SEC Form 4

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FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL

| 1 | | |
|---|-------------------------|-----------|
| l | hours per response: | 0.5 |
| l | Estimated average burde | en |
| I | OMB Number: | 3235-0287 |

| 1. Name and Address of Reporting Person* <u>MESSEY ROBERT J</u> (Last) (First) (Middle) ONE CITYPLACE DRIVE | | | 2. Issuer Name and Ticker or Trading Symbol <u>ARCH COAL INC</u> [ACI] 3. Date of Earliest Transaction (Month/Day/Year) 09/01/2005 | | tionship of Reporting Perso all applicable) Director Officer (give title below) Senior Vice Presider | 10% Owner e Other (specify below) | | | | | | | | | |
|---|--|----------------------|--|--|---|---|--|--|--|--|--|--|--|--|--|
| (Street) ST. LOUIS MO 63141 (City) (State) (Zip) | | | 4. If Amendment, Date of Original Filed (Month/Day/Year) | 6. Indiv Line) X | , | | | | | | | | | | |
| | | Table I - Non-Deriva | ative Securities Acquired, Disposed of, or Benefi | Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned | | | | | | | | | | | |

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

| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned | | | | | | | | | | | |
|--|--|---|--------------|---|------------------------------------|---------------------|--------------|---|-----------------|---|--|
| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | Code (Instr. | | 4. Securities Disposed Of 5) | | | 5. Amount of Securities Beneficially Owned Following Reported | (D) or Indirect | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | |
| | | | Code | v | Amount | (A) or (D) Price | | Transaction(s) (Instr. 3 and 4) | | | |
| Common Stock | 09/01/2005 | | М | | 17,125 | A | \$22.6 | 0 | D | | |
| Common Stock | 09/01/2005 | | S | | 17,125 | D | \$ <u>65</u> | 2,300 | D | | |

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) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transa Code (1 8) | | | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---|---|--|---|-------------------------------|---|-----|--------|--|--------------------|---|--|---|--|--|--|
| | | | | Code | v | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | | |
| Employee Stock Options | \$22.6 | 09/01/2005 | | м | | | 17,125 | (1) | 04/25/2012 | Common Stock | 17,125 | \$22.6 | 8,562 | D | |

Explanation of Responses:

1. 8,563 shares vested on April 25, 2004 and 8,562 shares vested on April 25, 2005.

Remarks:

/s/ Janet L. Horgan, Attorneyin-Fact

09/02/2005

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** 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 is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.