
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13D

Under the Securities Exchange Act of 1934

(Amendment No. 6)*

HighPeak Energy, Inc.

(Name of Issuer)

Common Stock, par value \$0.0001 per share

(Title of Class of Securities)

43114Q105

(CUSIP Number)

Daniel Silver
421 W. 3rd Street, Suite 1000
Fort Worth, TX, 75102
817-850-9200

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

09/15/2025

(Date of Event Which Requires Filing of This Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

SCHEDULE 13D

CUSIP No. 43114Q105

Name of reporting person

1

HighPeak Energy Partners, LP

2

Check the appropriate box if a member of a Group (See Instructions)

(a)
 (b)

3 SEC use only
Source of funds (See Instructions)

4 OO
Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5
Citizenship or place of organization

6 DELAWARE
Sole Voting Power

7 0.00
Number of Shares Beneficially Owned by Each Reporting Person With:

8 Shared Voting Power
44,498,461.00

9 Sole Dispositive Power
0.00

10 Shared Dispositive Power
44,498,461.00
Aggregate amount beneficially owned by each reporting person

11 44,498,461.00
Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12
Percent of class represented by amount in Row (11)

13 35.3 %
Type of Reporting Person (See Instructions)

14 PN

SCHEDULE 13D

CUSIP No. 43114Q105

1 Name of reporting person
HighPeak Energy, LP
Check the appropriate box if a member of a Group (See Instructions)

2 (a)
 (b)

3 SEC use only
Source of funds (See Instructions)

4 OO
Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5
Citizenship or place of organization

6 DELAWARE

Number of 7 Sole Voting Power

Shares	
Beneficially	0.00
Owned by	Shared Voting Power
Each	8
Reporting	39,642,461.00
Person	Sole Dispositive Power
With:	9
	0.00
	Shared Dispositive Power
	10
	39,642,461.00
	Aggregate amount beneficially owned by each reporting person
11	39,642,461.00
	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)
12	<input type="checkbox"/>
	Percent of class represented by amount in Row (11)
13	31.4 %
	Type of Reporting Person (See Instructions)
14	PN

SCHEDULE 13D

CUSIP No. 43114Q105

1	Name of reporting person
	HighPeak Energy II, LP
	Check the appropriate box if a member of a Group (See Instructions)
2	<input type="checkbox"/> (a)
	<input checked="" type="checkbox"/> (b)
3	SEC use only
4	Source of funds (See Instructions)
	OO
5	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)
	<input type="checkbox"/>
6	Citizenship or place of organization
	DELAWARE
	Sole Voting Power
7	0.00
Number of	Shared Voting Power
Shares	8
Beneficially	36,740,593.00
Owned by	Sole Dispositive Power
Each	9
Reporting	0.00
Person	Shared Dispositive Power
With:	10
	36,740,593.00
11	Aggregate amount beneficially owned by each reporting person

36,740,593.00

Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12

Percent of class represented by amount in Row (11)

13

29.1 %

Type of Reporting Person (See Instructions)

14

PN

SCHEDULE 13D

CUSIP No. 43114Q105

Name of reporting person

1

HighPeak Pure Acquisition, LLC

Check the appropriate box if a member of a Group (See Instructions)

2

(a)

(b)

3

SEC use only

Source of funds (See Instructions)

4

OO

Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5

Citizenship or place of organization

6

DELAWARE

Sole Voting Power

7

0.00

Number of
Shares

Shared Voting Power

Beneficially 8

Owned by

4,856,000.00

Each

Sole Dispositive Power

Reporting 9

Person

0.00

With:

Shared Dispositive Power

10

4,856,000.00

Aggregate amount beneficially owned by each reporting person

11

4,856,000.00

Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12

Percent of class represented by amount in Row (11)

13

3.8 %

Type of Reporting Person (See Instructions)

14

OO

SCHEDULE 13D

CUSIP No. 43114Q105

1 Name of reporting person
HighPeak Energy Partners GP, LP
Check the appropriate box if a member of a Group (See Instructions)

2 (a)
 (b)

3 SEC use only
Source of funds (See Instructions)

4 OO
Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5
Citizenship or place of organization

6 DELAWARE

7 Sole Voting Power
0.00

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person
With:

8 Shared Voting Power
44,498,461.00

9 Sole Dispositive Power
0.00

10 Shared Dispositive Power
44,498,461.00

11 Aggregate amount beneficially owned by each reporting person
44,498,461.00
Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12
Percent of class represented by amount in Row (11)

13 35.3 %
Type of Reporting Person (See Instructions)

14 PN

SCHEDULE 13D

CUSIP No. 43114Q105

1 Name of reporting person
HighPeak GP, LLC
Check the appropriate box if a member of a Group (See Instructions)

2 (a)
 (b)

