#### SANDS THEODORE D

Form 4

December 16, 2011

# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

**OMB** 3235-0287 Number:

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**OMB APPROVAL** 

Estimated average burden hours per response...

Check this box if no longer subject to Section 16.

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

(Last)

1.Title of

Security

(Instr. 3)

(Print or Type Responses)

1. Name and Address of Reporting Person \* SANDS THEODORE D

(First)

(Street)

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

ONE CITYPLACE DRIVE

(Middle)

ARCH COAL INC [ACI] 3. Date of Earliest Transaction

X\_ Director 10% Owner

(Month/Day/Year)

12/15/2011

Other (specify Officer (give title below)

(Check all applicable)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

Code

(Instr. 8)

\_X\_ Form filed by One Reporting Person Form filed by More than One Reporting

(Instr. 4)

Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

Owned

ST. LOUIS, MO 63141

(City) (State) (Zip)

2. Transaction Date 2A. Deemed

4. Securities (Month/Day/Year) Execution Date, if TransactionAcquired (A) or

Disposed of (D)

(Instr. 3, 4 and 5)

5. Amount of Securities Beneficially

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership

(Instr. 4)

Following Reported (A) Transaction(s)

or (Instr. 3 and 4)

Code V Amount (D) Price

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

(Month/Day/Year)

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

#### 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. Number	6. Date Exercisable and	7. Title and Amount of	8. Price
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactionof		Expiration Date	Underlying Securities	Derivativ
Security	or Exercise		any	Code	Derivative	(Month/Day/Year)	(Instr. 3 and 4)	Security
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Securities			(Instr. 5)

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	ecurity					r osed ) . 3, 4,					
			Cod	de V	and 5) (A)		Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Phantom	<u>(1)</u>	12/15/2011	A		351		(2)	(2)	Common	351	\$ 14.0

Acquired

Stock

# **Reporting Owners**

Derivative

Reporting Owner Name / Address	Relationships					
reporting owner runner runners	Director	10% Owner	Officer	Other		
SANDS THEODORE D ONE CITYPLACE DRIVE ST. LOUIS, MO 63141	X					

# **Signatures**

Stock

/s/ Robert G. Jones, Attorney-in-Fact

\*\*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).
- 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 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 amounts held in 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.

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