FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL												
OMB Number:		3235-0287										

	Check this box if no longer subject to
\neg	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

Estimated average burden hours per response: 0.5

1. Name and Address of Reporting Person* SANDS THEODORE D					2. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
(Loot) (Firet) (Middle)					3. Date of Earliest Transaction (Month/Day/Year) 06/29/2012								X	Officer below)	give title		10% Ov Other (s below)		
(Street) ST. LOU (City)		tate) (63141 (Zip)	3141 ip)						f Original Filed (Month/Day/Year)				ine) X	ridual or Joint/Group Filing (Check Applicable Form filed by One Reporting Person Form filed by More than One Reporting Person				
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)					action	2A. Deemed Execution Date,			, Transaction Disposed Code (Instr. 5)			ities Acquii d Of (D) (In	red (A) o	5. Amou 4 and Securiti Benefici Owned		unt of 6. C ies For cially (D) Following (I) (I		n: Direct r Indirect istr. 4)	7. Nature of Indirect Beneficial Ownership
							Code	٧	Amount	(A) or (D)		е		ted action(s) 3 and 4)			(Instr. 4)		
	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)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemo Execution if any (Month/Da	Date,	4. Transa Code (8)		of		6. Date Exercisable Expiration Date (Month/Day/Year)			le and 7. Title and Amount of Securities Underlying Derivative Secu (Instr. 3 and 4)		De Se (Ir	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transactio (Instr. 4)	e s Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisabl		xpiration ate	Title	Amour or Number of Shares	r					
Phantom Stock	(1)	06/29/2012			A		2,177		(2)		(2)	Common Stock	2,177	, [\$6.89	55,488		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") and represent past compensation that the director elected to defer under the Plan into a hypothetical investment in shares of Arch Coal, Inc. common stock and/or dividends attributable to such deferred amounts.
- 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 amounts held in 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

07/02/2012

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.