

Laredo Petroleum Holdings, Inc.  
Form SC 13G/A  
August 28, 2013

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, DC 20549**

**SCHEDULE 13G/A**

**(Amendment No. 4)\***

(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO  
RULES 13d-1(b), (c) AND (d) AND AMENDMENTS THERETO FILED  
PURSUANT TO RULE 13d-2(b)

**Laredo Petroleum Holdings, Inc.**

(Name of Issuer)

**Common Stock**

(Title of Class of Securities)

**516806 106**

(CUSIP Number)

**August 27, 2013**

(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)

\* 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).

---

Edgar Filing: Laredo Petroleum Holdings, Inc. - Form SC 13G/A

CUSIP No. 516806 106

13G

1	Name of Reporting Persons Warburg Pincus Private Equity IX, L.P.	
2	Check the Appropriate Box if a Member of a Group (a) <input type="radio"/> o (b) <input checked="" type="radio"/> x	
3	SEC Use Only	
4	Citizenship or Place of Organization Delaware	
	5	Sole Voting Power 0
Number of Shares Beneficially Owned by Each Reporting Person With	6	Shared Voting Power 63,414,987(1)
	7	Sole Dispositive Power 0
	8	Shared Dispositive Power 63,414,987 (1)
9	Aggregate Amount Beneficially Owned by Each Reporting Person 63,414,987(1)	
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares <input type="radio"/> o	
11	Percent of Class Represented by Amount in Row 9 44.5%(2)	
12	Type of Reporting Person PN	

---

(1) The reporting person expressly disclaims beneficial ownership with respect to any shares of common stock of the Issuer other than the common stock owned of the Issuer of record by such reporting person.

(2) Calculations are based upon 142,503,049 shares of common stock outstanding, representing 13,000,000 shares of common stock sold by the Issuer on August 19, 2013 plus 129,503,049 shares of common stock of the Issuer outstanding as of August 5, 2013, as stated in the prospectus supplement of the Issuer filed with the U.S. Securities and Exchange Commission (the "SEC") on August 13, 2013.

Edgar Filing: Laredo Petroleum Holdings, Inc. - Form SC 13G/A

CUSIP No. 516806 106

13G

1	Name of Reporting Persons Warburg Pincus IX LLC	
2	Check the Appropriate Box if a Member of a Group (a) <input type="radio"/> o (b) <input checked="" type="radio"/> x	
3	SEC Use Only	
4	Citizenship or Place of Organization New York	
5		Sole Voting Power 0
6		Shared Voting Power 63,414,987 (1)
7		Sole Dispositive Power 0
8		Shared Dispositive Power 63,414,987 (1)
9	Aggregate Amount Beneficially Owned by Each Reporting Person 63,414,987 (1)	
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares <input type="radio"/> o	
11	Percent of Class Represented by Amount in Row 9 44.5%(2)	
12	Type of Reporting Person OO	

---

(1) The reporting person expressly disclaims beneficial ownership with respect to any shares of common stock of the Issuer other than the common stock owned of the Issuer of record by such reporting person.

(2) Calculations are based upon 142,503,049 shares of common stock outstanding, representing 13,000,000 shares of common stock sold by the Issuer on August 19, 2013 plus 129,503,049 shares of common stock of the Issuer outstanding as of August 5, 2013, as stated in the prospectus supplement of the Issuer filed with the U.S. Securities and Exchange Commission (the "SEC") on August 13, 2013.

