FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

l	OMB APPROVAL								
	OMB Number:	3235-0287							
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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).

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* BESTEN C HENRY JR							2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
DESTE	N C HER	VIXI JIX			1											Direc	ctor	10%	Owner	
(Lact)	/Ei	3 D	Date of Earliest Transaction (Month/Day/Year)									X Office below		er (give title v)	Othe belov	r (specify v)				
(Last) (First) (Middle)							01/02/2008									S	enior VP-9	Strategic Dev	1	
ONE CITYPLACE DRIVE						01/02/2000													•	
SUITE 300																				
301112 300						4. If Amandment, Date of Original Filed (Month/D-::///)									C. Individual or Inint/Croup Filing (Charles - 1)					
(Street)						4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line)					
(Street) ST. LOUIS MO 63141														X Form filed by One Reporting Person						
				.										Form filed by More than One Reporting Person						
(City)	(St	ate) (Zip)																	
		Tabl	e I - Noi	n-Deriv	ative	Se	curitie	s Acq	uired,	Dis	posed o	f, o	r Ben	efici	ally (Owne	ed			
1. Title of Security (Instr. 3) 2. Transac							ction 2A. Deemed				3. 4. Securities Acquired (A)					5. Amo	ount of	6. Ownership	7. Nature	
				Date		Execution Date, ay/Year) if any (Month/Day/Year)			Transaction Disposed Of (D) (Instr. 3, 4 Code (Instr. 5)								Form: Direct	of Indirect		
				(Month/E	Day/Yea								Benef			(D) or Indirect (I) (Instr. 4)	Beneficial Ownership			
					("		(MOTITI/Day/Tear)				-				Repo		ted	(1) (111341. 4)	(Instr. 4)	
							Code	۱v	Amount		(A) or (D)	Price			action(s) 3 and 4)					
Common stock ⁽¹⁾ 01/02/							/2008		S		2,000		D	\$45.14		24,775		D		
														<u>'</u>						
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																				
1. Title of	2.	3A. Deem	ed	4.	١.		5. Number		6. Date Exercisal		7. T	7. Title and		8. Pr	ice of 9. Number o		f 10.	11. Nature		
Derivative	Conversion	Date	Execution if any (Month/Day	Date,	Transaction		n of i		Expiration Date			Amount of			Derivative		derivative	Ownership	of Indirect	
Security (Instr. 3)	or Exercise Price of Derivative	(Month/Day/Year)			Code (Instr.	r. Derivative (Securities Acquired		(Month/D	ar)	Securities Underlying			Security (Instr. 5)		Securities Beneficially	Form: Direct (D)	Beneficial Ownership		
(111311.3)					٠,								Derivative		(5 5)		Owned	or Indirect	(Instr. 4)	
	Security						(A) or			Security (str. 3		Following		(I) (Instr. 4)	1	
						Disposed of (D) (Instr. 3, 4 and 5)		and			and 4)				Reported Transaction	(e)				
																(Instr. 4)	,			
			L																	
				Γ									Am	ount				1		
									- 1			or								
								Date		Expiration		of	mber							
					Code	v	(A)		Exercisa		Date	Title		ares				- 1		

Explanation of Responses:

1. The sale of shares of common stock by the executive officer reported on this Form 4 was effected pursuant to a Rule 10b5-1 trading plan.

Remarks:

/s/ Gregory A. Billhartz Attorney-in-fact 01/02/2008

** 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.