3 SEC use only
Source of funds (See Instructions)

4
OO
Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5

Citizenship or place of organization

6
DELAWARE
Sole Voting Power

7
0.00
Number of Shares Beneficially Owned by Each Reporting Person With:
Shared Voting Power

8
44,498,461.00
Sole Dispositive Power

9
0.00
Shared Dispositive Power

10
44,498,461.00
Aggregate amount beneficially owned by each reporting person

11
44,498,461.00
Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12

Percent of class represented by amount in Row (11)

13
35.3 %
Type of Reporting Person (See Instructions)

14
OO

SCHEDULE 13D

CUSIP No. 43114Q105

1
Name of reporting person
HighPeak Energy GP II, LLC
Check the appropriate box if a member of a Group (See Instructions)

2
 (a)
 (b)

3
SEC use only
Source of funds (See Instructions)

4
OO
Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5

Citizenship or place of organization

6
DELAWARE
Sole Voting Power

7
0.00
Number of Shares Beneficially

Owned by Each Reporting Person With:	8	Shared Voting Power
		36,740,593.00
		Sole Dispositive Power
	9	0.00
		Shared Dispositive Power
	10	36,740,593.00
		Aggregate amount beneficially owned by each reporting person
11		36,740,593.00
		Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)
12		<input type="checkbox"/>
		Percent of class represented by amount in Row (11)
13		29.1 %
		Type of Reporting Person (See Instructions)
14		OO

SCHEDULE 13D

CUSIP No. 43114Q105

1	Name of reporting person
	HighPeak Energy Partners II, LP
	Check the appropriate box if a member of a Group (See Instructions)
2	<input type="checkbox"/> (a)
	<input checked="" type="checkbox"/> (b)
3	SEC use only
	Source of funds (See Instructions)
4	OO
	Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)
5	<input type="checkbox"/>
	Citizenship or place of organization
6	DELAWARE
	Sole Voting Power
	7
	0.00
	Shared Voting Power
Number of Shares Beneficially Owned by Each Reporting Person With:	8
	36,740,593.00
	Sole Dispositive Power
	9
	0.00
	Shared Dispositive Power
	10
	36,740,593.00
	Aggregate amount beneficially owned by each reporting person
11	36,740,593.00
	Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)
12	

Percent of class represented by amount in Row (11)
13 29.1 %
14 Type of Reporting Person (See Instructions)
PN

SCHEDULE 13D

CUSIP No. 43114Q105

1 Name of reporting person
HighPeak GP II, LLC
Check the appropriate box if a member of a Group (See Instructions)

2 (a)
 (b)

3 SEC use only
Source of funds (See Instructions)

4 OO
Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5
Citizenship or place of organization

6 DELAWARE

7 Sole Voting Power
0.00
Number of Shares Beneficially Owned by Each Reporting Person With:
8 Shared Voting Power
36,740,593.00
9 Sole Dispositive Power
0.00
10 Shared Dispositive Power
36,740,593.00

11 Aggregate amount beneficially owned by each reporting person
36,740,593.00
Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12
Percent of class represented by amount in Row (11)

13 29.1 %
14 Type of Reporting Person (See Instructions)
OO

SCHEDULE 13D

1 Name of reporting person
HighPeak Energy Partners GP II, LP
Check the appropriate box if a member of a Group (See Instructions)

2 (a)
 (b)

3 SEC use only
Source of funds (See Instructions)

4 OO
Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5
Citizenship or place of organization

6 DELAWARE
Sole Voting Power

7 0.00
Number of Shares Beneficially Owned by Each Reporting Person With:

8 Shared Voting Power
36,740,593.00
Sole Dispositive Power

9 0.00
Shared Dispositive Power

10 36,740,593.00
Aggregate amount beneficially owned by each reporting person

11 36,740,593.00
Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12
Percent of class represented by amount in Row (11)

13 29.1 %
Type of Reporting Person (See Instructions)

14 PN

SCHEDULE 13D

1 Name of reporting person
HIGHTOWER JACK
Check the appropriate box if a member of a Group (See Instructions)

2 (a)
 (b)

3 SEC use only
Source of funds (See Instructions)

4

OO

Check if disclosure of legal proceedings is required pursuant to Items 2(d) or 2(e)

5



Citizenship or place of organization

6

UNITED STATES

Sole Voting Power

7

0.00

Number of
Shares

Shared Voting Power

Beneficially 8

Owned by

0.00

Each

Sole Dispositive Power

Reporting 9

Person

0.00

With:

Shared Dispositive Power

10

0.00

Aggregate amount beneficially owned by each reporting person

11

0.00

Check if the aggregate amount in Row (11) excludes certain shares (See Instructions)

12



Percent of class represented by amount in Row (11)

13

0.0 %

Type of Reporting Person (See Instructions)

14

IN

SCHEDULE 13D

Item 1. Security and Issuer

Title of Class of Securities:

(a)

Common Stock, par value \$0.0001 per share

Name of Issuer:

(b)

HighPeak Energy, Inc.

