MIMEDX GROUP, INC.

Form 4

December 18, 2013

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

OMB

Expires:

Check this box if no longer subject to

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

3235-0287 Number: January 31,

OMB APPROVAL

Section 16. Form 4 or Form 5

SECURITIES

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

response... 0.5

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading PETIT PARKER H Issuer Symbol MIMEDX GROUP, INC. [MDXG] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction

C/O MIMEDX GROUP, INC., 1775 WEST OAK COMMONS CT

(Month/Day/Year) X Director X 10% Owner __Other (specify X_ Officer (give title 12/16/2013 below) Chief Executive Officer

Person

(Street) 4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

MARIETTA, GA 30062

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Form: Direct Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially (D) or Beneficial (Month/Day/Year) Indirect (I) Ownership (Instr. 8) Owned Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) (Instr. 3 and 4) Amount (D) Price Common 12/16/2013 G 38.173 5,777,847 (1) Stock

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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	2.	3. Transaction Date		4.	5.	6. Date Exerc		7. Titl		8. Price of	9. Nu
Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	(Month/Day/Year)	Execution Date, if any (Month/Day/Year)	Transact Code (Instr. 8)	orNumber of Derivativ Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	:		Amou Under Securi (Instr.	lying	Derivative Security (Instr. 5)	Deriv Secur Bene Own Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
reporting owner runner runners	Director	10% Owner	Officer	Other			
PETIT PARKER H C/O MIMEDX GROUP, INC. 1775 WEST OAK COMMONS CT MARIETTA, GA 30062	X	X	Chief Executive Officer				

Signatures

/s/ Michael J. Senken, by Power of Attorney 12/18/2013

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Number of shares held directly by Mr. Petit, including 106,000 shares of restricted stock which vest in equal installments over three years. Mr. Petit also beneficially owns 150,000 shares held by The Parker H. Petit Grantor Trust, of which he serves as Trustee; 150,000 shares

(1) held by Petit Investments LP of which he serves as General partner and limited partner and possesses shared voting and investment control; 975,000 shares held by Cox Road Partners II LLP, 975,000 shares help by Cox Road Partners LLLP and 975,000 shares held by Petit Investments LLLP II, Limited Liability Partnerships over which Mr. Petit possesses sole voting and investment control.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Reporting Owners 2