AERIE PHARMACEUTICALS INC Form SC 13D/A May 30, 2014

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13D (Rule 13d-101)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO 13d-1(a) AND AMENDMENTS THERETO FILED PURSUANT TO 13d-2(a)

(Amendment # 1)*

Aerie Pharmaceuticals, Inc.

(Name of Issuer)

Common Stock, par value \$0.001 per share

(Title of Class of Securities)

0771V108

(CUSIP Number)

Larry Randall
Alta Partners
One Embarcadero Center, Suite 3700
San Francisco, CA 94111
(415) 362-4022

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

May 22, 2014

(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 Rule 13d-1(e), Rule 13d-1(f) or Rule 13d-1(g), check the following box. o

*The remainder of this cover page shall be filled out for a reporting person s initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

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).

	CUSIP # 0771V108		13D			
1.	Names of Report	Names of Reporting Persons.				
2.	ACP IV, L.P. Check The Appro	ACP IV, L.P. Check The Appropriate Box If A Member Of A Group				
3.	SEC USE ONLY	SEC USE ONLY				
4.	Source of Funds	Source of Funds				
5.	WC Box If Disclosure Of Legal Proceedings Is Required Pursuant To Items 2(d) Or 2(e):					
6.	Citizenship or Place of Organization					
	Delaware	7.	Sole Voting Power			
	Number of Shares Beneficially	8.	3,989,582 (a) Shared Voting Power			
	Owned by Each	9.	-0- Sole Dispositive Power			
	Reporting Person with	10.	3,989,582 (a) Shared Dispositive Power			
11.	Aggregate Amou	nt Beneficially Ow	-0- ned by Each Reporting Person			
12.	3,989,582 (a) Check if the Aggregate Amount in Row (11) Excludes Certain Shares*					
13.	Percent of Class 1	Percent of Class Represented by Amount in Row (11)				
14.	16.8% (b) Type of Reporting Person					
	PN					

(a) Includes (i) 3,616,099 shares of Common Stock and (ii) warrants to purchase 373,483 shares of Common Stock held by ACP IV, L.P. ("ACP"). ACP has sole voting and dispositive control over these shares of common stock ("Common Stock") of Aerie Pharmaceuticals, Inc. (the "Issuer"), except that ACMP IV, LLC ("ACMP"), the general partner

of ACP, and Daniel S. Janney ("Janney") and Guy P. Nohra ("Nohra" and collectively with Janney, the "Directors"), directors of ACMP, may be deemed to share the right to direct the voting and dispositive control over such stock. ACP, ACMP and the Directors are sometimes collectively referred to herein as the "Reporting Persons."

1.	Names of Report	Names of Reporting Persons.				
2.	ACMP IV, LLC Check The Appropriate Box If A Member Of A Group					
3.	SEC USE ONLY	SEC USE ONLY				
4.	Source of Funds	Source of Funds				
5.	WC Box If Disclosure Of Legal Proceedings Is Required Pursuant To Items 2(d) Or 2(e):					
6.	Citizenship or Pla	ace of Organization		0		
	Delaware	7.	Sole Voting Power			
	Number of Shares	8.	3,989,582 (c) Shared Voting Power			
	Beneficially Owned by Each	9.	-0- Sole Dispositive Power			
	Reporting Person with	10.	3,989,582 (c) Shared Dispositive Power			
11.	Aggregate Amou	nt Beneficially Owne	-0- ed by Each Reporting Person			
12.	3,989,582 (c) Check if the Aggregate Amount in Row (11) Excludes Certain Shares*					
13.	Percent of Class	Percent of Class Represented by Amount in Row (11)				
14.	16.8% (b) Type of Reportin	g Person				
	00					

(c) Includes (i) 3,616,099 shares of Common Stock and (ii) warrants to purchase 373,483 shares of Common Stock held by ACP. ACP has sole voting and dispositive control over these shares of Common Stock, except that ACMP, as the general partner of ACP, and Janney and Nohra, as directors of ACMP, may be deemed to share the right to direct

the voting and dispositive control over such stock.

	CUSIP # 0771V108		13D			
1.	Names of Reporti	Names of Reporting Persons.				
2.	Daniel S. Janney Check The Appro	Daniel S. Janney Check The Appropriate Box If A Member Of A Group				
3.	SEC USE ONLY	C USE ONLY				
4.	Source of Funds	Source of Funds				
5.	WC Box If Disclosure Of Legal Proceedings Is Required Pursuant To Items 2(d) Or 2(e):					
6.	Citizenship or Pla	ace of Organization		0		
	United States of A					
		7.	Sole Voting Power			
	Number of Shares	8.	-0- Shared Voting Power			
	Beneficially Owned by Each	9.	3,989,582 (c) Sole Dispositive Power			
	Reporting Person with	10.	-0- Shared Dispositive Power			
11.	Aggregate Amoun	nt Beneficially Own	3,989,582 (c) ed by Each Reporting Person			
12.	3,989,582 (c) Check if the Aggr	3,989,582 (c) Check if the Aggregate Amount in Row (11) Excludes Certain Shares*				
13.	Percent of Class I	Percent of Class Represented by Amount in Row (11)				
14.	16.8% (b) Type of Reporting	g Person				
	IN					

(c) Includes (i) 3,616,099 shares of Common Stock and (ii) warrants to purchase 373,483 shares of Common Stock held by ACP. ACP has sole voting and dispositive control over these shares of Common Stock, except that ACMP, as the general partner of ACP, and Janney and Nohra, as directors of ACMP, may be deemed to share the right to direct

the voting and dispositive control over such stock.

