FORM 4

obligations may continue. See Instruction 1(b).

Check this box if no longer subject to Section 16. Form 4 or Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT	OF CHANGE	S IN BENEFICIAL	OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person* Taylor Wes M						2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]									ck all appl	icable)	g Per	rson(s) to Iss 10% Ov	
(Last)	(Fi	,	(Middle)			Date of 1/28/20		st Trai	nsaction (M	onth/	Day/Year)	1			Office below	r (give title)		Other (s	specify
(Street) ST. LOU (City)		tate)	63141 (Zip)	ı-Deriv	-				of Original		`		enefic	Line)	Form Form Perso	filed by One filed by Mor	e Rep	g (Check Ap orting Perso n One Repo	on
1. Title of Security (Instr. 3) 2. Tr			2. Trans Date (Month/I	action	Execution Date,		3. Transa Code (ction	4. Secu	rities Acquired (A) of (D) (Instr. 3, 4		or and	5. Amor Securiti Benefic	es Form ially (D) (Following ed etion(s)		n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
	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. Deemee Execution if if any (Month/Day	Date,		ansaction ode (Instr.		of I		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Securit (Instr. 3 and 4)		D S (I	. Price of erivative ecurity nstr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	y	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership t (Instr. 4)
					Code	v	(A)	(D)	Date Exercisable		xpiration ate	Title	Amou or Numb of Share	er					
Phantom Stock	(1)	09/28/2007			Α		630		(2)		(2)	Common Stock	630		\$33.74	7,415		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 director through the Arch Coal, Inc. Deferred Compensation Plan for Non-Employee Directors (the "Plan") and represent past compensation that the director 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 following termination of the director's service as a director of Arch Coal, Inc. The director may transfer amounts held in the phantom stock account into an alternative investment account at any time.

Remarks:

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

10/02/2007

** 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.

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