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## U.S. SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM 4

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(f) of the Investment Company Act of 1940

[\_] Check box if no longer subject of Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Name and Address of Reporting Person\*

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Leer

(Last)	(First)	(Middle)						
CityPlace One, Suite 300								
	(Street)			-				
St. Louis	Missouri	63141						
(City)	(State)							
(OILY)	(State)	(210)						
2. Issuer Name and Ticker o	r Trading Symbol			-				
Arch Coal, Inc. (ACI)								
3. IRS Identification Numbe	r of Reporting Person	, if an Entity	(Voluntary)	-				
4. Statement for Month/Year				-				
February, 1999								
5. If Amendment, Date of Or	iginal (Month/Year)			-				
6. Relationship of Reportin (Check all applicable)		=======		:				
[_] Director [X] Officer (give title		10% Owner Other (speci	fy below)					
President and Chief Exec	utive Officer							
7. Individual or Joint/Grou	p Filing (Check appli	cable line)		-				
<pre>[X] Form filed by one R [_] Form filed by more</pre>	eporting Person than one Reporting Pe	rson		-				
	ivative Securities Acor Beneficially Owned	quired, Dispos	ed of,					
		3. Transaction	4. Securities Acqu Disposed of (D) (Instr. 3, 4 an	nd 5)		5. Amount of Securities Beneficially	6. Owner- ship Form: Direct	7. Nature of
1. Title of Security (Instr. 3)	2. Transaction Date (mm/dd/yy)	Code (Instr. 8)  Code V			Price	Owned at End of Month (Instr. 3 and 4)	(I)	Indirect Beneficial Ownership ) (Instr. 4)
Common Stock	2/4/99(1)	I V	17,091	Α	12.00		I	By 401(k)
Common Stock	2/5/99	I V		Α		17,111.1935	I	By 401(k)
						1,010	D	

(1) The purchase of shares were made by the Arch Coal Thrift Plan Administrator pursuant to the Reporting Person's intraplan transfer and the purchase of the shares occurred over two days.  * If the Form is filed by more than one Reporting Person, see Instruction 4(b)(v).
Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.
(Print or Type Responses)  (Over)

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

\_\_\_\_\_

1. Title of Derivative Security	2. Conversion or Exercise Price of Derivative Secursion	3. Trans- action Date (Month/ Day/		n r.	or Dis of(D) (Instr 4 and	tive ties ed (A) posed . 3,	Expirati (Month/I  Date Exer-	able and ion Date Day/Year)  Expira- tion	7. Title and of Underl Securitie (Instr. 3	ying s and 4)  Amount or Number of	Deriv- ative Secur- ity (Instr.	•	(D) or In- direct (I) (Instr.	11. Nature of In- direct Bene- ficial Owner- ship (Instr.
(Instr. 3)	ity	Year) 	Code	V 	(A)	(D)	cisable	Date 	Title	Shares	5)	4)	4)	4)
Employee Stock Opt (Right to Buy)		2/25/99	A 	V 	70,000	)	(1)	2/25/09	Common Stock	70,000	10.6875	70,000	D	
	<b>-</b>					· <b></b>	<b>-</b>	<b></b>	<b></b>	<b>-</b>	<b></b>			<b></b>
Explanation of Res (1) The option ves following amounts:	ts in four			ment	s begi	 nning 2	2/25/2000	in the		======	======	=======	======	:======
/s/ Miriam R	Rogers Sin	ger					March 8,	1999						

/s/ Miriam Rogers Singer	March 8, 1999
**Signature of Reporting Person	Date

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.

Intentional misstatements or omissions of facts constitute Federal Criminal Violations.