HMS HOLDINGS CORP

Form 4

March 25, 2010

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5

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

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

1(b).

(Print or Type Responses)

1. Name and A LUCIA WII	Address of Repo LLIAM C	rting Person *	2. Issuer Name and Ticker or Trading Symbol HMS HOLDINGS CORP [HMSY]	5. Relationship of Reporting Person(s) to Issuer		
(Last) (First) (Middle		(Middle)	3. Date of Earliest Transaction	(Check all applicable)		
401 PARK AVENUE SOUTH			(Month/Day/Year) 03/24/2010	_X_ Director 10% Owner _X_ Officer (give title Other (specify below) Chief Executive Officer		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
NEW YORK, NY 10016			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		
(City)	(State)	(Zip)	Toble I Non Derivative Securities Age	vuined Disposed of an Peneficially Owner		

(City)	(State)	Zip) Table	e I - Non-D	erivative	Secur	ities Acqu	uired, Disposed of	f, or Beneficial	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)			5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
C			Code V	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		
Common Stock	03/24/2010(1)		M	2,332	A	\$ 3.41	54,906 (2)	D	
Common Stock	03/24/2010(1)		S	2,332	D	\$ 51.22	54,674 (2)	D	
Common Stock	03/24/2010(1)		M	668	A	\$ 2.92	55,342	D	
Common Stock	03/24/2010(1)		S	668	D	\$ 51.22	54,674	D	
Common Stock	03/24/2010(1)		M	5,000	A	\$ 6.95	59,674	D	

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Common Stock $03/24/2010\underline{^{(1)}}$ S 5,000 D 51.22 54,674 D

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)

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. Transacti Code (Instr. 8)	Secu Acq (A) Disp (D)	or cosed of er. 3, 4,	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	' (A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Non Qualified Stock Option (Right To Buy)	\$ 3.41	03/24/2010(1)		M		2,332	12/19/2002 <u>(3)</u>	12/19/2012	Common Stock	2,332
Incentive Stock Option (Right To Buy)	\$ 2.92	03/24/2010(1)		M		668	11/04/2003(3)	11/04/2013	Common Stock	668
Incentive Stock Option (Right To Buy)	\$ 6.95	03/24/2010(1)		M		5,000	04/14/2005(3)	04/14/2015	Common Stock	5,000

Reporting Owners

Reporting Owner Name / Address	Relationships							
•	Director	10% Owner	Officer	Other				
LUCIA WILLIAM C 401 PARK AVENUE SOUTH	X		Chief Executive Officer					

Reporting Owners 2

NEW YORK, NY 10016

Signatures

Walter D. Hosp by Power of Attorney for William C.
Lucia 03/25/2010

**Signature of Reporting Person

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) The transactions reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on March 11, 2010.

Date

- (2) Of which 31,980 are restricted stock awards granted on February 19, 2009 pursuant to the 2006 Amended and Restated Stock Plan.
- (3) Date shown is grant date. Options vested in one third increments with one third having vested on the grant date and one third having vested on each of the following two anniversary dates.
- (4) Only represents the derivative securities of this class.

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Signatures 3