunction with the company's audited consolidated financial statements and the notes thereto as at and for the year ended 31 December 2015.

Based on materiality, certain comparatives have been aggregated.

2. Revenue

	Six months ended Dec 2016 Unaudited	Dec 2015 Unaudited	Year ended Dec 2016 Reviewed	Dec 2015 Audited
	US Dollar million			
Gold income	2,125	1,970	4,085	4,015
By-products (note 3)	69	62	138	127
Royalties received (note 5)	8	2	9	4
Interest received	11	14	22	28
	2,213	2,048	4,254	4,174

3. Cost of sales

	Six months ended Dec 2016 Unaudited	Dec 2015 Unaudited	Year ended Dec 2016 Reviewed	Dec 2015 Audited
	US Dollar million			
Cash operating costs	1,324	1,249	2,444	2,493
By-products revenue (note 2)	(69)	(62)	(138)	(127)
	1,255	1,187	2,306	2,366
Royalties	56	47	105	100
Other cash costs	12	13	24	27
Total cash costs	1,323	1,247	2,435	2,493
Retrenchment costs	9	4	14	11
Rehabilitation and other non-cash costs	15	(19)	43	(10)
Amortisation of tangible assets	440	387	789	737
Amortisation of intangible assets	5	19	20	40
Inventory change	(29)	3	(38)	23
	1,763	1,641	3,263	3,294

Rounding of figures may result in computational discrepancies.

In compliance with the requirements of Strate, given the Company's primary listing on the JSE, the salient dates for payment of the dividend are as follows:

To holders of ordinary shares and to holders of CHESS Depositary Interests (CDIs)

Each CDI represents one-fifth of an ordinary share.

	2017
Currency conversion date for Australian dollars and Ghanaian cedis	Monday, 13 March
Last date to trade ordinary shares cum dividend	Monday, 20 March
Last date to register transfers of certificated securities cum dividend	Monday, 20 March
Ordinary shares trade ex-dividend	Wednesday, 22 March
Record date	Friday, 24 March
Payment date	Friday, 7 April

Dividends in respect of dematerialised shareholdings will be credited to shareholders' accounts with the relevant CSDP or broker.

To comply with further requirements of Strate, share certificates may not be dematerialised or rematerialised between Wednesday, 22 March 2017 and Friday, 24 March 2017, both days inclusive. No transfers between the South African, Australian and Ghana share registers will be permitted between Monday, 13 March 2017 and Friday, 24 March 2017, both days inclusive.

To holders of American Depositary Shares

Each American Depositary Share (ADS) represents one ordinary share.

	2017
Ex dividend on New York Stock Exchange	Wednesday, 22 March
Record date	Friday, 24 March
Approximate date for currency conversion	Friday, 7 April
Approximate payment date of dividend	Monday, 17 April

Assuming an exchange rate of R13.1000/\$, the gross dividend payable per ADS, which is subject to a 15% South African withholding tax, is equivalent to 10 US cents. However the actual rate of payment will depend on the exchange rate on the date for currency conversion.

To holders of Ghanaian Depositary Shares (GhDSs)

100 GhDSs represent one ordinary share.

	2017
Last date to trade and to register GhDSs cum dividend	Friday, 17 March
GhDSs trade ex-dividend	Wednesday, 22 March
Record date	Friday, 24 March
Approximate payment date of dividend	Monday, 10 April

Assuming an exchange rate of R1/¢0.33843, the gross dividend payable per share, which is subject to a 15% South African withholding tax, is equivalent to 0.43995 cedis. However, the actual rate of payment will depend on the exchange rate on the date for currency conversion.

By order of the Board

SM PITYANA
Chairman

S VENKATAKRISHNAN
Chief Executive Officer

KC RAMON
Chief Financial Officer

20 February 2017

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: February 21, 2017

AngloGold Ashanti Limited

By: /s/ M E SANZ PEREZ
Name: M E Sanz Perez
Title: EVP: Group Legal, Commercial & Governance