

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

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 to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.

1. Name and Address of Reporting Person *  <u>BRIGHAM BEN M</u>  (Last) (First) (Middle)  <u>5918 W. COURTYARD DRIVE</u> <u>SUITE 500</u>  (Street) <u>AUSTIN TX 78730</u>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Atlas Energy Solutions Inc. [ AESI ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner  <input checked="" type="checkbox"/> Officer (give title below) Other (specify below)  <u>Executive Chairman</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>05/14/2025</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line)  <input checked="" type="checkbox"/> Form filed by One Reporting Person  Form filed by More than One Reporting Person

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	05/14/2025		P		9,635	A	\$13.3769 <sup>(1)</sup>	572,397	D	
Common Stock								10,526,880	I	See footnote <sup>(2)</sup>
Common Stock								1,564,346	I	See footnote <sup>(3)</sup>
Common Stock								2,518,721	I	See footnote <sup>(4)</sup>
Common Stock								54,388	I	See footnote <sup>(5)</sup>

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		Date Exercisable	Expiration Date					

Explanation of Responses:

1. The price reported in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$13.24 to \$13.43, inclusive. The reporting person undertakes to provide to Atlas Energy Solutions Inc., any security holder of Atlas Energy Solutions Inc., or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within this range.
2. Includes 10,526,880 shares of common stock held by Anne and Bud Oil & Gas Vested, LLC ("Anne and Bud Vested") of which Mr. Brigham may be deemed to share the right to direct the voting or disposition of the shares held thereby as the manager of Anne and Bud Vested. Mr. Brigham disclaims beneficial ownership of the shares held by Anne and Bud Vested except to the extent of his pecuniary interest therein, if any.
3. Includes 1,564,346 shares of common stock held by Brigham Children's Family LP ("Brigham Children's LP") of which Mr. Brigham may be deemed to share the right to direct the voting or disposition of the shares held thereby as the co-manager of BCFP GP, LLC, which is the general partner of Brigham Children's LP. Mr. Brigham disclaims beneficial ownership of the shares held by Brigham Children's LP except to the extent of his pecuniary interest therein, if any.
4. Includes 2,518,721 shares of common stock held by Anne and Bud Oil & Gas Unvested, LLC ("Anne and Bud Unvested") of which Mr. Brigham may be deemed to share the right to direct the voting or disposition of the shares held thereby as the manager of Anne and Bud Unvested. Mr. Brigham disclaims beneficial ownership of the shares held by Anne and Bud Unvested except to the extent of his pecuniary interest therein, if any.
5. Includes 54,388 shares of common stock held by Mr. Brigham's spouse as her sole and separate property. Mr. Brigham has no right title interest in, and disclaims all ownership interest in, these shares.

Remarks:

Member of 10% owner group

/s/ Ben M. Brigham, by Dathan C. Voelter as Attorney-in-Fact 05/15/2025

\*\* 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.