Jones J. Thomas

Form 3 July 23, 2010										
FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549							OMB APPROVAL			
								OMB Number:	3235-0	0104
INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES							POF	Expires: Estimated a		y 31, 2005
	-	(a) of th	to Section 16(a) ne Public Utility (h) of the Inves	y Holdi	ng Company	Act of 1935 of		burden hou response	irs per	0.5
(Print or Type Resp	ponses)									
Person *	. Name and Address of Reporting erson <u>*</u> A Jones J. Thomas			equiring 3. Issuer Name <b>and</b> Ticker or Trading Syn ARCH COAL INC [ACI]			ıbol			
			(Month/Day/Year) 07/21/2010					Amendment, Date Original (Month/Day/Year)		
ONE CITYPL DRIVE, SUI	(Check all applicable)			1						
(	(Street)				X Director Officer (give title below	ividual or Joint/Group (Check Applicable Line) orm filed by One Reporting				
ST. LOUIS,Â	MOÂ 63141						Person Fo			
(City) (	(State) (Z	ip)	Tal	ble I - N	Non-Derivat	ive Securities	Benefici	ally Owned	1	
1.Title of Security (Instr. 4)	,		Ber	Amount o neficially str. 4)	f Securities Owned	Ownership O	. Nature of ownership instr. 5)	Indirect Bene	ficial	
Reminder: Report owned directly or	•	ne for eac	h class of securitie	s benefic	<sup>ially</sup> S	EC 1473 (7-02)				
	information required to	n contai respon	ond to the colle ned in this form d unless the for B control numb	are not m displ						
Tab	ole II - Derivativ	ve Securi	ties Beneficially (	Owned (e	.g., puts, calls,	warrants, option	ns, convert	ible securities	5)	
1. Title of Derivat (Instr. 4)	tive Security		e Exercisable and tion Date <sub>ay/Year)</sub>	Securiti	and Amount of les Underlying ive Security	f 4. Conversion or Exercise Price of	5. Ownersh Form of Derivativ	ip Benefici (Instr. 5)	e of Indirec al Ownersh )	

Expiration Title

Date

Exercisable Date

Derivative

Security

Amount or

Number of

Shares

Security:

Direct (D)

or Indirect

(I)

(Instr. 5)

## **Reporting Owners**

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Jones J. Thomas ONE CITYPLACE DRIVE SUITE 300 ST. LOUIS, MO 63141	ÂX	Â	Â	Â		
Signatures						
/s/ Jon S. Ploetz, Attorney-in-Fact	07					
<u>**</u> Signature of Reporting Person		Date				
Explanation of Pa	enor	10001				

## **Explanation of Responses:**

## No securities are beneficially owned

- \* If the form is filed by more than one reporting person, see Instruction 5(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).

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.