Rocket Fuel Inc. Form SC 13G/A February 10, 2017

SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 2)*

Rocket Fuel Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

773111109

(CUSIP Number)

December 31, 2016

(Date of Event Which Requires Filing of this Statement)

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

o Rule 13d-1(b)

- o Rule 13d-1(c)
- x 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 the disclosures provided in a prior cover page.

The information required in 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).

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CUSIP No. 773111109

13G

1.	Names of Reporting Persons MDV IX, L.P			
2.	Check the Approp (a) (b)	oriate Box if a Men o x (1)	nber of a Group (See Instructions)	
3.	SEC Use Only			
4.	Citizenship or Place of Organization Delaware, United States of America			
	5.		Sole Voting Power 0 Shares	
Number of Shares Beneficially Owned by Each Reporting Person With:	6.		Shared Voting Power 9,295,955 Shares (2)	
	7.		Sole Dispositive Power 0 Shares	
	8.		Shared Dispositive Power 9,295,955 Shares (2)	
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 9,295,955 Shares (2)			
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o			
11.	Percent of Class Represented by Amount in Row 9 20.4% (3)			
12.	Type of Reporting Person (See Instructions) PN			

⁽¹⁾ This Schedule 13G is filed by MDV IX, L.P. (MDV), Ninth MDV Partners, L.L.C. (Ninth), William Ericson, and Jonathan Feiber (collectively, the Fund Entities). The Fund Entities expressly disclaim status as a group for purposes of this Schedule 13G.

⁽²⁾ Shares directly held by MDV. William Ericson and Jonathan Feiber are managing members of Ninth, the general partner of MDV. Each of William Ericson, Jonathan Feiber, and Ninth may be deemed to share voting and dispositive power over the shares held by MDV.

⁽³⁾ This percentage is calculated based on 45,582,944 shares of the Issuer s stock outstanding (as of October 31, 2016), as set forth in the Issuer s most recent 10-Q, filed with the Securities and Exchange Commission on November 8, 2016.

CUSIP No. 773111109

13G

1.	Names of Reporting Persons Ninth MDV Partners, L.L.C.			
2.	Check the Appropriate (a) (b)	Box if a Member o x (1)	of a Group (See Instructions)	
3.	SEC Use Only			
4.	Citizenship or Place of Organization Delaware, United States of America			
Number of	5.		Sole Voting Power 0 Shares	
Shares Beneficially Owned by Each Reporting Person With:	6.		Shared Voting Power 9,295,955 Shares (2)	
	7.		Sole Dispositive Power 0 Shares	
	8.		Shared Dispositive Power 9,295,955 Shares (2)	
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 9,295,955 Shares (2)			
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o			
11.	Percent of Class Represented by Amount in Row 9 20.4% (3)			
12.	Type of Reporting Person (See Instructions) OO			

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CUSIP No. 773111109 13G 1. Names of Reporting Persons William Ericson 2. Check the Appropriate Box if a Member of a Group (See Instructions) (a) 0 (b) x (1) 3. SEC Use Only 4. Citizenship or Place of Organization United States of America 5. Sole Voting Power 41,237 Shares (2) Number of Shares 6. Shared Voting Power Beneficially 9,295,955 Shares (3) Owned by Each 7. Sole Dispositive Power Reporting 41,237 Shares (2) Person With: 8. Shared Dispositive Power 9.295,955 Shares (3) 9. Aggregate Amount Beneficially Owned by Each Reporting Person 9,337,192 Shares (2)(3) 10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o 11. Percent of Class Represented by Amount in Row 9 20.5% (4) 12. Type of Reporting Person (See Instructions) IN

⁽¹⁾ This Schedule 13G is filed by MDV IX, L.P. (MDV), Ninth MDV Partners, L.L.C. (Ninth), William Ericson, and Jonathan Feiber (collectively, the Fund Entities). The Fund Entities expressly disclaim status as a group for purposes of this Schedule 13G.

⁽²⁾ Shares subject to options currently exercisable, owned by William Ericson in his individual capacity.

⁽³⁾ Shares directly held by MDV. William Ericson and Jonathan Feiber are managing members of Ninth, the general partner of MDV. Each of William Ericson, Jonathan Feiber, and Ninth may be deemed to share voting and dispositive power over the shares held by MDV.

⁽⁴⁾ This percentage is calculated based on 45,582,944 shares of the Issuer s stock outstanding (as of October 31, 2016), as set forth in the Issuer s most recent 10-Q, filed with the Securities and Exchange Commission on November 8, 2016.

