

# FORM 4

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

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 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

1. Name and Address of Reporting Person *			2. Issuer Name and Ticker or Trading Symbol			5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
<b>Mears Robert J</b>			<b>Atomera Inc [ ATOM ]</b>			<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) <b>Chief Technology Officer</b>		
(Last) (First) (Middle)			3. Date of Earliest Transaction (MM/DD/YYYY)					
<b>C/O ATOMERA, INC., 750 UNIVERSITY AVENUE, SUITE 280</b>			<b>3/1/2021</b>					
(Street)			4. If Amendment, Date Original Filed (MM/DD/YYYY)			6. Individual or Joint/Group Filing (Check Applicable Line)		
<b>LOS GATOS, CA 95032</b>						<input checked="" 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. Trans. Date	2A. Deemed Execution Date, if any	3. Trans. 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	3/1/2021		S		24170 (2)	D	\$27.77	116124	D	
Common Stock	3/1/2021		S		2315 (1)(2)	D	\$27.67	113809	D	
Common Stock	3/1/2021		M		9551 (3)	A	\$6.60	123360	D	
Common Stock	3/1/2021		S		9551 (2)	D	\$27.61	113809	D	
Common Stock	3/1/2021		M		524 (3)	A	\$5.70	114333	D	
Common Stock	3/1/2021		S		524 (2)	D	\$27.61	113809	D	
Common Stock	3/1/2021		M		6885 (3)	A	\$7.65	120694	D	
Common Stock	3/1/2021		S		6885 (2)	D	\$27.61	113809	D	
Common Stock	3/2/2021		S		2000 (1)(2)	D	\$31.32	111809	D	
Common Stock	3/2/2021		M		10000	A	\$6.60	121809	D	
Common Stock								2666	I	By Spouse

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. 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		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 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				
Stock Options (Right to Buy)	\$5.70	3/1/2021		M		524 (3)		1/19/2016	1/19/2026	Common Stock	524	\$0	0	D	
Stock Options (Right to Buy)	\$6.60	3/1/2021		M		9551 (3)		2/27/2015	2/27/2025	Common Stock	9551	\$0	10000	D	
Stock Options (Right to Buy)	\$7.65	3/1/2021		M		6885 (3)		11/12/2016	10/12/2026	Common Stock	6.885	\$0	18115	D	
Stock Options (Right to Buy)	\$6.60	3/2/2021		M		10000		2/27/2015	2/27/2025	Common Stock	10000	\$0	0	D	

### Explanation of Responses:

- Represents the number of shares sold by the Reporting Person to cover tax withholding obligations in connection with the vesting of restricted stock grants that were previously reported. This sale is to satisfy mandatory non-discretionary tax withholding obligations by a "sell to cover" transaction.
- The sale reported in this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person.
- The option exercise reported in this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person and exercised from a previously reported total.

### Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
<b>Mears Robert J</b> <b>C/O ATOMERA, INC.</b> <b>750 UNIVERSITY AVENUE, SUITE 280</b> <b>LOS GATOS, CA 95032</b>			<b>Chief Technology Officer</b>	

**Signatures**

/s/ Robert J. Mears, by Mindi Zimmer, as Attorney-in-Fact

3/3/2021

—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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