FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPRO	DVAL				
OMB Number:	3235-0287				
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hours per response:	0.5				

Check this box if no longer subject to
Section 16. Form 4 or Form 5
obligations may continue. See
Instruction 1(b).

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*					2. Is	Issuer Name and Ticker or Trading Symbol									5. Relationship of Reporting Person(s) to Issuer					
Wold Peter I						ARCH COAL INC [ ACI ]									(Check all applicable)  X Director 10% Owner					
																Direc			6 Owner	
(Last)	(Fii		3. Date of Earliest Transaction (Month/Day/Year)										belov	er (give title w)	bel	er (specify ow)				
(Last) (First) (Middle) ONE CITYPLACE DRIVE							05/31/2012													
SUITE 300																				
SUITE 300						4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable					
(Street)															Line)  X Form filed by One Reporting Person					
	ST. LOUIS MO 63141														Form filed by More than One Reporting					
					.											Pers				
(City)	(St	ate) (	Zip)																	
		Tabl	e I - Nor	n-Deriv	ative	Se	curitie	s Acc	quired,	Dis	posed o	f, oı	r Ben	efici	ally	Owne	ed			
1. Title of S	Security (Inst	r. 3)		2. Transa Date	action						4. Securities Acquired (A) Disposed Of (D) (Instr. 3,					5. Amo Securi	ount of	6. Ownership		
				(Month/I	Day/Yea	ar) i	if any			Code (Instr. 5)			1 Of (D) (Instr. 3, 4			Benefi	cially	(D) or Indirect	t Beneficial	
							(Month/Day/Year)		8)			_	T T		_	Report		(I) (Instr. 4)	Ownership (Instr. 4)	
						Code	v	Amount		(A) or (D)	Price	:	Transaction(s) (Instr. 3 and 4)							
Common Stock 05/31/						2			P		5,000	)	A \$6		11,500		1,500	D		
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
			(	e.g., pı	uts, c	alls	, warr	ants,	option	s, co	onvertib	le s	ecuri	ties)	-					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	Date (Month/Day/Year)	3A. Deeme Execution if any (Month/Da	Date,	4. Transaction Code (Instr. 8)				6. Date E Expiratio (Month/D	е	Amount of Securities Underlying Derivative Security (Instr. and 4)					9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership t (Instr. 4)		
					Code	ode V (A) (D)		(D)			Expiration Date	Title	or Nur of	ount mber ares						

**Explanation of Responses:** 

Remarks:

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

06/01/2012

**Fact** 

\*\* Signature of Reporting Person

Date

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

- $^{\star}$  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.