CUSIP No. 773111109 13G 1. Names of Reporting Persons Jonathan Feiber 2. Check the Appropriate Box if a Member of a Group (See Instructions) (a) 0 (b) x (1) 3. SEC Use Only 4. Citizenship or Place of Organization United States of America 5. Sole Voting Power 0 Shares Number of Shares 6. Shared Voting Power Beneficially 9,295,955 Shares (2) Owned by Each 7. Sole Dispositive Power Reporting 0 Shares Person With: 8. Shared Dispositive Power 9,295,955 Shares (2) 9. Aggregate Amount Beneficially Owned by Each Reporting Person 9,295,955 Shares (2) 10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o 11. Percent of Class Represented by Amount in Row 9 20.4% (3) 12. Type of Reporting Person (See Instructions) IN

⁽¹⁾ This Schedule 13G is filed by MDV IX, L.P. (MDV), Ninth MDV Partners, L.L.C. (Ninth), William Ericson, and Jonathan Feiber (collectively, the Fund Entities). The Fund Entities expressly disclaim status as a group for purposes of this Schedule 13G.

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Introductory Note: This Statement on Schedule 13G is filed on behalf of 1) MDV IX, L.P. (MDV), a limited partnership organized under the laws of the State of Delaware; 2) Ninth MDV Partners, L.L.C. (Ninth), a limited liability company organized under the laws of the State of Delaware and the General Partner of MDV; 3) William Ericson, a director of the Issuer and a managing member of Ninth; and 4) Jonathan Feiber, a managing member of Ninth; in respect of shares of Common Stock of Rocket Fuel Inc.

Item 1(a). Item 1(b).	Name of Issuer: Rocket Fuel Inc. Address of Issuer s Principal Executive Offices: 1900 Seaport Blvd., Redwood City, California 94063
Item 2(a).	Name of Person Filing: MDV IX, L.P.
	Ninth MDV Partners, L.L.C.
	William Ericson
	Jonathan Feiber
Item 2(b).	Address of Principal Business Office or, if none, Residence: 3000 Sand Hill Road, Bldg. 3, Suite 290, Menlo Park, CA 94025
Item 2(c).	Citizenship:
Item 2(d).	All entities were organized in Delaware. The individuals are all United States citizens. Title of Class of Securities:
Item 2(e).	Common Stock CUSIP Number: 773111109
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.

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Item 4. Ownership

Fund Entities	Shares Held Directly	Sole Voting Power	Shared Voting Power	Sole Dispositive Power	Shared Dispositive Power	Beneficial Ownership	Percentage of Class (2)
MDV IX, L.P.	9,295,955	0	9,295,955	0	9,295,955	9,295,955	20.4%
Ninth MDV Partners,							
L.L.C. (1)	0	0	9,295,955	0	9,295,955	9,295,955	20.4%
William Ericson (1)	41,237	41,237	9,295,955	41,237	9,295,955	9,337,192	20.5%
Jonathan Feiber (1)	0	0	9,295,955	0	9,295,955	9,295,955	20.4%

(1) Ninth MDV Partners, L.L.C. serves as the general partner of MDV IX, L.P. and owns no securities of the Issuer directly. William Ericson and Jonathan Feiber serve as managing members of Ninth MDV Partners, L.L.C. William Ericson is a director of the Issuer and directly owns 41,237 shares of the Issuer s common stock subject to options currently exercisable. Jonathan Feiber directly owns no shares of the Issuer s common stock.

(2) This percentage is calculated based on 45,582,944 shares of the Issuer s stock outstanding (as of October 31, 2016), as set forth in the Issuer s most recent 10-Q, filed with the Securities and Exchange Commission on November 8, 2016.

Item 5.

Ownership of 5 Percent or Less of a Class

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

Item 6. Not applicable.	Ownership of More than 5 Percent on Behalf of Another Person
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.	Reported on by the Farent flowing Company of Control Ferson.
Item 8. Not applicable.	Identification and Classification of Members of the Group
Item 9. Not applicable.	Notice of Dissolution of a Group
Item 10. Not applicable.	Certification

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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.

Dated: February 9, 2017

Ninth MDV Partners, L.L.C.,

its General Partner

/s/ Jonathan Feiber

Name: Jonathan Feiber Title: Managing Member

MDV IX, L.P.

NINTH MDV PARTNERS, L.L.C.

By:

By:

By:

/s/ Jonathan Feiber Name: Jonathan Feiber Title: Managing Member

/s/ Jonathan Feiber

Jonathan Feiber

/s/ William Ericson William Ericson

EXHIBITS

A: Joint Filing Agreement

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