

EAVES JOHN W  
Form 4  
February 04, 2008

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
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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 \*  
EAVES JOHN W

(Last) (First) (Middle)  
ONE CITYPLACE DRIVE  
(Street)

ST. LOUIS, MO 63141

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
ARCH COAL INC [ACI]

3. Date of Earliest Transaction (Month/Day/Year)  
01/31/2008

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 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)	(A) or (D)	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	Price		
Common Stock	01/31/2008		M		75,000	A 112,319	D	
Common Stock <sup>(2)</sup>	02/01/2008		S		2,600	D \$ 43.73	D	
Common Stock <sup>(2)</sup>	02/01/2008		S		900	D \$ 43.74	D	
Common Stock <sup>(2)</sup>	02/01/2008		S		2,500	D \$ 41.09	D	
Common Stock <sup>(2)</sup>	02/01/2008		S		400	D \$ 41.1	D	

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Common Stock <u>(2)</u>	02/01/2008	S	1,100	D	\$ 41.12	104,819	D	
Common Stock <u>(2)</u>	02/01/2008	S	3,500	D	\$ 42	101,319	D	
Common Stock <u>(2)</u>	02/01/2008	S	2,500	D	\$ 42.57	98,819	D	
Common Stock <u>(2)</u>	02/01/2008	S	1,900	D	\$ 42.65	96,919	D	
Common Stock <u>(2)</u>	02/01/2008	S	800	D	\$ 42.66	96,119	D	
Common Stock <u>(2)</u>	02/01/2008	S	500	D	\$ 42.67	95,619	D	
Common Stock <u>(2)</u>	02/01/2008	S	600	D	\$ 42.71	95,019	D	
Common Stock <u>(2)</u>	02/01/2008	S	200	D	\$ 42.72	94,819	D	
Common Stock <u>(2)</u>	02/01/2008	S	4,000	D	\$ 43.44	90,819	D	
Common Stock <u>(2)</u>	02/01/2008	S	4,000	D	\$ 43.78	86,819	D	
Common Stock <u>(2)</u>	02/01/2008	S	1,200	D	\$ 43.84	85,619	D	
Common Stock <u>(2)</u>	02/01/2008	S	800	D	\$ 43.86	84,819	D	
Common Stock <u>(2)</u>	02/01/2008	S	500	D	\$ 43.87	84,319	D	
Common Stock <u>(2)</u>	02/01/2008	S	200	D	\$ 43.88	84,119	D	
Common Stock <u>(2)</u>	02/01/2008	S	100	D	\$ 43.89	84,019	D	
Common Stock <u>(2)</u>	02/01/2008	S	4,600	D	\$ 43.9	79,419	D	
Common Stock <u>(2)</u>	02/01/2008	S	100	D	\$ 43.91	79,319	D	
Common Stock <u>(2)</u>	02/01/2008	S	5,000	D	\$ 40.69	74,319	D	
Common Stock						3,392	I	By 401(k) Plan

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

**Persons who respond to the collection of information contained in this form are not**

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(9-02)

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**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. Amount or Number of Shares
Restricted Stock Units	(3)	01/31/2008		M	75,000	(4) (5)	Common Stock	75,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
EAVES JOHN W ONE CITYPLACE DRIVE ST. LOUIS, MO 63141	X		President & COO	

## Signatures

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

02/04/2008

\*\*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).
- (1) The reporting person received 100,000 restricted stock units on December 18, 2002. The restricted stock units vested on January 31, 2008. Upon vesting of 100,000 restricted stock units on January 31, 2008, the reporting person received 75,000 shares of common stock and deferred receipt of 25,000 shares of common stock pursuant to the Arch Coal, Inc. Executive Deferred Compensation Plan.
- (2) The sale of shares of common stock by the reporting person reported on this Form 4 was effected pursuant to a Rule 10b5-1 trading plan previously adopted by the reporting person.
- (3) Each restricted stock unit represents a right to receive one share of common stock, unless otherwise deferred, at the reporting person's election, pursuant to the Arch Coal, Inc. Executive Deferred Compensation Plan.
- (4) The reporting person received 100,000 restricted stock units on December 18, 2002. On January 31, 2008, 100,000 restricted stock units vested.
- (5) The restricted stock units do not expire.

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