	CUSIP # 0771V108		13D			
1.	Names of Reporti	Names of Reporting Persons.				
2.	Guy P. Nohra Check The Appro	Guy P. Nohra Check The Appropriate Box If A Member Of A Group				
3.	SEC USE ONLY	USE ONLY				
4.	Source of Funds	Source of Funds				
5.	WC Box If Disclosure Of Legal Proceedings Is Required Pursuant To Items 2(d) Or 2(e):					
6.	Citizenship or Pla	ace of Organization		0		
	United States of A					
		7.	Sole Voting Power			
	Number of Shares	8.	-0- Shared Voting Power			
	Beneficially Owned by Each	9.	3,989,582 (c) Sole Dispositive Power			
	Reporting Person with	10.	-0- Shared Dispositive Power			
11.	Aggregate Amou	nt Beneficially Own	3,989,582 (c) ed by Each Reporting Person			
12.	3,989,582 (c) Check if the Aggregate Amount in Row (11) Excludes Certain Shares*					
13.	Percent of Class I	Percent of Class Represented by Amount in Row (11)				
14.	16.8% (b) Type of Reporting	g Person				
	IN					

(c) Includes (i) 3,616,099 shares of Common Stock and (ii) warrants to purchase 373,483 shares of Common Stock held by ACP. ACP has sole voting and dispositive control over these shares of Common Stock, except that ACMP, as the general partner of ACP, and Janney and Nohra, as directors of ACMP, may be deemed to share the right to direct

the voting and dispositive control over such stock..

CUSIP # 0771V108

13D

Explanatory Note.

This Amendment No. 1 to Schedule 13D (this "Schedule 13D/A") is being filed to amend the statement on Schedule 13D relating to the common stock, par value \$0.001 per share (the "Common Stock"), of Aerie Pharmaceuticals Inc., a Delaware corporation (the "Issuer"), as initially filed with the Securities and Exchange Commission on November 12, 2013 (the "Original Schedule 13D"). This Schedule 13D/A is being filed to report sales of Common Stock by the Reporting Persons in an open market transaction on May 22, 2014. The Original Schedule 13D is hereby amended and supplemented as detailed below and, except as amended and supplemented hereby, the Original Schedule 13D remains in full force and effect. All capitalized terms not otherwise defined herein shall have the meaning ascribed to the terms in the Original Schedule 13D.

Item 4. Purpose of Transaction.

Item 4 of the Original Schedule 13D is hereby amended and supplemented by adding the following at the end thereof:

On May 22, 2014, ACP sold an aggregate of 300,000 shares of Common Stock in an open market transaction at \$16.00 per share.

Item 5. Interest in Securities of the Issuer.

Items 5(a), 5(b), and 5(c) of the Original Schedule 13D are hereby amended and restated in their entirety to read as follows:

(a)-(b)

Reporting	Shares Held	Sole Voting	Shared	Sole	Shared	Beneficial	Percentage
Person	Directly	Power	Voting	Dispositive	Dispositive	Ownership	of
			Power (2)	Power	Power (2)		Class
ACP IV,	3,989,582	3,989,582	0	3,989,582	0	3,989,582	16.8% (3)
L.P.	(1)	(1)		(1)			
ACMP LLV	0	0	3,989,582	0	3,989,582	3,989,582	16.8% (3)
Daniel S.	0	0	3,989,582	0	3,989,582	3,989,582	16.8% (3)
Janney							
Guy P.	0	0	3,989,582	0	3,989,582	3,989,582	16.8% (3)
Nohra							

- (1) Includes (i) 3,616,099 shares of Common Stock and (ii) warrants to purchase 373,483 shares of Common Stock held by ACP.
- (2) Janney and Nohra serve as directors of ACMP, which serves as the general partner of ACP. ACMP owns no securities of the Issuer directly. Janney and Nohra share voting and investment control over the shares owned by ACP and may be deemed to beneficially own the shares held by ACP.
- (3) This percentage is based upon (i) 23,437,055 shares of the Issuer's Common Stock outstanding as of May 6, 2014 as disclosed in the Issuer's 10-Q filed with the Securities and Exchange Commission on May 13, 2014, plus (ii)

373,483 shares of Common Stock issuable upon exercise of warrants beneficially owned by the Reporting Persons within 60 days of the date of this filing.

(c) On May 22, 2014, ACP sold an aggregate of 300,000 shares of Common Stock in an open market transaction at \$16.00 per share.

Item 7. Material to be Filed as Exhibits.

Exhibit A: Joint Filing Statement.

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.

Date: May 30, 2014

ACP IV, L.P.

By: ACMP IV, LLC

By: /s/ Larry Randall

Name: Larry Randall

Title: CFO

ACMP IV, LLC

By: /s/ Larry Randall

Name: Larry Randall

Title: CFO

/s/ Daniel S. Janney Daniel S. Janney

/s/ Guy P. Nohra Guy P. Nohra

EXHIBIT A

Joint Filing Statement

We, the undersigned, hereby express our agreement that the attached Schedule 13D is filed on behalf of each of us.

Date: May 30, 2014

ACP IV, L.P.

By: ACMP IV, LLC

By: /s/ Larry Randall

Name: Larry Randall

Title: CFO

ACMP IV, LLC

By: /s/ Larry Randall

Name: Larry Randall

Title: CFO

/s/ Daniel S. Janney Daniel S. Janney

/s/ Guy P. Nohra Guy P. Nohra