

HARMONY GOLD MINING CO LTD

Form 6-K

March 11, 2015

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Form 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO
RULE 13a-16 OR 15d-16 UNDER THE SECURITIES
EXCHANGE ACT OF 1934

For 11 March 2015

**Harmony Gold Mining Company
Limited**

Randfontein Office Park

Corner Main Reef Road and Ward Avenue

Randfontein, 1759

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 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

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Harmony intersects highly significant copper gold mineralisation in PNG exploration program

Johannesburg, 11 March 2015. Harmony Gold Mining Company Limited advises that it has intersected a highly significant zone of copper-gold mineralisation at the Kili Teke Exploration Prospect on one of its exclusively owned exploration licence areas in Papua New Guinea. Initial diamond drill testing of the Kili Teke prospect is currently underway. Assays received from the first 4 holes have all returned broad porphyry style copper gold intercepts with mineralisation extending to surface. The mineralisation contains higher grade intervals of copper-gold mineralisation up to 202m @ 0.74% Cu and 0.57g/t Au. At this stage the mineralisation remains open through the drill pattern over 500m, and at depth. The following intercepts have been recorded:

KTDD004:

38m @ 0.28% Cu, 0.17 g/t Au from surface

KTDD005:

255m @ 0.24% Cu, 0.15 g/t Au from 146m

KTDD006:

259m @ 0.35% Cu, 0.26 g/t Au from 172m

KTDD007:

422m @ 0.55% Cu, 0.43 g/t Au, from 131m

Including

202m @ 0.74% Cu, 0.57g/t Au, from 137m

“Our current resources are finite and it is essential to have a project pipeline that balances early-stage and more immediate prospects so as to replace reserves mined,” said Harmony’s Chief Executive Officer, Graham Briggs. “In an environment where there is very little being spent on exploration and with the paucity of new major copper and gold discoveries, the results coming from this grassroots prospect are very encouraging. Given the extent of the surface copper-gold geochemical footprint yet to be tested, there is potential to develop this find into a major copper-gold deposit similar to Golpu, OK Tedi or Frieda River which have resource cut-off grades of/around 0.2% Cu. New discoveries are one of the best avenues to create shareholder value.”

The above drill results are extracts from the exploration results. Please refer to <https://www.harmony.co.za/downloads/finish/91-files/1261-kiliteke-annexure-1> for more

detailed exploration results on Kili Teke, as required by SAMREC and The JORC Code 2012.

Competent Persons statement

The information in this announcement that relates to exploration results and other scientific and technical information are based on information compiled by Mr Mike Humphries. Mr Humphries is a full time employee of Harmony and a member of the Australian Institute of Geoscientists.

Issued by Harmony Gold

Mining Company Limited

11 March 2015

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1950/038232/06

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Mr Humphries has sufficient experience which is relevant to the styles of mineralisation and types of deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in The JORC Code 2012 and SAMREC. Mr Humphries consents to the inclusion in this announcement of the matters based on this information in the form and context in which it appears.
end.

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.

Dated: March 11, 2015

Harmony Gold Mining Company Limited

By:

/s/ Frank Abbott

Name: Frank Abbott

Title: Financial Director