GEN PROBE INC Form SC 13G/A February 08, 2012

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934
(Amendment No.5) *
GEN PROBE INC
(Name of Issuer)
Common Stock
(Title of Class of Securities)
36866T103
(CUSIP Number)
December 31, 2011
(Date Of Event which Requires Filing of this Statement

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- [x] Rule 13d-1(b)
 [] 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.

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 Notes).

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1745 (3-06)

CUSIP	No.36866T10	3			13G			Pa	age 2	2 of	8	Pages
1.	<pre>1. NAME OF REPORTING PERSON: I.R.S. IDENTIFICATION NO. OF ABOVE PERSON: Morgan Stanley I.R.S. #36-3145972</pre>											
2.	CHECK THE	APPROPRI	ATE BOX	IF A	A MEMBER	OF A (GROUP:					
	(a) []											
	(b) []											
3.	SEC USE ON	LY:										
4.	CITIZENSHI	P OR PLA	CE OF C	RGAN	IZATION:							
	The state	of organ	ization	isl	Delaware	•						
S	BER OF HARES	5. SO:	LE VOTI 355,475		OWER:							
OW	EACH	6. SH	ARED VC	TING	POWER:							
REPORTING PERSON WITH:	ERSON		 LE DISP 394,366		IVE POWE	 R:						
		8. SHA	ARED DI	SPOS	ITIVE PO	WER:						
9.	AGGREGATE 1,394,366	AMOUNT B	ENEFICI	ALLY	OWNED B	Y EACH	REPORTING	F PER	SON:			
10.	CHECK BOX	IF THE A	GGREGAT	E AM	NI TNUC	ROW (9)) EXCLUDES	CER	 ΓΑΙΝ	SHA	RES	:
	[]											
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9): 3.0%											
12.	TYPE OF REPORTING PERSON: HC, CO											
CUSIP	No.36866T10	3			13G			Pa	age :	3 of	8	Pages
1.	. NAME OF REPORTING PERSON: I.R.S. IDENTIFICATION NO. OF ABOVE PERSON:											
	Morgan Stanley Investment Management Inc. I.R.S. #13-3040307											
2.	CHECK THE	APPROPRI	ATE BOX	IF A	 A MEMBER	OF A (GROUP:					

	(a) []								
	(b) []								
3.	SEC USE ON	NLY:							
4.	CITIZENSH	 [P OR F	LACE OF ORGANIZATI	ON:					
	The state	of org	ganization is Delaw	are.					
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:		5.							
		6. SHARED VOTING POWER:							
			7. SOLE DISPOSITIVE POWER: 1,394,366						
		8.	8. SHARED DISPOSITIVE POWER: 0						
	AGGREGATE 1,394,366	AMOUNT	BENEFICIALLY OWNE	D BY EACH REPOR'	 ΓING PERSON:				
10.	CHECK BOX	IF THE	AGGREGATE AMOUNT	IN ROW (9) EXCL	JDES CERTAIN SHARES:				
	[]								
	PERCENT OF	CLASS	REPRESENTED BY AM	OUNT IN ROW (9)	:				
12.	TYPE OF RE	EPORTIN	G PERSON:						
CUSIP No.36866T103			13G		Page 4 of 8 Pages				
Item 1.	. (a)	Name	of Issuer:						
		GEN F	ROBE INC						
	(b)	Addre	ess of Issuer's Pri	ncipal Executive	e Offices:				
		10210 GENETIC CENTER DR SAN DIEGO CA 92121							
Item 2. (a) 1		Name	Name of Person Filing:						
			Morgan Stanley Morgan Stanley Inve	stment Managemen	nt Inc.				
	(b)	Addre	ess of Principal Bu	siness Office,	or if None, Residence:				
			585 Broadway Jew York, NY 10036						

