

TEMPLE MICHAEL  
Form 4  
February 13, 2009

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

OMB APPROVAL

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

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

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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
TEMPLE MICHAEL

2. Issuer Name and Ticker or Trading Symbol  
PIONEER HIGH INCOME TRUST [PHT]

5. Relationship of Reporting Person(s) to Issuer  
(Check all applicable)

(Last) (First) (Middle)  
C/O PIONEER INVESTMENTS, 60 STATE ST

3. Date of Earliest Transaction (Month/Day/Year)  
02/12/2009

\_\_\_\_ Director  
\_\_\_\_ Officer (give title below)  Other (specify below)  
Affiliated Person

(Street)  
BOSTON, MA 02109

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

(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 Ownership (Instr. 4)
				Code	V Amount (D) Price			
Pioneer High Income Trust	02/12/2009	02/12/2009	S	300	D \$ 9.6088	1,600	D	
Pioneer High Income Trust	02/12/2009	02/12/2009	S	200	D \$ 6.6009	1,400	D	
Pioneer High Income	02/12/2009	02/12/2009	S	573	D \$ 9.6	827	D	

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Trust

Pioneer  
High  
Income  
Trust

02/12/2009 02/12/2009 S 300 D \$ 9.63 527 D

Pioneer  
High  
Income  
Trust

02/12/2009 02/12/2009 S 100 D \$ 9.62 427 D

Pioneer  
High  
Income  
Trust

02/12/2009 02/12/2009 S 100 D \$ 9.65 327 D

Pioneer  
High  
Income  
Trust

02/12/2009 02/12/2009 S 227 D \$ 9.69 100 D

Pioneer  
High  
Income  
Trust

02/12/2009 02/12/2009 S 100 D \$ 9.69 0 D

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

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(9-02)

**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 Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned (Instr. 6)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
TEMPLE MICHAEL C/O PIONEER INVESTMENTS 60 STATE ST BOSTON, MA 02109				Affiliated Person

## Signatures

Michael Temple                      02/13/2009

\_\_Signature of                      Date  
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).

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.