PETIT PARKER H Form 4 April 19, 2011

FORM 4

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Form 5 obligations may continue. See Instruction See Instruction 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

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 (Month/Day/Year) Director X 10% Owner X_ Officer (give title _ Other (specify C/O MIMEDX GROUP, INC., 811 02/28/2011 below) LIVINGSTON COURT, SUITE B Chief Executive Officer (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting MARIETTA, GA 30067 Person (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 2. Transaction Date 2A. Deemed 4. Securities Acquired 5. Amount of

1. Title of 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of (D) Securities Ownership Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Direct Beneficial (Month/Day/Year) (Instr. 8) Owned (D) or Ownership Following Indirect (I) (Instr. 4) Reported (Instr. 4) (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price Common $P^{(3)}$ 02/28/2011 406,664 4,036,922 (1) 0.98Stock

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

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SEC 1474

(9-02)

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

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 Title of 	2.	3. Transaction Date	3A. Deemed	4.	5. Number of	Date Exercisable and		7. Title and Amount	
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactiorDerivative		Expiration Date		Underlying Securitie	
Security	or Exercise		any	Code	Securities	(Month/Day/Year)		(Instr. 3 and 4)	
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Acquired (A) or				
	Derivative				Disposed of (D)				
	Security				(Instr. 3, 4, and				
					5)				
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amous Number Shares
Stock Option	\$ 1.23	03/18/2011		A	300,000	03/18/2012(2)	03/18/2021	Common Stock	300,0

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

PETIT PARKER H

C/O MIMEDX GROUP, INC.
811 LIVINGSTON COURT, SUITE B

Relationships

Other

Chief Executive Officer

Signatures

MARIETTA, GA 30067

/s/ Michael J. Senken, by Power of Attorney 04/08/2011

**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. Mr. Petit also beneficially owns 150,000 shares held by the Parker H. Petit Grantor Trust, of which he serves as the Trustee; 150,000 shares held by Petit Investments LP of which he serves as General Partner and Limited Partner

- (1) and possesses shared voting and investment control; and 975,000 shares held by Cox Road Partners II LLP, 975,000 shares held by Cox Road Partners LLLP, and 975,000 shares held by Petit Investments LLLP II, limited liability limited partnerships over which Mr. Petit possesses sole voting and investment control.
- (2) The stock option vests one-third on March 18, 2012, one-third on March 18, 2013 and one-third on March 18, 2014.
- (3) Mr. Petit exercized his option to convert two 5% Convertible Promissory Notes effective 2/28/2011.

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.

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