Edgar Filing: Laredo Petroleum Holdings, Inc. - Form SC 13G/A

CUSIP No. 516806 106

13G

1	Name of Reporting Persons Warburg Pincus Private Equity X O&G, L.P.
2	Check the Appropriate Box if a Member of a Group (a) <input type="radio"/> o (b) <input checked="" type="radio"/> x
3	SEC Use Only
4	Citizenship or Place of Organization Delaware
5	Sole Voting Power 0
6	Shared Voting Power 15,610,915(1)
7	Sole Dispositive Power 0
8	Shared Dispositive Power 15,610,915 (1)
9	Aggregate Amount Beneficially Owned by Each Reporting Person 15,610,915 (1)
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares <input type="radio"/> o
11	Percent of Class Represented by Amount in Row 9 11.0%(2)
12	Type of Reporting Person PN

---

(1) The reporting person expressly disclaims beneficial ownership with respect to any shares of common stock of the Issuer other than the common stock of the Issuer owned of record by such reporting person.

(2) Calculations are based upon 142,503,049 shares of common stock outstanding, representing 13,000,000 shares of common stock sold by the Issuer on August 19, 2013 plus 129,503,049 shares of common stock of the Issuer outstanding as of August 5, 2013, as stated in the prospectus supplement of the Issuer filed with the U.S. Securities and Exchange Commission (the SEC) on August 13, 2013.

Edgar Filing: Laredo Petroleum Holdings, Inc. - Form SC 13G/A

CUSIP No. 516806 106

13G

1	Name of Reporting Persons Warburg Pincus X Partners, L.P.
2	Check the Appropriate Box if a Member of a Group (a) <input type="radio"/> o (b) <input checked="" type="radio"/> x
3	SEC Use Only
4	Citizenship or Place of Organization Delaware
5	Sole Voting Power 0
6	Shared Voting Power 500,369(1)
7	Sole Dispositive Power 0
8	Shared Dispositive Power 500,369 (1)
9	Aggregate Amount Beneficially Owned by Each Reporting Person 500,369 (1)
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares <input type="radio"/> o
11	Percent of Class Represented by Amount in Row 9 less than 1%(2)
12	Type of Reporting Person PN

---

(1) The reporting person expressly disclaims beneficial ownership with respect to any shares of common stock of the Issuer other than the common stock of the Issuer owned of record by such reporting person.

(2) Calculations are based upon 142,503,049 shares of common stock outstanding, representing 13,000,000 shares of common stock sold by the Issuer on August 19, 2013 plus 129,503,049 shares of common stock of the Issuer outstanding as of August 5, 2013, as stated in the prospectus supplement of the Issuer filed with the U.S. Securities and Exchange Commission (the SEC) on August 13, 2013.

Edgar Filing: Laredo Petroleum Holdings, Inc. - Form SC 13G/A

CUSIP No. 516806 106

13G

1	Name of Reporting Persons Warburg Pincus X, L.P.	
2	Check the Appropriate Box if a Member of a Group (a) <input type="radio"/> o (b) <input checked="" type="radio"/> x	
3	SEC Use Only	
4	Citizenship or Place of Organization Delaware	
	5	Sole Voting Power 0
Number of Shares Beneficially Owned by Each Reporting Person With	6	Shared Voting Power 16,111,284(1)
	7	Sole Dispositive Power 0
	8	Shared Dispositive Power 16,111,284 (1)
9	Aggregate Amount Beneficially Owned by Each Reporting Person 16,111,284 (1)	
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares <input type="radio"/> o	
11	Percent of Class Represented by Amount in Row 9 11.3%(2)	
12	Type of Reporting Person PN	

---

(1) The reporting person expressly disclaims beneficial ownership with respect to any shares of common stock of the Issuer other than the common stock of the Issuer owned of record by such reporting person.

(2) Calculations are based upon 142,503,049 shares of common stock outstanding, representing 13,000,000 shares of common stock sold by the Issuer on August 19, 2013 plus 129,503,049 shares of common stock of the Issuer outstanding as of August 5, 2013, as stated in the prospectus supplement of the Issuer filed with the U.S. Securities and Exchange Commission (the SEC) on August 13, 2013.

