TEXAS INSTRUMENTS INC

Form 5

Common

Stock

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February 14, 2005

OMB APPROVAL 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 WROE THOMAS JR Symbol TEXAS INSTRUMENTS INC (Check all applicable) [TXN] (Middle) 3. Statement for Issuer's Fiscal Year Ended (Last) (First) Director 10% Owner X _ Officer (give title Other (specify (Month/Day/Year) below) below) 12/31/2004 Sr. Vice President 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 Amount of 6. 7. Nature of Transaction Acquired (A) or Security (Month/Day/Year) Execution Date, if Securities Ownership Indirect (Instr. 3) Code Disposed of (D) Beneficially Form: Beneficial (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5) Owned at Direct (D) Ownership end of or Indirect (Instr. 4) Issuer's (I) Fiscal Year (Instr. 4) (A) (Instr. 3 and (D) Price Amount Common Â Â Â Â Â Â Â 4,729.21 D Stock By Self for Common Â Â Â Â Â Â 5,261 (1) Ι Stock Sons Common 15,321.05 Bv Â Â Â Â T Â Â (2) Stock Trust--CODA

By Trust--PS

16,645.81

(3)

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

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 control number.

SEC 2270 (9-02)

D

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

1. Title of	2.	3. Transaction Date		4.	5.	6. Date Exerc		7. Titl		8. Price of	
Derivative	Conversion	(Month/Day/Year)	•	Transaction	Number	Expiration D		Amou		Derivative	
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	, ,	Security	
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ities	(Instr. 5)	
	Derivative				Securities			(Instr.	3 and 4)		
	Security				Acquired						
					(A) or						
					Disposed						
					of (D)						
					(Instr. 3,						
					4, and 5)						
					,						
									Amount		
						Date	Expiration		or		
						Exercisable	Date		Number		
									of		
					(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
•	Director	10% Owner	Officer	Other			
	Â	Â	Sr. Vice President	Â			
DALLAS, TX 75243							

Signatures

CYNTHIA H. HAYNES, ATTORNEY IN FACT

02/14/2005

Date

**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).
- (1) Held by custodian for account of minors.
- (2) Estimated shares attributable to TI Employee Cash or Deferred Compensation account as of 12-31-04. (Interests in this account are denominated in units. Consequently, share amount shown is an estimate.)
- (3) Estimated shares attributable to TI Universal Profit Sharing account as of 12-31-04. (Interests in this account are denominated in units. Consequently, share amount shown is an estimate.)

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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