CRDENTIA CORP Form 8-K April 13, 2006

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

FORM 8-K

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): April 13, 2006

CRDENTIA CORP.

(Exact name of registrant as specified in its charter)

Delaware (State or Other Jurisdiction of Incorporation) **000-31152** (Commission File Number)

76-0585701 (I.R.S. Employer Identification Number)

14114 Dallas Parkway, Suite 600 Dallas, Texas 75254

(Address of Principal Executive Offices) (Zip Code)

(972) 850-0780

(Registrant s telephone number, including area code)

(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (*see* General Instruction A.2. below):

- o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 7.01. Regulation FD Disclosure.

On April 13, 2006, Crdentia Corp. sought waivers and amendments to 8% Convertible Debentures due January 6, 2009 (the Debentures). The Debentures were issued by Crdentia Corp. on January 6, 2006. In connection with such waivers and amendments, Crdentia Corp. provided to the holders of the Debentures the documents furnished with this report as Exhibits 99.1 and 99.2.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

- 99.1 Memorandum to Holders of 8% Convertible Debentures due January 6, 2009
- 99.2 Memorandum to Holders of Warrants to Purchase Common Stock.

2

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 hereunto duly authorized.

CRDENTIA CORP.

April 13, 2006 By: /s/ James J. TerBeest

James J. TerBeest Chief Financial Officer

3