

HARMONY GOLD MINING CO LTD

Form 6-K

July 31, 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 For 30 July 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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**Issued by Harmony Gold
Mining Company Limited**

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Listing codes:

JSE: HAR

NYSE: HMY

ISIN no:

ZAE000015228

Registration no: 1950/038232/06

Harmony Gold Mining Company Limited

(Harmony), a world-class gold mining

and exploration company, has

operations and assets in South Africa

and Papua New Guinea. Harmony,

which has more than 60 years'

experience in the industry, is the third

largest gold producer in South Africa.

Our assets include 9 underground

mines and 1 open pit operation and

several surface sources in South Africa.

Our assets in PNG – an open pit mine

(Hidden Valley), as well as the

significant Golpu project – are held in a

joint venture. We also own several

exploration tenements, in Papua New

Guinea.

The company's primary stock exchange

listing is on the JSE with a secondary

listing on the New York Stock

Exchange. The bulk of our shareholders

are in South Africa and the United

States. Additional information on the

company is available on the corporate

website, www.harmony.co.za.

**Superb exploration results
from Harmony's Kili Teke prospect**

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Drilling continues to return significant intervals of porphyry copper-gold mineralisation:
- KTDD013: 186m @ 1.02% Cu, 0.72 g/t Au from 256m

•
Copper gold mineralisation (defined by a 0.2% copper envelope) currently outlined over
600m of strike, in excess of 200m wide, and extends 700m below surface

•
More upside potential exists

•
Early drill intercept grades and intervals highly encouraging in context with other porphyry
copper gold deposits in the region

Johannesburg, Thursday, 30 July 2015. Harmony Gold Mining Company Limited

(

'Harmony' or 'the Company'

) is pleased to advise that additional drilling results from

its 100% owned exploration licence at its Kili Teke prospect in the Hela province in
Papua New Guinea (PNG) continues to return porphyry style mineralisation with
highly significant copper gold intercepts. More upside potential exists with
mineralisation being open at depth and along strike, and drilling to scope out the
extent and geometry of the system remains ongoing.

“

The latest drilling results from Kili Teke are extremely encouraging and confirm that
this asset is yet another fantastic copper gold find by Harmony in Papua New Guinea.
The mineralised footprint is growing as the drilling progresses, and the grades we are
seeing are similar to OK Tedi and Frieda River - with zones of higher grade stockwork
mineralisation and intervals of mineralised skarn breccia developing within the
broader envelope. In a world where new discoveries are rare, we are encouraged by
the prospect that Kili Teke could well develop into another major copper-gold
discovery” said Harmony's Chief Executive Officer, Graham Briggs.

The footprint of the mineralised zone (defined by the 0.2% copper envelope) has
currently defined over 600m of strike, in excess of 200m wide, and extends 700m
below surface. Refer to the figure below illustrating the oblique long section, showing
the footprint of the 0.2% copper envelope:

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Kili Teke's early exploration drill results including KTDD013 and KTDD007: 422m @ 0.55% Cu, 0.43 g/t Au (released on 11 March 2015), already compares favourably with deposit grades outlined for Frieda River (resources of 2.77Bt @ 0.47% Cu, 0.23 g/t Au*) and Ok Tedi (resources of 871Mt @ 0.44% Cu, 0.54 g/t Au*) in PNG.

** Data sourced from company websites*

Drilling completed since the previous release, comprises of five boreholes for a total of 3 550.3 meters (KTDD009-KTDD013). Significant intercepts include:

KTDD009:

226m @ 0.24% Cu, 0.38 g/t Au from 124m,

Including: 76m @ 0.37% Cu, 0.54g/t Au from 262m

KTDD010w1:

343.9m @ 0.33% Cu, 0.19 g/t Au from 529m

KTDD011:

562m @ 0.23% Cu, 0.17 g/t Au from 208m

KTDD012:

448m @ 0.37 % Cu, 0.27 g.t Au from 94m,

Including: 162m @ 0.43 % Cu, 0.36 g/t Au from 150m

Including: 104m @ 0.51% Cu, 0.3 g/t Au from 420m

KTDD013:

480m @ 0.63% Cu, 0.44 g/t Au from 90m (partial result)

Including:

319m @ 0.79% Cu, 0.57 g/t Au from 166m

Including:

186m @ 1.02% Cu, 0.72 g/t Au from 252m

Note: m: meters; Cu: copper; Au: gold. Full drill results are outlined in the annexures attached to this release.

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The high-grade intercept in KTDD013 (186m @ 1.02% Cu, 0.72 g/t Au from 252m) correlates with intervals of intense

quartz vein stockwork with disseminated and veinlet chalcopyrite and bornite, developed within potassic altered hornblende diorite (figure 6). The occurrence of bornite (Cu

5
FeS
4

) as part of the copper sulphide assemblage is highly significant, indicating a potential vector to the higher temperature, higher-grade core of the system. This mineralisation in hole KTDD013, together with intercepts in hole KTDD007 (202m @ 0.74% Cu, 0.57 g/t Au) and KTDD012 outline a zone of higher grade mineralisation developing within the broader 0.2% copper shell, which remains open off the grid to the north.

The above results are extracts from the full exploration results which may be viewed at <https://www.harmony.co.za/downloads/finish/91-files/1572-kili-teke-annexure> . The full results include Figure 1 (Regional geological setting showing EL2310 and the Kili Teke prospect locations) and Figure 2 (Plan view of drill holes

showing footprint of the 0.2% copper envelope) and Figures 3,4,5,6 and Annexure 2 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. 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.

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: July 30, 2015

Harmony Gold Mining Company Limited

By:

/s/ Frank Abbott

Name: Frank Abbott

Title: Financial Director