

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

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>			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 <input type="checkbox"/> 10% Owner <input type="checkbox"/> <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) <u>Sr. VP - Strategy & Public Pol</u>			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>11/23/2019</u>			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person			
<u>ONE CITYPLACE DRIVE</u> <u>SUITE 300</u>			4. If Amendment, Date of Original Filed (Month/Day/Year)						
(Street)	(City)	(State)	(Zip)						
<u>ST. LOUIS</u>	<u>MO</u>	<u>63141</u>							

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 ⁽²⁾	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 ⁽²⁾	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
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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.