

Jaguar Mining Inc  
Form 6-K  
May 17, 2011

---

---

FORM 6-K

SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

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

For the month of May 2011  
Commission File Number 001-33548

JAGUAR MINING INC.

---

Rua Levindo Lopes 323 - Funcionários  
CEP 30140-170 - Belo Horizonte - MG - Brazil  
(31) 3232-7100

---

(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  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):

Note: Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

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):

Note: Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.



EXHIBIT INDEX

| Exhibit Number | Description of Exhibit  |
|----------------|---|
| 99.1           | Jaguar Mining First Quarter Condensed Interim Consolidated Financial Statements for the Period Ended March 31, 2011 |
| 99.2           | Jaguar Mining First Quarter Management's Discussion and Analysis for the Period Ended March 31, 2011                |
| 99.3           | CEO Certificate   |
| 99.4           | CFO Certificate   |

This Report on Form 6-K is incorporated by reference into the Registration Statement on Form S-8 of the Registrant, which was filed with the Securities and Exchange Commission on July 31, 2007, File No. 333-144969.

---

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.

JAGUAR MINING INC.

Date: May 17, 2011

By: /s/ Robert J. Lloyd  
Name: Robert J.  
Lloyd  
Title: Corporate  
Secretary