NANOGEN INC Form SC 13G/A February 14, 2005

the Notes).

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

SCHEDULE 13G/A

UNDER THE SECURITIES EXCHANGE ACT OF 1934

(AMENDMENT NO. 1 - EXIT FILING) \*

(AMENDMENT NO. 1 - EXIT FILING) *
NANOGEN, INC.
(Name of Issuer)
COMMON STOCK, PAR VALUE \$0.001 PAR SHARE
(Title of Class of Securities)
630075 10 9
(CUSIP Number)
DECEMBER 31, 2004
(Date of Event Which Requires Filing of this Statement)
Check the appropriate box to designate the rule pursuant to which this Schedule 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 could alter the disclosures provided in a prior cover page.
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

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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

13G/A	

CUSIP NO. 630075	5 10 9	PAGE 2 OF 9 PAGES
	PORTING PERSON R.S. IDENTIFICATION NOS. OF ABOVE PERSON	
Sage	Capital Growth, Inc.	
2 CHECK THE A	APPROPRIATE BOX IF A MEMBER OF A GROUP*	(a)  X  (b)  _
3 SEC USE ONL		
4 CITIZENSHIP	OR PLACE OF ORGANIZATION	
NUMBER OF SHARES BENEFICIALLY DWNED BY EACH REPORTING PERSON WITH	5 SOLE VOTING POWER  0 6 SHARED VOTING POWER  142,993 shares of Common Stock  7 SOLE DISPOSITIVE POWER  0 8 SHARED DISPOSITIVE POWER  See Row 6 above	
	MOUNT BENEFICIALLY OWNED BY EACH REPORT	'ING PERSON
10 CHECK BOX I	F THE AGGREGATE AMOUNT IN ROW (9) EXCLU	DES CERTAIN SHARES*[_]
0.4% as of Stock issue	CLASS REPRESENTED BY AMOUNT IN ROW (9)  December 31, 2004. (Based on 33,892,892 ed and outstanding as reported in the Is  Torm 10-Q dated November 11, 2004.)	
12 TYPE OF REP	ORTING PERSON *	

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		Page 2 of 9 Pages		
		13G/A		
CUSIP NO. 63007		-	PAGE	3 OF 9 PAGES
	PORTING PERSON R.S. IDENTIFICE	ATION NOS. OF ABOVE PERSONS	5	
Main	field Enterpris	ses, Inc.		
2 CHECK THE	APPROPRIATE BOX	X IF A MEMBER OF A GROUP*		
2 CHECK THE MITKOTKIME BOX IT MIMMENT OF MICKED				<u>                                   </u>
3 SEC USE ON	LY			
4 CITIZENSHI	P OR PLACE OF (	DRGANIZATION		
Brit	ish Virgin Isla	and		
NUMBER OF	5 SOLE VOTI	ING POWER		
SHARES BENEFICIALLY	0			
OWNED BY EACH	6 SHARED VC	OTING POWER		
REPORTING	142 <b>,</b> 993 s	shares of Common Stock		
PERSON WITH	7 SOLE DISE	POSITIVE POWER		

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

8 SHARED DISPOSITIVE POWER

See Row 6 above

See Row 6 above

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\*[\_] \_\_\_\_\_\_ 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.4% as of December 31, 2004. (Based on 33,892,892 shares of Common Stock issued and outstanding as reported in the Issuer's Quarterly Report on Form 10-Q dated November 11, 2004.) 12 TYPE OF REPORTING PERSON\* CO Page 3 of 9 Pages This is the final amendment to this Schedule 13G and an exit filing with respect to each Reporting Person listed in Item 2(a). ITEM 1. (a) Name of Issuer NANOGEN, INC. Address of Issuer's Principal Executive Offices: (b) 10398 Pacific Center Court San Diego, CA 92121 ITEM 2. Name of Persons Filing: (a) Sage Capital Growth, Inc. ("Sage") Mainfield Enterprises, Inc. ("Mainfield") (b) Address of Principal Business Office: Sage: 660 Madison Avenue, 18th floor New York, New York 10021 Icaza, Gonzalez-Ruiz & Aleman (BVI) Trust Limited, Wickhams Cay I, Vanterpool Plaza P.O. Box 873, Road Town Tortolla, British Virgin Islands Citizenship: (C) Sage:

New York

Mainfield: British Virgin Islands

(d) Title of Class of Securities:

Common Stock, par value \$0.001 per share

(e) CUSIP Number: 630075 10 9

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- ITEM 3. IF THIS STATEMENT IS FILED PURSUANT TO RULE 13D-1(B), OR 13D-2(B), CHECK WHETHER THE PERSON FILING IS A:
  - (a) |\_| Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
  - (b)  $|\_|$  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
  - (c)  $|\_|$  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
  - (d)  $|\_|$  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8).

  - (f)  $| \_ |$  An employee benefit plan or endowment fund in accordance with Section 240.13d-1(b)(1)(ii)(F);
  - (g)  $|\_|$  A parent holding company or control person in accordance with Section 240.13d-1(b) (1) (ii) (G);

  - (i) |\_| A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
  - (j)  $|\_|$  Group, in accordance with Section 240.13d-1(b)(1)(ii)(J).

#### ITEM 4. OWNERSHIP

(a) Amount Beneficially Owned

142,993 shares of Common Stock

(b) Percent of Class

0.4% as of December 31, 2004. (Based on 33,892,892 shares of Common Stock issued and outstanding as reported in the Issuer's Quarterly Report on Form 10-Q dated November 11, 2004.)

- (c) Number of shares as to which the person has:
  - (i) Sole power to vote or direct the vote:

0

(ii) Shared power to vote or direct the vote:

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See Item 4(a) above.

- (iii) Sole power to dispose or to direct the disposition of:  $\begin{tabular}{ll} \begin{tabular}{ll} \be$ 
  - (iv) Shared power to dispose or to direct the disposition of: See Item  $4\,(a)$  above.
- 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 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

Inapplicable

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP

See the Joint Filing Agreement attached hereto as an Exhibit.

ITEM 9. NOTICE OF DISSOLUTION OF THE GROUP

Inapplicable

ITEM 10. CERTIFICATION

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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 the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

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#### 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.

Dated this 14th day of February, 2005

SAGE CAPITAL GROWTH, INC.

By: /s/ Avi Vigder

\_\_\_\_\_

Name: Avi Vigder

Title: Authorized Signatory

MAINFIELD ENTERPRISES, INC.

By: By: /s/ Avi Vigder

\_\_\_\_\_

Name: Avi Vigder

Title: Authorized Signatory

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#### JOINT FILING AGREEMENT

In accordance with rule 13d-1(k)(1) of the Securities Exchange Act of 1934, as amended, the undersigned hereby agree to the joint filing with each other of the attached statement on Schedule 13G, and all amendments thereto, and that such statement, and all amendments thereto, is made on behalf of each of them

IN WITNESS WHEREOF, the undersigned hereby executed this agreement on February 14, 2005.

Sage Capital Growth, Inc.

/s/ Avi Vigder

\_\_\_\_\_

Name: Avi Vigder

Title: Authorized Signatory

Mainfield Enterprises, Inc.

/s/ Avi Vigder

\_\_\_\_\_

Name: Avi Vigder

Title: Authorized Signatory

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