

INTERNATIONAL ISOTOPES INC  
Form 8-K  
April 18, 2007

**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
**WASHINGTON, D.C. 20549**

**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 18, 2007

**INTERNATIONAL ISOTOPES INC.**

*(Exact Name of Registrant as Specified in Its Charter)*

**TEXAS**

*(State or other jurisdiction of  
incorporation)*

**0-22923**

*(Commission File Number)*

**74-2763837**

*(IRS Employer Identification No.)*

**4137 Commerce Circle**  
**Idaho Falls, Idaho**

*(Address of Principal Executive Offices)*

**83401**

*(Zip Code)*

**208-524-5300**

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(Registrant's Telephone Number, Including Area Code)

N/A

(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:

Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

**Item 8.01**

**Other Events**

On April 18, 2007, the Company issued a press release regarding its investment in RadQual L.L.C. A copy of the press release is attached as Exhibit 99.1

**Item 9.01**

**Financial Statements and Exhibits**

**(c) Exhibits**

**99.1**

Press Release issued by International Isotopes, Inc. dated April 18, 2007.

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**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.

**International Isotopes, Inc.**

Date: April 18, 2007

By: /s/ Steve T. Laflin

Steve T. Laflin

President and Chief Executive Officer