

OMB APPROVAL	
OMB Number:	3235-0287
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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>PEREZ ROBERT J</u> (Last) (First) (Middle) <u>C/O AMAG PHARMACEUTICALS, INC.</u> <u>1100 WINTER STREET</u> (Street) <u>WALTHAM MA 02451</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>AMAG PHARMACEUTICALS INC. [</u> <u>AMAG]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>06/07/2018</u>	

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	(A) or (D)	Price			
Common Stock	06/07/2018		A		3,578 ⁽¹⁾	A	\$0 ⁽²⁾	21,113	D	
Common Stock								4,400	I	See Footnote 3 ⁽³⁾

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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					
Stock Option (Right to Buy)	\$24.45	06/07/2018		A		7,543		(4)	06/07/2028	Common Stock	\$0 ⁽²⁾	7,543	D	

Explanation of Responses:

- Each restricted stock unit represents a contingent right to receive one share of Common Stock of AMAG Pharmaceuticals, Inc. (the "Issuer"). These shares of Common Stock are issuable pursuant to a grant of restricted stock units pursuant to the Issuer's Fourth Amended & Restated 2007 Equity Incentive Plan, as amended (the "Plan") that will vest in twelve equal monthly installments over one year beginning on the first day of the first full month following the Issuer's annual meeting of stockholders, however, delivery of the shares is deferred until the earlier of (a) one year from the date of grant and (b) the date of the director's separation from service to the Issuer.
- Not applicable.
- Reflects 2,500 shares held by the Christine E. Perez 2004 Revocable Trust, dated February 25, 2004, as amended (the "Perez Trust") and 1,900 shares held by the Robert J. Perez 2004 Revocable Trust, dated February 25, 2004, as amended (the "Robert Perez Trust"). The Reporting Person's spouse is the trustee of the Perez Trust and the Reporting Person is the trustee of the Robert Perez Trust. The Reporting Person disclaims beneficial ownership of the securities held by the Perez Trust, except to the extent of his pecuniary interest therein. These 4,400 shares are held in trust for the benefit of the Reporting Person, his spouse and their descendants.
- Grant of stock option pursuant to the Plan. This option will vest and become exercisable in twelve equal monthly installments over one year beginning on the first day of the first full month following the Issuer's annual meeting of stockholders.

Remarks:

/s/ Nancy R. Smith, attorney-in-fact 06/08/2018

** Signature of Reporting Person Date

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

* 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).

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

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 Number.