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UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

FORM 5

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed purs	uant to	Section	16(a)	of the	Securiti	es Excha	ange A	Act of	f 1934,
Section	17(a) c	of the Pu	ıblic l	Jtility	Holding	Company	Act o	of 193	35 or
	Section	1 30(h) d	of the	Investr	nent Comp	any Act	of 19	940	

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

_ Form 3 Holdings R	eported								
_ Form 4 Transaction	ns Reported								
1. Name and Address	of Reporting Pers	son*			_				
Sands	The	eodore	D.						
(Last)		First)	(Midd)	Le)					
CityPlace One, Suite 3									
		treet)							
St. Louis		МО	6314	11					
(City)		State)	(Zip))					
2. Issuer Name and T	icker or Trading	Symbol			_				
Arch Coal, Inc. (ACI)									
3. I.R.S. Identifica	tion Number of Re	eporting Per	son, if an ent	ity (Voluntary)	_				
		- J	,	, , ,					
					_				
4. Statement for Mon	th/Year								
December 31, 2002									
5. If Amendment, Dat	e of Original (Mo	onth/Year)			_				
6. Relationship of R	eporting Person(s	s) to Issuer			_				
(Check all applic		o, co 2000o.							
X Director Officer (giv	e title below)	_ _	10% Owner Other (speci	ify below)					
	,			, ,					
7. Individual or Join					_				
(check applicable									
	y One Reporting F y More than One F		rson						
					_				
Table T	======== Non-Derivative Se				=				
	or Benefic	cially Owned	. , .	,	=				
				4.			5. Amount of	6. Owner-	
		2A.	3.	Securities Acq Disposed of (D)	(A) or	Securities Beneficially	ship Form:	7.
	2. Trans-	Deemed Execution		(Instr. 3, 4 a			Owned - at the End	Direct (D) or	Nature of Indirect
1. Title of Security	action Date	Date, if any	(Instr. 8)		(A) or		of Issuer's Fiscal Year	Indirect	
(Instr. 3)	(mm/dd/yy)	(mm/dd/yy)		Amount	(D)	Price	(Instr. 3 & 4)		

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^{*} If the form is filed by more than one reporting person, see instruction $4(\mbox{\ensuremath{b}})(\mbox{\ensuremath{v}})\,.$

Table II -- Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of	2. Conver- sion or Exer- cise Price of Deriv-	3. Trans- action	3A. Deemed Execut- ion Date if	4. Trans- action Code (Instr.	5. Number Deriva Securi Acquir or Dis of(D)	tive ties ed (A) posed	Expirati (Month/D	on Date Day/Year	`)	ying s and 4)	Deriv-	Owned	10. Owner-ship of Deriv- ative Secur- ity: Direct (D) or In- direct	11. Nature of In- direct Bene- ficial Owner-
Derivative	ative	Date	any	8)	4 and	5)	Date	Expira-		Number	ity	of Year	(I)	ship
Security (Instr. 3)	Secur- ity	(mm/aa/ yy)	(mm/dd/ yy)		(A)	(D)	cisable	Date	Title	of Shares	(Instr. 5)	(Instr. 4)	(Instr. 4)	(Instr. 4)
Phantom Stoc	k 1-for-	1 (1)		A	2,815		(2)	(2) (Common Stock	2,815		14,312	I B	y Plan
========	======	======	======	======	======	======		======	========	======		=======	======	=======

By:	/s/ Janet L. Horgan	February 14, 2003
	Janet L. Horgan, Attorney-in-fact	Date

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 provided is insufficient, see Instruction 6 for procedure.

Acquired on various dates in 2002 pursuant to Arch Coal, Inc.'s Director Compensation Plan.
 Payable in cash upon termination of the Reporting Person's service on Arch Coal Inc.'s Board.