SEC Form 4

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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average burden									
hours per response.	0.5								

1. Name and Address of Reporting Person* EAVES JOHN W			2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]		5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
				X	Director	10% Owner				
,			—	v	Officer (give title	Other (specify				
(Last)	(Last) (First) (Middle)		3. Date of Earliest Transaction (Month/Day/Year)	A	below)	below)				
ONE CITYPLACE DRIVE			12/30/2011		President & COO					
(Street)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line)	vidual or Joint/Group Fili	ng (Check Applicable				
ST. LOUIS	MO	63141		X	Form filed by One Re	porting Person				
(City)	(State)	(Zip)	—		Form filed by More th Person	an One Reporting				

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)						5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)
Common Stock	12/30/2011		M ⁽¹⁾		71,900	A	\$9.08	179,507	D	
Common Stock	12/30/2011		S ⁽¹⁾		71,900	D	\$14.23	107,607	D	
Common Stock								9,567	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)		of		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 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				
Employee Stock Options (right to buy)	\$9.08	12/30/2011		M ⁽¹⁾			71,900	(2)	02/29/2012	Common Stock	71,900	\$0.00	0	D	

Explanation of Responses:

1. The transactions were made pursuant to a Rule 10b5-1 trading plan adopted by the reporting person.

2. The reporting person received 71,900 stock options on February 28, 2002. The stock options vested as follows: 17,975 stock options vested on February 28, 2003; 17,975 stock options vested on February 29, 2004; 17,975 stock options vested on February 28, 2005; and 17,975 stock options vested on February 28, 2006.

Remarks:

/s/ Jon S. Ploetz, Attorney-in-

Fact

01/03/2012

** Signature of Reporting Person

Date

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

 \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.

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.