Edgar Filing: Laredo Petroleum Holdings, Inc. - Form SC 13G/A

CUSIP No. 516806 106

13G

1	Name of Reporting Persons Warburg Pincus X LLC	
2	Check the Appropriate Box if a Member of a Group (a) <input type="radio"/> o (b) <input checked="" type="radio"/> x	
3	SEC Use Only	
4	Citizenship or Place of Organization Delaware	
	5	Sole Voting Power 0
Number of Shares Beneficially Owned by Each Reporting Person With	6	Shared Voting Power 16,111,284 (1)
	7	Sole Dispositive Power 0
	8	Shared Dispositive Power 16,111,284 (1)
9	Aggregate Amount Beneficially Owned by Each Reporting Person 16,111,284 (1)	
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares <input type="radio"/> o	
11	Percent of Class Represented by Amount in Row 9 11.3%(2)	
12	Type of Reporting Person OO	

---

(1) The reporting person expressly disclaims beneficial ownership with respect to any shares of common stock of the Issuer other than the common stock of the Issuer owned of record by such reporting person.

(2) Calculations are based upon 142,503,049 shares of common stock outstanding, representing 13,000,000 shares of common stock sold by the Issuer on August 19, 2013 plus 129,503,049 shares of common stock of the Issuer outstanding as of August 5, 2013, as stated in the prospectus supplement of the Issuer filed with the U.S. Securities and Exchange Commission (the SEC) on August 13, 2013.



Edgar Filing: Laredo Petroleum Holdings, Inc. - Form SC 13G/A

CUSIP No. 516806 106

13G

1	Name of Reporting Persons Warburg Pincus Partners LLC	
2	Check the Appropriate Box if a Member of a Group (a) <input type="radio"/> (b) <input checked="" type="radio"/>	
3	SEC Use Only	
4	Citizenship or Place of Organization New York	
5		Sole Voting Power 0
6		Shared Voting Power 79,526,271(1)
7		Sole Dispositive Power 0
8		Shared Dispositive Power 79,526,271 (1)
9	Aggregate Amount Beneficially Owned by Each Reporting Person 79,526,271 (1)	
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares <input type="radio"/>	
11	Percent of Class Represented by Amount in Row 9 55.8%(2)	
12	Type of Reporting Person OO	

---

(1) The reporting person expressly disclaims beneficial ownership with respect to any shares of common stock of the Issuer other than the common stock of the Issuer owned of record by such reporting person.

(2) Calculations are based upon 142,503,049 shares of common stock outstanding, representing 13,000,000 shares of common stock sold by the Issuer on August 19, 2013 plus 129,503,049 shares of common stock of the Issuer outstanding as of August 5, 2013, as stated in the prospectus supplement of the Issuer filed with the U.S. Securities and Exchange Commission (the "SEC") on August 13, 2013.

Edgar Filing: Laredo Petroleum Holdings, Inc. - Form SC 13G/A

CUSIP No. 516806 106

13G

1	Name of Reporting Persons Warburg Pincus & Co.	
2	Check the Appropriate Box if a Member of a Group (a) <input type="radio"/> (b) <input checked="" type="radio"/>	
3	SEC Use Only	
4	Citizenship or Place of Organization New York	
Number of Shares Beneficially Owned by Each Reporting Person With	5	Sole Voting Power 0
	6	Shared Voting Power 79,526,271 (1)
	7	Sole Dispositive Power 0
	8	Shared Dispositive Power 79,526,271 (1)
9	Aggregate Amount Beneficially Owned by Each Reporting Person 79,526,271 (1)	
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares <input type="radio"/>	
11	Percent of Class Represented by Amount in Row 9 55.8%(2)	
12	Type of Reporting Person PN	

---

(1) The reporting person expressly disclaims beneficial ownership with respect to any shares of common stock of the Issuer other than the common stock of the Issuer owned of record by such reporting person.

(2) Calculations are based upon 142,503,049 shares of common stock outstanding, representing 13,000,000 shares of common stock sold by the Issuer on August 19, 2013 plus 129,503,049 shares of common stock of the Issuer outstanding as of August 5, 2013, as stated in the prospectus supplement of the Issuer filed with the U.S. Securities and Exchange Commission (the "SEC") on August 13, 2013.

