FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

wasnington,	D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP
Instruction 1(b).	Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person* Strobel Jeffrey W.						2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]									k all appl Direct	icable) or	g Pei	rson(s) to Iss	vner	
(Last) (First) (Middle) ONE CITYPLACE DRIVE					3. Date of Earliest Transaction (Month/Day/Year) 11/14/2012									below	,	Dev	Other (sbelow) 8 Strateg			
(Street) ST. LOU (City)			63141 (Zip)		4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Ind Line) X	Form	of or Joint/Group Filing (Check Applicable orm filed by One Reporting Person orm filed by More than One Reporting erson				
		Tab	le I - Nor	า-Deriv	ative	Sec	curiti	es A	cquired,	Dis	posed	of, or B	enefic	ially	Owne	d				
Dat				Date	te onth/Day/Year) i			2A. Deemed Execution Date, if any (Month/Day/Year)		Transaction Code (Instr. 8) 4. Secu Dispose 5)			str. 3, 4	and Securit Benefic Owned Reporte		ies For (D) Following ed		n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	v	Amount	t (A) or Pr		ce	(Instr. 3	ction(s) 3 and 4)				
		Т	able II - I (juired, D s, optior						Owned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deeme Execution if any (Month/Day	Date,	Code (Ir				6. Date Ex. Expiration (Month/Da	Date		Amount of		D S (Ii	Price of erivative ecurity 1str. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transactior (Instr. 4)	Ow For Dir or I (I) (10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Co	Code	v	(A)	(D)	Date Exercisab		xpiration ate	Title	Amou or Numb of Share	er						
Phantom Stock	(1)	11/14/2012			A		16		(2)		(2)	Common Stock	16		\$6.59	299		D		

Explanation of Responses:

- 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 Executive Officer through the Arch Coal, Inc. Deferred Compensation Plan (the "Plan") and represent past compensation, the vested portion of restricted stock awards and/or payouts under other incentive compensation arrangements that the Executive Officer elected to defer under the Plan into a hypothetical investment in shares of Arch Coal Common stock and/or dividends paid with respect to such deferral amounts.
- 2. Shares of phantom stock are payable in cash on the date or dates elected by the executive officer, subject to the terms of the Plan. The executive officer may transfer any and all of the phantom stock account into an alternative investment account at any time.

Remarks:

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

Fact

** Signature of Reporting Person

Date

11/16/2012

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.