

HMS HOLDINGS CORP  
Form 4  
November 13, 2007

**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 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 \*  
Miller III William F

(Last) (First) (Middle)

401 PARK AVENUE SOUTH

(Street)

NEW YORK, NY 10016

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
HMS HOLDINGS CORP [HMSY]

3. Date of Earliest Transaction  
(Month/Day/Year)  
11/12/2007

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)

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 Ownership Indirect Beneficial Ownership (Instr. 4)
Common Stock					3,000	I	Held in Trust for Daughter
Common Stock					3,000	I	Held in Trust for Son
Common Stock	11/07/2007		M	20,000 A	\$ 2.92 548,095	D	
Common Stock	11/07/2007		S	20,000 D	\$ 30.78 528,095	D	
Common Stock	11/08/2007		M	43,350 A	\$ 2.92 571,445	D	

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Stock

Common Stock	11/08/2007		S	43,350	D	\$ 30.51	528,095	D
Common Stock	11/08/2007		M	2,150	A	\$ 6.95	530,245	D
Common Stock	11/08/2007		S	2,150	D	\$ 30.51	528,095	D

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

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(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 Security (Instr. 3 and 4)	8. Amount or Number of Shares
Non-Qualified Stock Option (Right to Buy)	\$ 2.92	11/07/2007		M	20,000	<u>(1)</u> 11/04/2013	Common Stock	20,000
Non-Qualified Stock Option (Right to Buy)	\$ 2.92	11/08/2007		M	43,350	<u>(1)</u> 11/04/2013	Common Stock	43,350
Non-Qualified Stock Option (Right to Buy)	\$ 6.95	11/08/2007		M	2,150	<u>(2)</u> 04/14/2015	Common Stock	2,150

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Miller III William F 401 PARK AVENUE SOUTH NEW YORK, NY 10016	X			

## Signatures

William F.  
Miller III

11/12/2007

\_\_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) Options vest 50% on grant date and the remaining 50% on the next anniversary date of the following year.
  - (2) Options vest in 1/3 increments with 1/3 vesting on grant date and 1/3 on each following anniversary date.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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