Address of Issuer's Principal Executive Offices:

(c)

421 W. 3RD STREET, SUITE 1000, FORT WORTH, TEXAS , 76102.

Item 1 This Amendment No. 6 (this "Amendment") supplements the information set forth in the Schedule 13D dated August 31, 2020, filed by the Filing Parties on August 31, 2020, as amended and supplemented from time to time (the "Schedule 13D"), with respect to the Common Stock of the Company. The Schedule 13D is no longer a joint filing with Mr. Jack Hightower and is being filed solely by the parties identified herein. Capitalized terms used but not defined in this Amendment shall have the meanings set forth on the Schedule 13D. Except as amended and supplemented by this Amendment, the Schedule 13D remains unchanged.

Item 2. Identity and Background

(a)

This Schedule 13D is filed by HighPeak Energy, LP, a Delaware limited partnership ("HP I"), HighPeak Energy II, LP, a Delaware limited partnership ("HP II"), HighPeak Pure Acquisition, LLC, a Delaware limited liability company ("Sponsor"), HighPeak Energy Partners, LP, a Delaware limited partnership ("HPEP I"), HighPeak Energy Partners II, LP, a Delaware limited partnership ("HPEP I"), HighPeak Energy GP, LLC, a Delaware limited liability company ("HPE GP I"), HighPeak Energy GP II, LLC, a Delaware limited liability company ("HPE GP II"), HighPeak Energy Partners GP, LP, a Delaware limited partnership ("HPEP GP I"), HighPeak Energy Partners GP II, LP, a Delaware limited partnership ("HPEP GP II"), HighPeak GP, LLC, a Delaware limited liability company ("HP GP I") and HighPeak GP II, LLC, a Delaware limited liability company ("HP GP II" and, together with the foregoing entities, the

"Filing Parties") pursuant to their agreement to the joint filing of this Schedule 13D attached hereto as Exhibit A. The general partner of HP I is HPE GP I. The sole member of HPE GP I is HPEP I, whose general partner is HPEP GP I. The general partner of HPEP GP I is HP GP I. A Majority of the Members and John Paul Dejoria Family Trust ("JDPFT") has the right to appoint all managers to the board of managers of HP GP I. The general partner of HP II is HPE GP II. The sole member of HPE GP II is HPEP II. The general partner of HPEP II is HPEP GP II. The general partner of HPEP GP II is HP GP II. A Majority of the Members and JPDFT have the right to appoint all managers to the board of managers of HP GP II. On September 15, 2025, Mr. Hightower retired from managing the Filing Parties which collectively own approximately 64.4% of the shares of common stock of the Company. Following Mr. Hightower's retirement, the Filing Parties are managed by a three-member committee composed of Messrs. Michael Hollis, Daniel Silver and Ryan Hightower. Each member has one vote, and the approval of a majority of the members is required to approve an action of the Filing Parties. Under the so-called "rule of three," if voting and dispositive decisions regarding an entity's securities are made by three or more individuals, and a voting and dispositive decision requires the approval of a majority of those individuals, then none of the individuals is deemed a beneficial owner of the entity's securities.

- (b) The principal business address of Filing Parties is 421 W. 3rd Street, Suite 1000, Fort Worth, Texas 76102.
- (c) The principal business of the Filing Parties is to acquire, operate and manage assets on behalf of qualified purchasers.
- (d) During the last five years, none of the Filing Parties or any of their respective executive officers or managers has been convicted in a criminal proceeding (excluding traffic violations or similar misdemeanors).
During the last five years, none of the Filing Parties or any of their respective executive officers or managers was a party to a civil proceeding of a judicial or administrative body of competent jurisdiction and, as a result of such proceeding, was or is subject to a judgment, decree, or final order enjoining future violations of, or prohibiting or mandating activities subject to, federal or state securities laws or finding any violation with respect to such laws.
- (e)
- (f) The information from the response in subpart (a) of this section is incorporated by reference herein.

Item 5. Interest in Securities of the Issuer

- (a) The information contained in rows 7, 8, 9, 10, 11 and 13 on the cover page of Schedule 13D is incorporated by reference herein. If the Filing Parties named in Item 2 are deemed to be a group, such group would beneficially own 81,239,054 shares of Common Stock
- (b) The information contained in rows 7, 8, 9, 10, 11 and 13 on the cover page of this Schedule 13D is incorporated by reference herein.
- (c) The responses to Item 3 and 4 of this Schedule 13D are incorporated by reference herein. Except as disclosed herein, the Filing Parties have not effected any transactions in Common Stock during the past 60 days.
- (d) Not applicable.
- (e) Mr. Hightower ceased to be the beneficial owner of more than five percent of the Common Stock on September 15, 2025.

