

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

1. Name and Address of Reporting Person* <u>Drexler John T.</u> (Last) (First) (Middle) ONE CITY PLACE SUITE 300 (Street) ST. LOUIS MO 63141 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 05/01/2008	3. Issuer Name and Ticker or Trading Symbol <u>ARCH COAL INC [ACI]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) Sr. V.P. and CFO	5. If Amendment, Date of Original Filed (Month/Day/Year) 05/08/2008 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	951	D	

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
Employee Stock Options (right to buy)	(1)	02/29/2012	Common Stock	2,074	9.08	D
Employee Stock Options (right to buy)	(2)	04/25/2012	Common Stock	2,074	11.3	D
Employee Stock Options (right to buy)	(3)	07/22/2014	Common Stock	5,400	16.1	D
Employee Stock Options (right to buy)	(4)	02/22/2017	Common Stock	8,700	32.99	D
Employee Stock Options (right to buy)	(5)	02/21/2018	Common Stock	4,650	52.69	D
Employee Stock Options (right to buy)	(6)	04/24/2018	Common Stock	34,400	56.84	D

Explanation of Responses:

- The reporting person received 10,700 stock options on February 28, 2002. As of the date of this report, the reporting person has 2,074 stock options remaining which vested on February 28, 2006.
- The reporting person received 10,700 stock options on April 25, 2002. As of the date of this report, the reporting person has 2,074 stock options remaining which vested on April 25, 2006.
- The reporting person received 6,000 stock options on July 22, 2004. As of the date of this report, the reporting person has 5,400 stock options remaining. The stock options vested as follows: 2,000 stock options vested on July 22, 2005; 2,000 stock options vested on July 22, 2006; and 2,000 stock options vested on July 22, 2007.
- The reporting person received 8,700 stock options on February 22, 2007. The stock options vest as follows: 2,900 stock options vested on February 22, 2008; 2,900 stock options vest on February 22, 2009; and 2,900 stock options vest on February 22, 2010.
- The reporting person received 4,650 stock options on February 21, 2008. The stock options vest as follows: 1,550 stock options vest on February 21, 2009; 1,550 stock options vest on February 21, 2010; and 1,550 stock options vest on February 21, 2011.
- The reporting person received 34,400 non-qualified stock options on April 24, 2008. The stock options vest as follows: 11,467 stock options vest on April 24, 2009; 11,467 stock options vest on April 24, 2010; and 11,466 stock options vest on April 24, 2011.

Remarks:

/s/ Gregory A. Billhartz, 05/13/2008
Attorney-in-Fact
 ** 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 5 (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.

Power of Attorney

The undersigned appoints each of the Secretary, Assistant Secretary and General Counsel of Arch Coal, Inc. (the "Company"), with full power of each of them to act alone, as his true and lawful attorneys-in-fact and agents to execute and file on behalf of the undersigned all Forms 3, 4 and 5, and any amendments thereto, that the undersigned may be required to file with the Securities and Exchange Commission, and any stock exchange or similar authority as a result of the undersigned's ownership of or transactions in securities of the Company. The authority of the foregoing individuals under this Power of Attorney shall continue until the undersigned is no longer required to file Forms 3, 4 and 5 with regard to the undersigned's ownership of or transactions in securities of the Company, unless earlier revoked in writing. The undersigned acknowledges that the foregoing individuals are not assuming any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934, as amended.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 17th day of April 2008.

/s/ John T. Drexler