SEC Form 5

FORM 5

Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).	ations may continue. See
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Form 3 Holdings Reported.

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL **OWNERSHIP**

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

OMB APPROVAL

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Form 4 Transa	ctions Reported.	File	d pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940					
	ress of Reporting Pers <u>HENRY JR</u> (First) ACE DRIVE	son* (Middle)	2. Issuer Name and Ticker or Trading Symbol <u>ARCH COAL INC</u> [ACI] 3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2005	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title Other (specify below) Senior VP-Strategic Dev.				
(Street) ST. LOUIS (City)	MO (State)	63141 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	vidual or Joint/Group Fil Form filed by One Re Form filed by More th Person	eporting Person		

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

	Date (Month/Day/Year)		Transaction Code (Instr.	4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially	6. Ownership Form: Direct	7. Nature of Indirect Beneficial Ownership
				Amount	(A) or (D)	Price	Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	(D) or Indirect (I) (Instr. 4)	(Instr. 4)

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 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)	Beneficial Ownership (Instr. 4)
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Phantom Stock	(1)	03/15/2005		A	6		(2)	(2)	Common Stock	6	\$43.05	3,587	D	
Phantom Stock	(1)	06/15/2005		A	5		(2)	(2)	Common Stock	5	\$54.71	3,592	D	
Phantom Stock	(1)	09/14/2005		A	4		(2)	(2)	Common Stock	4	\$63.67	3,596	D	
Phantom Stock	(1)	12/14/2005		A	4		(2)	(2)	Common Stock	4	\$80.05	3,600	D	

Explanation of Responses:

1. Each share of phantom stock represents a right to receive the value in cash of one share of Arch Coal, Inc. common stock. The shares of phantom stock are held by the executive officer through the Arch Coal, Inc. Deferred Compensation Plan (the "Plan") and represent past compensation, the vested portion of restricted stock awards and/or payouts under other incentive compensation arrangements that the executive officer elected to defer under the Plan into a hypothetical investment in shares of Arch Coal, Inc. common stock and/or dividends attributable to such deferred amounts.

2. Shares of phantom stock are payable in cash on the date or dates elected by the executive officer, subject to the terms of the Plan. The executive officer may transfer any and all of the phantom stock account into an alternative investment account at any time.

Remarks:

/s/ Gregory A. Billhartz, Attorney-in-Fact

02/14/2006

** Signature of Reporting Person

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.

Date