FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF CHANGES	IN BENEFICIAL	. OWNERSHIP

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

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

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

	nd Address of E FRANI	Reporting Person*							ker or Trac NC [AC		Symbol			(Che	elationship eck all applic X Directo	cable)	g Pers	son(s) to Iss	
(Last) (First) (Middle) ONE CITYPLACE DRIVE			3. Date of Earliest Transaction (Month/Day/Year) 03/31/2010									Officer below)	(give title		Other (s below)	specify			
(Street)	IS M	0	63141			f Ame (02/2		Date	of Original	Filed	(Month/Da	ay/Year)		Line	X Form f	iled by One	Repo	(Check Ap orting Perso orting Repo	n
(City)	(S	tate)	(Zip)																
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																		
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)					Execution Date,			Code (I					5. Amou Securitie Benefici Owned I Reporte	es ally Following	Form (D) or	: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership		
				Code				v	Amount	(A) or (D)		Price	Transaci (Instr. 3	tion(s)			(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. Deemed Execution Dat if any (Month/Day/Ye	Date, T	4. Transactio Code (Inst		n of		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4)			8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	у	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership ct (Instr. 4)	
				c	Code	v	(A)	(D)	Date Exercisab		Expiration Date	Title	or Nu of	nount imber iares					
Phantom Stock	(1)	03/31/2010			A		656 ⁽²⁾		(3)		(3)	Common	6	56 ⁽²⁾	\$22.85	43,023	2)	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. The number of securities reported previously were inadvertently misstated.
- 3. 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.

Remarks:

/s/ Jon S. Ploetz, Attorney-in-

** Signature of Reporting Person

Fact

04/07/2010

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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