SIMMONS RUTH J

Reminder: Report on a separate line for each class of

securities beneficially owned directly or indirectly.

Form 5

February 14, 2008

FORM 5 **OMB** UNITED STATES SECURITIES AND EXCHANGE COMMISSION 3235-0362 Number: Washington, D.C. 20549 Check this box if January 31, Expires: no longer subject 2005 to Section 16. Estimated average ANNUAL STATEMENT OF CHANGES IN BENEFICIAL Form 4 or Form burden hours per 5 obligations OWNERSHIP OF SECURITIES response... 1.0 may continue. See Instruction Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section Reported 30(h) of the Investment Company Act of 1940 Form 4 Transactions Reported 1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Issuer SIMMONS RUTH J Symbol TEXAS INSTRUMENTS INC (Check all applicable) [TXN] (Middle) 3. Statement for Issuer's Fiscal Year Ended (Last) (First) _X_ Director 10% Owner Officer (give title (Month/Day/Year) Other (specify below) below) 12/31/2007 12500 TI BOULEVARD (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Reporting Filed(Month/Day/Year) (check applicable line) DALLAS, TXÂ 75243 _X_ Form Filed by One Reporting Person Form Filed by More than One Reporting (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of 2. Transaction Date 2A. Deemed 3. 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if Transaction Acquired (A) or Securities Form: Direct Indirect (Instr. 3) Code Disposed of (D) Beneficially (D) or Beneficial any (Month/Day/Year) (Instr. 3, 4 and 5) Owned at end Indirect (I) Ownership (Instr. 8) of Issuer's (Instr. 4) (Instr. 4) (A) Fiscal Year or (Instr. 3 and 4) (D) Price Amount Common Â Â Â Â Â Â Â 10,500 D Stock

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

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SEC 2270

(9-02)

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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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. I Der Sec (Ins
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Units	\$ 1 <u>(1)</u>	02/12/2007	Â	J(2)	17.5	Â	(3)	(3)	Common Stock	17.5	\$
Stock Units	\$ 1 <u>(1)</u>	05/21/2007	Â	J(2)	30.21	Â	(3)	(3)	Common Stock	30.21	\$
Stock Units	\$ 1 <u>(1)</u>	08/20/2007	Â	J(2)	32.82	Â	(3)	(3)	Common Stock	32.82	\$
Stock Units	\$ 1 <u>(1)</u>	11/19/2007	Â	J(2)	42.87	Â	(3)	(3)	Common Stock	42.87	\$

Reporting Owners

Reporting Owner Name / Address	Relationships						
F	Director	10% Owner	Officer	Other			
SIMMONS RUTH J	^ ***	?	?	^			
12500 TI BOULEVARD	ÂΧ	Â	A	Α			
DALLAS. TX 75243							

Signatures

DANIEL M. DRORY, ATTORNEY IN 62/14/2008

**Signature of 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).

Date

- (3) Stock units credited under the Texas Instruments 2003 Director Compensation Plan, to be settled in common stock of the Issuer following the reporting person's termination of service as a director of the Issuer.
- (2) Shares acquired through Issuer's broad-based Dividend Reinvestment Plan.
- (1) Security converts to common stock on a one-for-one basis.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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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