

Pereira Brian JG
 Form 4
 February 25, 2010

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 *
 Pereira Brian JG

2. Issuer Name and Ticker or Trading Symbol
 AMAG PHARMACEUTICALS INC. [AMAG]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
 02/24/2010

Director 10% Owner
 Officer (give title below) Other (specify below)
 President and CEO

C/O AMAG
 PHARMACEUTICALS, INC., 100
 HAYDEN AVENUE
 (Street)

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

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

LEXINGTON, MA 02421

(City) (State) (Zip)

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 (Instr. 4)
				(A) or (D)	Price		
				Code	V	Amount	Price

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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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)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Options	\$ 38.29	02/24/2010		A		(1) 02/24/2020		Common Stock	47,500
Restricted Stock Unit	(3)	02/24/2010		A		(4) (5)		Common Stock	15,833

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Pereira Brian JG C/O AMAG PHARMACEUTICALS, INC. 100 HAYDEN AVENUE LEXINGTON, MA 02421	X		President and CEO	

Signatures

Joseph L. Farmer, attorney-in-fact 02/25/2010

**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).
- Grant of stock option pursuant to the AMAG Pharmaceuticals, Inc. Amended and Restated 2007 Equity Incentive Plan. This option is
- (1) exercisable in four equal installments. The first installment will vest on February 24, 2011, the first anniversary of the grant, and the next three installments will vest on February 24, 2012, February 24, 2013 and February 24, 2014.
 - (2) Price is not applicable.
 - (3) Each restricted stock unit represents a contingent right to receive one share of the Issuer's common stock.
- Grant of restricted stock unit pursuant to the AMAG Pharmaceuticals, Inc. Amended and Restated 2007 Equity Incentive Plan. This grant
- (4) is exercisable in four equal installments. The first installment will vest on February 24, 2011, the first anniversary of the grant, and the next three installments will vest on February 24, 2012, February 24, 2013 and February 24, 2014.
 - (5) Not applicable

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.