П

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subje	ect 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

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

1. Name and Address of Reporting Person [*] POTTER ROBERT G			2. Issuer Name and Ticker or Trading Symbol <u>ARCH COAL INC</u> [ACI]		tionship of Reporting Pe all applicable) Director	erson(s) to Issuer 10% Owner			
(Last) ONECITYPL	act) (Eirct) (Middlo)		3. Date of Earliest Transaction (Month/Day/Year) 02/23/2012		Officer (give title below)	Other (specify below)			
(Street) ST. LOUIS (City)	Street) ST. LOUIS MO 63141		4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indiv Line) X	,				
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)	Transaction Code (Instr.		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)				(D) or Indirect	7. Nature of Indirect Beneficial Ownership
		(Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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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		Expiration Date		d 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		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				
Restricted Stock Units	\$13.93	02/23/2012		A		2,500		(1)	(2)	Common Stock	2,500	\$0.00	2,500	D	

Explanation of Responses:

1. The reporting person received 2500 restricted stock units on February 23, 2012. The restricted stock units vest upon the retirement of the reporting person.

2. The restricted stock units do not expire.

Remarks:

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

Fact

02/27/2012

** Signature of Reporting Person

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.

Date