

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>Giljum Matthew C.</u>			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) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) Sr. VP and CFO		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>02/25/2023</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 SUITE 300</u>			4. If Amendment, Date of Original Filed (Month/Day/Year)					
(Street) <u>ST. LOUIS MO 63141</u>								
(City) (State) (Zip)								

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	02/25/2023		M		3,733	A	(1)	15,969	D	
Common Stock	02/27/2023		F		1,654(2)	D	\$152.62	14,315	D	
Common Stock	02/27/2023		M		3,387	A	(1)	17,702	D	
Common Stock	02/27/2023		A		19,049(3)	A	(1)	36,751	D	
Common Stock	02/27/2023		F		9,941(2)	D	\$152.62	26,810	D	
Common Stock	02/27/2023		S(4)		573	D	\$148.05(5)	26,237	D	
Common Stock	02/27/2023		S(4)		200	D	\$149.77(6)	26,037	D	
Common Stock	02/27/2023		S(4)		200	D	\$150.78(7)	25,837	D	
Common Stock	02/27/2023		S(4)		300	D	\$152.15(8)	25,537	D	
Common Stock	02/27/2023		S(4)		1,144	D	\$153.18(9)	24,393	D	
Common Stock	02/27/2023		S(4)		200	D	\$153.58	24,193	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)	02/25/2023		M		3,733		(10)	(10)	Class A Common Stock	3,733	\$0.00	3,734	D	
Restricted Stock Units	(1)	02/27/2023		M		3,387		(10)	(10)	Class A Common Stock	3,387	\$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 Resources, Inc. (the "Company").
- These shares were withheld by the Company to satisfy the reporting person's tax withholding obligations.
- Represents an award of Performance Stock Units originally granted to the reporting person on February 27, 2020. On February 9, 2023, the Issuer's Board of Directors determined that the performance conditions with respect to such award had been satisfied, resulting in the vesting of the shares of Common Stock reported herein.
- 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 reported price in Column 4 is a weighted average sale price. These shares were sold in multiple transactions at prices ranging from \$147.57 to \$148.21 per share. The reporting person undertakes to provide the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- The reported price in Column 4 is a weighted average sale price. These shares were sold in multiple transactions at prices ranging from \$149.36 to \$150.18 per share. The reporting person undertakes to provide the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- The reported price in Column 4 is a weighted average sale price. These shares were sold in multiple transactions at prices ranging from \$150.43 to \$151.12 per share. The reporting person undertakes to provide the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- The reported price in Column 4 is a weighted average sale price. These shares were sold in multiple transactions at prices ranging from \$151.58 to \$152.54 per share. The reporting person undertakes to provide the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.

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9. The reported price in Column 4 is a weighted average sale price. These shares were sold in multiple transactions at prices ranging from \$152.58 to \$153.57 per share. The reporting person undertakes to provide the Issuer, any security holder of the Issuer, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.

10. The restricted stock units are fully vested.

Remarks:

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

02/28/2023

** 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.