FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

l	OMB APPR	ROVAL
	OMB Number:	3235-0287
l	Estimated average bu	rden

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

1. Name and Address of Reporting Person

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 2. Issuer Name and Ticker or Trading Symbol 5. Relationship of Reporting Person(s) to Issuer

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(Last)	(F TYPLACE I	*	(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 12/30/2011									Officer (give title below)			Other (specify below)	
(Street) ST. LOU		tate)	53141 (Zip)	_				of Original Fi		`		Li	ne) X	Form	filed by One filed by Moi n	e Rep	g (Check Ap orting Perso n One Repo	n
1. Title of Security (Instr. 3)		2. Tra	nsaction	action 2A. Deemed Execution Date, if any (Month/Day/Year)			3. Transact Code (Ins	ion	4. Secur	ities Acquir d Of (D) (Ins	ed (A) or	or 5. Amount o		nt of es ally Following	Form (D) o	m: Direct or Indirect	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
		т	able II - Deri					uired, Dis	spo		, or Ben	eficial	ly O	Transac (Instr. 3				
1. Title of 2. 3. Transaction 3A. Deemed 4. Execution Date, Transaction Date 1. Transaction Date, Date			4. Transa	action	5. Num of Deriva Securi Acquir (A) or Dispos of (D) (Instr.: and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Secur (Instr. 3 and 4)		8. Price Derivat Securit (Instr. 5		tive derivative Securitie	e s ally g	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)		
				Code	v	(A)	(D)	Date Exercisable	Ex Da	piration ite	Title	Amount or Number of Shares						
Phantom Stock	(1)	12/30/2011		A		1,654		(2)		(2)	Common Stock	1,654	;	\$14.51	56,911	ı	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/ Jon S. Ploetz, Attorney-in-

Fact

** Signature of Reporting Person

Date

01/03/2012

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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.