Edgar Filing: Laredo Petroleum Holdings, Inc. - Form SC 13G/A

CUSIP No. 516806 106

13G

1	Name of Reporting Persons Warburg Pincus LLC	
2	Check the Appropriate Box if a Member of a Group (a) <input type="radio"/> (b) <input checked="" type="radio"/>	
3	SEC Use Only	
4	Citizenship or Place of Organization New York	
5		Sole Voting Power 0
6		Shared Voting Power 79,526,271 (1)
7		Sole Dispositive Power 0
8		Shared Dispositive Power 79,526,271 (1)
9	Aggregate Amount Beneficially Owned by Each Reporting Person 79,526,271 (1)	
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares <input type="radio"/>	
11	Percent of Class Represented by Amount in Row 9 55.8%(2)	
12	Type of Reporting Person OO	

---

(1) The reporting person expressly disclaims beneficial ownership with respect to any shares of common stock of the Issuer other than the common stock of the Issuer owned of record by such reporting person.

(2) Calculations are based upon 142,503,049 shares of common stock outstanding, representing 13,000,000 shares of common stock sold by the Issuer on August 19, 2013 plus 129,503,049 shares of common stock of the Issuer outstanding as of August 5, 2013, as stated in the prospectus supplement of the Issuer filed with the U.S. Securities and Exchange Commission (the "SEC") on August 13, 2013.

Edgar Filing: Laredo Petroleum Holdings, Inc. - Form SC 13G/A

CUSIP No. 516806 106

13G

1	Name of Reporting Persons Charles R. Kaye	
2	Check the Appropriate Box if a Member of a Group (a) <input type="radio"/> (b) <input checked="" type="radio"/>	
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
	6	Shared Voting Power 79,526,271 (1)
	7	Sole Dispositive Power 0
	8	Shared Dispositive Power 79,526,271 (1)
9	Aggregate Amount Beneficially Owned by Each Reporting Person 79,526,271 (1)	
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares <input type="radio"/>	
11	Percent of Class Represented by Amount in Row 9 55.8%(2)	
12	Type of Reporting Person IN	

---

(1) The reporting person expressly disclaims beneficial ownership with respect to any shares of common stock of the Issuer other than the common stock of the Issuer owned of record by such reporting person.

(2) Calculations are based upon 142,503,049 shares of common stock outstanding, representing 13,000,000 shares of common stock sold by the Issuer on August 19, 2013 plus 129,503,049 shares of common stock of the Issuer outstanding as of August 5, 2013, as stated in the prospectus supplement of the Issuer filed with the U.S. Securities and Exchange Commission (the "SEC") on August 13, 2013.

Edgar Filing: Laredo Petroleum Holdings, Inc. - Form SC 13G/A

CUSIP No. 516806 106

13G

1	Name of Reporting Persons Joseph P. Landy	
2	Check the Appropriate Box if a Member of a Group (a) <input type="radio"/> (b) <input checked="" type="radio"/>	
3	SEC Use Only	
4	Citizenship or Place of Organization United States	
5		Sole Voting Power 0
6		Shared Voting Power 79,526,271 (1)
7		Sole Dispositive Power 0
8		Shared Dispositive Power 79,526,271 (1)
9	Aggregate Amount Beneficially Owned by Each Reporting Person 79,526,271 (1)	
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares <input type="radio"/>	
11	Percent of Class Represented by Amount in Row 9 55.8%(2)	
12	Type of Reporting Person IN	

---

(1) The reporting person expressly disclaims beneficial ownership with respect to any shares of common stock of the Issuer other than the common stock of the Issuer owned of record by such reporting person.

