

6-K UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 FORM 6-K REPORT OFFOREIGN ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER SECURITIES EXCHANGE ACT OF 1934 For the month of January 2025 Commission File No. 001-39000 Vista Energy, S.A.B. de C.V. (Exact Name of the Registrant as Specified in the Charter) N.A. (Translation ofRegistrant's Name into English) Pedregal 24, Floor 4, Colonia Molino del Rey, Alcaldía Miguel Hidalgo Mexico City, 11040 Mexico (Address ofPrincipal Executive Office) Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F. Form 20-F Form 40-F Indicate by check mark if the registrant is submitting the Form6-K in paper as permitted by Regulation S-T Rule 101(b)(1): Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): Indicate by check mark whether the registrant by furnishing the information containedin this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934: Yes No If Yes is marked, indicate below the file number assigned to the registrant in connection with Rule12g3-2(b): Not applicable. Contents of this Form 6-KThis Form 6-K for Vista Energy, S.A.B. de C.V. (Vista or the Company) contains the followingexhibit: Exhibit1: Call for an Ordinary General Shareholders' meeting to be held at 10:00 am (MexicoCity time) on March 3, 2025. Exhibit2: Information addressed to the shareholders of Vista related to the Ordinary General Shareholders' meeting to be held on March 3, 2025. Forward-Looking Statements Any statements contained herein or in the attachments hereto regarding Vista that are not historical or current facts are forward-looking statements. Theseforward-looking statements convey Vista's current expectations or forecasts of future events. Forward-looking statements regarding Vista involve known and unknown risks, uncertainties and other factors that may cause Vista's actualresults, performance or achievements to be materially different from any future results, performances or achievements expressed or implied by the forward-looking statements. Certain of these risks and uncertainties are described in the RiskFactors, Forward-Looking Statements and other applicable sections of Vista's annual report filed with the United States Securities and Exchange Commission (SEC) on Form 20-Fand other applicable filings with the SEC and Vista's latest annual report available on the Mexican Stock Exchange's (Bolsa Mexicana de Valores, S.A.B. de C.V.) website: www.bmv.com.mx, the Mexican National Banking and SecuritiesCommission (Comisi3n Nacional Bancaria y de Valores) website: www.gob.mx/cnbv and our website: www.vistaenergy.com. Enquiries: Investor Relations: ir@vistaenergy.com Argentina: +54 11 3754 8500 Mexico: +52 55 8647 0128 SIGNATURE Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf bythe undersigned, thereunto duly authorized. Date: January 21, 2025 VISTA ENERGY, S.A.B. DE C.V. By: /s/ Alejandro Cheracov Name: Alejandro Cheracov Title: Strategic Planning and Investor Relations Officer EX-1 Exhibit 1 CALL FOR AN ORDINARY GENERAL SHAREHOLDER'S MEETING VISTA ENERGY, S.A.B. DE C.V. Asprovided by Articles 47 and 55 Bis of the Securities Market Law (Ley de Mercado de Valores; LMV) and by article 183 of the General Law of Commercial Companies (Ley General de SociedadesMercantiles; LGSM) and by articles Eleven, Eighteen, and Twenty of the current by-laws of Vista Energy, S.A.B. de C.V. (the Company), the shareholders ofthe Company (the Shareholders) are hereby called to an ORDINARY GENERAL SHAREHOLDER'S MEETING, to be held at 10:00 a.m. (Mexico City time) on March 3, 2025, in Mexico City, United Mexican States(Mexico), corporate domicile of the Company, in the meeting room located at Torre Virreyes, Pedregal No. 24, 24th Floor, Colonia Molino del Rey, Zip Code 11040, MiguelHidalgo (the Ordinary General Meeting), in order to discuss the following: AGENDA OF THE ORDINARY GENERAL MEETING I. Proposal, discussion, and, if applicable, approval for the Company to carry out, directly or indirectly,one or more acquisitions of exploration and/or exploitation rights, interests in concessions, licenses, and agreements for the development of unconventional hydrocarbon reserves and resources and/or any other asset related to the development ofunconventional hydrocarbon reserves and resources located in basins where the Company operates, including the acquisition and/or participation in entities holding such assets (any of these, a Potential Acquisition), whose totalamount represents more than 20% of the value of the Company's consolidated assets (based on figures as of the end of the last quarter reported at the time of executing the first of such Possible Acquisitions or of executing the PotentialAcquisition, if only one is executed), in the understanding that if the Potential Acquisition (or Potential Acquisitions, as a whole) represents an equal or lower percentage, it (or they) will not be subject to the present approval; and it isfurther understood that the total amount of the Potential Acquisition or Potential Acquisitions may not exceed, in the aggregate and within a period of 12 months from the date of the Ordinary General Meeting, 50% of the value of the consolidatedassets of the Company (based on figures as of the end of the last quarter reported at the time of executing the first of such Potential Acquisition or of executing the Potential Acquisition, if only one is executed); associated resolutions. II. Proposal, discussion, and, if applicable, approval for the Company to incur any type of financing debtto pay in full or in part for the Potential Acquisition or Potential Acquisitions; associated resolutions. III. Proposal, discussion and, if applicable, approval to carry out one or several increases of the variableportion of the capital stock of the Company and the consequent issuance of Series A shares (which may be represented by ADSs) to pay in whole or in part the Potential Acquisition or Potential Acquisitions, as well as the delegation to the Board ofDirectors of the Company the ability to determine the terms of the issuance and subscription of the respective Series A shares for such purposes, in the understanding that the preferential subscription right will be excluded in connection with theissuance of such Series A shares and that the issuance of such Series A shares, as a whole, may not exceed the number of shares representing 15% of the Series A shares representative of the capital stock outstanding of the Company before carryingout the first capital increase (or the capital increase, in case only one capital increase is carried out) to pay the first of the Potential Acquisitions (or the Potential Acquisition, if only one is executed). IV. Appointment of delegates to comply with and, as appropriate, formalize the resolutions adopted at theOrdinary General Meeting; associated resolutions. We remind the Shareholders that in order to be admitted in the Ordinary GeneralMeeting, they are required to provide a deposit certificate (constancia de dep3sito) issued by the S.D. Indeval, Instituci3n para el Dep3sito de Valores, S.A. de C.V., together with, if applicable, the supplementary listreferred to in the LMV, no later than three business days prior to the date of the Ordinary General Meeting hereby called, at the aforementioned address in the first paragraph of this call, between 9:00 a.m. to 2:00 p.m. (Mexico City time) and 4:30 p.m. to 7:00 p.m. (Mexico City time), fromMonday to Friday, during business days. Upon delivery of such deposit certificates (constancias de dep3sito) by the Shareholders, entry passes will be issued without which such Shareholders will not be allowed to participate in theOrdinary General Meeting. Shareholders can attend the Ordinary General Meeting personally or represented by an attorney-in-fact appointed by means of a power of attorneygranted in terms of the templates provided by the Company pursuant to Article 49, section

