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(1) Acquired on various dates in 2001 pursuant to Arch Coal Inc.'s 401(k) plan at prices from \$14.40 to \$30.85 per share.

* 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 (Instr. 3)	2. Conver- sion or Exer- cise Price of Deriv- ative Secur- ity	3. Trans- action Date (Month/ Day/ Year)	4. Trans- action Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) ----- (A) (D)	6. Date Exercisable and Expiration Date (Month/Day/Year) ----- Date Expira- tion Date		7. Title and Amount of Underlying Securities (Instr. 3 and 4) ----- Amount or Number of Shares	8. Price of Deriv- ative Secur- ity (Instr. 5)	9. Number of Deriv- ative Secur- ities Bene- ficially Owned at End Year (Instr. 4)	10. Owner- ship of Deriv- ative Secur- ity: Direct (D) or In- direct (I) (Instr. 4)	11. Nature of In- direct Bene- ficial Owner- ship (Instr. 4)
Employee Stock Option	\$21.95	2/22/01	A	2,800	(1)	2/22/11	Common Stock 2,800	2,800		D	
Employee Stock Option	\$22.90	6/27/01	A	16,500		1/1/04 6/30/06	Common Stock 16,500	16,500		D	

(1) 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 Date
**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.