MPLX LP Form 4 November 16, 2016

Partner Interests) Common

Units

(Limited

Interests)

Common

Units

Partner

OMB APPROVAL UNITED STATES SECURITIES AND EXCHANGE COMMISSION OMB 3235-0287 Washington, D.C. 20549 Number: Check this box January 31, Expires: if no longer 2005 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to Estimated average **SECURITIES** Section 16. burden hours per Form 4 or response... 0.5 Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction 1(b). (Print or Type Responses) 1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading SEMPLE FRANK M Issuer Symbol MPLX LP [MPLX] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction X__ Director (Month/Day/Year) 10% Owner Other (specify Officer (give title C/O MPLX LP, 200 E. HARDIN 11/14/2016 below) STREET 4. If Amendment, Date Original (Street) 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting FINDLAY, OH 45840 (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities 5. Amount of 7. Nature of TransactionAcquired (A) or Ownership Security (Month/Day/Year) Execution Date, if Securities Indirect (Instr. 3) Code Disposed of (D) Beneficially Form: Direct Beneficial (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5) Owned (D) or Ownership Following Indirect (I) (Instr. 4) Reported (Instr. 4) (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price Common Units (Limited 11/14/2016 A 6.848 \$0 285,004.278 D A

1

Frank M

Semple

Trust

Robin Y

Semple

Revocable

Ι

I

119,312

111,180

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(Limited Partner Interests)			2012 Dynasty Trust
Common Units (Limited Partner Interests)	102,460	I	Frank M Semple Dynasty Trust
Common Units (Limited Partner Interests)	48,777	I	EK Holdings LLC

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474

(9-02)

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	7. Title	e and	8. Price of
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transac	tionNumber	Expiration D	ate	Amour	nt of	Derivative
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underl	ying	Security
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8) Derivativ	re		Securit	ties	(Instr. 5)
	Derivative				Securities	S		(Instr. :	3 and 4)	
	Security				Acquired					
					(A) or					
					Disposed					
					of (D)					
					(Instr. 3,					
					4, and 5)					
									A	
									Amount	
						Date	Expiration		or	
						Exercisable Date	Exercisable Date	Number		
				a 1 1					of	
				Code '	V (A) (D)				Shares	

Reporting Owners

Reporting Owner Name / Address	Relationships				
1 8	Director	10% Owner	Officer	Other	
SEMPLE FRANK M C/O MPLX LP 200 E. HARDIN STREET FINDLAY, OH 45840	X				

Reporting Owners 2

Signatures

/s/ Molly R. Benson, Attorney-in-Fact for Frank M. Semple

11/16/2016

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Remarks:

The Reporting Person is a Director of MPLX GP LLC, the general partner of the Issuer. The Issuer is managed by the director Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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