Midstates Petroleum Company, Inc. Form SC 13D/A January 25, 2016

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13D

(Amendment No. 8)

Under the Securities Exchange Act of 1934

Midstates Petroleum Company, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

59804T100

(CUSIP Number)

Dianna Rosser Aprile c/o Riverstone Holdings LLC 712 Fifth Avenue, 36th Floor New York, NY 10019 (212) 993-0076

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

January 22, 2016

(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 which is the subject of this Schedule 13D, and is	
filing this schedule because of Rule 13d-1(e), 13d-1(f) or 13d-1(g), check the following box: o	

CUSIP No. 59804T100 1 Name of Reporting Person R/C IV Eagle Holdings, L.P. 2 Check the Appropriate Box if a Member of a Group o (b): 3 SEC Use Only 4 Source of Funds OO (please see Item 3 below) 5 Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e) o 6 Citizenship or Place of Organization Delaware 7 Sole Voting Power Number of Shares 8 Shared Voting Power Beneficially 2,626,686 Owned by Each 9 Sole Dispositive Power Reporting Person With 10 Shared Dispositive Power 2,626,686 11 Aggregate Amount Beneficially Owned by Each Reporting Person 2,626,686 12 Check if the Aggregate Amount in Row (11) Excludes Certain Shares o 13 Percent of Class Represented by Amount in Row (11) 24.2% (1) 14 Type of Reporting Person PN

(1) Based on 10,840,897 shares of common stock outstanding as of January 19, 2016.

CUSIP No	. 59804T10	00					
	1	Name of Reporting Person Riverstone/Carlyle Energy Partners IV, L.P.					
	2	Check the Appropriat (a): (b):	e Box if a Me	ember of a Group o x			
	3	SEC Use Only					
	4	Source of Funds OO (please see <u>Item 3</u> below)					
	5	Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e) o					
	6	Citizenship or Place of Organization Delaware					
		7		Sole Voting Power 0			
Number of Shares Beneficiall Owned by		8		Shared Voting Power 2,626,686			
Each Reporting Person Wit	th	9		Sole Dispositive Power 0			
Terson WI		10		Shared Dispositive Power 2,626,686			
	11	Aggregate Amount Beneficially Owned by Each Reporting Person 2,626,686					
	12	Check if the Aggregate Amount in Row (11) Excludes Certain Shares o					
	13	Percent of Class Represented by Amount in Row (11) 24.2% (1)					
	14	Type of Reporting Person PN					

(1) Based on 10,840,897 shares of common stock outstanding as of January 19, 2016.

CUSIP No	. 59804T10	00					
	1	Name of Reporting Person R/C Energy GP IV, LLC					
	2	Check the Appropriate B (a): (b):	sox if a M	ember of a Group o x			
	3	SEC Use Only					
	4	Source of Funds OO (please see <u>Item 3</u> below)					
	5	Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e) o					
	6	Citizenship or Place of Organization Delaware					
		7		Sole Voting Power 0			
Number of Shares Beneficiall Owned by		8		Shared Voting Power 2,626,686			
Each Reporting Person Wit	·h	9		Sole Dispositive Power 0			
Terson WI		10		Shared Dispositive Power 2,626,686			
	11	Aggregate Amount Beneficially Owned by Each Reporting Person 2,626,686					
	12	Check if the Aggregate Amount in Row (11) Excludes Certain Shares o					
	13	Percent of Class Represented by Amount in Row (11) 24.2% (1)					
	14	Type of Reporting Person OO					

(1) Based on 10,840,897 shares of common stock outstanding as of January 19, 2016.

This Amendment No. 8 (this Amendment) amends and supplements the Schedule 13D filed on August 12, 2013, as amended and supplemented by Amendment No. 1 filed on September 30, 2015, Amendment No. 2 filed on October 5, 2015, Amendment No. 3 filed on October 7, 2015, Amendment No. 4 filed on October 9, 2015, Amendment No. 5 filed on November 17, 2015, Amendment No. 6 filed on January 8, 2016 and Amendment No. 7 filed on January 19, 2016 (as so amended, the Original Schedule 13D and, as amended and supplemented by this Amendment, the Schedule 13D), by the Reporting Persons (as defined below) with respect to the Common Stock of the Issuer. Capitalized terms used in this Amendment and not otherwise defined shall have the same meanings ascribed to them in the Original Schedule 13D.

