

OMB APPROVAL	
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person * <u>Slone Deck</u>  (Last) (First) (Middle) ONE CITYPLACE DRIVE SUITE 300  (Street) ST. LOUIS MO 63141  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>ARCH COAL INC [ ARCH ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director 10% Owner X Officer (give title below) Other (specify below) <u>Sr. VP - Strategy &amp; Public Pol</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>11/23/2019</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

**Table I - Non-Derivative Securities Acquired, Disposed of, 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. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			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)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	11/23/2019		M		6,599	A	(1)	7,468	D	
Common Stock	11/23/2019		F		1,903 <sup>(2)</sup>	D	\$74.81	5,565	D	
Common Stock	11/23/2019		M		6,146	A	(1)	11,711	D	
Common Stock	11/23/2019		F		2,751 <sup>(2)</sup>	D	\$74.81	8,960	D	

**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)		5. Number of 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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Restricted Stock Units	(1)	11/23/2019		M			6,599	(3)	(3)	Class A Common Stock	6,599	\$0.00	0	D	
Restricted Stock Units	(1)	11/23/2019		M			6,146	(4)	(4)	Class A Common Stock	6,146	\$0.00	3,979	D	
Restricted Stock Units	(1)	11/23/2019		D			3,979	(4)	(4)	Class A Common Stock	3,979	\$0.00	0	D	

**Explanation of Responses:**

- Each restricted stock unit represents a contingent right to receive one share of Class A Common Stock of Arch Coal, Inc. (the "Company").
- These shares were withheld by the Company to satisfy the reporting person's tax withholding obligations.
- The restricted stock units are fully vested.
- On November 23, 2016, the reporting person received 10,125 restricted stock units that vested on November 23, 2019 based on the volume weighted average price of a share over any period of 90 consecutive days during the three-year performance period, with 25% of the units vesting if the share price is \$65 and 100% of the units vesting if the share price is \$125 (subject to straight-line interpolation between these two share prices). The award achieved 60.7% of target, resulting in the vesting of 6,146 restricted stock units and the forfeiture of 3,979 restricted stock units.

**Remarks:**

/s/ Rosemary L. Klein,  
Attorney-in-Fact

11/26/2019

\*\* Signature of Reporting Person Date

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

\* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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