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)

Brookfield Place, TD Canada Trust Tower Suite 3700 161 Bay Street, P.O. Box 212 Toronto, Ontario Canada M5J 2S1

(Address of Principal Executive Offices)

indicate by check mark whether the r	egistrant files or will file annual reports under c	cover of Form 20-F or Form 40-F:
	rm 20-F o ant is submitting the Form 6-K in paper as perm	Form 40-F ý itted by Regulation S-T Rule 101(b)(1):
Indicate by check mark if the registra	ant is submitting the form 6-K in paper as permi	tted by Regulation S-T Rule 101(b)(7):
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:		
If "Yes" is marked, indicate below the	Yes o e file number assigned to the registrant in conne	No ý ection with Rule 12g3-2(b): N/A

INCORPORATION BY REFERENCE

The Registrant's Notice of Annual Meeting of Shareholders and Management Proxy Circular dated March 17, 2009 and included as Exhibit 99.1 of this Form 6-K (Commission File No. 1-9059) furnished to the Commission on March 25, 2009 are incorporated by reference into the Registration Statement on Form F-9 and Form F-3 of the Registrant, Barrick North America Finance LLC and Barrick Gold Financeco LLC (File Nos. 333-151327, 333-151327-02 and 333-151327-01).

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

Description of ExhibitBarrick Gold Corporation's Notice of Annual Meeting of Shareholders and Management Proxy Circular dated March 17, 2009 99.1

QuickLinks

INCORPORATION BY REFERENCE SIGNATURES EXHIBIT