## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT	OF CHAN	GES IN F	RENEEICIAI	OWNERSHIP
SIAILMLINI	OF CHAIN	GES IIV E	DENTERIORE	CWINERSHIP

OMB APPRO	OVAL
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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).

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

1. Name and Address of Reporting Person*  HUNT DOUGLAS H					2. Issuer Name <b>and</b> Ticker or Trading Symbol ARCH COAL INC [ ACI ]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  X Director 10% Owner							
(Last) (First) (Middle) ONECITYPLACE DRIVE					3. Date of Earliest Transaction (Month/Day/Year) 12/15/2011									Office below	r (give title )		Other (: below)	specify		
(Street) ST. LOU (City)	Street) ST. LOUIS MO 63141				4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Indi Line) X	· '					
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
1. Title of Security (Instr. 3)  2. Transac Date (Month/Date)				action	2A. Deemed Execution Date,		3. Transac Code (II 8)	tion	4. Secui Dispose	rities Acqui	ties Acquired (A) or Of (D) (Instr. 3, 4 and		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)		Form: Direct (D) or Indirect (I) (Instr. 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. Deeme Execution if any (Month/Da	Date,		ransaction ode (Instr.		of I		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		De Se (In	Price of rivative curity str. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	,	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisable		piration ate	Title	Amour or Number of Shares	er						
Phantom Stock	(1)	12/15/2011			A		482		(2)		(2)	Common Stock	482	,	\$14.08	62,143		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"). 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 amounts held in the phantom stock account into an alternative investment account at any time.

## Remarks:

/s/ Robert G. Jones, Attorney-

12/16/2011

in-Fact

\*\* Signature of Reporting Person

Date

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

- $^{\star}$  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.