### LEER STEVEN F Form 5 February 14, 2002

# U.S. SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

FORM 5

#### ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

THIN OTHE OT	TITELENT OF OHIMOED IN BENEF	OTTE OWNEROITE	
Section 17(a) of	ection 16(a) of the Securitie the Public Utility Holding ( 80(f) of the Investment Compa	Company Act of 1935 or	
[_] Check box if no lon may continue. See I	nger subject to Section 16. Instruction 1(b).	Form 4 or Form 5 obligation	ns
[_] Form 3 Holdings Rep	ported		
[_] Form 4 Transactions	Reported		
1. Name and Address of	Reporting Person*		
Leer	Steven	F.	
(Last)	(First)	(Middle)	
CityPlace One, Suite 300	1		
	(Street)		
St. Louis	MO	63141	
(City)	(State)	(Zip)	
2. Issuer Name and Tic	ker or Trading Symbol		
Arch Coal, Inc. (ACI)			
3. IRS Identification	Number of Reporting Person,	if an Entity (Voluntary)	
4. Statement for Month	/Year		
December 31, 2001			
5. If Amendment, Date	of Original (Month/Year)		

[\_] 10% Owner

6. Relationship of Reporting Person to Issuer

(Check all applicable)

[X] Director

[X] Officer (give title below President and Chief Executive Office		Other (speci	fy below)		
7. Individual or Joint/Group Fili (Check applicable line)	ing				
<pre>[X] Form filed by one Reporti [_] Form filed by more than of</pre>	=	rson			
Table I Non-Derivative Securities Acquired, Disposed of,  or Beneficially Owned					
				==	
			Amount or		
1. Title of Security (Instr. 3)	Date (mm/dd/yy)	(Instr. 8)			
Common Stock					
Common Stock-401(k)plan		I	5,390	А	(1)
(1) Acquired on various dates in 2					

Reminder: Report on a separate line for each class of securities beneficially

 $^{\star}$  If the form is filed by more than one Reporting Person, see Instruction

4(b)(v).

owned directly or indirectly.

(Print or Type Responses)

(Over)

FORM 5 (continued)

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)		3. Trans- action Date (Month/ Day/ Year)	action Code	4 and	tive ties red (A) posed . 3, 5)	Expirati (Month/D  Date	on Date ay/Year) Expira- tion	of Under Securiti	
Employee Stock Option	\$21.95 2/	22/01	А	31,700	ı	(1)	2/22/11	Common Stock	31,700
Employee Stock Option	\$22.90 6/2	:7/01	A	145,700	1	1/1/04	6/30/06	Common Stock	145,700
(1) Vosts in thro		======== 	llmonta	aommonai	======	2/22/02		=======	

<sup>(1)</sup> Vests in three equal annual installments commencing on 2/22/02.

Explanation of Responses:

/s/ Janet L. Horgan ----- February 14, 2002

\_\_\_\_\_

By: Janet L. Horgan, as Attorney-in-Fact

\*\*Signature of Reporting Person

\*\* 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.

Page 2