FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APP	ROVAL
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	Check this box if no longer subject to
١	Section 16. Form 4 or Form 5
ı	obligations may continue. See
	Instruction 1(h)

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*  Codley, Patricia Fry.					2. Issuer Name <b>and</b> Ticker or Trading Symbol ARCH COAL INC [ ACI ]											5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
Godley Patricia Fry										•					X D	irect	or		10% Ov	vner		
(Last) (First) (Middle)					3. Date of Earliest Transaction (Month/Day/Year) 06/15/2007												Officer (give title below)			Other (s below)	specify	
ONE CITYPLACE DRIVE																						
SUITE 300					4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)										6. Individual or Joint/Group Filing (Check Applicable						
(Street)															Lir	,	orm	filed by One	Don	orting Perso	un.	
ST. LOU	IS M	0	63141															,		n One Repo		
																	erso		e illa	п Опе керо	rung	
(City)	(S	tate) (	(Zip)																			
		Tab	le I - Non-	-Deriva	ative	Sec	curiti	es Ac	qui	ired, C	Disp	osed (	of, or	Ber	eficia	lly Ov	vne	d				
1. Title of Security (Instr. 3)  2. Transa Date (Month/D						ar)   E	2A. Deemed Execution Date, if any (Month/Day/Year		Code (Instr.							d Se Be Ov	5. Amount of Securities Beneficially Owned Following Reported		Form: Direct		7. Nature of Indirect Beneficial Ownership	
									-	Code	v	Amount	(A) or (D)		Price	Transa		action(s) 3 and 4)			(Instr. 4)	
		T	able II - D (e									sed of onverti				/ Own	ed					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution D if any (Month/Day/	ate, T	Code (				6. Date Exercisal Expiration Date (Month/Day/Year			Amount of			Deriva Securi	B. Price of Derivative Gecurity Instr. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transactior (Instr. 4)	Ownersh Form: Direct (D or Indire (I) (Instr.	Ownership	Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Date Exer	e rcisable	Ex Da	piration ite	Title	0 N	Amount or Number of Shares							
Phantom Stock	(1)	06/15/2007			A		23			(2)		(2)	Comn		23	\$39.0	07	12,638		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 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.
- 2. 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 certain portions of the phantom stock account into an alternative investment account at any time.

## Remarks:

/s/ Gregory A. Billhartz, Attorney-in-Fact 06/18/2007

\*\* 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.