FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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OMB APPROVAL							
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٦.	Section 16. Form 4 or Form 5 obligations may continue. See
J	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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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1. Name and Address of Reporting Person* HUNT DOUGLAS H			2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)								
HUNI	DOUGL	<u> АЗ П</u>			1					-					V Direct	or		10% Ov	vner
(Last) (First) (Middle)				3. Date of Earliest Transaction (Month/Day/Year) 06/30/2009								Office below	r (give title)		Other (s below)	specify			
ONECIT	YPLACE I	DRIVE																	
					4. If	Amer	ndment,	Date	of Original F	iled	(Month/D	ay/Year)				Joint/Group	Filing	g (Check Ap	plicable
(Street)														Line	,	<u>.</u>	_		
ST. LOU	JIS M	.0	63141											-		•		orting Perso n One Repo	
(City)	(S	tate)	(Zip)												Perso	n			
					<u> </u>														
		Tab	le I - Non	-Deriva	ative	Sec	curities	s Ac	quired, [Disp	osed o	of, or B	enef	icial	y Owne	d			
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)				Day/Year) if		2A. Deemed Execution Date if any (Month/Day/Yea		Code (Instr.						Securit Benefic Owned	Securities For Beneficially (D)		n: Direct r Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
					C			Code	v	Amount	ount (A) or (D)			Transac					
		T	able II - [Derivat	ive S	Secu	rities	Acq	uired, Di	spc	sed of	, or Be	nefic	ially	Owned				
			(e.g., pı	uts, (calls	, warr	ants	s, options	s, c	onverti	ble sec	uriti	es)					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution I if any (Month/Day	Date, T	I. Fransa Code (I				6. Date Exe Expiration I (Month/Day	Date		7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4)		urity	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	y	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisable		Expiration Date	Title	or Nur of	ount mber ares					
Phantom	(1)	00/00/0005							(2)	╈	(2)	Commor							
Stock	(1)	06/30/2009	I	- 1	A		1,854		(2)		(2)	Stock	1,	854	\$15.37	50,411	.	D	1

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

** Signature of Reporting Person Date

07/01/2009

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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