TEXAS INSTRUMENTS INC

Form 4

September 19, 2005

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

OMB Number:

Expires:

3235-0287 January 31,

0.5

Check this box if no longer

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

2005 Estimated average

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Form 5 obligations

may continue. See Instruction

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)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading SIMMONS RUTH J Issuer Symbol TEXAS INSTRUMENTS INC (Check all applicable) [TXN] 3. Date of Earliest Transaction (Last) (First) (Middle) X_ Director 10% Owner Officer (give title Other (specify (Month/Day/Year) below) 12500 TI BOULEVARD 09/16/2005 (Street) 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 DALLAS, TX 75243 Person (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of 2. Transaction Date 2A. Deemed 4. Securities 5. Amount of 6. Ownership 7. Nature of 3. Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Securities Form: Direct Indirect (Instr. 3) Code Beneficially Beneficial Disposed of (D) (D) or (Month/Day/Year) (Instr. 3, 4 and 5) Owned Ownership (Instr. 8) Indirect (I) Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price Common 8,000 D Stock

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

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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	2.	3. Transaction Date	3A. Deemed	4.	5. Number	6. Date Exer	cisable and	7. Title and A	Amount of	8. Price
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction Derivative		Expiration Date		Underlying Securities		Deriva
Security	or Exercise		any	Code	Securities	(Month/Day/	/Year)	(Instr. 3 and	4)	Securit
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Acquired					(Instr.
	Derivative				(A) or					
	Security				Disposed of					
					(D)					
					(Instr. 3, 4,					
					and 5)					
									Amount	
						Date	Expiration	TP'-d	or	
						Exercisable	Date	Title	Number	
				G 1 V	(A) (D)				of	
				Code V	(A) (D)				Shares	
Stock Units	\$ 1 <u>(1)</u>	09/16/2005		A	173.5	(2)	(2)	Common Stock	173.5	\$ 33.

Reporting Owners

Reporting Owner Name / Address	Relationships					
• 0	Director	10% Owner	Officer	Other		
SIMMONS RUTH J 12500 TI BOULEVARD DALLAS, TX 75243	X					

Signatures

DANIEL M. DRORY, ATTORNEY IN
FACT

**Signature of Reporting Person

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).
- Stock units credited under the Texas Instruments 2003 Director Compensation Plan, to be settled in common stock of the Issuer following (2) the reporting person's termination of service as a director of the Issuer. End-of-period holdings include stock units acquired pursuant to the dividend reinvestment provision of the 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 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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