FORM 4

### UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

# STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL										
OMB Number:	3235-0287									
Estimated average I	nurden									

0.5

hours per response:

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 Seci	tion 30(n) of the inv	estmen	t Com	ipany Act of 19	940						
1. Name and Address of Reporting Person* <u>Slone Deck</u>					er Name <b>and</b> Ticker H COAL INC			ymbol		ationship of Reportin k all applicable) Director	10% (	o Issuer % Owner			
(Last) ONE CITYPLA SUITE 300	E CITYPLACE DRIVE				of Earliest Transac 2009	ction (M	onth/D	oay/Year)	X	Officer (give title Other (specify below)  VP/Govt Investor & Public Aff					
				4. If Am	endment, Date of 0	Original	Filed	(Month/Day/Ye		6. Individual or Joint/Group Filing (Check Applicable					
(Street) ST. LOUIS	МО	63141		Line)  X Form filed by One Reporting Person											
(City)	(State)	(Zip)								1 013011					
		Table I - Nor	n-Derivati	ive Se	ecurities Acqu	ıired,	Disp	osed of, o	r Bene	eficially	Owned				
Date			2. Transacti Date (Month/Day				ction Instr.	4. Securities Disposed Of 5)			5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership		
					Code V		Amount (A) or (D)		Price	Transaction(s) (Instr. 3 and 4)		(Instr. 4)			
Common Stock 0			02/23/20	009		M		500	A	(1)	11,300	D			

## 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)		of Expiration Date (Month/Day/Year) Securities Acquired		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 Transaction(s) (Instr. 4)	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				
Restricted Stock Units	(2)	02/23/2009		M			500	(3)	(4)	Common Stock	500	(1)	0	D	

#### **Explanation of Responses:**

- 1. The reporting person received 1,500 restricted stock units on February 23, 2006. The restricted stock units vest ratably over a three-year period. Upon vesting of 500 restricted stock units on February 23, 2009, the reporting person received 500 shares of common stock.
- 2. 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.
- 3. The reporting person received 1,500 restricted stock units on February 23, 2006. The restricted stock units vest ratably over a three-year period. On February 23, 2009, 500 restricted stock units vested.
- 4. The restricted stock units do not expire.

## Remarks:

/s/ Gregory A. Billhartz, Attorney-in-Fact

02/23/2009

\*\* Signature of Reporting Person

Date

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.