(2) Calculations are based upon 142,503,049 shares of common stock outstanding, representing 13,000,000 shares of common stock sold by the Issuer on August 19, 2013 plus 129,503,049 shares of common stock of the Issuer outstanding as of August 5, 2013, as stated in the prospectus supplement of the Issuer filed with the U.S. Securities and Exchange Commission (the "SEC") on August 13, 2013.

**SCHEDULE 13G**

**Item 1(a) Name of Issuer.**

The name of the issuer is Laredo Petroleum Holdings, Inc., a Delaware corporation (the Issuer).

**Item 1(b) Address of Issuer's Principal Executive Offices.**

The principal executive offices of the Issuer are located at 15 W. Sixth Street, Suite 1800, Tulsa, Oklahoma 74119.

**Item 2(a) Name of Person Filing.**

This Schedule 13G is filed by (i) Warburg Pincus Private Equity IX, L.P., a Delaware limited partnership ( WP IX ), (ii) Warburg Pincus IX LLC, a New York limited liability company ( WP IX GP ), the general partner of WP IX, (iii) Warburg Pincus Private Equity X O&G, L.P., a Delaware limited partnership ( WP X O&G ), (iv) Warburg Pincus X Partners, L.P., a Delaware limited partnership ( WP X Partners ), and together with WP X O&G, the WP X Funds ), (v) Warburg Pincus X, L.P., a Delaware limited partnership ( WP X GP ), the general partner of the WP X Funds, (vi) Warburg Pincus X LLC, a Delaware limited liability company ( WP X LLC ), the general partner of WP X GP, (vii) Warburg Pincus Partners LLC, a New York limited liability company ( WP Partners ), the sole member of WP IX GP and WP X LLC, (viii) Warburg Pincus & Co., a New York general partnership ( WP ), the managing member of WP Partners, (ix) Warburg Pincus LLC, a New York limited liability company ( WP LLC ), the manager of WP IX and the WP X Funds, and (x) Messrs. Charles R. Kaye and Joseph P. Landy, each a United States citizen and a Managing General Partner of WP and Co-President and Managing Member of WP LLC and who may be deemed to control WP IX, WP IX GP, the WP X Funds, WP X GP, WP X LLC, WP Partners, WP and WP LLC.

Each of Messrs. Kaye and Landy, together with WP IX, WP IX GP, the WP X Funds, WP X GP, WP X LLC, WP Partners, WP and WP LLC are collectively referred to herein as the Warburg Pincus Reporting Persons. Each Warburg Pincus Reporting Person expressly disclaims beneficial ownership with respect to any common stock of the Issuer, other than the common stock owned of record by such Warburg Pincus Reporting Person.

**Item 2(b) Address of Principal Business Office.**

The principal business address of each of the Warburg Pincus Reporting Persons is 450 Lexington Avenue, New York, New York 10017.

**Item 2(c) Citizenship.**

See Item 2(a).

**Item 2(d) Title of Class of Securities.**

Common Stock, par value \$0.01 per share (the Common Stock ).

**Item 2(e) CUSIP Number.**

516806 106

**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:**

- Not Applicable
- (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);
- (k)  Group, in accordance with §240.13d 1(b)(1)(ii)(K).

**Item 4 Ownership.**

The information required by Items 4(a)-(c) is set forth in Rows 5-11 of the cover page hereto for each Warburg Pincus Reporting Person and is incorporated herein by reference for each such Warburg Pincus Reporting Person.

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

If this statement is being filed to report the fact that as of the date hereof the Warburg Pincus Reporting Person has ceased to be the beneficial owner of more than 5 percent of the class of securities, check the following .



**Item 6 Ownership of More than Five Percent on Behalf of Another Person.**

Other than as set forth herein, no other person has the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, in excess of 5% of the total outstanding Common Stock.

**Item 7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company.**

Inapplicable.

