

WOODRING KENNETH G  
Form 4  
October 25, 2004

**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 \*  
WOODRING KENNETH G

(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)  
10/21/2004

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)  
Exec. VP-Mining Operations

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) | 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 (A) or (D) Price                                         |                                                                                               |                                                          |                                   |
| Common Stock <sup>(1)</sup>     | 10/21/2004                           |                                                    | M                              | 18,550 A \$ 22.6                                                  | 0                                                                                             | D                                                        |                                   |
| Common Stock <sup>(1)</sup>     | 10/21/2004                           |                                                    | S                              | 16,400 D \$ 34                                                    | 0                                                                                             | D                                                        |                                   |
| Common Stock <sup>(1)</sup>     | 10/21/2004                           |                                                    | S                              | 2,150 D \$ 33.5                                                   | 0                                                                                             | D                                                        |                                   |
| Common Stock <sup>(1)</sup>     | 10/21/2004                           |                                                    | M                              | 9,300 A \$ 21.95                                                  | 0                                                                                             | D                                                        |                                   |
| Common Stock <sup>(1)</sup>     | 10/21/2004                           |                                                    | S                              | 9,300 D \$ 33.5                                                   | 0                                                                                             | D                                                        |                                   |

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|                         |            |   |        |   |           |        |   |                |
|-------------------------|------------|---|--------|---|-----------|--------|---|----------------|
| Common Stock <u>(1)</u> | 10/21/2004 | M | 21,350 | A | \$ 18.15  | 0      | D |                |
| Common Stock <u>(1)</u> | 10/21/2004 | S | 16,400 | D | \$ 33.25  | 0      | D |                |
| Common Stock <u>(1)</u> | 10/21/2004 | S | 4,950  | D | \$ 33.5   | 0      | D |                |
| Common Stock <u>(1)</u> | 10/22/2004 | M | 13,600 | A | \$ 22.875 | 0      | D |                |
| Common Stock <u>(1)</u> | 10/22/2004 | S | 13,600 | D | \$ 34.5   | 0      | D |                |
| Common Stock <u>(1)</u> | 10/22/2004 | M | 2,800  | A | \$ 22.6   | 11,107 | D |                |
| Common Stock <u>(1)</u> | 10/22/2004 | S | 2,800  | D | \$ 34.5   | 2,378  | I | By 401(k) plan |

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) |
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|
|                                            |                                                        |                                      |                                                    | Code                           | V (A) (D)                                                                               | Date Exercisable Expiration Date                         | Title Amount or Number of Shares                              |
| Employee Stock Options                     | \$ 22.6                                                | 10/21/2004                           |                                                    | M                              | 18,550                                                                                  | 04/25/2003 04/25/2012                                    | Common Stock 18,550                                           |
| Employee Stock Options                     | \$ 21.95                                               | 10/21/2004                           |                                                    | M                              | 9,300                                                                                   | 02/22/2004 02/22/2011                                    | Common Stock 9,300                                            |
| Employee Stock Options                     | \$ 18.15                                               | 10/21/2004                           |                                                    | M                              | 21,350                                                                                  | 02/29/2004 02/29/2012                                    | Common Stock 21,350                                           |
| Employee Stock                             | \$ 22.875                                              | 10/22/2004                           |                                                    | M                              | 13,600                                                                                  | 07/22/2001 07/22/2008                                    | Common Stock 13,600                                           |

Options

Employee

|       |         |            |   |       |            |            |                 |       |
|-------|---------|------------|---|-------|------------|------------|-----------------|-------|
| Stock | \$ 22.6 | 10/22/2004 | M | 2,800 | 04/25/2004 | 04/25/2012 | Common<br>Stock | 2,800 |
|-------|---------|------------|---|-------|------------|------------|-----------------|-------|

Options

## Reporting Owners

| Reporting Owner Name / Address                                   | Relationships |           |                                  |       |
|------------------------------------------------------------------|---------------|-----------|----------------------------------|-------|
|                                                                  | Director      | 10% Owner | Officer                          | Other |
| WOODRING KENNETH G<br>ONE CITYPLACE DRIVE<br>ST. LOUIS, MO 63141 |               |           | Exec.<br>VP-Mining<br>Operations |       |

## Signatures

/s/ Janet L. Horgan,  
Attorney-in-Fact

10/25/2004

\*\*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) Cashless exercise of employee stock options pursuant to pre-existing 10b5-1 plan

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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