

VITAL IMAGES INC  
Form 4  
March 14, 2007

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
Expires: January 31, 2005  
Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
CANAKES STEVEN P

(Last) (First) (Middle)  
5850 OPUS PARKWAY, SUITE 300  
(Street)

MINNETONKA, MN 55343

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
VITAL IMAGES INC [VTAL]

3. Date of Earliest Transaction (Month/Day/Year)  
03/12/2007

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
Exec VP - Global Sales

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

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(D)	Price
Common stock <sup>(3)</sup>	03/12/2007		M		5,000	A	\$ 4.75
Common stock <sup>(3)</sup>	03/12/2007		S		5,000	D	\$ 32.6781
Common stock <sup>(3)</sup>	03/12/2007		M		25,000	A	\$ 7.3438
Common stock <sup>(3)</sup>	03/12/2007		S		22,000	D	\$ 32.6781

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

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 1474  
(9-02)

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	Amount or Number of Shares
Employee stock option (right to buy)	\$ 4.75	03/12/2007		M	5,000	<u>(1)</u> 05/12/2007	Common stock	5,000
Employee stock option (right to buy)	\$ 7.3438	03/12/2007		M	25,000	<u>(4)</u> 05/11/2008	Common stock	25,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
CANAKES STEVEN P 5850 OPUS PARKWAY SUITE 300 MINNETONKA, MN 55343			Exec VP - Global Sales	

## Signatures

/s/ Steven P  
Canakes

03/14/2007

\*\*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).

(1) Original grant of 35,000 vested as to 28% on May 12, 2000, and 2% per month until fully vested.

(2) In addition, Mr. Canakes has other options totaling 101,000 at various prices and expiration dates.

(3) Transaction made pursuant to plan adopted under Rule 10b5-1.

(4) Original grant of 25,000 vested as to 28% on May 11, 2001, and 2% per month until fully vested.

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.