### FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Check this box if no longer subject to	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP
Section 16. Form 4 or Form 5	
obligations may continue. See	

OMB APPROVAL OMB Number: Estimated average burden

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(Street) ST. LOUIS	МО	63141		4. If Am	nendment, Date of (	Original F	iled (	(Month/Day/Y	ear)	6. Indi Line) X	vidual or Joint/Grou Form filed by On Form filed by Mo	e Reporting Pers	son
(Last) ONE CITYPLAC	(First) (Middle) TYPLACE DRIVE				of Earliest Transac 2011	Stion (Mo	ונוו/ט	ау/теаг)		below)	below	)	
1. Name and Address of Reporting Person*  Taylor Wes M					H COAL IN	<u>C</u> [ AC	[ ] ·			ationship of Reportir k all applicable) Director Officer (give title	ng Person(s) to Issuer  10% Owner  Other (specify		
		or Section 30(h) of the Investment Company Act of 1940  2. Issuer Name and Ticker or Trading Symbol								ng Person(s) to	ŀ		

# (e.g., puts, calls, warrants, options, convertible securities)

6. Date Exercisable and

**Expiration Date** 

5. Number

Transaction

(Instr. 3)		Price of Derivative Security	(Monunbay/rear)	(Month/Day/Year)	8)		Secu Acqu (A) o Dispo	rities uired r osed ) r. 3, 4	(wolldin Day, real)		Underlying Derivative Security (Instr. 3 and 4)		(Instr. 5)	Beneficially Owned Following Reported Transaction(s) (Instr. 4)	Direct (D) or Indirect (I) (Instr. 4)	Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
	Phantom Stock	(1)	06/15/2011		A		74		(2)	(2)	Common	74	\$25.1	16,936	D	

### **Explanation of Responses:**

Conversion

1. Each share of phantom stock represents a right to receive the value in cash of one share of Arch Coal, Inc. common stock. The shares of phantom stock are held by the director through the Arch Coal, Inc. Deferred Compensation Plan for Non-Employee Directors (the "Plan"). The shares of phantom stock acquired by the director represent dividends attributable to amounts that the director elected to defer under the Plan into a hypothetical investment in shares of Arch Coal, Inc. common stock.

#### Remarks:

1. Title of

Derivative

/s/ Robert G. Jones, Attorney-

06/16/2011

in-Fact

7. Title and

Amount of

8. Price of

Derivative

9. Number of

derivative

10.

Ownership

11. Nature

of Indirect

\*\* Signature of Reporting Person

Date

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

3A. Deemed

**Execution Date** 

3. Transaction

Date

- $^{\star}$  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.

<sup>2.</sup> Shares of phantom stock are payable in cash following termination of the director's service as a director of Arch Coal, Inc. The director may transfer amounts held in the phantom stock account into an alternative investment account at any time.