## SEC Form 4

## FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL

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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).

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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* JONES ROBERT G			2. Issuer Name <b>and</b> Ticker or Trading Symbol <u>ARCH COAL INC</u> [ ACI ]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
JOINES ROBERT G					Director	10% Owner				
(Last) (First) (Middle) ONE CITYPLACE DRIVE		(Middle)	3. Date of Earliest Transaction (Month/Day/Year)		Officer (give title below)	Other (specify below)				
		(midule)	02/23/2007		VP-Law, Gen. Counsel & Secy					
(Street)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line)	6. Individual or Joint/Group Filing (Check Applicable Line)					
ST. LOUIS	MO	63141		X	Form filed by One Rep	oorting Person				
			-		Form filed by More that Person	n One Reporting				
(City)	(State)	(Zip)			Feison					
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned										

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Code (		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		(1150. 4)
Common Stock	02/23/2007		A		868	A	(1)	2,455	D	
Common Stock	02/26/2007		A		1,400	A	(2)	3,855	D	
Common Stock								4,392	I	By 401(k) plan

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 Date, if any (Month/Day/Year)	4. Transa Code ( 8)		Derivative		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported	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	Amount or Number of Shares		Transaction(s) (Instr. 4)		
Restricted Stock Units	(3)	02/23/2007		М			868	(4)	(5)	Common Stock	868	(1)	1,732	D	
Restricted Stock Units	(3)	02/26/2007		М			1,400	(6)	(5)	Common Stock	1,400	(2)	2,798	D	
Employee Stock Option (right to buy)	\$32.99	02/22/2007		A		53,250		(7)	02/21/2017	Common Stock	53,250	\$0.00	53,250	D	

## Explanation of Responses:

1. The reporting person received 2,600 restricted stock units on February 23, 2006. The restricted stock units vest ratably over a three-year period. Upon vesting of 868 restricted stock units on January 23, 2007, the reporting person received 868 shares of common stock.

2. The reporting person received 5,600 restricted stock units on February 24, 2005. The restricted stock units vest ratably over a three-year period. Upon vesting of 1,866 restricted stock units on February 26, 2007, the reporting person received 1,400 shares of common stock and deferred receipt of 466 shares of common stock pursuant to the Arch Coal, Inc. Executive Deferred Compensation Plan.

3. Each restricted stock unit represents a right to receive one share of common stock unless otherwise deferred, at the reporting person's election, pursuant to the Arch Coal, Inc. Executive Deferred Compensation Plan.

4. The reporting person received 2,600 restricted stock units on February 23, 2006. The restricted stock units vest ratably over a three-year period. On February 23, 2007, 868 restricted stock units vested. 5. The restricted stock units do not expire.

5. The restricted stock units do not expire.

6. The reporting person received 5,600 restricted stock units on February 24, 2005. The restricted stock units vest ratably over a three-year period. On February 26, 2007, 1,866 restricted stock units vested.

7. The option vests in three equal annual installments beginning on February 22, 2008.

**Remarks:** 

<u>/s/ Gregory A. Billhartz,</u> <u>Attorney-in-Fact</u>

02/27/2007

\*\* Signature of Reporting Person

on Date

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

 $^{\ast}$  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.