### Edgar Filing: ARCH COAL INC - Form 4

| ARCH COAL I<br>Form 4   |                                    |  |   |  |  |   |  |   |   |  |
|---|------------------------------------|--|---|--|--|---|--|---|---|--|
| FORM 4  | 1                                  | STATES                                     |   |  |  |   | COMMISSIO  |   | PPROVAL<br>3235-0287  |  |
| Washington, D.C. 20549Washington, D.C. 20549Check this box<br>if no longer<br>subject to<br>Section 16.StateMent OF CHANGES IN BENEFICIAL OWNERSHIP OF<br>Section 16.Form 4 or<br>Form 5<br>obligations<br> |                                    |  |   |  |  |   | Expires:<br>Estimated<br>burden hou<br>response  | Expires:January 31,<br>2005Estimated average<br>burden hours per<br>response0.5 |   |  |
| (Print or Type Resp   | oonses)                            |  |   |  |  |   |  |   |   |  |
| 1. Name and Address of Reporting Person <u>*</u><br>BOYD JAMES R  |                                    |  | Symbol  | er Name <b>an</b><br>COAL II                     |  |   | 5. Relationship of Reporting Person(s) to Issuer   |   |   |  |
| (Last) (First) (Middle) ONECITYPLACE DRIVE  |                                    |  | 3. Date of Earliest Transaction<br>(Month/Day/Year)<br>09/15/2011 |  |  | (Check all applicable)<br><u>X</u> Director<br>Officer (give title 10% Owner<br>below) Other (specify<br>below)   |  |   |   |  |
| (Street)<br>ST. LOUIS, MO 63141   |                                    |  | 4. If Amendment, Date Original Filed(Month/Day/Year)              |  |  | <ul> <li>6. Individual or Joint/Group Filing(Check</li> <li>Applicable Line)</li> <li>_X_ Form filed by One Reporting Person</li> <li> Form filed by More than One Reporting</li> <li>Person</li> </ul> |  |   |   |  |
| (City)  | (State)                            | (Zip)                                      | Tab   | le I - Non-l                                     | Derivative   | Securities A  | Acquired, Disposed   | of, or Beneficia  | lly Owned   |  |
|   | `ransaction Date<br>onth/Day/Year) | 2A. Deeme<br>Execution<br>any<br>(Month/Da | Date, if  | 3.<br>Transactio<br>Code<br>(Instr. 8)<br>Code V | 4. Securiti<br>nAcquired<br>Disposed<br>(Instr. 3, 4 | (A) or<br>of (D)  | 5. Amount of<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 3 and 4) | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I)<br>(Instr. 4)            | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |  |
| Reminder: Report o  | on a separate line                 | e for each cla                             | ass of sec  | urities bene                                     | Perso<br>inform<br>requir                            | ns who res<br>nation cont<br>ed to resp<br>ys a curre   | or indirectly.<br>spond to the colle<br>tained in this forn<br>ond unless the fo<br>ntly valid OMB co              | n are not<br>rm   | SEC 1474<br>(9-02)  |  |

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

| 1. Title of | 2.          | 3. Transaction Date | 3A. Deemed         | 4.         | 5. Number  | 6. Date Exercisable and | 7. Title and Amount of | 8. Price   |
|-------------|-------------|---------------------|--------------------|------------|------------|-------------------------|------------------------|------------|
| Derivative  | Conversion  | (Month/Day/Year)    | Execution Date, if | Transactio | onof       | Expiration Date         | Underlying Securities  | Derivativ  |
| Security    | or Exercise |                     | any                | Code       | Derivative | (Month/Day/Year)        | (Instr. 3 and 4)       | Security   |
| (Instr. 3)  | Price of    |                     | (Month/Day/Year)   | (Instr. 8) | Securities |                         |                        | (Instr. 5) |

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|                  | Derivative<br>Security |            |      |   | Acqui<br>(A) or<br>Dispo<br>of (D)<br>(Instr.<br>and 5) | sed<br>3, 4, |                     |                    |                 |  |         |
|------------------|------------------------|------------|------|---|---|--------------|---------------------|--------------------|-----------------|--|---------|
|                  |                        |            | Code | V | (A)   | (D)          | Date<br>Exercisable | Expiration<br>Date | Title           | Amount<br>or<br>Number<br>of<br>Shares |         |
| Phantom<br>Stock | <u>(1)</u>             | 09/15/2011 | А    |   | 546   |              | (2)                 | (2)                | Common<br>Stock | 546                                    | \$ 20.3 |

### **Reporting Owners**

| <b>Reporting Owner Name / Address</b>                     |          | Relationsh |         |       |
|---|----------|------------|---------|-------|
|   | Director | 10% Owner  | Officer | Other |
| BOYD JAMES R<br>ONECITYPLACE DRIVE<br>ST. LOUIS, MO 63141 | Х        |            |         |       |
| Signatures  |          |            |         |       |
| /s/ Jon S. Ploetz,<br>Attorney-in-Fact                    | (        | 9/19/2011  |         |       |
| <b>**</b> Signature of Reporting Person                   |          | Date       |         |       |

## **Explanation of Responses:**

- \* 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).

Each share of phantom stock represents a right to receive the value in cash of one share of Arch Coal, Inc. common stock. The shares of phantom stock are held by the director through the Arch Coal, Inc. Deferred Compensation Plan for Non-Employee Directors (the

- (1) "Plan"). The shares of phantom stock acquired by the director represent dividends attributable to amounts that the director elected to defer under the Plan into a hypothetical investment in shares of Arch Coal, Inc. common stock.
- (2) Shares of phantom stock are payable in cash following termination of the director's service as a director of Arch Coal, Inc. The director may transfer amounts held in the phantom stock account into an alternative investment account at any time.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.