IDERA PHARMACEUTICALS, INC.

Form 4/A July 09, 2007

FORM 4

OMB APPROVAL OMB

Number:

Expires:

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

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

2005 Estimated average burden hours per response... 0.5

3235-0287

January 31,

Form 4 or Form 5 obligations may continue. See Instruction

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(b).

(Last)

1. Name and Address of Reporting Person * HARTLEY C KEITH

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

IDERA PHARMACEUTICALS,

(Check all applicable)

INC. [IDP]

(First) (Middle)

3. Date of Earliest Transaction

X_ Director 10% Owner Officer (give title Other (specify

(Month/Day/Year) 07/01/2007

14 WYNNWOOD ROAD

(Street)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

Applicable Line)

06/28/2007

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

below)

GREENWICH, CT 06830-3409

(City) (State) (Zip)

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

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

5. Amount of Securities Beneficially Owned Following

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

(Instr. 4) (Instr. 4)

(A) or

Transaction(s) (Instr. 3 and 4)

Reported

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 SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of 3. Transaction Date 3A. Deemed 5. Number 6. Date Exercisable and (Month/Day/Year) Transaction of Derivative Expiration Date Derivative Conversion Execution Date, if (Month/Day/Year) Security or Exercise Code Securities any

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7. Title and Amount of 8

Underlying Securities

(Instr. 3 and 4)

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(Instr. 3)	Price of Derivative Security	Л)	Month/Day/Year)	(Instr. 8		Acquired (A) or Disposed (D) (Instr. 3, and 5)	d of				
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Options	\$ 7.16	07/01/2007		A		1,250		07/01/2008	07/01/2017	Common Stock	1,250

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	•	Other			
HARTLEY C KEITH							
14 WYNNWOOD ROAD	X						
GREENWICH, CT 06830-3409							

Signatures

C. Keith Hartley 07/01/2007

**Signature of Date
Reporting Person

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).

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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