FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL							
OMB Number:	3235-0287						
Estimated average burden							
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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

1. Name and Address of Reporting Person* REARDON WILLIAM S				IDE	2. Issuer Name and Ticker or Trading Symbol IDERA PHARMACEUTICALS, INC. [IDRA]									k all appl Direct	tionship of Reporting F all applicable) Director Officer (give title below)		10% O	vner	
(Last) (First) (Middle) 9 STEAMBOAT LANE				3. Date of Earliest Transaction (Month/Day/Year) 06/15/2010										Other (specify		
(Street)	AM M	MA 02043			4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)									Form	vidual or Joint/Group Fili Form filed by One Re Form filed by More tha			n
(City)	(Si	tate) (Zip)												Perso	n			
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/					Execution Date,			Transaction Dispose Code (Instr. and 5)			rities Acq ed Of (D)		, 4 Securit Benefic Owned		ties Fo cially (D)		m: Direct or rect (I)	7. Nature of Indirect Beneficial Ownership	
									Code	v	Amoun	ount (A) or (D)		ice	Reporte Transa	ollowing eported ransaction(s) nstr. 3 and 4)		tr. 4)	(Instr. 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. Transaction Code (Instr. 8)		of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		D Sc (I	Price f erivative ecurity nstr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	у	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership
					Code	v	(A)	(D)	Date Exercisable		piration te	Title	Amou or Numb of Share	er					
Stock Option	\$4.16	06/15/2010			A		10,000		(1)	06	/15/2020	Common Stock	10,00	00	\$0.00	10,000		D	

Explanation of Responses:

 $1. \ The \ option \ vests \ in \ twelve \ equal \ quarterly \ installments \ over \ three \ years, \ beginning \ on \ September \ 15, \ 2010.$

Remarks:

/s/William S. Reardon

** Signature of Reporting Person

 $\underline{06/15/2010}$

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.