BARKER SAM L Form 4 April 27, 2012

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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if no longer subject to Section 16. Form 4 or

Check this box

Form 5 obligations may continue.

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

1(b).

(Print or Type Responses)

BARKER SAM L

(City)

See Instruction

Symbol LEXICON PHARMACEUTICALS, (Check all applicable) INC./DE [LXRX] (Last) (First) (Middle) 3. Date of Earliest Transaction X_ Director 10% Owner Officer (give title Other (specify (Month/Day/Year) below) 8800 TECHNOLOGY FOREST 04/27/2012

2. Issuer Name and Ticker or Trading

PLACE

1. Name and Address of Reporting Person *

(Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

5. Relationship of Reporting Person(s) to

Applicable Line)

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

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

Issuer

THE WOODLANDS, TX 77381

(State)

(Zip)

4. Securities Acquired 5. Amount of 6. Ownership 7. Nature of 1. Title of 2. Transaction Date 2A. Deemed 3. Security (Month/Day/Year) Execution Date, if Transaction(A) or Disposed of Securities Form: Direct Indirect (Instr. 3) Code (D) Beneficially (D) or Beneficial (Instr. 3, 4 and 5) Ownership (Month/Day/Year) (Instr. 8) Owned Indirect (I) Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) or (Instr. 3 and 4) Code V Price Amount (D) Common

04/27/2012 \$0 A 11,764 Α 111,764 D Stock

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)

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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 (D) (Instr. 3, 4, and 5)	rivative Expiration Date curities (Month/Day/Year) quired (A) Disposed of other interest of the control of the curities (Month/Day/Year) str. 3, 4,		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		3 (
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option (Right to Buy)	\$ 1.7	04/27/2012		A	20,000	(1)	04/27/2022	Common Stock	20,000	

Reporting Owners

Reporting Owner Name / Address	Relationships					
1	Director	10% Owner	Officer	Other		
BARKER SAM L 8800 TECHNOLOGY FOREST PLACE THE WOODLANDS, TX 77381	X					
Signatures						

Signatures

/s/ Samuel L.
Barker

**Signature of Date

**Signature of Da 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).
- (1) Option vests with respect to 1/12th of the shares subject to the option for each month of service following the date of grant.

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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