## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL							
OMB Number:	3235-0287						
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Estimated average burden							
hours per response	0.5						

1. Name and Address of Reporting Person* REARDON WILLIAM S			2. Issuer Name <b>and</b> Ticker or Trading Symbol SYNTA PHARMACEUTICALS CORP [SNTA]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
(Last) C/O SYNTA P CORP., 45 HA			3. Date of Earliest Transaction (Month/Day/Year) 07/01/2012	X Director  Officer (give	10% Owner Other (specify pelow)			
(Street) LEXINGTON (City)	MA (State)	02421 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group (Check Applicable Line) X Form filed by One Reporting Person	ting Person			

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. Transac Code (Instr. 8)		Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code	V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(I)	(111311. 4)	
Common Stock	07/01/2012		Α		3,656 (1)	Α	\$ 0 (1)	17,857	D		
Common Stock	07/01/2012		Α		1,371 (2)	Α	\$ 0 <sup>(2)</sup>	19,228	D		

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. Transac Code (Instr. 8	e Derivative		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (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 of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Director Stock Option (Right to Buy)	\$ 5.47	07/01/2012		A		10,000		(3)	07/01/2022	Common Stock	10,000	\$ 0	10,000	D	

## **Explanation of Responses:**

- 1. Represents a restricted stock grant subject to the Issuer's lapsing forfeiture right, which lapses as to 25% of the shares on each of September 30, 2012, December 31, 2012, March 31, 2013 and June 30, 2013, provided the Reporting Person continues to serve as director of the Issuer on such date.
- 2. Represents a restricted stock grant subject to the Issuer's lapsing forfeiture right, which lapses as to 25% of the shares on each of September 30, 2012, December 31, 2012, March 31, 2013 and June 30, 2013, provided the Reporting Person continues to serve as Chairman of the Audit Committee of the Board of Directors of the Issuer on such date.
- 3. The option vests as to 25% of the shares on each of September 30, 2012, December 31, 2012, March 31, 2013 and June 30, 2013, provided the Reporting Person continues to serve as a director of the Issuer on such date.

/s/ Ann Margaret Eames, Attorney-in-Fact 07/03/2012

\*\* Signature of Reporting Person Da

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.