FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
OMB Number:	3235-028								
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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

1. Name and Address of Reporting Person* BESTEN C HENRY JR (Last) (First) (Middle) ONE CITYPLACE DRIVE SUITE 300						Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI] Date of Earliest Transaction (Month/Day/Year) 04/18/2008										5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title Other (specify below) below) Senior VP-Strategic Dev.					
(Street) ST. LOU (City)		tate) (63141 (Zip)		-	4. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Application) X Form filed by One Reporting Person Form filed by More than One Reporting Person											n				
Table I - Non-Deriva 1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)					saction	ar)	2A. De Execut if any		3. 4. Securiting Disposed (Code (Instr. 5)			ties Acqu	red (A) or	5. Amou Securitie Benefici	nt of es ally Following	Form (D) o	: Direct r Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
						Co	ode V	,	Amount	(A) (D)	or P	rice	Transaci (Instr. 3	tion(s)			(11311. 4)				
Common Stock ⁽¹⁾ 04/18/						2008			1	M	_	7,025 A S		\$9.08	37,867		D				
Common Stock ⁽¹⁾ 04/18/						2008				S		7,025			\$58	30	,842		D		
		Т	able II -										or Bei			Owned					
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/Day	Date,	4. Transaction Code (Instr. 8)				6. Date Exercisal Expiration Date (Month/Day/Year			7. Title and Amount of Securities Underlying Derivative (Instr. 3 an		of s ng e Secu		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	ly Di	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exerc	cisable	Exp Dat	oiration te	Title	or	ount nber ires						
Employee stock options (right to buy) ⁽¹⁾	\$9.08	04/18/2008			M			7,025	(:	(2)	02/2	29/2012	Commor Stock	7,0)25	\$0.00	0		D		

Explanation of Responses:

- 1. The exercise of employee stock options and sale of underlying shares of common stock by the executive officer reported on this Form 4 were effected pursuant to a Rule 10b5-1 trading plan.
- 2. The reporting person received 56,200 stock options on February 28, 2002. The stock options vested ratably over a four year period as follows: 14,050 stock options vested on February 28, 2003; 14,050 stock options vested on February 28, 2005; and 14,050 stock options vested on February 28, 2006.

Remarks:

/s/ Gregory A. Billhartz, Attorney-in-fact 04/22/2008

** 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.