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:

	hours per response:	0.5
	Estimated average burd	en
I		3235-0207

1. Name and Addre	ss of Reporting Perso <u>ERT G</u>	n*	2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]	(Check	tionship of Reporting Perso all applicable) Director Officer (give title	10% Owner Other (specify below)
(Last) ONE CITYPLA	(First) CE DRIVE	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 12/06/2010	X	below) Sr. VP-Law, Gen Cou	
(Street) ST. LOUIS MO 63141 (City) (State) (Zip)			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	idual or Joint/Group Filing Form filed by One Repor Form filed by More than Person	rting Person

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)	3. Transa Code (8)		4. Securities Disposed Of			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	12/06/2010		М		25,000	A	\$9.08	37,437	D	
Common Stock	12/06/2010		S		25,000	D	\$32.38(1)	12,437	D	
Common Stock								4,621	Ι	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	12/06/2010		М			25,000	(2)	02/29/2012	Common Stock	25,000	\$0.00	33,400	D	

Explanation of Responses:

1. This represents the weighted average price at which the shares were sold. The shares were sold at prices ranging from \$32.15 to \$32.53. Mr. Jones will provide, upon request of the SEC staff, Arch Coal, Inc., or a shareholder of Arch Coal, Inc., complete information regarding the number of shares purchased at each price within the range.

2. The reporting person received 58,400 stock options on February 28, 2002. The stock options vested as follows: 14,600 stock options vested on February 28, 2003; 14,600 stock options vested on February 29, 2004; 14,600 stock options vested on February 28, 2005; and 14,600 stock options vested on February 28, 2006.

Remarks:

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

Fact

12/06/2010

** 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.