

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

OMB APPROVAL	
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1. Name and Address of Reporting Person* <b>LOWE GREGG A</b>			2. Issuer Name and Ticker or Trading Symbol <b>TEXAS INSTRUMENTS INC [ TXN ]</b>		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <b>SR. VICE PRESIDENT</b>	
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <b>01/31/2008</b>		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person	
12500 TI BOULEVARD			4. If Amendment, Date of Original Filed (Month/Day/Year)			
(Street)	<b>DALLAS</b>	<b>TX</b>	<b>75243</b>			
(City)	(State)	(Zip)				

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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	01/31/2008		F <sup>(1)</sup>		8,057	D	\$30.85	343,429	D	
Common Stock	02/01/2008		S <sup>(2)</sup>		2,200	D	\$30.66	341,229	D	
Common Stock	02/01/2008		S <sup>(2)</sup>		1,400	D	\$30.79	339,829	D	
Common Stock	02/01/2008		S <sup>(2)</sup>		1,200	D	\$30.84	338,629	D	
Common Stock	02/01/2008		S <sup>(2)</sup>		900	D	\$30.845	337,729	D	
Common Stock	02/01/2008		S <sup>(2)</sup>		1,000	D	\$30.85	336,729	D	
Common Stock	02/01/2008		S <sup>(2)</sup>		1,400	D	\$30.98	335,329	D	
Common Stock	02/01/2008		S <sup>(2)</sup>		4,800	D	\$30.99	330,529	D	
Common Stock	02/01/2008		S <sup>(2)</sup>		1,200	D	\$31	329,329	D	
Common Stock	02/01/2008		S <sup>(2)</sup>		1,000	D	\$31.005	328,329	D	
Common Stock	02/01/2008		S <sup>(2)</sup>		600	D	\$31.02	327,729	D	
Common Stock	02/01/2008		S <sup>(2)</sup>		400	D	\$31.15	327,329	D	
Common Stock	02/01/2008		S <sup>(2)</sup>		1,600	D	\$31.16	325,729	D	
Common Stock	02/01/2008		S <sup>(2)</sup>		800	D	\$31.17	324,929	D	
Common Stock	02/01/2008		S <sup>(2)</sup>		1,700	D	\$31.175	323,229	D	
Common Stock	02/01/2008		S <sup>(2)</sup>		1,743	D	\$31.26	321,486	D	
Common Stock								395.74 <sup>(3)</sup>	I	By Trust--401(k)
Common Stock								3,087.36 <sup>(4)</sup>	I	By Trust--PS

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

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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date					

**Explanation of Responses:**

1. Withholding of shares of common stock to satisfy tax withholding obligation (relating to vesting of a previously granted award).

2. Sales effected pursuant to a Rule 10b5-1 trading plan entered into by the reporting person on July 26, 2007.

3. Estimated shares attributable to TI 401(k) Account as of 12-31-07. (Interests in this account are denominated in units. Consequently, share amount shown is an estimate.) This statement does not include changes in beneficial ownership of shares held in this account occurring after 12-31-07 that are eligible for deferred reporting on Form 5.

4. Estimated shares attributable to TI Universal Profit Sharing Account as of 12-31-07. (Interests in this account are denominated in units. Consequently, share amount shown is an estimate.) This statement does not include changes in beneficial ownership of shares held in such account occurring after 12-31-07 that are eligible for deferred reporting on Form 5.

CYNTHIA H. HAYNES,  
ATTORNEY IN FACT

02/01/2008

\*\* Signature of Reporting Person      Date

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 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).

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.**