Tessmer James F Form 4 February 17, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

3235-0287

Expires:

January 31, 2005

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OMB APPROVAL

response...

if no longer subject to Section 16. Form 4 or Form 5

Check this box

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations

may continue. See Instruction Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

Tessmer James F

2. Issuer Name and Ticker or Trading

Symbol

5. Relationship of Reporting Person(s) to Issuer

LEXICON PHARMACEUTICALS,

INC./DE [LXRX]

(Check all applicable)

VP, Finance & Acctg

below)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)

02/12/2009

X_ Officer (give title below)

Director

10% Owner Other (specify

8800 TECHNOLOGY FOREST

(Street)

PLACE

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

THE

Common

Stock

WOODLANDS, TX 773811160

(City) (State) (Zip)

02/12/2009

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

1.Title of 2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if Security (Instr. 3) (Month/Day/Year)

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

4. Securities Acquired 5. Amount of 6. Ownership 7. Nature of Securities Form: Direct Indirect Beneficially Beneficial (D) or Owned Indirect (I) Ownership Following (Instr. 4) (Instr. 4)

Reported (A) Transaction(s)

25,800

or (Instr. 3 and 4)

\$0

Code V Amount (D) Price 24,100

Α

D

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

A

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)

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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. Transactic Code (Instr. 8)	5. Number of or Derivative Securities Acquired (A) or Disposed of (I (Instr. 3, 4, and 5)			7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (I	Date Exercisable	Expiration Date	Title	Amount Number Shares
Employee Stock Option (right to buy)	\$ 1.45	02/12/2009		A	150,000	<u>(1)</u>	02/12/2019	Common Stock	150,00

Reporting Owners

Reporting Owner Name / Address	Relationships					
. 9	Director	10% Owner	Officer	Other		
Tessmer James F 8800 TECHNOLOGY FOREST PLACE THE WOODLANDS, TX 773811160			VP, Finance & Acctg			

Signatures

/s/ Tessmer,
James F.

**Signature of Reporting Person

O2/17/2009

Date

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).
- Option vests with respect to 25% of the shares subject to the option on the first anniversary of grant (2/12/2010) and vests 1/48th per month for each month of service thereafter.

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.

Reporting Owners 2