FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-028								

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP Estimated average burden hours per response: Filed purcuant to Section 16(a) of the Securities Evolution Act of 1024

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

msuuc	uon 1(b).			Fileu		ion 30(h) of the							14					
1. Name and Address of Reporting Person* BOYD JAMES R				2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]									Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
(Last) (First) (Middle) ONE CITYPLACE DRIVE, SUITE 300				3. Date of Earliest Transaction (Month/Day/Year) 03/15/2006									Office	Officer (give title below)		Other (specify below)		
(Street) ST. LOUIS MO 63141				4. If Amendment, Date of Original Filed (Month/Day/Year)							Lin	ndividual or Joint/Group Filing (Check Applicable e) X Form filed by One Reporting Person Form filed by More than One Reporting Person						
(City)	(S	ate)	(Zip)															
		Tab	le I - Non	-Deriva	tive Se	curities A	cquir	red,	Disp	osed	of, o	r Bene	eficial	ly Owne	d			
Date			2. Transac Date (Month/Da	Execution D		e, T	, Transaction Disp Code (Instr. 5)		Dispose	ecurities Acquired (A) nosed Of (D) (Instr. 3,			Securit Benefic Owned	5. Amount of Securities Beneficially Owned Following Reported		: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership	
					С	Code	v	Amount	t	(A) or (D)	Price	Transac	Transaction(s) (Instr. 3 and 4)			(Instr. 4)		
		Т				urities Acq s, warrants								Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	Date Execution Date, (Month/Day/Year) if any		Date, Ti	ransaction of ode (Instr. Derivative		6. Date Exercisable and Expiration Date (Month/Day/Year)			Amo Secu Unde Deriv	tle and ount of urities erlying vative Se r. 3 and 4		8. Price of Derivative Security (Instr. 5)			10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	

Explanation of Responses:

(1)

Phantom

Stock

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.

Date

Exercisable

(2)

Expiration

(2)

Date

Title

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 certain portions of the phantom stock account into an alternative investment account at any time.

Gregory A. Billhartz, Attorneyin-Fact

\$72.12

30,566

D

** Signature of Reporting Person Date

Amount Number of Shares

34

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).

03/15/2006

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Code ٧

A

(A) (D)

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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.