FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

	OMB APPRO	VAL							
	OMB Number: 3235-0								
l	Estimated average burden								
l	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* Wold Peter I						2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]											olicable)	ng Person(s) to	Issuer Owner
(Last) ONE CIT		3. Date of Earliest Transaction (Month/Day/Year) 02/04/2011										Office	er (give title w)	Othe belo	er (specify w)				
SUITE 300 (Street) ST. LOUIS MO 63141					4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(St	ate) (2	Zip)																
		Tabl	e I - Nor	-Deriv	ative	Se	curitie	s Acc	quired,	Dis	posed o	f, or	Ben	eficia	ally (Owne	ed		
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)						ar)	2A. Deemed Execution Date, if any (Month/Day/Year)		Code (Transaction Dispose Code (Instr. 5)		ities Acquired (A) d Of (D) (Instr. 3, 4			4 and Se Be Ov		ount of ties cially I Following ted	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
						Code	v	Amount	(A) or D)	Price		Transaction(s) (Instr. 3 and 4)			(man. 4)			
Common	Stock	1/2011						1,000)	A \$3		3.3 1,500		1,500	D				
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																			
1. Title of Derivative Security (Instr. 3)	vative Conversion Date Execution or Exercise (Month/Day/Year) if any			Date,	Code (Instr.		of Derive Security (A) of Disposor (Insti	of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date Date Expiration Date Exercisable Date			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4) Amoun or Numbe of Title Shares				9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownershi Form: Direct (D) or Indirec (I) (Instr. 4	Beneficial Ownership (Instr. 4)

Explanation of Responses:

Remarks:

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

02/07/2011

Fact

** Signature of Reporting Person

Date

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.