ARCH COAL INC Form 4

June 19, 2006

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

Check this box if no longer

subject to Section 16. Form 4 or

Form 5 obligations may continue. See Instruction Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

1(b).

(Last)

(City)

(Instr. 3)

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

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 * Taylor Wes M

(First) (Middle)

ONE CITYPLACE DRIVE

(Street)

2. Issuer Name and Ticker or Trading

Symbol

ARCH COAL INC [ACI] 3. Date of Earliest Transaction

(Month/Day/Year) 06/15/2006

4. If Amendment, Date Original

Filed(Month/Day/Year)

below) 6. Individual or Joint/Group Filing(Check

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

5. Amount of

Beneficially

Securities

Owned

X_ Director

Officer (give title

Issuer

Applicable Line) _X_ Form filed by One Reporting Person

5. Relationship of Reporting Person(s) to

(Check all applicable)

10% Owner

Other (specify

7. Nature of

Ownership

(Instr. 4)

Indirect

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

Form filed by More than One Reporting Person

6. Ownership

Form: Direct

(Instr. 4)

(D) or Indirect Beneficial

ST. LOUIS, MO 63141

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if

(State)

(Month/Day/Year)

(Zip)

4. Securities TransactionAcquired (A) or Code (Instr. 8)

Disposed of (D) (Instr. 3, 4 and 5)

Following Reported (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price

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

Persons who respond to the collection of **SEC 1474** information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Conversion Security or Exercise (Instr. 3) Price of

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if (Month/Day/Year)

4. 5. TransactionNumber Code of (Instr. 8) Derivative

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount of 8. Price of Underlying Securities (Instr. 3 and 4)

Derivative Security (Instr. 5)

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Derivative Securities Security Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) Code V (A) (D) Date Expiration Title Amount Exercisable Date or Number of Shares Phantom Common (2) (2) (1) 06/15/2006 Α 4 \$ 41.32 Stock Stock

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

Taylor Wes M

ONE CITYPLACE DRIVE X

ST. LOUIS, MO 63141

Signatures

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

06/19/2006

**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).
- 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 director through the Arch Coal, Inc. Deferred Compensation Plan for Non-Employee Directors (the "Plan"). The shares of phantom stock acquired by the director represent dividends attributable to amounts that the director elected to defer under the Plan into a hypothetical investment in shares of Arch Coal, Inc. common stock.
- (2) Shares of phantom stock are payable in cash following termination of the director's service as a director of Arch Coal, Inc. The director may transfer certain portions of the phantom stock account into an alternative investment account at any time.
- (3) The director's phantom stock account has been adjusted for the two-for-one stock dividend in the form of a 100% stock dividend, payable by Arch Coal, Inc. on May 15, 2006 to all holders of record of common stock on May 5, 2006.

Note: File three copies of this Form, one of which must be manually signed. If space 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.

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