#### **HMS HOLDINGS CORP**

Form 4

October 31, 2008

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

**OMB** Number:

3235-0287

Expires:

January 31, 2005

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**OMB APPROVAL** 

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Form 4 or Form 5 obligations may continue.

See Instruction

Check this box

if no longer

subject to

Section 16.

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 \* Miller III William F

2. Issuer Name and Ticker or Trading Symbol

HMS HOLDINGS CORP [HMSY]

5. Relationship of Reporting Person(s) to

Issuer

(First) (Last)

(Middle)

3. Date of Earliest Transaction

(Month/Day/Year)

10/01/2008

(Check all applicable)

Other (specify Officer (give title below)

**401 PARK AVENUE SOUTH** (Street)

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

6. Individual or Joint/Group Filing(Check

Applicable Line)

X\_ Director

\_X\_ Form filed by One Reporting Person Form filed by More than One Reporting

Person

NEW YORK, NY 10016

(City) (State) (Zip)

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

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3)

(Month/Day/Year)

4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially Owned Following Reported

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

10% Owner

(A) Transaction(s) or (Instr. 3 and 4)

Code V Amount (D) Price

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 Conversion Security or Exercise (Instr. 3) Price of

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

5. Number 4. Transaction Derivative Code Securities (Instr. 8) Acquired

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount of **Underlying Securities** (Instr. 3 and 4)

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Derivative (A) or Security Disposed of (D) (Instr. 3, 4, and 5) (A) (D) Date Exercisable Expiration Title Amount Date or Number of Shares Non

Qualified

 Stock Option
 \$ 23.99
 10/01/2008
 A
 5,850
 10/01/2008(1)
 09/30/2015
 Common Stock
 5,850

(right to buy

# **Reporting Owners**

Reporting Owner Name / Address

Director 10% Owner Officer Other

Miller III William F

401 PARK AVENUE SOUTH X

NEW YORK, NY 10016

## **Signatures**

Walter D. Hosp by Power of Attorney for William F.
Miller III

10/31/2008

\*\*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) Date shown is the date of grant of option. Stock options vest in quarterly increments over a one year period commencing on December 31, 2008.
- (2) Only represents the derivative securities of this class.

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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