# SEC Form 5

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(City)

# FORM 5

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

(State)

(Zip)

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

### ANNUAL STATEMENT OF CHANGES IN BENEFICIAL **OWNERSHIP**

OMB APPROVAL

0						
OMB Number:	3235-0362					
Estimated average burden						
hours per response:	1.0					

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 Form 4 Transactions Reported. or Section 30(h) of the Investment Company Act of 1940 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) 2. Issuer Name and Ticker or Trading Symbol 1. Name and Address of Reporting Person\* ARCH COAL INC [ ACI ] **BESTEN C HENRY JR** Director 10% Owner Officer (give title Other (specify X below) below) 3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) (Last) (Middle) (First) 12/31/2003 Senior VP-Strategic Dev. ONE CITYPLACE DRIVE **SUITE 300** 4. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) (Street) X Form filed by One Reporting Person ST. LOUIS 63141 MO 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)				5. Amount of Securities Beneficially Owned at end of	6. Ownership Form: Direct (D) or	7. Nature of Indirect Beneficial Ownership
				Amount	(A) or (D)	Price	Issuer's Fiscal Year (Instr. 3 and 4)	Indirect (I) (Instr. 4)	(Instr. 4)
Common Stock	12/31/2003(1)		I	14	A	(1)	14	I <sup>(2)</sup>	By 401(k) plan

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)	of Deriv Secu Acqu (A) o Dispe of (D	r osed ) r. 3, 4	Expiration Date		xpiration Date Amount of		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)
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Phantom Stock	(3)	12/31/2003 <sup>(4)</sup>		Ι	35		(5)	(5)	Common Stock	35	(5)	3,548	Ι	By Plan

### Explanation of Responses:

1. Acquired on various dates in 2003 pursuant to periodic investments in Arch Coal Inc.'s 401(k) plan at prices from \$21.84 to \$31.17 per share.

2. Reporting person also holds 1,717 shares directly.

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3. 1-for-1
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4. Acquired on various dates in 2003 pursuant to periodic investments in Arch Coal Inc.'s Deferred Compensation Plan.

5. Payable in cash upon termination of the Reporting Person's service as an Officer of Arch Coal, Inc.

## **Remarks:**

<u>/s/ Janet L. Horgan, Attorney-</u>	00/40/0004
in-Fact	<u>02/16/2004</u>

\*\* 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.