## BARRICK GOLD CORP

## Form 6-K

March 25, 2009
QuickLinks -- Click here to rapidly navigate through this document

## 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

For the month of: March, 2009
Commission File Number: 1-9059

## BARRICK GOLD CORPORATION

(Name of Registrant)<br>Brookfield Place, TD Canada Trust Tower<br>Suite 3700<br>161 Bay Street, P.O. Box 212<br>Toronto, Ontario<br>Canada M5J 2S1<br>(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:

$$
\text { Form 20-F o } \quad \text { Form 40-F ý }
$$

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): $\qquad$

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): $\qquad$

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 o No ý
If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): N/A

## 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.

# BARRICK GOLD CORPORATION 

Date: March 25, 2009

By: /s/FAITH T. TEO
Name: Faith T. Teo
Title: Senior Counsel and Assistant
Corporate Secretary

## EXHIBIT

## Exhibit

99.1

Description of Exhibit
99.2

Barrick Gold Corporation's 2008 Annual Report
Consent of PricewaterhouseCoopers LLP

QuickLinks
SIGNATURES
EXHIBIT

