#### FELDMAN SHEILA B

Form 4

February 05, 2008

## FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

**OMB** 3235-0287

**OMB APPROVAL** 

Number: Expires:

January 31, 2005

0.5

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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(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Rep FELDMAN SHEILA I	-	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
(Last) (First)	(Middle)	ARCH COAL INC [ACI]  3. Date of Earliest Transaction	(Check all applicable)			
ONECITYPLACE DRIVE		(Month/Day/Year) 02/01/2008	Director 10% Owner Officer (give title Other (specification) below)  VP - Human Resources			
(Street)		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></ul>			
ST. LOUIS, MO 6314	l		Form filed by More than One Reporting Person			
(0': )	(7.)					

(City)	(State) (A	Table	I - Non-De	erivative S	Securi	ties Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if	3. Transactio	4. Securi		•	5. Amount of Securities	6. Ownership Form: Direct	7. Nature of Indirect
(Instr. 3)		any	Code	(D)			Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3,	4 and	5)	Owned Following	Indirect (I) (Instr. 4)	Ownership (Instr. 4)
					(A)		Reported Transaction(s)		
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common stock (1)	02/01/2008		M	3,000	A	\$ 8.72	7,018	D	
Common stock (1)	02/01/2008		S	3,000	D	\$ 47	4,018	D	

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

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# 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. Transactic Code (Instr. 8)	Transaction Derivative Code Securities		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Employee stock options (right to buy) (1)	\$ 8.72	02/01/2008		M	3,000	(2)	02/03/2013	Common stock	3,000	

## **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

FELDMAN SHEILA B ONECITYPLACE DRIVE ST. LOUIS, MO 63141

VP - Human Resources

## **Signatures**

/s/ Gregory A. Billhartz Attorney-in-fact

02/05/2008

\*\*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).
- (1) The exercise of employee stock options and sale of underlying shares of common stock by the executive officer reported on this Form 4 were effected pursuant to a Rule 10b5-1 trading plan.
- The reporting person received 60,000 stock options on February 3, 2003. The stock options vested ratably over a three year period as (2) follows: 20,000 stock options vested on February 3, 2004; 20,000 stock options vested on February 3, 2005; and 20,000 stock options vested on February 3, 2006.

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.

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