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

The Warburg Pincus Reporting Persons are making this single, joint filing because they may be deemed to constitute a group within the meaning of Section 13(d)-3 of the Securities and Exchange Act of 1934, as amended (the Exchange Act). The joint filing agreement among the Warburg Pincus Reporting Persons to file this Schedule 13G jointly in accordance with Rule 13d-1(k) of the Exchange Act was previously filed as Exhibit 99.1 to the Form 13G filed by the Warburg Pincus Reporting Persons with respect to the Issuer on December 19, 2011. Each Warburg Pincus Reporting Person expressly disclaims beneficial ownership with respect to any shares of Common Stock other than Common Stock owned of record by such reporting person.

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

Inapplicable.

**Item 10 Certification.**

Inapplicable.

**SIGNATURES**

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: August 27 , 2013

**WARBURG PINCUS PRIVATE EQUITY IX, L.P.**

By: Warburg Pincus IX LLC, its general partner  
By: Warburg Pincus Partners LLC, its sole member  
By: Warburg Pincus & Co., its managing member

By: /s/ Scott A. Arenare  
Name: Scott A. Arenare  
Title: Attorney-in-Fact\*

**WARBURG PINCUS IX LLC**

By: Warburg Pincus Partners LLC, its sole member  
By: Warburg Pincus & Co., its managing member

By: /s/ Scott A. Arenare  
Name: Scott A. Arenare  
Title: Attorney-in-Fact\*

**WARBURG PINCUS PRIVATE EQUITY X O&G, L.P.**

By: Warburg Pincus X, L.P., its general partner  
By: Warburg Pincus X LLC, its general partner  
By: Warburg Pincus Partners LLC, its sole member  
By: Warburg Pincus & Co., its managing member

By: /s/ Scott A. Arenare  
Name: Scott A. Arenare  
Title: Attorney-in-Fact\*

**WARBURG PINCUS X PARTNERS, L.P.**

By: Warburg Pincus X, L.P., its general partner  
By: Warburg Pincus X LLC, its general partner  
By: Warburg Pincus Partners LLC, its sole member  
By: Warburg Pincus & Co., its managing member

By: /s/ Scott A. Arenare  
Name: Scott A. Arenare  
Title: Attorney-in-Fact\*

**WARBURG PINCUS X, L.P.**

By: Warburg Pincus X LLC, its general partner  
By: Warburg Pincus Partners LLC, its sole member  
By: Warburg Pincus & Co., its managing member

By: /s/ Scott A. Arenare  
Name: Scott A. Arenare  
Title: Attorney-in-Fact\*

**WARBURG PINCUS X LLC**

By: Warburg Pincus Partners LLC, its sole member  
By: Warburg Pincus & Co., its managing member

By: /s/ Scott A. Arenare  
Name: Scott A. Arenare  
Title: Attorney-in-Fact\*

**WARBURG PINCUS PARTNERS LLC**

By: Warburg Pincus & Co., its managing member

By: /s/ Scott A. Arenare  
Name: Scott A. Arenare  
Title: Attorney-in-Fact\*

**WARBURG PINCUS & CO.**

By: /s/ Scott A. Arenare  
Name: Scott A. Arenare  
Title: Attorney-in-Fact\*

**WARBURG PINCUS LLC**

By: /s/ Scott A. Arenare  
Name: Scott A. Arenare  
Title: Managing Director

**CHARLES R. KAYE**

By: /s/ Scott A. Arenare  
Scott A. Arenare, Attorney-in-Fact\*

**JOSEPH P. LANDY**

By: /s/ Scott A. Arenare  
Scott A. Arenare, Attorney-in-Fact\*

\* The Power of Attorney given by each of Warburg Pincus & Co., Mr. Kaye and Mr. Landy was previously filed with the U.S. Securities & Exchange Commission on January 15, 2013 as an exhibit to a statement on Schedule 13D/A filed by Warburg Pincus Private Equity X, L.P. with respect to Talon Therapeutics, Inc. and is hereby incorporated by reference.

*Schedule 13G Signature Page*