Item 7. Material to be Filed as Exhibits.

99.1 Agreement Regarding the Joint Filing of Schedule 13D by and among the Filing Parties.

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.

HighPeak Energy Partners, LP

Signature: /s/ Daniel Silver
Name/Title: Daniel Silver/Manager HighPeak Energy GP,
LLC, its General Partner
Date: 09/17/2025

HighPeak Energy, LP

Signature: /s/ Daniel Silver
Name/Title: Daniel Silver/Manager HighPeak Energy Partners
GP, LP, its General Partner
Date: 09/17/2025

HighPeak Energy II, LP

Signature: /s/ Daniel Silver
Name/Title: Daniel Silver/Manager HighPeak Energy Partners
GP II, LP, its General Partner
Date: 09/17/2025

HighPeak Pure Acquisition, LLC

Signature: /s/ Daniel Silver

Name/Title: Daniel Silver/Manager HighPeak Energy Partners,
LP, its Sole Member

Date: 09/17/2025

HighPeak Energy Partners GP, LP

Signature: /s/ Daniel Silver

Name/Title: Daniel Silver/Manager HighPeak GP, LLC, its
General Partner

Date: 09/17/2025

HighPeak GP, LLC

Signature: /s/ Daniel Silver

Name/Title: Daniel Silver/Manager

Date: 09/17/2025

HighPeak Energy GP II, LLC

Signature: /s/ Daniel Silver

Name/Title: Daniel Silver/Manager HighPeak Energy Partners
II, LP, its Sole Member

Date: 09/17/2025

HighPeak Energy Partners II, LP

Signature: /s/ Daniel Silver

Name/Title: Daniel Silver/Manager HighPeak Energy GP II,
LLC, its General Partner

Date: 09/17/2025

HighPeak GP II, LLC

Signature: /s/ Daniel Silver

Name/Title: Daniel Silver/Manager

Date: 09/17/2025

HighPeak Energy Partners GP II, LP

Signature: /s/ Daniel Silver

Name/Title: Daniel Silver/Manager HighPeak GP II, LLC, its
General Partner

Date: 09/17/2025

HIGHTOWER JACK

Signature: /s/ Jack Hightower

Name/Title: Jack Hightower/Self

Date: 09/17/2025

AGREEMENT

In accordance with Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, as amended, the persons named below agree to the joint filing on behalf of each of them of Schedule 13D (including additional amendments thereto) with respect to the Common Stock, par value \$0.0001 per share, of HighPeak Energy, Inc. This Joint Filing Agreement shall be filed as an Exhibit to such Statement. The undersigned acknowledge that each shall be responsible for the timely filing of any amendments to such joint filing and for the completeness and accuracy of the information concerning him or it contained herein and therein, but shall not be responsible for the completeness and accuracy of the information concerning the others.

Dated: September 17, 2025

HighPeak Energy Partners, LP

Signature: /s/ Daniel Silver

Name/Title: Daniel Silver/Manager

HighPeak Energy Partners GP, LP, its General Partner

HighPeak Energy Partners II, LP

Signature: /s/ Daniel Silver

Name/Title: Daniel Silver/Manager

HighPeak Energy Partners GP II, LP, its General Partner

HighPeak Pure Acquisition, LLC

Signature: /s/ Daniel Silver

Name/Title: Daniel Silver/Manager

HighPeak Energy Partners, LP, its Sole Member

HighPeak Energy Partners, LP

Signature: /s/ Daniel Silver

Name/Title: Daniel Silver/Manager

HighPeak Energy GP, LLC, its General Partner

HighPeak Energy Partners GP, LP

Signature: /s/ Daniel Silver

Name/Title: Daniel Silver/Manager

HighPeak GP, LLC, its General Partner

HighPeak GP, LLC

Signature: /s/ Daniel Silver

Name/Title: Daniel Silver/Manager

HighPeak Energy GP II, LLC

Signature: /s/ Daniel Silver

Name/Title: Daniel Silver/Manager

HighPeak Energy Partners II, LP, its Sole Member

HighPeak Energy Partners II, LP

Signature: /s/ Daniel Silver

Name/Title: Daniel Silver/Manager

HighPeak Energy GP II, LLC, its General Partner

HighPeak Energy Partners GP II, LP

Signature: /s/ Daniel Silver

Name/Title: Daniel Silver/Manager

HighPeak Energy GP, LLC, its General Partner

HighPeak Energy Partners GP, LP

Signature: /s/ Daniel Silver

Name/Title: Daniel Silver/Manager

HighPeak GP II, LLC, its General Partner

Jack Hightower

Signature: /s/ Jack Hightower

Name/Title: Jack Hightower/Self