		(2)	522 Fifth Avenue New York, NY 10036							
	(c)	Cit	Citizenship: (1) The state of organization is Delaware. (2) The state of organization is Delaware.							
	(d)	Ti	Title of Class of Securities:							
		Cor	Common Stock							
	(e)	CU	CUSIP Number:							
		36	36866T103							
Item 3.	If this statement is filed pursuant to Sections 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:									
	(a) []	Broker or dealer registered un (15 U.S.C. 780).	nder Section 15 of the Act						
	(b) []	Bank as defined in Section 3(a (15 U.S.C. 78c).	a)(6) of the Act						
	(c) []	Insurance company as defined i (15 U.S.C. 78c).	n Section 3(a)(19) of the Act						
	(d) []	Investment company registered Investment Company Act of 1940							
	(e) [[x]	An investment adviser in accor 240.13d-1(b)(1)(ii)(E); Morgan Stanley Investment Mana							
	(f) []	An employee benefit plan or en with Section 240.13d-1(b)(1)(i							
	(g) [[x]	A parent holding company or co with Section 240.13d-1(b)(1)(i Morgan Stanley							
	(h) []	A savings association as defin Federal Deposit Insurance Act							
	(i) []	A church plan that is excluded investment company under Secti Investment Company Act of 1940	on 3(c)(14) of the						
	(j) []	Group, in accordance with Sect	ion 13d-1(b)(1)(ii)(J).						
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Item 4. Ownership as of December 31, 2011.*

(a) Amount beneficially owned: See the response(s) to Item 9 on the attached cover page(s).

- (b) Percent of Class: See the response(s) to Item 11 on the attached cover page(s).
- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote: See the response(s) to Item 5 on the attached cover page(s).
 - (ii) Shared power to vote or to direct the vote:
 See the response(s) to Item 6 on the attached cover page(s).
 - (iii) Sole power to dispose or to direct the disposition of:
 See the response(s) to Item 7 on the attached cover page(s).
 - (iv) Shared power to dispose or to direct the disposition of:
 See the response(s) to Item 8 on the attached cover page(s).
- Item 5. Ownership of Five Percent or Less of a Class.
 - (1) As of the date hereof, Morgan Stanley has ceased to be the beneficial owner of more than five percent of the class of securities.
 - (2) As of the date hereof, Morgan Stanley Investment Management Inc. has ceased to be the beneficial owner of more than five percent of the class of securities.
- 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.

See Exhibit 99.2

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 acquired and are held in the ordinary course of business and 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.

* In Accordance with the Securities and Exchange Commission Release No. 34-39538 (January 12, 1998) (the "Release"), this filing reflects the securities beneficially owned, or that may be deemed to be beneficially owned, by certain operating units (collectively, the "MS Reporting Units") of Morgan Stanley and its subsidiaries and affiliates (collectively, "MS"). This filing does not reflect securities, if any, beneficially owned by any operating units of MS whose ownership of securities is disaggregated from that of the MS Reporting Units in accordance with the Release.

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		Signature.					
			ledge and belief, I certify true, complete and correct.				
Date:	February 8, 2012						
Signature:	/s/ Michael Lees						
Name/Title: Michael Lees/Authorized Signatory, Morgan Stanley							
MORGAN STANLEY							
Date:	February 8, 2012						
Signature:	/s/ Mary Ann Picci	otto					
Name/Title: Mary Ann Picciotto/Chief Compliance Officer, Morgan Stanley Investment Management Inc.							
	MORGAN STANLEY INV	ESTMENT MANAGEMENT IN	c.				
EXHIBIT NO.		EXHIBITS	PAGE				
99.1		Joint Filing Agreemen	t 7				
99.2		Item 7 Information	8				
	n. Intentional miss olations (see 18 U.		s of fact constitute federal				
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	JO	NO. 99.1 TO SCHEDULE					
		February 8, 2012					

MORGAN STANLEY and MORGAN STANLEY INVESTMENT MANAGEMENT INC., hereby agree that, unless differentiated, this

Schedule 13G is filed on behalf of each of the parties.

MORGAN STANLEY

BY: /s/ Michael Lees

Michael Lees/Authorized Signatory, Morgan Stanley

MORGAN STANLEY INVESTMENT MANAGEMENT INC.

BY: /s/ Mary Ann Picciotto

Mary Ann Picciotto/Chief Compliance Officer, Morgan Stanley
Investment Management Inc.

* Attention. Intentional misstatements or omissions of fact constitute federal criminal violations (see 18 U.S.C. 1001).

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EXHIBIT NO. 99.2

ITEM 7 INFORMATION

The securities being reported on by Morgan Stanley as a parent holding company are owned, or may be deemed to be beneficially owned, by Morgan Stanley Investment Management Inc., an investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E) as amended. Morgan Stanley Investment Management Inc. is a wholly-owned subsidiary of Morgan Stanley.