ARCH COAL INC Form 4

October 29, 2007

FORM 4

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

Check this box

if no longer subject to

Section 16. Form 4 or Form 5 obligations

may continue. See Instruction

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

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

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * LEER STEVEN F

(Last) (First) (Middle)

(Street)

ONECITYPLACE DRIVE

ST. LOUIS, MO 63141

2. Issuer Name and Ticker or Trading Symbol

ARCH COAL INC [ACI]

3. Date of Earliest Transaction (Month/Day/Year)

10/25/2007

4. If Amendment, Date Original

Filed(Month/Day/Year)

OMB APPROVAL

OMB Number:

3235-0287

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5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

_X__ Director 10% Owner X_ Officer (give title Other (specify below)

Chairman and CEO

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

(City)	(State)	(Zip) Tak	ole I - Non-	Derivative :	Securi	ities Acquire	ed, Disposed of, o	or Beneficially	Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactio Code (Instr. 8)	4. Securities Acquired (A) or orDisposed of (D) (Instr. 3, 4 and 5) (A) or			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(D)	Price	(Instr. 3 and 4)		
Common Stock (1)	10/25/2007		M	70,000	A	\$ 11.4375	71,010	D	
Common Stock (1)	10/25/2007		M	140,000	A	\$ 5.3438	211,010	D	
Common Stock (1)	10/25/2007		M	63,400	A	\$ 10.975	274,410	D	
Common stock (1)	10/25/2007		S	1,800	D	\$ 38.08	272,610	D	
Common stock (1)	10/25/2007		S	7,700	D	\$ 38	264,910	D	

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Common stock (1)	10/25/2007	S	600	D	\$ 37.98	264,310	D
Common stock (1)	10/25/2007	S	100	D	\$ 37.99	264,210	D
Common stock (1)	10/25/2007	S	10,000	D	\$ 38.04	254,210	D
Common stock (1)	10/25/2007	S	3,800	D	\$ 38.01	250,410	D
Common stock (1)	10/25/2007	S	1,200	D	\$ 38.02	249,210	D
Common stock (1)	10/25/2007	S	4,000	D	\$ 38.11	245,210	D
Common stock (1)	10/25/2007	S	1,100	D	\$ 38.18	244,110	D
Common stock (1)	10/25/2007	S	2,100	D	\$ 38.2	242,010	D
Common stock (1)	10/25/2007	S	6,700	D	\$ 37.94	235,310	D
Common stock (1)	10/25/2007	S	4,200	D	\$ 37.93	231,110	D
Common stock (1)	10/25/2007	S	7,900	D	\$ 37.95	223,210	D
Common stock (1)	10/25/2007	S	8,400	D	\$ 37.96	214,810	D
Common stock (1)	10/25/2007	S	1,400	D	\$ 37.97	213,410	D
Common stock (1)	10/25/2007	S	3,200	D	\$ 38.09	210,210	D
Common stock (1)	10/25/2007	S	5,000	D	\$ 38.1	205,210	D
Common stock (1)	10/25/2007	S	800	D	\$ 38.19	204,410	D
Common stock (1)	10/25/2007	S	100	D	\$ 37.36	204,310	D
Common stock (1)	10/25/2007	S	2,800	D	\$ 37.35	201,510	D
Common stock (1)	10/25/2007	S	100	D	\$ 37.37	201,410	D
Common stock (1)	10/25/2007	S	200	D	\$ 37.4	201,210	D
	10/25/2007	S	300	D	\$ 37.41	200,910	D

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Common stock (1)							
Common stock (1)	10/25/2007	S	21,700	D	\$ 37.45	179,210	D
Common stock (1)	10/25/2007	S	1,900	D	\$ 37.46	177,310	D
Common stock (1)	10/25/2007	S	2,800	D	\$ 37.47	174,510	D
Common stock (1)	10/25/2007	S	2,500	D	\$ 37.48	172,010	D

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

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(9-02)

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. Transaction Code (Instr. 8)			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 Number Shares
Employee stock options (right to buy) (1)	\$ 11.4375	10/25/2007		M		70,000	<u>(2)</u>	07/22/2008	Common stock	70,000
Employee stock options (right to buy) (1)	\$ 5.3438	10/25/2007		M		140,000	(3)	02/25/2009	Common stock	140,00
Employee stock options (right to buy) (1)	\$ 10.975	10/25/2007		M		63,400	<u>(4)</u>	02/22/2011	Common stock	63,400

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Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

LEER STEVEN F

ONECITYPLACE DRIVE X Chairman and CEO

ST. LOUIS, MO 63141

Signatures

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

10/29/2007

**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).
- 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 70,000 stock options on July 22, 1998. The stock options vested ratably over a three year period as follows: 23,334 stock options vested on July 22, 1999; 23,333 stock options vested on July 22, 2000; and 23,333 stock options vested on July 22, 2001.
 - The reporting person received 140,000 stock options on February 25, 1999. The stock options vested over a four year period as follows:
- (3) 23,338 stock options vested on February 25, 2000; 46,660 stock options vested on February 25, 2001; 46,662 stock options vested on February 25, 2002; and 23,340 stock options vested on February 25, 2003.
 - The reporting person received 63,400 stock options on February 22, 2001. The stock options vested ratably over a three year period as
- (4) follows: 21,134 stock options vested on February 22, 2002; 21,133 stock options vested on February 22, 2003; and 21,133 stock options vested on February 22, 2004.

Remarks:

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