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

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

Name and Address of Reporting Person* Casey Mark J					IDE	2. Issuer Name and Ticker or Trading Symbol IDERA PHARMACEUTICALS, INC. [IDRA]									ck all applic Directo	able) r	g Per	son(s) to Iss	ner
(Last) (First) (Middle) C/O IDERA PHARMACEUTICALS, INC.						3. Date of Earliest Transaction (Month/Day/Year) 01/03/2017									below)	er (give title w) tior VP & Gener		Other (specify below)	
167 SIDNEY STREET						4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicabl					plicable
(Street)	LIDGE M	Α ()2139											X		ed by More		orting Perso One Repo	
(City)	(S	tate) (Zip)																
		Tab	le I - N	on-Deri	vative S	Sec	urities	Acc	quired, C)isp	osed o	f, or Be	nefi	cially	/ Owned				
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day						Execution Date,			3. Transaction Code (Instr. 8) 4. Securities Acquired Disposed Of (D) (Instr. and 5)							es For ally (D)		: Direct c	7. Nature of Indirect Beneficial Ownership (Instr. 4)
										v	Amount	(A) c	or P	rice	Reported Transact (Instr. 3	d tion(s)	(Instr. 4)		msu. 4)
	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. Transact Code (In 8)		on of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4)		urity	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	ly	Ownership Form: Direct (D) or Indirec (I) (Instr. 4)	Beneficial Ownership
					Code	v	(A)	(D)	Date Exercisabl		xpiration	Title	Amo or Nun of Sha						
Stock Option	\$1.59	01/03/2017			A	Г	185,000		(1)	0	1/03/2027	Common Stock	185	,000	\$0	185,000)	D	

Explanation of Responses:

1. This option was granted under the Company's 2013 Stock Incentive Plan. The options vest with respect to 25% of the underlying shares on the first anniversary of the date of grant and the balance of the underlying shares vest in twelve equal quarterly installments following the first anniversary of the date of grant.

<u>/s/ Mark J Casey</u> <u>01/06/2017</u>

** 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.