FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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Name and Address of Reporting Person* Drexler John T.	2. Date of Event Requiring Statement (Month/Day/Year) 05/01/2008		3. Issuer Name and Ticker or Trading Symbol ARCH COAL INC [ACI]				
(Last) (First) (Middle) ONE CITY PLACE			Relationship of Reporting Perso (Check all applicable) Director	10% Owne	er (Mo	5. If Amendment, Date of Original Filed (Month/Day/Year)	
SUITE 300			X Officer (give title below)	Other (spe below)	, loʻi	6. Individual or Joint/Group Filing (Check Applicable Line)	
(Street) ST. LOUIS MO 63141			Sr. V.P. and CI	FO	2		y One Reporting Person y More than One erson
(City) (State) (Zip)							
	Table I - No	n-Derivat	ive Securities Beneficiall	y Owned			
1. Title of Security (Instr. 4)			. Amount of Securities leneficially Owned (Instr. 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)		5. Ownership Form:	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Price of Derivative Security	Direct (D) or Indirect (I) (Instr. 5)	
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:

- 1. 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.
- 2. 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.
- 3. 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.
- 4. 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.
- 5. 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, 2011:
- 6. 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, Attorney-in-Fact 05/07/2008

** 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.

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