

# SECURITIES AND EXCHANGE COMMISSION

## Washington, D.C. 20549

UNDER THE SECURITIES EXCHANGE ACT OF 1934

ASP Isotopes Inc.

(Name of Issuer)

Common Stock, par value \$0.01

(Title of Class of Securities)

00218A105

(CUSIP Number)

01/16/2026

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- ☐ Rule 13d-1(b)
- ☒ Rule 13d-1(c)
- ☐ Rule 13d-1(d)

### SCHEDULE 13G

CUSIP No. 00218A105

1	<b>Names of Reporting Persons</b> Encompass Capital Advisors LLC
2	<b>Check the appropriate box if a member of a Group (see instructions)</b> <input type="checkbox"/> (a) <input checked="" type="checkbox"/> (b)
3	<b>Sec Use Only</b>
4	<b>Citizenship or Place of Organization</b> DELAWARE

Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 0.00
	6	Shared Voting Power 6,413,362.00
	7	Sole Dispositive Power 0.00
	8	Shared Dispositive Power 6,413,362.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person 6,413,362.00	
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) <input type="checkbox"/>	
11	Percent of class represented by amount in row (9) 5.13 %	
12	Type of Reporting Person (See Instructions) IA	

### SCHEDULE 13G

CUSIP No.	00218A105
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1	Names of Reporting Persons Todd J. Kantor	
2	Check the appropriate box if a member of a Group (see instructions) <input type="checkbox"/> (a) <input checked="" type="checkbox"/> (b)	
3	Sec Use Only	
4	Citizenship or Place of Organization UNITED STATES	
Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 0.00
	6	Shared Voting Power 6,413,362.00
	7	Sole Dispositive Power 0.00
	8	Shared Dispositive Power 6,413,362.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person 6,413,362.00	
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) <input type="checkbox"/>	

11	Percent of class represented by amount in row (9) 5.13 %
12	Type of Reporting Person (See Instructions) HC, IN

## SCHEDULE 13G

### Item 1.

- (a) **Name of issuer:**  
ASP Isotopes Inc.
- (b) **Address of issuer's principal executive offices:**  
2200 ROSS AVENUE, SUITE 4575E, DALLAS, TX, 75201

### Item 2.

- (a) **Name of person filing:**  
Encompass Capital Advisors LLC  
Todd J. Kantor
- (b) **Address or principal business office or, if none, residence:**  
Encompass Capital Advisors LLC: 200 Park Avenue, Suite 1604, New York, NY 10166  
Todd J. Kantor: c/o Encompass Capital Advisors LLC, 200 Park Avenue, Suite 1604, New York, NY 10166
- (c) **Citizenship:**  
Encompass Capital Advisors LLC is a Delaware Limited Liability Company  
Todd J. Kantor is a US citizen
- (d) **Title of class of securities:**  
Common Stock, par value \$0.01
- (e) **CUSIP No.:**  
00218A105

### Item 3. If this statement is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

- (a) ☐ Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);
- (b) ☐ Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);
- (c) ☐ Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);
- (d) ☐ Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);
- (e) ☐ An investment adviser in accordance with § 240.13d-1(b)(1)(ii)(E);
- (f) ☐ An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);
- (g) ☐ A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);
- (h) ☐ A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i) ☐ A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j) ☐ A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J). If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution:
- (k) ☐ Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K).

### Item 4. Ownership

(a) **Amount beneficially owned:**

Encompass Capital Advisors LLC  
6,413,362

Todd J. Kantor  
6,413,362

(b) **Percent of class:**

Encompass Capital Advisors LLC  
5.13%

Todd J. Kantor  
5.13% %

(c) **Number of shares as to which the person has:**

(i) **Sole power to vote or to direct the vote:**

Encompass Capital Advisors LLC  
0

Todd J. Kantor  
0

(ii) **Shared power to vote or to direct the vote:**

Encompass Capital Advisors LLC  
6,413,362

Todd J. Kantor  
6,413,362

(iii) **Sole power to dispose or to direct the disposition of:**

Encompass Capital Advisors LLC  
0

Todd J. Kantor  
0

(iv) **Shared power to dispose or to direct the disposition of:**

Encompass Capital Advisors LLC  
6,413,362

Todd J. Kantor  
6,413,362

**Item 5. Ownership of 5 Percent or Less of a Class.**

**Item 6. Ownership of more than 5 Percent on Behalf of Another Person.**

Not Applicable

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.**

Not Applicable

**Item 8. Identification and Classification of Members of the Group.**

Not Applicable

**Item 9. Notice of Dissolution of Group.**

Not Applicable

**Item 10. Certifications:**

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under ?? 240.14a-11.

**SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

## Encompass Capital Advisors LLC

**Signature:** Todd J. Kantor

**Name/Title:** Todd J. Kantor | Managing Member

**Date:** 01/23/2026

Todd J. Kantor

**Signature:** Todd J. Kantor

**Name/Title:** Todd J. Kantor

**Date:** 01/23/2026

### Exhibit Information

#### JOINT FILING AGREEMENT

The undersigned hereby agree that the statement on SCHEDULE 13G with respect to the shares of Common Stock of ASP Isotopes Inc., dated as of January 23, 2026 is, and any amendments thereto signed by each of the undersigned shall be, filed on behalf of each of us pursuant to and in accordance with the provisions of Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended.

Date: January 23, 2026

Encompass Capital Advisors LLC

By: Todd J. Kantor

Name: Todd J. Kantor

Title: Managing Member

Todd J. Kantor

By: Todd J. Kantor

Name: Todd J. Kantor