

| OMB APPROVAL | |
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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

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

| | | |
|--|---|---|
| 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 RESOURCES, INC. [ARCH]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) Sr. VP - Strategy & Public Pol |
| | 3. Date of Earliest Transaction (Month/Day/Year) 02/25/2022 | |
| 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 | 02/25/2022 | | M | | 3,150 | A | (1) | 11,078 | D | |
| Common Stock | 02/25/2022 | | F | | 934(2) | D | \$116.55 | 10,144 | D | |
| Common Stock | 02/27/2022 | | M | | 1,642 | A | (1) | 11,786 | D | |
| Common Stock | 02/27/2022 | | F | | 1,260(2) | D | \$116.55 | 10,526 | D | |
| Common Stock | 02/28/2022 | | S(3) | | 2,598 | D | \$123.34 | 7,928 | 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 | | | | | | Amount or Number of Shares |
| Restricted Stock Units | (1) | 02/25/2022 | | M | | 3,150 | | (4) | (4) | Class A Common Stock | 3,150 | \$0.00 | 6,300 | D | |
| Restricted Stock Units | (1) | 02/27/2022 | | M | | 1,642(5) | | (4) | (4) | Class A Common Stock | 1,642 | \$0.00 | 1,641 | D | |

Explanation of Responses:

- Each restricted stock unit represents a contingent right to receive one share of Class A Common Stock of Arch Resources, Inc. (the "Company").
- These shares were withheld by the Company to satisfy the reporting person's tax withholding obligations.
- The sales of shares was pursuant to the reporting person's pre-existing Rule 10b5-1 trading plan and represents an automatic sale to cover tax obligations and for other purposes.
- The restricted stock units are fully executed.
- The reporting person transferred the right to receive 50% of all shares issued upon vesting of restricted stock units granted prior to April 2020 to his former spouse pursuant to a domestic relations order.

Remarks:

/s/ Rosemary L. Klein, 03/01/2022
Attorney-in-Fact

** 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.