

WELLS REAL ESTATE INVESTMENT TRUST INC  
 Form 5  
 February 13, 2007

**FORM 5**

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

OMB APPROVAL  
 OMB Number: 3235-0362  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 1.0

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).  
 Form 3 Holdings Reported Form 4 Transactions Reported

**ANNUAL 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

1. Name and Address of Reporting Person \*  
**MOSS DONALD S**  
 (Last) (First) (Middle)

2. Issuer Name and Ticker or Trading Symbol  
**WELLS REAL ESTATE INVESTMENT TRUST INC [N/A]**

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

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)  
 12/31/2006

Director  10% Owner  
 Officer (give title below)  Other (specify below)

**9165 ETCHING OVERLOOK**  
 (Street)

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

6. Individual or Joint/Group Reporting  
 (check applicable line)

**DULUTH, GA 30097**  
 (City) (State) (Zip)

Form Filed by One Reporting Person  
 Form Filed by More than One Reporting Person

**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 at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
				(A) or (D) Amount Price			
Common Stock	06/22/2006	Â	P	1,707.25 A \$ 8.31	101,921.94	D	Â
Common Stock	09/22/2006	Â	P	1,737.39 A \$ 8.31	101,921.94	D	Â
Common Stock	12/22/2006	Â	P	1,768.06 A \$ 8.31	101,921.94	D	Â

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

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SEC 2270 (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)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Amount or Number of Shares
					(A)	(D)	Date Exercisable	Expiration Date		
Warrants	\$ 12	06/22/2006	Å	A	68.29	Å	06/22/2006	Å (1)	Common Stock	68.29
Warrants	\$ 12	09/22/2006	Å	A	69.5	Å	09/22/2006	Å (1)	Common Stock	69.5
Warrants	\$ 12	12/22/2006	Å	A	70.72	Å	12/22/2006	Å (1)	Common Stock	70.72

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MOSS DONALD S 9165 ETCHING OVERLOOK DULUTH, GA 30097	Å X	Å	Å	Å

## Signatures

Douglas P. Williams,  
Attorney-in-Fact

02/13/2007

\_\_\_\_\_  
\*\*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).
- Expiration date of warrants shall be the earlier of (i) 5:00 p.m. Eastern Standard Time on the fifth anniversary of the date of a listing of Wells Real Estate Investment Trust, Inc. ("Wells REIT") shares on a national exchange, (ii) the date of removal "for cause" of the independent director to whom the warrant was issued as a director of Wells REIT, or (iii) three months following the date the independent director to whom the warrant was issued ceases to be a director of Wells REIT for any reason, except for death or disability, to which the warrant expires one year from the date of death.

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.