## Edgar Filing: Freudenthal David D. - Form 4

Freudenthal Davi Form 4	d D.									
June 16, 2011										
FORM 4									APPROVAL	
<b>UNITED STATES SECURITIES AND EXCHANGE COMMISSION</b> Washington, D.C. 20549								N OMB Number:	3235-0287	
Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations	<b>IENT OF</b>	ection	SECUI	Estimated burden hou response	urs per					
may continue. See Instruction 1(b).				•	•	npany Act y Act of 1	of 1935 or Secti 940	on		
(Print or Type Respo	nses)									
1. Name and Address of Reporting Person <u>*</u> Freudenthal David D.			2. Issuer Name <b>and</b> Ticker or Trading Symbol ARCH COAL INC [ACI]				5. Relationship of Reporting Person(s) to Issuer			
(Last) (First) (Middle)			3. Date of Earliest Transaction				(Check all applicable)			
ONE CITYPLACE DRIVE, SUITE 300			(Month/Day/Year) 06/15/2011			Officer (give title 10% Owner Officer (give title Other (specify below)				
(Street)			4. If Amendment, Date Original Filed(Month/Day/Year)			6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting				
ST. LOUIS, MO	63141						Person	More than One R	leporting	
(City) (	(State)	(Zip)	Tab	le I - Non-l	Derivative	Securities A	cquired, Disposed	of, or Beneficia	ally Owned	
	ansaction Date th/Day/Year)	2A. Deeme Execution any (Month/Da	Date, if	3. Transactio Code (Instr. 8) Code V	4. Securiti nAcquired Disposed (Instr. 3, 4)	(A) or of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Domindor: Domost	0.0000r-t- 1'	for a -1 1					an in dina at l			
Reminder: Report or	i a separate line	or each cla	ass of sec	unities bene	Perso inform requir	ns who res ation cont ed to resp ys a curre	spond to the colle tained in this forn ond unless the fo ntly valid OMB co	n are not rm	SEC 1474 (9-02)	

 Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

 (e.g., puts, calls, warrants, options, convertible securities)

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exercisable and	7. Title and Amount of	8. Price of
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration Date	Underlying Securities	Derivative
Security	or Exercise		any	Code	of	(Month/Day/Year)	(Instr. 3 and 4)	Security

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(Instr. 3)	Price of Derivative Security	(Month/Day/Year	) (Instr. 8)	Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)					(Instr. 5)
			Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Phantom Stock	<u>(1)</u>	06/15/2011	А	10	(2)	(2)	Common Stock	10	\$ 25.1

## **Reporting Owners**

Reporting Owner Name / Address	Relationships						
1 8	Director	10% Owner	Officer	Other			
Freudenthal David D. ONE CITYPLACE DRIVE SUITE 300 ST. LOUIS, MO 63141	Х						
Signatures							
/s/ Robert G. Jones, Attorney-in-Fact		06/16/201	1				

\*\*Signature of Reporting Person

## **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).

Date

Each share of phantom stock represents a right to receive the value in cash of one share of Arch Coal, Inc. common stock. The shares of phantom stock are held by the director through the Arch Coal, Inc. Deferred Compensation Plan for Non-Employee Directors (the "Plan"). The shares of phantom stock are held by the director represent dividends attributely to amounts that the director alcost to defer

- (1) "Plan"). The shares of phantom stock acquired by the director represent dividends attributable to amounts that the director elected to defer under the Plan into a hypothetical investment in shares of Arch Coal, Inc. common stock.
- (2) Shares of phantom stock are payable in cash following termination of the director's service as a director of Arch Coal, Inc. The director may transfer certain portions of the phantom stock account into an alternative investment account at any time.

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.