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

	ROVAL						
OMB Number:	3235-0287						
Estimated average burden							

	Estimated average burd	en
	hours per response:	0.5
1		

1. Name and Address of Reporting Person*					2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
<u>Strobel Jeffrey W.</u>								1					Direc	or	1	10% Ov	vner	
						f E a dia at Taa			un the /F				-	X Office below	r (give title		Other (s below)	specify
(Last)	(F	irst)	(Middle)		12/12/2	of Earliest Tra	nsactio	on (ivio	ntn/L	Day/Year))				Pres, Bus		,	177
ONE CITYPLACE DRIVE												VICC	Tres, Due		uaicg	J.		
					4. If Ame	ndment, Date	e of Orig	iginal I	iled	(Month/E	Day/Ye	ear)	6.1	Individual or	Joint/Grou	p Filing (Ch	eck Ap	plicable
(Street)												Lin	ie)		•			
ST. LOU	JIS M	0	63141								X Form	filed by On	e Reportino	g Perso	n			
P														Form Perso	filed by Mo	re than On	e Repo	rting
(City)	(S	tate)	(Zip)											Perso	л			
		Tab	le I - Noi	n-Deriv	ative Se	curities A	cquir	r ed , I	Disp	osed	of, o	or Ben	eficia	lly Owne	d			
1. Title of Security (Instr. 3) 2. Transa Date (Month/E			Execution Date,			Code (Instr. 5)								6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)				
							ode	v	Amount	t	(A) or (D)	Price	Transa	Transaction(s) (Instr. 3 and 4)		(In:		
		T				irities Acc s, warrant								/ Owned				
1. Title of Derivative	1	3. Transaction	3A. Deeme		4.	5. Number	Expiration D		Date Exercisable and piration Date onth/Day/Year)		7. Title and Amount of Securities Underlying Derivative Secur (Instr. 3 and 4)			8. Price of	9. Number	of 10.		11. Nature

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.

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

Date

Exercisable

(2)

Expiration

(2)

Date

Title

Commor

Stock

Remarks:

Phantom

Stock

(1)

Explanation of Responses:

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

Amount or Number of

Shares

34

\$7.65

12/13/2012

** 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).

12/12/2012

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Code v

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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.

(Instr. 3, 4 and 5)

(A) (D)

34

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.

Date

(Instr. 4)

371

D