

## FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

## OMB APPROVAL

OMB Number: 3235-0287  
Estimated average burden hours  
per response... 0.5

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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).

(Print or Type Responses)

1. Name and Address of Reporting Person <sup>a</sup> Rice Daniel J. IV			2. Issuer Name and Ticker or Trading Symbol Archaea Energy Inc. [LFG]			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)				
(Last) (First) (Middle) 4444 WESTHEIMER ROAD, SUITE G450			3. Date of Earliest Transaction (Month/Day/Year) 05/11/2022							
(Street) HOUSTON, TX 77027			4. If Amendment, Date Original Filed (Month/Day/Year)			6. Individual or Joint/Group Filing (Check Applicable Line) <input type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person				
(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			
Class A Common Stock	05/11/2022		J(1)		2,500	D	\$ 0 (1)	0	I	By Rice Acquisition Sponsor LLC (2)
Class B Common Stock	05/11/2022		J(1)		5,532,287	D	\$ 0 (1)	0	I	By Rice Acquisition Sponsor LLC (2)
Class B Common Stock	05/11/2022		J(3)		5,154	A	\$ 0 (3)	5,154	D	
Class A Common Stock								8,715 (4)	D	
Class B Common Stock								20,010,231	I	By Archaea Energy LLC (5)
Class B Common Stock								5,878,310	I	By Shalennial Fund I, L.P. (5)

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

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 control number.

SEC 1474 (9-02)

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 Underlying Securities (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 of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Class A Units of LFG Acquisition Holdings LLC	(6)	05/11/2022		J(1)			5,532,287	(6)	(6)	Class A Common Stock	5,532,287	\$ 0 (1)	0	I	By Rice Acquisition Sponsor LLC (2)
Class A Units of LFG Acquisition Holdings LLC	(6)	05/11/2022		J(3)			5,154	(6)	(6)	Class A Common Stock	5,154	\$ 0 (3)	5,154	D	
Warrants	\$ 11.5	05/11/2022		J(1)			6,093,900	10/26/2021	09/15/2026	Class A Common Stock	6,093,900	\$ 0 (1)	0	I	By Rice Acquisition Sponsor LLC (2)

Class A Units of LFG Acquisition Holdings LLC	(6)							(6)	(6)	Class A Common Stock	20,010,231		20,010,231	I	By Archaea Energy LLC (5)
Class A Units of LFG Acquisition Holdings LLC	(6)							(6)	(6)	Class A Common Stock	5,878,310		5,878,310	I	By Shalennial Fund I, L.P. (5)

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Rice Daniel J. IV 4444 WESTHEIMER ROAD, SUITE G450 HOUSTON, TX 77027	X	X		

Signatures

/s/ Chad Bellah as Attorney-in-Fact		05/13/2022
Signature of Reporting Person		Date

Explanation of Responses:

- \* 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).
- (1) Represents the pro rata distribution of the securities of the issuer held by Rice Acquisition Sponsor LLC ("Sponsor") to all of its members. Prior to such distribution, and as of the date hereof, no such securities have been disposed of for cash by either Sponsor or its members.
- These securities were previously held by Sponsor. Prior to the distribution of these securities, the reporting person was previously a managing member of Sponsor. As such, the reporting person may have been
- (2) deemed to have beneficial ownership of the securities held of record by Sponsor. The reporting person disclaims and previously disclaimed any beneficial ownership of the securities previously held by Sponsor other than to the extent of any pecuniary interest he may have therein, directly or indirectly.
- (3) Represents receipt of the reporting person's pro rata distribution of the securities of the issuer held by Sponsor.
- (4) Includes 6,838 restricted stock units, which vests in a single installment on January 1, 2023. Each restricted stock unit represents a contingent right to receive one share of the issuer's Class A common stock.
- Archaea Energy LLC is majority-owned and controlled by Shalennial Fund I, L.P. The reporting person is the sole managing member of Rice Investment Group UGP, LLC, which is the general partner of both
- (5) (i) Shalennial GP I, L.P. (the general partner of Shalennial Fund I, L.P.) and (ii) Rice Investment Group, L.P. (the management company for Shalennial Fund I, L.P.). As such, the reporting person may be deemed to have beneficial ownership of the securities held of record by Archaea Energy LLC and the securities held of record by Shalennial Fund I, L.P. The reporting person disclaims any beneficial ownership of the reported securities other than to the extent of any pecuniary interest he may have therein, directly or indirectly.
- (6) The Class A Units of LFG Acquisition Holdings LLC (together with the corresponding shares of the issuer's Class B common stock) are exchangeable into shares of the issuer's Class A common stock on a one-for-one basis and have no expiration date.

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.