

OMB APPROVAL

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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).

1. Name and Address of Reporting Person*

Boyd James R.
(Last) (First) (Middle)
P.O. Box 391
(Ashland) (Kentucky) (41114)
(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol

Arch Coal, Inc. (ACI)

3. IRS Identification Number of Reporting Person, if an Entity (Voluntary)

4. Statement for Month/Year

10/98

5. If Amendment, Date of Original (Month/Year)

6. Relationship of Reporting Person to Issuer
(Check all applicable)

[X] Director [] 10% Owner
[] Officer (give title below) [] Other (specify below)

7. Individual or Joint/Group Filing (Check applicable line)

[X] Form filed by one Reporting Person
[] Form filed by more than one Reporting Person

Table I -- Non-Derivative Securities Acquired, Disposed of,
or Beneficially Owned

Table with 7 columns: 1. Title of Security, 2. Transaction Date, 3. Transaction Code, 4. Securities Acquired (A) or Disposed of (D), 5. Amount or Price, 6. Amount of Securities Beneficially Owned at End of Month, 7. Nature of Ownership. Row 1: Common Stock, 10/15/98, P, 1,000.00, A, 15.4375, 3000.00, D.

* 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)

(Form 4-07/98)

FORM 4 (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) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 6. Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Beneficially Owned at End of Month (Instr. 4) | 10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Beneficial Ownership (Instr. 4) |
|--|--|--------------------------------------|--------------------------------|--|---|---|--|--|--|---|
|--|--|--------------------------------------|--------------------------------|--|---|---|--|--|--|---|

Explanation of Responses:

/s/ Miriam Rogers Singer

 **Signature of Reporting Person
 (on behalf of James R. Boyd)

November 9, 1998

 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.