FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

l	OMB APPRO)VAL					
l	OMB Number:	3235-0287					
l	Estimated average burde	en					
I	hours per response:	0.5					

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* WOODRING KENNETH G						2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner							
(Last) (First) (Middle) ONE CITYPLACE DRIVE						3. Date of Earliest Transaction (Month/Day/Year) 09/20/2004									X Officer (give title Other (specify below) Exec. VP-Mining Operations						
(Street) ST. LOUIS MO 63141					4.	4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting						
(City)	(S	tate)	(Zip)												Person						
			ole I - N			_			.	l, Di	sposed o										
1. Title of Security (Instr. 3) 2. Transact Date (Month/Day						Execution Date,		3. Transaction Code (Instr. 8)			s Acquired of (D) (Instr.	5) Se Be Ov	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	Tra	ansactionstr. 3 a	on(s)			(Instr. 4)		
Common	Stock			09/20	/2004	004			M		15,000	A	\$22.	25	0			D			
Common	Stock			09/20	/2004	004			S		15,000	D	\$34.9	568	0	0		D			
Common	Stock			09/20	/2004	004			M		7,500	A	\$26.1	125	0	0		D			
Common Stock 09/20/20							004				7,500	D	\$34.9	568	0		D				
Common Stock 09/20/20											27,100	A	\$22	.9	C	0		D			
Common	Stock)/2004				S		27,100	D	\$34.9	_	0			D						
Common Stock 09/21/20							004				42,100	A	\$22	.9	11,1	11,107		D			
Common	Stock	/2004	004		S		42,100	D	\$34.8	342	2,3	2,373			By 401(k)						
		•	Table II								posed of, convertil				ned						
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deen Executio if any (Month/D	n Date,	4. Transa Code (8)				6. Date Exerc Expiration Da (Month/Day/Y		ite	7. Title and Am of Securities Underlying Derivative Sect (Instr. 3 and 4)		Deriv Secu	rative rity :. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	Owner: Form: Direct or Indi (I) (Inst	Ownership	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Date Exercis	able	Expiration Date	Title	Amount or Number of Shares	er							
Employee Stock Options	\$22.25	09/20/2004			M			15,000	07/01/1	.997	03/21/2006	Common Stock	15,00	0 \$22	2.25	0		D			
Employee Stock Options	\$26.125	09/20/2004			M			7,500	07/01/1	.997	03/21/2005	Common Stock	7,500	926.125	.125	0		D			
Employee Stock Options	\$22.9	09/20/2004			M			27,100	01/01/2	.004	06/30/2006	Common Stock	27,10	0 \$22	2.9	42,100		D			
Employee Stock Options	ock \$22.9 09/21/2004			М			42,100	01/01/2	:004	06/30/2006	Common Stock	42,10	0 \$22	2.9	0		D				
Explanatio	n of Respons	ses:																			

Remarks:

/s/ Janet L. Horgan, Attorney-

09/22/2004

in-Fact

** Signature of Reporting Person

Date

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

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.

 $^{^{\}star}$ 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.