III of the LMV or by means of a proxy or power of attorney granted in accordance with civil law and also pursuant to the provisions set forth in article 192 of the LGSM. The template of power of attorney and other documents related to the Ordinary General Meeting are available to Shareholders for consultation in the address set forth in the first paragraph of this call as well as on the website of the Company: [www.vistaenergy.com/investors](http://www.vistaenergy.com/investors) Mexico City, Mexico as of January 21, 2025 By: Miguel Matías Galuccio Name: Miguel Matías Galuccio Title: Chairman of the Board of Directors of Vista Energy, S.A.B. de C.V. 2 EX-2 Exhibit 2 INFORMATION DIRECTED TO THE SHAREHOLDERS OF VISTA ENERGY, S.A.B. DE C.V. RELATED TO THE ORDINARY GENERAL SHAREHOLDERS' MEETING TO BE HELD ON MARCH 3, 2025 In relation to items I and II of the agenda of the ordinary general shareholders' meeting of Vista Energy, S.A.B. de C.V. (the "Company" or "Vista"), to be held at 10:00 hours on March 3, 2025 (the "Shareholders' Meeting") in terms of the call published on January 21, 2025 on the website of the Bolsa Mexicana de Valores, S.A.B. de C.V. and in the Electronic System of the Ministry of Economy, and in compliance with the provisions of Articles Eighteenth and Twentieth of the Company's bylaws and Article 47 of the Securities Market Law (Ley del Mercado de Valores), Vista informs its shareholders of the following:

Item I of the Agenda: To act quickly and effectively in the face of potential business opportunities in line with our growth strategy, it is necessary to have the necessary tools to structure and execute acquisitions of rights and assets related to the development of non-conventional hydrocarbon reserves and resources in the basins where Vista operates. The above considering that the acquisition processes of these rights and assets are extremely competitive, which requires us to act quickly to avoid disadvantages and ensure that we do not lose valuable opportunities to other participants in the process. Therefore, the shareholders of the Company will be asked to adopt the following resolutions in relation to the first item of the agenda of the Shareholders' Meeting:

1. It is hereby approved that the Company may carry out, directly or indirectly, one or more acquisitions of exploration and/or exploitation rights, interests in concessions, licenses, and agreements for the development of unconventional hydrocarbon reserves and resources and/or any other asset related to the development of unconventional hydrocarbon reserves and resources located in basins where the Company operates, including the acquisition and/or participation in entities holding such assets (any of these, a "Potential Acquisition"), provided that the total amount of any of these represents more than 20% of the value of the Company's consolidated assets (based on figures as of the end of the last quarter reported at the time of executing the first of such Possible Acquisitions or of executing the Potential Acquisition, if only one is executed), in the understanding that if the Potential Acquisition (or Potential Acquisitions, as a whole) represents an equal or lower percentage, it (or they) will not be subject to the present approval; and it is further understood that the total amount of the Potential Acquisition or Potential Acquisitions may not exceed, in the aggregate and within a period of 12 months from the date of this Ordinary General Meeting, 50% of the value of the consolidated assets of the Company (based on figures as of the end of the last quarter reported at the time of executing the first of such Potential Acquisition or of executing the Potential Acquisition, if only one is executed).

