NANOGEN INC Form SC 13G/A February 13, 2007

Notes).

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G (Amendment No. 2)*

Under the Securities Exchange Act of 1934

Nanogen, Inc.
(Name of Issuer)
Common Stock, par value \$0.001 per share
(Title of Class of Securities)
630075109
(CUSIP Number)
December 31, 2006
(Date of Event Which Requires Filing of this Statement)
Check the appropriate box to designate the rule pursuant to which this Schedule 13G is filed:
[] Rule 13d-1(b) [X] Rule 13d-1(c) [] Rule 13d-1(d)
*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

CUSIP No. 630075109

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the

(1)Names of Reporting Persons. I.R.S. Identification Nos. of Above Persons (entities only): Fort Mason Capital, LLC Check the Appropriate Box if a Member of a Group (See Instructions) (b) SEC Use Only (4) Citizenship or Place of Organization: Delaware Number of Shares Beneficially Owned by Each Reporting Person With (5) Sole Voting Power: 1,331,830* ______ (6) Shared Voting Power: _____ (7) Sole Dispositive Power: 1,331,830* _____ (8) Shared Dispositive Power: ______ ______ Aggregate Amount Beneficially Owned by Each Reporting Person: 1,331,830* Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See (10)Instructions): N/A Percent of Class Represented by Amount in Row (9): 2.0%* (11)______ (12) Type of Reporting Person (See Instructions): IA * As of December 31, 2006, Fort Mason Master, LP, a Cayman Islands limited partnership ("Master"), and Fort Mason Partners, LP, a Delaware limited partnership ("Partners" and, together with Master, the "Funds"), held in the aggregate 566,524 shares of the common stock, par value \$0.001 per share (the "Shares"), of Nanogen, Inc., a Delaware corporation (the "Company"), and warrants that entitle the Funds to purchase up to an aggregate of 765,306 additional Shares at an exercise price of \$4.00 per share. Fort Mason Capital, LLC, a Delaware limited liability company ("Capital"), serves as the investment manager of the Funds and possesses the sole power to vote and the sole power to direct the disposition of all securities of the Company held by the Funds. Thus, as of December 31, 2006, for the purposes of Reg. Section 240.13d-3, Capital is deemed to beneficially own 1,331,830 Shares, or 2.0% of the Shares deemed issued and outstanding as of that date.

Item 1(a). Name Of Issuer. Nanogen, Inc.

Item 1(b). Address of Issuer's Principal Executive Offices.

10398 Pacific Center Court, San Diego, CA 92121

- Item 2(a). Name of Person Filing. Fort Mason Capital, LLC
- Item 2(b). Address of Principal Business Office or, if None, Residence. Four Embarcadero Center, Suite 2050, San Francisco, CA 94111
- Item 2(c). Citizenship. Delaware
- Item 2(d). Title of Class of Securities. Common Stock, par value \$0.001 per share
- Item 2(e). CUSIP No. 630075109
- Item 4. Ownership.
 - (a) Amount Beneficially Owned (as of December 31, 2006) 1,331,830*
 - (b) Percent of Class (as of December 31, 2006) 2.0%*
 - (c) Number of Shares as to which the person has:
 - (i) sole power to vote or to direct the vote 1,331,830*
 - (ii) shared power to vote or to direct the vote

 - (iv) shared power to dispose or to direct the disposition of $$\rm 0$$
- * As of December 31, 2006, Fort Mason Master, LP, a Cayman Islands limited partnership ("Master"), and Fort Mason Partners, LP, a Delaware limited partnership ("Partners" and, together with Master, the "Funds"), held in the aggregate 566,524 shares of the common stock, par value \$0.001 per share (the "Shares"), of Nanogen, Inc., a Delaware corporation (the "Company"), and warrants that entitle the Funds to purchase up to an aggregate of 765,306 additional Shares at an exercise price of \$4.00 per share. Fort Mason Capital, LLC, a Delaware limited liability company ("Capital"), serves as the investment manager of the Funds and possesses the sole power to vote and the sole power to direct the disposition of all securities of the Company held by the Funds. Thus, as of December 31, 2006, for the purposes of Reg. Section 240.13d-3, Capital is deemed to beneficially own 1,331,830 Shares, or 2.0% of the Shares deemed issued and outstanding as of that date.
- Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the

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date hereof the reporting person has ceased to be the beneficial $\ owner\ of\ more$ than five percent of the class of securities, check the following. [X]

Item 6. Ownership of More Than Five Percent on Behalf of Another Person.

Not Applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.

Not Applicable.

Item 8. Identification and Classification of Members of the Group.

Not Applicable.

Item 9. Notice of Dissolution of Group.

Not Applicable.

Item 10. Certification.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of such securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

February 13, 2007

FORT MASON CAPITAL, LLC

By:/s/ Dan German

Name: Dan German

Name: Dan German
Title: Managing Member

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001)