ENGELHARDT IRL F

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if no longer

subject to

Form 4 May 10, 2006

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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response...

Section 16. Form 4 or Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * ENGELHARDT IRL F			2. Issuer Name and Ticker or Trading Symbol PEABODY ENERGY CORP [BTU]	5. Relationship of Reporting Person(s) to Issuer		
(Last)	(First) (Middle)		3. Date of Earliest Transaction	(Check all applicable)		
701 MARKET STREET (Street)			(Month/Day/Year) 05/09/2006	X Director 10% Owner Officer (give title below) Other (specify below)		
			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Chec		
			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person		
ST. LOUIS, MO 63101-1826				Form filed by More than One Reporting Person		

51. E0015, MO 05101 1020	Person

(City)	(State)	(Zip) Tabl	e I - Non-E	Derivative S	Securi	ties Acqu	ired, Disposed of	, or Beneficial	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)		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	or (D)	Price	(Instr. 3 and 4)		
Common Stock	05/09/2006		M	50,000	A	\$ 6.715	592,236	D (1)	
Common Stock	05/09/2006		S(2)	200	D	\$ 72.05	592,036	I (1)	By Trust
Common Stock	05/09/2006		S(2)	9,800	D	\$ 71.9	582,236	I (1)	By Trust
Common Stock	05/09/2006		S(2)	300	D	\$ 71.94	581,936	I (1)	By Trust
Common Stock	05/09/2006		S(2)	9,700	D	\$ 71.87	572,236	I (1)	By Trust
	05/09/2006		S(2)	300	D		571,936	I (1)	By Trust

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Common Stock					\$ 71.94			
Common Stock	05/09/2006	S(2)	9,700	D	\$ 71.76	562,236	I (1)	By Trust
Common Stock	05/09/2006	S(2)	700	D	\$ 71.84	561,536	I (1)	By Trust
Common Stock	05/09/2006	S(2)	9,300	D	\$ 71.73	552,236	I (1)	By Trust
Common Stock	05/09/2006	S(2)	400	D	\$ 71.67	551,836	I (1)	By Trust
Common Stock	05/09/2006	S(2)	4,600	D	\$ 71.61	547,236	I (1)	By Trust
Common Stock	05/09/2006	S(2)	600	D	\$ 71.76	546,636	I (1)	By Trust
Common Stock	05/09/2006	S(2)	400	D	\$ 71.75	546,236	I (1)	By Trust
Common Stock	05/09/2006	S(2)	100	D	\$ 71.88	546,136	I (1)	By Trust
Common Stock	05/09/2006	S(2)	3,900	D	\$ 71.75	542,236	I (1)	By Trust
Common Stock						32,518 <u>(3)</u>	D	
Common Stock						19,422	I	By 401(k) Plan
Common Stock						4,400	I	By Spouse

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

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SEC 1474

(9-02)

 $\label{thm:convergence} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (e.g., puts, calls, warrants, options, convertible securities) \end{tabular}$

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)	5. Number of or Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)
				Code V	(A) (D)		Title

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Date Expiration Exercisable Date

Number of Shares

or

Amount

Employee

Stock

Option \$6.715 05/09/2006 M 50,000 01/15/2003 01/15/2012 Common Stock 50,000

buy)

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

ENGELHARDT IRL F
701 MARKET STREET X

ST. LOUIS, MO 63101-1826

Signatures

/s/ Joseph W. Bean, Attorney-in-Fact for Irl F.

Engelhardt 05/10/2006

**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) Pursuant to Rule 10b5-1 trading plan referred to in footnote 2, upon exercise of the options the shares are immediately transferred to a family trust.
- (2) This sale was effected pursuant to a pre-existing Rule 10b5-1 trading plan adopted by the reporting person.
- (3) Includes 5,606 shares acquired pursuant to the Company's Employee Stock Purchase Plan.
- (4) Not applicable.
- (5) Does not include an additional 1,826,060 options with different expiration dates and exercise prices.

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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