Item 4. Purpose of Transaction

This Amendment amends and supplements Item 4 of the Original Schedule 13D by inserting the following to the end of the second paragraph:

On January 19, 2016, Eagle Holdings sold an aggregate of 24,633 shares of Common Stock at a weighted average price of \$0.78 pursuant to Rule 144. On January 20, 2016, Eagle Holdings sold an aggregate of 17,542 shares of Common Stock at a weighted average price of \$0.71 pursuant to Rule 144. On January 21, 2016, Eagle Holdings sold an aggregate of 38,547 shares of Common Stock at a weighted average price of \$0.82 pursuant to Rule 144. On January 22, 2016, Eagle Holdings sold an aggregate of 34,536 shares of Common Stock at a weighted average price of \$0.81 pursuant to Rule 144.

Item 5. Interest in Securities of the Issuer

This Amendment amends and restates Sections (a)-(b) of Item 5 of the Original Schedule 13D in their entirety as set forth below:

(a)-(b) The percentage ownership of Common Stock provided for each Reporting Person below is based on 10,840,897 shares of common stock outstanding as of January 19, 2016:

R/C IV Eagle Holdings, L.P.

a) Amount beneficially owned: 2,626,686 Percentage: 24.2%

b) Number of shares to which the Reporting Person has:

i. Sole power to vote or to direct the vote: 0

ii. Shared power to vote or to direct the vote: 2,626,686
 iii. Sole power to dispose or to direct the disposition of: 0
 iv. Shared power to dispose or to direct the disposition of:

2,626,686

Riverstone/Carlyle Energy Partners IV, L.P.

a) Amount beneficially owned: 2,626,686 Percentage: 24.2%

b) Number of shares to which the Reporting Person has:

i. Sole power to vote or to direct the vote: 0

ii. Shared power to vote or to direct the vote: 2,626,686iii. Sole power to dispose or to direct the disposition of: 0

iv. Shared power to dispose or to direct the disposition of:

2,626,686

R/C Energy GP IV, LLC

a) Amount beneficially owned: 2,626,686 Percentage: 24.2%

b) Number of shares to which the Reporting Person has:

i. Sole power to vote or to direct the vote: 0

ii. Shared power to vote or to direct the vote: 2,626,686
 iii. Sole power to dispose or to direct the disposition of: 0
 iv. Shared power to dispose or to direct the disposition of:

2,626,686

5

Ultimate R/C GP is the general partner of R/C GP, which is the general partner of Eagle Holdings. Each of Ultimate R/C GP and R/C GP may be deemed to indirectly own the Converted Shares owned by Eagle Holdings.

This Amendment amends and supplements Section (c) of Item 5 of the Original Schedule 13D as set forth below:

On January 19, 2016, Eagle Holdings sold an aggregate of 24,633 shares of Common Stock in open market transactions at a weighted average price of \$0.78 pursuant to Rule 144. On January 20, 2016, Eagle Holdings sold an aggregate of 17,542 shares of Common Stock in open market transactions at a weighted average price of \$0.71 pursuant to Rule 144. On January 21, 2016, Eagle Holdings sold an aggregate of 38,547 shares of Common Stock in open market transactions at a weighted average price of \$0.82 pursuant to Rule 144. On January 22, 2016, Eagle Holdings sold an aggregate of 34,536 shares of Common Stock in open market transactions at a weighted average price of \$0.81.

Item 7. Material to be Filed as Exhibits

Exhibit 99.1 Joint Filing Agreement (filed as Exhibit 99.1 to Amendment No. 2 to the Reporting Persons Schedule 13D filed with the Commission on October 5, 2015)

6

SIGNATURE PAGE

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: January 25, 2016

R/C IV EAGLE HOLDINGS, L.P.

BY: RIVERSTONE/CARLYLE ENERGY PARTNERS

IV, L.P., Its General Partner

BY: R/C ENERGY GP IV, LLC, Its General Partner

By: /s/ Thomas Walker

Name: Thomas Walker Title: Managing Director

RIVERSTONE/CARLYLE ENERGY PARTNERS IV, L.P.

BY: R/C ENERGY GP IV, LLC, Its General Partner

By: /s/ Thomas Walker

Name: Thomas Walker Title: Managing Director

R/C ENERGY GP IV, LLC

By: /s/ Thomas Walker

Name: Thomas Walker Title: Managing Director

7