

ENERPLUS RESOURCES FUND

Form 6-K

February 25, 2010

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FORM 6-K

SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

Report of Foreign Issuer pursuant to Rule 13-a-16 or 15d-16 of the Securities Exchange Act of 1934

FOR THE MONTH OF February, 2010

COMMISSION FILE NUMBER 1-15150

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Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Form 20-F

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

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

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

No

EXHIBIT INDEX

EXHIBIT 99.1 Audited Consolidated Financial Statements of Enerplus Resources Fund as at and for the Fiscal Years Ended December 31, 2009 and 2008

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EXHIBIT INDEX

SIGNATURE