2. In relation to the above point, it is hereby approved to delegate to the Board of Directors of the Company the authority to determine all the final terms, conditions, and characteristics to which the Potential Acquisition, or Potential Acquisitions, will be subject, which must adhere to the usual market terms for operations of this type. The Board of Directors may, for this purpose, designate and grant the necessary powers to the persons it deems appropriate, so that in the name and on behalf of the Company, they carry out all acts, whether factual or legal, related to the Potential Acquisition, or Potential Acquisitions, including, without limitation, entering into and signing any agreement, contract, document, instrument, certificate, titles, letters, memorandums, certifications derived from or related to the Potential Acquisition, or Potential Acquisitions.

3. All contracts, agreements, titles, bids, letters, memorandums, certifications, and other documents entered into, signed, or issued by the Company in relation to the Potential Acquisition, or Potential Acquisitions, approved in accordance with the first resolution are hereby ratified in their terms.

Item II of the Agenda: To ensure that Vista has the necessary resources, in the form of financial debt, to carry out the Potential Acquisition, or Potential Acquisitions, in accordance with the above, the shareholders of the Company will be asked to adopt the following resolution in relation to the second item of the agenda of the Shareholders' Meeting:

1. It is approved that the Company and/or any of its direct and indirect subsidiaries, regardless of their place of incorporation, enter into one or more credit agreements, with or without security (which may be real, personal, or of any other type permitted by applicable law) whose main purpose is the total or partial payment of the Potential Acquisition, or Potential Acquisitions, approved in accordance with the first item of the agenda of this Meeting, the payment of expenses and costs associated with the Potential Acquisition, or Potential Acquisitions, and to finance working capital and other general corporate purposes; as well as to delegate to the Board of Directors the authority to determine all the terms, conditions, and other characteristics to which the financing(s) will be subject. The Board of Directors may, for this purpose: (i) designate the special attorneys-in-fact necessary for the negotiation and signing of credit agreements, promissory notes, fee letters, documents evidencing the creation of any type of security (real, personal, or of any other type permitted by applicable law), including without limitation pledges, mortgages, security agreements, guarantees, joint obligations, guarantees, endorsements, as well as any trust agreement, governed by the law of any jurisdiction, including, without limitation, guarantee trust agreements where the Company and/or any of its direct and indirect subsidiaries, regardless of their place of incorporation, acts as a trustor and/or trustee, under which the Company and/or any of its subsidiaries, encumber assets as security and/or transfer the ownership of any asset, right, or asset to the trust estate of such guarantee trust agreements; (ii) hire a process agent with domicile in the United States of America, if necessary, approving for this purpose the granting of a special irrevocable power of attorney with litigation and collection faculties, in terms of the first paragraph of Article 2,554 of the Civil Code for the Federal District and its correlatives and concordant articles in the Federal Civil Code and in the Civil Codes of the other Federal Entities of the United Mexican States but with all general faculties and as broad as required by law, to be exercised in any jurisdiction by any of its attorneys-in-fact who have the necessary faculties for this purpose, and so that, in the name and on behalf of the Company and/or any of its direct and indirect subsidiaries, regardless of their place of incorporation, act as process agent, as well as to receive all kinds of notifications, notices, summons, resolutions, judgments, or communications of any nature in relation to any lawsuit, action, proceeding, or trial, including, without limitation, judicial, administrative, or arbitration proceedings, brought before any court in the United States of America; and (iii) enter into or sign any other agreement, contract, title, document, instrument, certificate, notification, notice, requirement, endorsement, or request of any nature, amendments, supplements, additions, modifying agreements, restatements, or terminations that are necessary or convenient.

Item III of the Agenda: In order for Vista to have the necessary resources, through one or more increases in the variable portion of the Company's capital stock, to be able to carry out the Potential Acquisition, or Potential Acquisitions, in accordance

with the above, the Company's shareholders will be asked to adopt the following resolution in connection with item III of the agenda of the Shareholders' Meeting: 1. It is approved that the Company carry out one or several increases of the variable portion of the capital stock of the Company and the consequent issuance of Series A shares (which may be represented by ADSs) to pay in whole or in part any Potential Acquisition, as well as the delegation to the Board of Directors of the Company the ability to determine the terms of the issuance and subscription of the respective Series A shares for such purposes, as well as to define the payment method of any Potential Acquisition, whether in cash, shares or any other means; in the understanding that the preferential subscription right will be excluded in connection with the issuance of such Series A shares and that the issuance of such Series A shares may not exceed, with respect to each capital increase, the number of shares representing 15% of the Series A shares representative of the capital stock outstanding of the Company at the time of each capital increase. 2. With respect to the increase or increases of the variable portion of the capital stock of the Company, it is approved that any Series A shares held in the Company's treasury account can be used and put into circulation, including without limitation those Series A shares held in the treasury account that were intended to be used to cover the exercise by the holders of the warrants identified with ticker symbol "VTW408A-EC001" issued by the Company, which were already exercised and cancelled in their entirety.