SEC Form 3

FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Mills Barry	2. Date of Event Requiring Stater Month/Day/Yea 06/21/2006	ment 🛛	3. Issuer Name and Ticker or Trading Symbol <u>LEXICON GENETICS INC/TX</u> [LEXG]					
(Last) (First) (Middle) 8800 TECHNOLOGY FOREST PLACE			4. Relationship of Reporting Perso (Check all applicable) X Director				5. If Amendment, Date of Original Filed (Month/Day/Year)	
(Street) THE TX 773811160 WOODLANDS TX (Zip)				Officer (give title below)	Other (spe below)	App	licable Line)	/Group Filing (Check y One Reporting Person y More than One erson
Table I - Non-Derivative Securities Beneficially Owned								
1. Title of Security (Instr. 4)			2. Amount of Securities Beneficially Owned (Instr. 4)				lature of Indirect Beneficial Ownership tr. 5)	
Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)								
1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securiti Underlying Derivative Security			4. Conversion or Exercise	Form:	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiratior Date	n Title		Amount or Number of Shares	Price of Derivative Security	Direct (D) or Indirect (I) (Instr. 5)	
Stock Option (right to buy)	(1)	06/21/2016	5	Common Stock	30,000	4.15	D	

Explanation of Responses:

1. Option vests with respect to 1/60th of the shares subject to the option for each month of service following the date of grant (6/21/2006).

Remarks:

By: /s/ Barry Mills

** Signature of Reporting Person Date

06/21/2006

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 5 (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.